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REGIONAL LAKE SEDIMENT AND WATER GEOCHEMICAL RECONNAISSANCE DATA, ONTARIO 1977.

GSC-OF 507, NGR 18-1977, NTS 52A, 52H(S/2)

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|                    | PAGE |
|--------------------|------|
| SURVEY NOTES       | 1    |
| DATA LIST          | 6    |
| SUMMARY STATISTICS | 27   |

OPEN FILE 507 IS ONE OF TWO OPEN FILES (506 AND 507) COVERING ONTARIO - THUNDER BAY SURVEY AREA.

THE RECONNAISSANCE SURVEY WAS UNDERTAKEN BY THE GEOLOGICAL SURVEY OF CANADA IN CONJUNCTION WITH THE ONTARIO MINISTRY OF NATURAL RESOURCES UNDER THE TERMS OF THE CADADA-ONTARIO AGREEMENT ON A URANIUM RECONNAISSANCE PROGRAM. FISHERIES AND ENVIRONMENT CANADA PROVIDED FUNDS FOR THE DETERMINATION OF MERCURY.

E.H.W. HORN BROOK DIRECTED GEOLOGICAL SURVEY OF CANADA ACTIVITIES. CONTRACTS LET FOR SAMPLE COLLECTION, PREPARATION AND ANALYSIS WERE SUPERVISED AND/OR MONITORED BY STAFF OF THE GEOCHEMISTRY SECTION AS FOLLOWS:

COLLECTION - MARSHALL MACKLIN MONOGHAN LIMITED, TORONTO.  
- E.H.W. HORN BROOK, W.B. COCKER

PREPARATION - GOLDER ASSOCIATES, OTTAWA.  
- J.J. LYNCH

ANALYTICAL - CHEMEX LABS. LIMITED, VANCOUVER.  
- BARRINGER RESEARCH LIMITED, TORONTO.  
- ATOMIC ENERGY OF CANADA LIMITED, OTTAWA.  
- J.J. LYNCH

AT THE GEOLOGICAL SURVEY OF CANADA, N.G. LUND WAS RESPONSIBLE FOR OPEN FILE PRODUCTION AND DATA MANAGEMENT AND WAS SUPPORTED BY F. WILLIAMS OF THE CARTOGRAPHIC SECTION WHO SUPERVISED MAP PREPARATION. DIRECT PHOTO-HEAD PLOTTING FACILITIES WERE MADE AVAILABLE BY THE MAP PRODUCTION DIRECTORATE, SURVEYS AND MAPPING BRANCH, E.M.R.

PROVINCIAL LIASION WAS WITH R.B. BARLOW, ONTARIO MINISTRY OF NATURAL RESOURCES.

LAKE SEDIMENT AND WATER SAMPLES WERE COLLECTED AT AN AVERAGE DENSITY OF ONE SAMPLE PER 13 SQUARE KILOMETRES (5 SQUARE MILES) THROUGHOUT THE 27700 SQUARE KILOMETRE (10700 SQUARE MILE) TOTAL THUNDER BAY SURVEY AREA. THE HELICOPTER SUPPORTED SAMPLE COLLECTION WAS CARRIED OUT DURING THE SUMMER OF 1977. SAMPLE SITE AND GRID CELL DUPLICATE SAMPLES WERE ROUTINELY COLLECTED IN EACH ANALYTICAL BLOCK OF TWENTY SAMPLES.

IN OTTAWA, FIELD DRIED SAMPLES WERE AIR-DRIED, CRUSHED AND BALL MILLED. THE MINUS 80 MESH (177 MICRONS) FRACTION WAS OBTAINED AND USED FOR SUBSEQUENT

ANALYSES.

AS REQUIRED, AT THIS TIME, CONTROL REFERENCE AND BLIND DUPLICATE SAMPLES WERE INSERTED INTO EACH ANALYTICAL BLOCK OF TWENTY SEDIMENT AND WATER SAMPLES. NO OTHER SAMPLE PROCESSING IN OTTAWA WAS CARRIED OUT ON THE WATER SAMPLES.

THE DETERMINATION OF ZN, CU, PB, NI, CO, AG, MN, FE, MO, HG, AS AND LOSS ON IGNITION IN LAKE SEDIMENTS WAS CARRIED OUT BY CHEMEX LABS LIMITED.

THE DETERMINATION OF U IN LAKE SEDIMENTS WAS CARRIED OUT BY ATOMIC ENERGY OF CANADA LIMITED.

THE DETERMINATION OF U, F AND PH IN LAKE WATERS WAS CARRIED OUT BY BARRINGER RESEARCH LIMITED.

FOR THE DETERMINATION OF ZN, CU, PB, NI, CO, AG, MN AND FE, A 1 GRAM SAMPLE WAS REACTED WITH 6 ML OF A MIXTURE OF 4M HCL AND M HNO<sub>3</sub> IN A TEST-TUBE OVERNIGHT AT ROOM TEMPERATURE.

AFTER THE OVERNIGHT DIGESTION THE TEST-TUBE WAS IMMERSSED IN A HOT WATER BATH AT ROOM TEMPERATURE AND BROUGHT UP TO 90C AND HELD AT THIS TEMPERATURE FOR 2 HOURS WITH PERIODIC SHAKING.

THE SAMPLE SOLUTION WAS THEN DILUTED TO 20 ML WITH METAL FREE WATER AND MIXED. ZN, CU, PB, NI, CO, AG, MN AND FE WERE DETERMINED BY ATOMIC ABSORTION SPECTROSCOPY USING AN AIR-ACETYLENE FLAME. BACKGROUND CORRECTIONS WERE MADE FOR PB, NI, CO AND AG.

ARSENIC WAS DETERMINED COLORIMETRICALLY USING SILVER DIETHYLDITHIOCARBAMATE. DECOMPOSITION WAS ACCOMPLISHED BY HEATING A 1 GRAM SAMPLE WITH 20 ML OF 6M HCL AT 90C FOR 1.5 HOURS. COLORIMETRIC MEASUREMENTS WERE MADE AT 520 NM.

MOLYBDENUM WAS DETERMINED BY ATOMIC ABSORTION SPECTROSCOPY USING A NITROUS OXIDE-ACETYLENE FLAME.

A 0.5 GRAM SAMPLE WAS REACTED WITH 1.5 ML CONCENTRATED HNO<sub>3</sub> AT 90C FOR 30 MINUTES.

AT THIS POINT 0.5 ML CONCENTRATED HCL WAS ADDED AND THE DIGESTION WAS CONTINUED AT 90C FOR AN ADDITIONAL 90 MINUTES.

AFTER COOLING, 8 ML OF 1250 PPM AL SOLUTION WERE ADDED AND THE SAMPLE SOLUTION WAS DILUTED TO 10 ML BEFORE ASPIRATION.

MERCURY WAS DETERMINED BY THE HATCH AND OTT PROCEDURE WITH SOME MODIFICATIONS. THE METHOD IS DESCRIBED BY JONASSON ET AL. (1973).

A 0.5 GRAM SAMPLE WAS REACTED WITH 20 ML CONCENTRATED HNO<sub>3</sub> AND 1 ML CONCENTRATED HCL IN A TEST-TUBE FOR 10 MINUTES AT ROOM TEMPERATURE PRIOR TO 2 HOURS OF DIGESTION WITH MIXING AT 90C IN A HOT WATER BATH.

AFTER DIGESTION, THE SAMPLE SOLUTIONS WERE COOLED AND DILUTED TO 100 ML WITH METAL FREE WATER.

THE HG PRESENT WAS REDUCED TO THE ELEMENTAL STATE BY THE ADDITION OF 10 ML W/V

SNSO4 IN M H2SO4.  
THE HG VAPOUR WAS THEN FLUSHED BY A STREAM OF AIR INTO AN ABSORPTION CELL MOUNTED IN THE LIGHT PATH OF AN ATOMIC ABSORPTION SPECTROPHOTOMETER.  
ABSORPTION MEASUREMENTS WERE MADE AT 253.7-NM.

LOSS ON IGNITION WAS DETERMINED USING A 500 MG SAMPLE.  
THE SAMPLE, WEIGHED INTO 30 ML BEAKER, WAS PLACED IN A COLD MUFFLE FURNACE AND BROUGHT UP TO 500C OVER A PERIOD OF 2-3 HOURS.  
THE SAMPLE WAS LEFT AT THIS TEMPERATURE FOR 4 HOURS, THEN ALLOWED TO COOL TO ROOM TEMPERATURE FOR WEIGHING.

URANIUM WAS DETERMINED USING A NEUTRON ACTIVATION METHOD WITH DELAYED NEUTRON COUNTING.  
A DETAILED DESCRIPTION OF THE METHOD IS PROVIDED BY BOULANGER ET AL. (1975).  
IN BRIEF, A 1 GRAM SAMPLE IS WEIGHED INTO A 7 DRAM POLYETHYLENE VIAL, CAPPED AND SEALED.  
THE IRRADIATION IS PROVIDED BY THE SLOWPOKE REACTOR WITH AN OPERATING FLUX OF  $10^{12}$  NEUTRONS/SQ. CM./SEC.  
THE SAMPLES ARE PNEUMATICALLY TRANSFERRED FROM AN AUTOMATIC LOADER TO THE REACTOR, WHERE EACH SAMPLE IS IRRADIATED FOR 60 SECONDS.  
AFTER IRRADIATION, THE SAMPLE IS AGAIN TRANSFERRED PNEUMATICALLY TO THE COUNTING FACILITY WHERE AFTER A 10 SECOND DELAY THE SAMPLE IS COUNTED FOR 60 SECONDS WITH SIX BF3 DETECTOR TUBES EMBEDDED IN PARRAFIN.  
FOLLOWING COUNTING, THE SAMPLES ARE AUTOMATICALLY EJECTED INTO A SHIELDED STORAGE CONTAINER.  
CALIBRATION IS CARRIED OUT TWICE A DAY AS A MINIMUM USING NATURAL MATERIALS OF KNOWN URANIUM CONCENTRATION.

URANIUM, FLUORIDE AND PH WERE DETERMINED IN LAKE WATER SAMPLES.  
UPON RECEIVING A BATCH OF SAMPLES, FLUORIDE AND PH WERE DETERMINED BY SPECIFIC ION ELECTRODE AND GLASS-CALOMEL COMBINATION ELECTRODE RESPECTIVELY.  
AFTER THESE TWO DETERMINATIONS WERE COMPLETED, THE REMAINING WATER IN THE SAMPLE BOTTLE (APPROX. 225 ML) WAS ACIDIFIED WITH 3 ML CONCENTRATED HNO3.

TWO WEEKS AFTER ACIDIFICATION, A 5 MICROLITRE ALIQUOT OF THE SAMPLE WAS THEN REMOVED FOR THE DETERMINATION OF URANIUM BY FISSION TRACK ANALYSES.  
THE TWO WEEK WAITING PERIOD WAS TO INSURE THAT ALL PRECIPITATED URANIUM WAS REDISOLVED.  
TO DETERMINE URANIUM, SAMPLE ALIQUOTS WERE PLACED ON A POLYCARBONATE TAPE AND DRIED.  
THE TAPE WAS THEN IRRADIATED IN A NUCLEAR REACTOR AT MCMASTER UNIVERSITY FOR 1 HOUR IN A FLUX OF  $10^{13}$  NEUTRONS/SQ. CM./SEC.  
THE TAPE WAS SUBSEQUENTLY ETCHED WITH 25% NAOH SOLUTION AND THE FISSION TRACKS WERE COUNTED WITH AN OPTICAL COUNTER FITTED TO A MICROSCOPE.  
THE NUMBER OF TRACKS WAS PROPORTIONAL TO THE URANIUM CONCENTRATION.  
EACH TAPE CONTAINED ITS OWN CALIBRATION STANDARDS, BLANKS AND SAMPLE DUPLICATES.

FLUORIDE IN LAKE WATER SAMPLES WAS DETERMINED USING AN ORION FLUORIDE ELECTRODE AND A MODEL 401 ORION SPECIFIC ION METER.



PRIOR TO MEASUREMENT AN ALIQUOT OF THE SAMPLE WAS MIXED WITH AN EQUAL VOLUME OF A MODIFIED TISAB SOLUTION (TOTAL IONIC STRENGTH ADJUSTMENT BUFFER). THE MODIFICATION CONSISTED OF ADDING 60 ML 8M KOH SOLUTION TO THE BUFFER. THIS PERMITTED THE RE-ANALYSIS OF FLUORIDE IN ACIDIFIED WATER SAMPLES WHEN REQUIRED. WHEN THIS ANALYSIS WAS REQUIRED, ACIDIFIED STANDARD SOLUTIONS WERE USED FOR CALIBRATION.

HYDROGEN ION ACTIVITY (PH) WAS MEASURED WITH A BECKMAN COMBINATION ELECTRODE AND A MODEL 401 ORION SPECIFIC ION METER.

ON RECEIPT, FIELD AND ANALYTICAL DATA WERE PUNCHED ONTO 80 COLUMN CARDS AND ALL SUBSEQUENT PROCESSING WAS CARRIED OUT WITH THE AID OF COMPUTERS. THE FIELD DATA WERE RECORDED BY THE FIELD CONTRACT STAFF ONTO STANDARD LAKE SEDIMENT FIELD CARDS (REV. 74) USED BY THE GEOLOGICAL SURVEY OF CANADA (GARRETT, 1974). THE SAMPLE SITE POSITIONS WERE MARKED ON APPROPRIATE 1/250,000 SCALE NTS MAPS IN THE FIELD. THESE MAPS WERE DIGITIZED AT THE GEOLOGICAL SURVEY IN OTTAWA TO OBTAIN THE SAMPLE SITE UTM COORDINATES. THE DOMINANT ROCK TYPES IN THE LAKE CATCHMENT BASINS WERE IDENTIFIED ON APPROPRIATE GEOLOGICAL MAPS USED AS THE BEDROCK GEOLOGICAL BASE ON NGR MAPS.

THE ANALYTICAL DATA WERE RECORDED AS FOLLOWS (SEE GARRETT, 1974, FOR DETAILS) AND FOR CONVENIENCE THE DETECTION LIMITS OF THE ANALYTICAL METHODS USED ARE ALSO GIVEN-

| ELEMENT  | ANAL. CARD | COLUMNS | DETECTION LIMIT |       |
|----------|------------|---------|-----------------|-------|
| SEDIMENT |            |         |                 |       |
| ZN       | 1          | 21-25   | 2               | 1     |
| CU       | 1          | 26-30   | 2               | 1     |
| PB       | 1          | 31-35   | 2               | 1     |
| NI       | 1          | 36-40   | 2               | 1     |
| CO       | 1          | 41-45   | 2               | 1     |
| AG       | 1          | 46-50   | 0.2             | 0.1   |
| MN       | 1          | 51-55   | 5               | 2     |
| AS       | 1          | 56-60   | 1               | 0.5   |
| MO       | 1          | 61-65   | 2               | 1     |
| FE %     | 1          | 66-70   | 0.02            | 0.01  |
| HG PPB   | 1          | 71-75   | 10              | 5     |
| LOI %    | 1          | 76-79   | 1.0             | 0.5   |
| U        | 2          | 21-25   | 0.2             | 0.1   |
| WATER    |            |         |                 |       |
| U PPB    | 3          | 21-25   | 0.01            | 0.005 |
| F PPB    | 3          | 26-30   | 20              | 10    |

UNLESS OTHERWISE NOTED THE UNITS OF MEASUREMENT FOR THE ANALYSES ARE PPM. THE SECOND FIGURE UNDER DETECTION LIMIT IS THE FIGURE TO WHICH VALUES WERE ARBITRARILY SET IF THEY FELL BELOW THE DETECTION LIMIT.

GENERAL INSPECTIONS OF THE FIELD AND ANALYTICAL DATA WERE MADE TO CHECK FOR ANY MISSING INFORMATION AND/OR GROSS ERRORS:  
THE SAMPLE SITE COORDINATES WERE CHECKED BY PLOTTING SAMPLING LOCATION MAPS ON A FLAT-BED PLOTTER FROM THE DIGITIZED COORDINATES AND THEN OVERLAYING THESE OVER THE FIELD CONTRACTOR'S SAMPLE LOCATION BASE MAPS.

QUALITY CONTROL AND MONITORING OF THE GEOLOGICAL DATA WAS UNDERTAKEN BY A STANDARD METHOD USED BY THE GEOCHEMISTRY SECTION AT THE GEOLOGICAL SURVEY OF CANADA.

#### REFERENCES

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## DATA LIST LEGEND

|                  |   |             |                                |
|------------------|---|-------------|--------------------------------|
| MAP-             | NATIONAL TOPOGRAPHIC SYSTEM(NTS)- LETTERED QUADRANGLE (SCALE 1:250000). PART OF SAMPLE NUMBER | ROCK TYPE:  | DIBS- DIABASE                  |
| SAMPLE-          | REMAINDER OF SAMPLE NUMBER- YEAR(2), FIELD CREW(1), SAMPLE SEQUENCE NUMBER(3)                 |             | SMRK- SEDIMENTARY ROCK         |
|                  |   |             | ARGL- ARGILLITE                |
|                  |   |             | CHRT- CHERT                    |
|                  |   |             | GRNT- GRANITE                  |
|                  |   |             | GRNG- GRANITE GNEISS           |
|                  |   |             | UMFC- ULTRAMAFIC               |
| UTM COORDINATES- | UNIVERSAL TRANVERSE MERCATOR(UTM) COORDINATE SYSTEM- SAMPLE COORDINATES                       |             | CGLM- CONGLOMERATE             |
|                  |   |             | GRCK- GRAYWACKE                |
| ZN-              | ZONE  |             | BEXV- BASIC EXTRUSIVE          |
| EAST-            | EASTING(METERS)   |             | MVCC- META VOLCANIC            |
| NORTH-           | NORTHING(METERS)  |             | UKNN- UNKNOWN                  |
|                  |   |             |                                |
| ROCK TYPE-       | MAJOR ROCK TYPE OF LAKE CATCHMENT AREA  | LAKE AREA:  | POND- POND                     |
|                  |   |             | LT 1- 1/4 TO 1 SQ KM           |
|                  |   |             | 1-5- 1 TO 5 SQ KM              |
|                  |   |             | GT 5- GREATER THAN 5 SQ KM     |
| LAKE AREA-       | AREA OF LAKE SAMPLED  |             |                                |
| SMP DTH-         | SAMPLE DEPTH MEASURED TO THE NEAREST FOOT   |             |                                |
|                  |   |             |                                |
| RP ST-           | REPLICATE STATUS- RELATIONSHIP OF SAMPLE WITH RESPECT TO OTHERS WITHIN THE SURVEY             | RP ST:      | 00- ROUTINE REGIONAL SAMPLE    |
|                  |   |             | 10- FIRST OF FIELD DUPLICATE   |
|                  |   |             | 20- SECOND OF FIELD DUPLICATE  |
|                  |   |             | 70- CELL DUPLICATE SITE SAMPLE |
|                  |   |             |                                |
| REL-             | RELIEF OF THE SURROUNDING LAKE CATCHMENT BASIN  | REL:        | L- LOW                         |
| GEL-             | PRESENCE OF AN ORGANIC GEL OR GYTTJA  |             | M- MEDIUM                      |
| CONT-            | CONTAMINATION- HUMAN OR NATURAL(WORK-DRILL/TRENCH, CAMP,FUEL OR GOSSAN)                       |             | H- HIGH                        |
| SAMP COLOR-      | SEDIMENT COLOUR   |             |                                |
| SUSP-            | SUSPENDED MATTER  |             |                                |
|                  |   |             |                                |
|                  |   | GEL:        | BLANK- ABSENT                  |
| ZN-              | ZINC BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)   |             |                                |
| CU-              | COPPER BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)   |             |                                |
| PB-              | LEAD BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)   | CONT:       | BLANK- NONE                    |
| NI-              | NICKEL BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)   |             | 1- PRESENT                     |
| CO-              | COBALT BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)   |             |                                |
| AG-              | SILVER BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)   |             |                                |
| MN-              | MANGANESE BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)  | SAMP COLOR: | TN- TAN                        |
| AS-              | ARSENIC COLORIMETRICALLY(PPM)   |             | YL- YELLOW                     |
| MO-              | MOLYBDENUM BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)   |             | GN- GREEN                      |
| FE-              | IRON BY ATOMIC ABSORPTION SPECTROSCOPY(%)   |             | GY- GREY                       |
| HG-              | MERCURY BY FLAMELESS SPECTROSCOPY(PPB)  |             | BR- BROWN                      |
| LOI-             | LOSS ON IGNITION BY WEIGHT DIFFERENCE(%)  |             | BK- BLACK                      |
| U-               | URANIUM BY DELAYED NEUTRON ACTIVATION(PPM)  |             |                                |
| U-W-             | URANIUM IN WATERS BY FISSION TRACK(PPB)   |             |                                |
| F-W-             | FLUORINE IN WATERS BY SPECIFIC ION ELECTRODE(PPB)   | SUSP:       | BLANK- NONE                    |
| PH-              | PH BY COMBINATION GLASS - CALOMEL ELECTRODE   |             | L- LIGHT                       |
|                  |   |             | H- HEAVY                       |

## REGIONAL LAKE SEDIMENT AND WATER GEOCHEMICAL RECONNAISSANCE DATA, ONTARIO 1977.

GSC-OF 507, NGR 18-1977, NTS 52A, 52H(S/2)

| MAP | SAMPLE | UTM COORDINATES |        |         | ROCK TYPE | LAKE AREA | SMP DTH | RP ST | R<br>E<br>L<br>F | C<br>E<br>N<br>T | S<br>A<br>M<br>P<br>L<br>E | S<br>U<br>P<br>P<br>O<br>R<br>T | ZN  | CU | PB  | NI | CO  | AG   | MN   | AS | MO    | FE  | HG   | LOI | U     | U-W | F-W | PH |
|-----|--------|-----------------|--------|---------|-----------|-----------|---------|-------|------------------|------------------|----------------------------|---------------------------------|-----|----|-----|----|-----|------|------|----|-------|-----|------|-----|-------|-----|-----|----|
|     |        | ZN              | EAST   | NORTH   |           |           |         |       |                  |                  |                            |                                 |     |    |     |    |     |      |      |    |       |     |      |     |       |     |     |    |
| 52A | 771002 | 16              | 331162 | 5354559 | ARGL      | LT 1      | 46      | 00    | H                |                  | BR                         | 164                             | 130 | 12 | 30  | 14 | 0.6 | 280  | 1.0  | 4  | 1.60  | 460 | 35.6 | 2.5 | 0.100 | 40  | 6.7 |    |
| 52A | 771004 | 16              | 332429 | 5351159 | DIBS      | 1-5       | 29      | 00    | H                | 1                | BR                         | 134                             | 166 | 2  | 33  | 14 | 0.1 | 285  | 1.0  | 3  | 2.75  | 280 | 30.2 | 2.1 | 0.005 | 40  | 6.9 |    |
| 52A | 771005 | 16              | 329522 | 5346380 | DIBS      | 1-5       | 10      | 00    | M                |                  | BR L                       | 106                             | 100 | 7  | 23  | 6  | 0.1 | 90   | 0.5  | 2  | 0.50  | 300 | 46.8 | 1.4 | 0.005 | 38  | 6.0 |    |
| 52A | 771006 | 16              | 326438 | 5346359 | DIBS      | GT 5      | 82      | 00    | H                |                  | GN                         | 194                             | 100 | 10 | 36  | 19 | 0.1 | 700  | 3.0  | 3  | 3.60  | 170 | 19.2 | 3.9 | 0.005 | 46  | 7.1 |    |
| 52A | 771007 | 16              | 327237 | 5351384 | ARGL      | 1-5       | 3       | 00    | H                |                  | BR                         | 116                             | 108 | 10 | 28  | 10 | 0.1 | 115  | 0.5  | 4  | 1.30  | 280 | 55.6 | 2.3 | 0.005 | 44  | 6.7 |    |
| 52A | 771008 | 16              | 321185 | 5334547 | DIBS      | 1-5       | 24      | 00    | M                |                  | BR                         | 146                             | 60  | 6  | 26  | 9  | 0.2 | 295  | 0.5  | 3  | 1.90  | 150 | 51.8 | 2.7 | 0.100 | 42  | 6.9 |    |
| 52A | 771009 | 16              | 322730 | 5330622 | ARGL      | 1-5       | 9       | 00    | M                |                  | BR                         | 110                             | 68  | 4  | 28  | 9  | 0.1 | 160  | 0.5  | 1  | 0.90  | 130 | 57.6 | 1.8 | 0.005 | 88  | 6.6 |    |
| 52A | 771010 | 16              | 318839 | 5328475 | ARGL      | GT 5      | 22      | 00    | M                | 1                | GY                         | 106                             | 42  | 9  | 26  | 12 | 0.1 | 195  | 1.5  | 1  | 1.80  | 120 | 10.2 | 2.6 | 0.020 | 52  | 7.7 |    |
| 52A | 771011 | 16              | 316181 | 5324711 | ARGL      | GT 5      | 116     | 00    | H                |                  | TN                         | 100                             | 46  | 9  | 36  | 16 | 0.1 | 1500 | 3.0  | 1  | 3.30  | 50  | 6.4  | 2.8 | 0.010 | 56  | 7.7 |    |
| 52A | 771012 | 16              | 306011 | 5323746 | ARGL      | 1-5       | 31      | 70    | H                |                  | BR                         | 104                             | 78  | 7  | 48  | 19 | 0.1 | 525  | 1.0  | 2  | 3.65  | 90  | 24.0 | 3.2 | 0.005 | 86  | 7.3 |    |
| 52A | 771013 | 16              | 305265 | 5325161 | ARGL      | 1-5       | 21      | 10    | H                |                  | BR                         | 110                             | 92  | 8  | 49  | 18 | 0.1 | 380  | 1.0  | 3  | 3.60  | 110 | 27.2 | 2.9 | 0.005 | 72  | 7.1 |    |
| 52A | 771014 | 16              | 305265 | 5325161 | ARGL      | 1-5       | 21      | 20    | H                |                  | BR                         | 118                             | 100 | 8  | 52  | 20 | 0.1 | 410  | 1.0  | 3  | 3.80  | 90  | 27.2 | 2.7 | 0.005 | 82  | 7.3 |    |
| 52A | 771015 | 16              | 308572 | 5325855 | DIBS      | LT 1      | 8       | 00    | H                |                  | BK                         | 116                             | 80  | 9  | 52  | 13 | 0.1 | 140  | 0.5  | 4  | 1.20  | 80  | 44.6 | 1.8 | 0.005 | 74  | 6.7 |    |
| 52A | 771016 | 16              | 325149 | 5348201 | DIBS      | 1-5       | 34      | 00    | H                |                  | BR L                       | 120                             | 72  | 6  | 25  | 11 | 0.6 | 260  | 0.5  | 2  | 2.10  | 310 | 37.4 | 2.4 | 0.110 | 44  | 6.8 |    |
| 52A | 771017 | 16              | 320727 | 5346635 | DIBS      | LT 1      | 27      | 00    | H                |                  | BR                         | 126                             | 96  | 7  | 25  | 8  | 0.1 | 200  | 0.5  | 2  | 1.95  | 300 | 41.0 | 1.9 | 0.005 | 48  | 6.8 |    |
| 52A | 771018 | 16              | 316430 | 5341890 | ARGL      | POND      | 16      | 00    | L                | 1                | BR                         | 255                             | 96  | 16 | 51  | 15 | 0.6 | 170  | 2.0  | 3  | 3.10  | 400 | 21.6 | 4.0 | 0.005 | 54  | 6.7 |    |
| 52A | 771019 | 16              | 313616 | 5340803 | DIBS      | POND      | 3       | 00    | L                |                  | BR                         | 148                             | 46  | 12 | 25  | 7  | 0.2 | 170  | 1.0  | 2  | 1.55  | 260 | 41.2 | 4.9 | 0.100 | 60  | 6.3 |    |
| 52A | 771020 | 16              | 311778 | 5335220 | ARGL      | GT 5      | 26      | 00    | H                | 1                | BR                         | 132                             | 80  | 11 | 40  | 16 | 0.1 | 435  | 1.0  | 2  | 3.40  | 200 | 19.0 | 2.9 | 0.005 | 60  | 7.0 |    |
| 52A | 771022 | 16              | 310916 | 5333332 | DIBS      | GT 5      | 34      | 00    | H                | 1                | BR                         | 148                             | 88  | 11 | 48  | 20 | 0.2 | 550  | 1.0  | 1  | 3.80  | 180 | 18.0 | 1.2 | 0.010 | 64  | 6.9 |    |
| 52A | 771023 | 16              | 305591 | 5355801 | DIBS      | LT 1      | 26      | 00    | H                |                  | BR GN                      | 270                             | 96  | 9  | 34  | 7  | 1.0 | 200  | 1.0  | 5  | 1.15  | 350 | 53.4 | 0.2 | 0.005 | 64  | 6.3 |    |
| 52A | 771024 | 16              | 307227 | 5352088 | DIBS      | POND      | 23      | 00    | H                |                  | BR GN                      | 365                             | 152 | 12 | 56  | 15 | 2.0 | 315  | 3.0  | 10 | 3.40  | 710 | 49.2 | 3.9 | 0.005 | 46  | 6.4 |    |
| 52A | 771025 | 16              | 306862 | 5348903 | DIBS      | GT 5      | 90      | 00    | H                | 1                | BR                         | 360                             | 168 | 15 | 85  | 19 | 0.6 | 650  | 12.5 | 3  | 4.50  | 220 | 21.0 | 7.6 | 0.005 | 52  | 7.3 |    |
| 52A | 771027 | 16              | 309872 | 5349646 | DIBS      | LT 1      | 19      | 70    | H                | 1                | BR GN                      | 265                             | 106 | 9  | 51  | 13 | 0.6 | 150  | 3.0  | 6  | 2.90  | 400 | 44.0 | 4.2 | 0.005 | 58  | 7.1 |    |
| 52A | 771028 | 16              | 309018 | 5350569 | DIBS      | 1-5       | 60      | 10    | H                | 1                | BR                         | 355                             | 122 | 16 | 52  | 19 | 1.2 | 520  | 3.0  | 3  | 3.20  | 700 | 34.2 | 4.6 | 0.110 | 50  | 6.9 |    |
| 52A | 771029 | 16              | 309018 | 5350569 | DIBS      | 1-5       | 60      | 20    | H                | 1                | BR                         | 330                             | 118 | 17 | 48  | 21 | 1.4 | 620  | 5.0  | 7  | 3.50  | 700 | 33.6 | 4.6 | 0.010 | 64  | 6.9 |    |
| 52A | 771030 | 16              | 311731 | 5348576 | DIBS      | LT 1      | 20      | 00    | H                |                  | BR                         | 285                             | 102 | 12 | 44  | 9  | 1.2 | 185  | 3.0  | 2  | 2.15  | 700 | 36.2 | 5.6 | 0.005 | 44  | 6.6 |    |
| 52A | 771031 | 16              | 309633 | 5348065 | DIBS      | LT 1      | 21      | 00    | H                |                  | BR                         | 315                             | 116 | 11 | 44  | 9  | 0.8 | 230  | 2.5  | 1  | 1.80  | 500 | 54.4 | 3.2 | 0.005 | 42  | 6.7 |    |
| 52A | 771032 | 16              | 312406 | 5342064 | ARGL      | LT 1      | 56      | 00    | H                | 1                | BR GN                      | 235                             | 156 | 10 | 49  | 15 | 0.1 | 600  | 2.5  | 2  | 4.10  | 300 | 40.8 | 3.9 | 0.005 | 60  | 7.1 |    |
| 52A | 771033 | 16              | 308548 | 5338148 | ARGL      | POND      | 2       | 00    | L                |                  | BK L                       | 114                             | 48  | 10 | 41  | 10 | 0.1 | 590  | 0.5  | 6  | 1.20  | 180 | 47.6 | 1.8 | 0.005 | 44  | 6.4 |    |
| 52A | 771034 | 16              | 303808 | 5339354 | ARGL      | POND      | 3       | 00    | H                | 1                | BK                         | 104                             | 66  | 4  | 34  | 8  | 0.1 | 70   | 0.5  | 1  | 0.60  | 160 | 49.8 | 2.0 | 0.005 | 46  | 6.4 |    |
| 52A | 771035 | 16              | 306446 | 5335278 | ARGL      | LT 1      | 4       | 00    | H                |                  | BR                         | 106                             | 42  | 3  | 30  | 4  | 0.1 | 70   | 0.5  | 1  | 0.40  | 110 | 64.0 | 0.9 | 0.005 | 80  | 6.7 |    |
| 52A | 771036 | 16              | 298358 | 5331124 | DIBS      | LT 1      | 90      | 00    | H                |                  | BK L                       | 230                             | 162 | 5  | 30  | 18 | 0.7 | 750  | 5.0  | 3  | 7.85  | 190 | 50.4 | 1.8 | 0.005 | 46  | 6.8 |    |
| 52A | 771037 | 16              | 298737 | 5329100 | ARGL      | LT 1      | 12      | 00    | H                |                  | BR GN                      | 116                             | 96  | 6  | 30  | 10 | 0.1 | 140  | 0.5  | 2  | 1.45  | 200 | 34.6 | 1.6 | 0.005 | 70  | 6.8 |    |
| 52A | 771038 | 16              | 287095 | 5324637 | DIBS      | POND      | 6       | 00    | H                |                  | BR                         | 124                             | 176 | 8  | 30  | 14 | 0.1 | 145  | 1.0  | 1  | 1.20  | 180 | 41.6 | 1.1 | 0.005 | 62  | 6.4 |    |
| 52A | 771039 | 16              | 282725 | 5325066 | DIBS      | LT 1      | 8       | 00    | H                |                  | BR                         | 100                             | 52  | 11 | 23  | 5  | 0.1 | 105  | 1.0  | 4  | 0.95  | 110 | 48.0 | 1.1 | 0.005 | 74  | 6.8 |    |
| 52A | 771040 | 16              | 280720 | 5327458 | DIBS      | 1-5       | 22      | 00    | H                |                  | BR                         | 194                             | 100 | 8  | 42  | 13 | 0.1 | 305  | 3.5  | 1  | 2.35  | 90  | 46.6 | 2.7 | 0.005 | 52  | 6.5 |    |
| 52A | 771043 | 16              | 279939 | 5325688 | DIBS      | POND      | 8       | 00    | H                |                  | BR                         | 92                              | 68  | 9  | 22  | 5  | 0.1 | 400  | 0.5  | 2  | 1.00  | 140 | 52.0 | 1.9 | 0.005 | 84  | 6.8 |    |
| 52A | 771044 | 16              | 277406 | 5326256 | ARGL      | GT 5      | 18      | 00    | H                |                  | BK GN                      | 168                             | 90  | 11 | 46  | 14 | 0.1 | 370  | 1.5  | 7  | 3.75  | 170 | 28.4 | 2.8 | 0.005 | 74  | 7.1 |    |
| 52A | 771045 | 16              | 276586 | 5329855 | DIBS      | 1-5       | 16      | 00    | H                | 1                | BK                         | 108                             | 62  | 12 | 26  | 8  | 0.1 | 240  | 1.5  | 2  | 2.25  | 110 | 12.8 | 2.0 | 0.010 | 32  | 6.8 |    |
| 52A | 771046 | 16              | 277132 | 5330330 | ARGL      | LT 1      | 8       | 70    | H                | 1                | BR                         | 26                              | 120 | 4  | 18  | 2  | 0.1 | 90   | 0.5  | 1  | 0.35  | 110 | 66.0 | 2.3 | 0.010 | 74  | 6.8 |    |
| 52A | 771047 | 16              | 277024 | 5331472 | DIBS      | 1-5       | 70      | 10    | H                |                  | BK                         | 370                             | 230 | 15 | 168 | 26 | 0.1 | 785  | 5.5  | 1  | 3.30  | 150 | 17.8 | 5.2 | 0.005 | 46  | 7.0 |    |
| 52A | 771048 | 16              | 277024 | 5331472 | DIBS      | 1-5       | 65      | 20    | H                |                  | BK                         | 320                             | 210 | 14 | 142 | 24 | 0.3 | 605  | 4.5  | 2  | 3.40  | 140 | 16.4 | 5.4 | 0.005 | 38  | 7.0 |    |
| 52A | 771049 | 16              | 293661 | 5333454 | DIBS      | 1-5       | 10      | 00    | H                | 1                | BK                         | 138                             | 134 | 6  | 42  | 11 | 0.1 | 160  | 1.5  | 8  | 1.55  | 160 | 52.6 | 2.4 | 0.005 | 52  | 6.7 |    |
| 52A | 771050 | 16              | 293185 | 5335094 | DIBS      | 1-5       | 92      | 00    | H                | 1                | BK                         | 240                             | 210 | 9  | 67  | 15 | 0.2 | 720  | 6.0  | 2  | 5.00  | 100 | 25.6 | 4.7 | 0.005 | 34  | 7.0 |    |
| 52A | 771051 | 16              | 292193 | 5335901 | DIBS      | 1-5       | 42      | 00    | H                | 1                | BK                         | 210                             | 88  | 16 | 55  | 18 | 0.1 | 400  | 6.5  | 1  | 3.95  | 210 | 4.0  | 4.7 | 0.005 | 26  | 7.0 |    |
| 52A | 771052 | 16              | 288411 | 5337058 | DIBS      | LT 1      | 36      | 00    | H                |                  | BK                         | 168                             | 196 | 4  | 44  | 22 | 0.4 | 420  | 4.5  | 2  | 11.75 | 200 | 51.6 | 2.5 | 0.005 | 38  | 6.8 |    |
| 52A | 771053 | 16              | 280181 | 5336146 | DIBS      | LT 1      | 32      | 00    | H                |                  | BK                         | 240                             | 495 | 3  | 35  | 32 | 0.3 | 1250 | 2.0  | 2  | 9.40  | 240 | 47.2 | 1.9 | 0.005 | 56  | 6.7 |    |
| 52A | 771054 | 16              | 280853 | 5337736 | DIBS      | LT 1      | 42      | 00    | H                |                  | BK                         | 220                             | 340 | 7  | 54  | 11 | 0.6 | 325  | 2.5  | 11 | 4.65  | 330 | 46.0 | 4.4 | 0.005 | 28  | 6.8 |    |
| 52A | 771055 | 16              | 285858 | 5340736 | DIBS      | LT 1      | 27      | 00    | M                | 1                | BR                         | 186                             | 92  | 6  | 34  | 10 | 0.2 | 300  | 1.0  | 1  | 2.50  | 180 | 61.0 | 2.1 | 0.005 | 50  | 6.3 |    |
| 52A | 771056 | 16              | 290325 | 5341830 | ARGL      | LT 1      | 6       | 00    | H                |                  | BR L                       | 106                             | 32  | 7  | 25  | 7  | 0.1 | 125  | 0.5  | 1  | 0.40  | 150 | 53.6 | 1.0 | 0.010 | 72  | 6.4 |    |

| MAP | SAMPLE | UTM COORDINATES |        |         | ROCK TYPE | LAKE AREA | SMP DTH | RP ST | R<br>E<br>L<br>F | C<br>E<br>N<br>T | S<br>A<br>M<br>P<br>L<br>E | S<br>U<br>P<br>P<br>L<br>Y | ZN  | CU  | PB | NI  | CO  | AG  | MN   | AS  | MO    | FE   | HG   | LOI  | U     | U-W   | F-W | PH  |
|-----|--------|-----------------|--------|---------|-----------|-----------|---------|-------|------------------|------------------|----------------------------|----------------------------|-----|-----|----|-----|-----|-----|------|-----|-------|------|------|------|-------|-------|-----|-----|
|     |        | ZN              | EAST   | NORTH   |           |           |         |       |                  |                  |                            |                            |     |     |    |     |     |     |      |     |       |      |      |      |       |       |     |     |
| 52A | 771057 | 16              | 295113 | 5343802 | DIBS      | LT 1      | 7 00    | H     | 1                | BR               | GN                         | L                          | 162 | 82  | 10 | 45  | 7   | 0.3 | 135  | 5.0 | 1     | 0.80 | 210  | 49.8 | 2.6   | 0.010 | 30  | 6.5 |
| 52A | 771058 | 16              | 286763 | 5341929 | ARGL      | 1-5       | 6 00    | H     | 1                | BR               | L                          | 112                        | 36  | 8   | 34 | 9   | 0.1 | 180 | 0.5  | 2   | 0.85  | 140  | 54.2 | 1.3  | 0.010 | 42    | 6.3 |     |
| 52A | 771059 | 16              | 282163 | 5343301 | DIBS      | 1-5       | 45 00   | H     | 1                | BR               |                            | 265                        | 98  | 13  | 59 | 9   | 0.5 | 315 | 3.0  | 2   | 3.75  | 210  | 31.0 | 4.7  | 0.010 | 84    | 7.1 |     |
| 52A | 771060 | 16              | 281257 | 5342235 | DIBS      | 1-5       | 48 00   | H     | 1                | BR               |                            | 250                        | 88  | 13  | 58 | 9   | 0.4 | 320 | 6.0  | 3   | 3.55  | 210  | 30.4 | 5.4  | 0.005 | 58    | 7.0 |     |
| 52A | 771062 | 16              | 277920 | 5341110 | ARGL      | POND      | 4 00    | H     |                  | BR               | GN                         | L                          | 144 | 84  | 4  | 39  | 4   | 0.2 | 35   | 0.5 | 1     | 0.20 | 170  | 40.8 | 1.3   | 0.005 | 70  | 6.4 |
| 52A | 771063 | 16              | 277637 | 5343646 | ARGL      | GT 5      | 8 00    | H     | 1                | GY               |                            | 136                        | 62  | 20  | 42 | 16  | 0.1 | 375 | 1.0  | 2   | 4.00  | 120  | 32.6 | 2.5  | 0.005 | 110   | 7.3 |     |
| 52A | 771064 | 16              | 277808 | 5345598 | DIBS      | GT 5      | 10 00   | H     |                  | GY               | L                          | 132                        | 66  | 11  | 44 | 16  | 0.1 | 395 | 1.0  | 2   | 4.00  | 110  | 30.6 | 2.6  | 0.005 | 140   | 7.5 |     |
| 52A | 771065 | 16              | 280854 | 5345926 | DIBS      | GT 5      | 10 00   | H     | 1                | GY               |                            | 120                        | 60  | 9   | 46 | 19  | 0.1 | 450 | 3.0  | 2   | 4.40  | 90   | 25.4 | 2.6  | 0.005 | 150   | 7.4 |     |
| 52A | 771066 | 16              | 285574 | 5345205 | ARGL      | POND      | 36 00   | M     | 1                | TN               |                            | 118                        | 56  | 5   | 37 | 14  | 0.1 | 615 | 8.5  | 3   | 5.20  | 100  | 25.2 | 6.3  | 0.330 | 760   | 8.0 |     |
| 52A | 771067 | 16              | 286323 | 5345488 | ARGL      | POND      | 48 70   | M     | 1                | BK               |                            | 154                        | 56  | 7   | 35 | 15  | 0.1 | 340 | 3.5  | 2   | 3.70  | 110  | 25.8 | 3.9  | 0.020 | 450   | 7.3 |     |
| 52A | 771068 | 16              | 286547 | 5347005 | DIBS      | LT 1      | 70 10   | H     | 1                | BK               |                            | 495                        | 152 | 11  | 72 | 13  | 0.7 | 385 | 6.5  | 2   | 7.70  | 180  | 34.4 | 3.4  | 0.005 | 84    | 7.0 |     |
| 52A | 771069 | 16              | 286547 | 5347005 | DIBS      | LT 1      | 70 20   | H     | 1                | BK               |                            | 325                        | 172 | 11  | 57 | 9   | 1.2 | 345 | 4.0  | 3   | 3.40  | 220  | 35.4 | 2.6  | 0.005 | 72    | 7.0 |     |
| 52A | 771070 | 16              | 278370 | 5353004 | GRNG      | POND      | 4 00    | M     |                  | BR               |                            | 24                         | 16  | 7   | 10 | 1   | 0.1 | 130 | 1.0  | 3   | 0.55  | 120  | 59.0 | 3.6  | 0.005 | 68    | 6.4 |     |
| 52A | 771071 | 16              | 280200 | 5353322 | GRNG      | POND      | 3 00    | M     |                  | BR               | GN                         |                            | 60  | 12  | 4  | 13  | 4   | 0.1 | 230  | 0.5 | 7     | 1.00 | 170  | 27.4 | 2.2   | 0.010 | 62  | 6.5 |
| 52A | 771072 | 16              | 279962 | 5357337 | GRNG      | POND      | 29 00   | M     |                  | BR               | GN                         | L                          | 72  | 34  | 4  | 17  | 8   | 0.2 | 230  | 4.5 | 2     | 1.40 | 160  | 34.6 | 1.7   | 0.005 | 44  | 6.2 |
| 52A | 771073 | 16              | 285466 | 5356166 | GRNG      | LT 1      | 45 00   | H     |                  | BR               | GN                         |                            | 102 | 54  | 4  | 28  | 9   | 0.2 | 575  | 0.5 | 3     | 1.50 | 100  | 50.4 | 2.7   | 0.010 | 96  | 7.1 |
| 52A | 771074 | 16              | 285938 | 5358151 | GRNG      | 1-5       | 51 00   | H     |                  | BR               | GN                         |                            | 120 | 82  | 6  | 35  | 7   | 0.1 | 705  | 1.0 | 12    | 3.10 | 100  | 50.4 | 2.3   | 0.005 | 46  | 6.9 |
| 52A | 771075 | 16              | 284855 | 5358434 | GRNG      | LT 1      | 9 00    | H     |                  | GN               |                            | 58                         | 30  | 5   | 12 | 5   | 0.1 | 75  | 1.0  | 7   | 0.50  | 80   | 39.0 | 2.5  | 0.005 | 34    | 6.6 |     |
| 52A | 771076 | 16              | 283119 | 5359887 | GRNG      | LT 1      | 18 00   | H     |                  | BK               |                            | 124                        | 112 | 2   | 33 | 13  | 0.1 | 870 | 3.0  | 6   | 13.00 | 140  | 59.0 | 3.8  | 0.005 | 60    | 7.0 |     |
| 52A | 771078 | 16              | 279297 | 5360339 | GRNG      | 1-5       | 26 00   | H     |                  | BR               | GN                         |                            | 96  | 52  | 3  | 34  | 11  | 0.1 | 215  | 0.5 | 6     | 1.50 | 120  | 52.8 | 2.2   | 0.005 | 26  | 6.7 |
| 52A | 771079 | 16              | 282159 | 5363810 | MVCC      | LT 1      | 7 00    | L     |                  | BR               | L                          | 24                         | 18  | 6   | 10 | 2   | 0.1 | 135 | 0.5  | 5   | 0.30  | 130  | 73.4 | 3.1  | 0.005 | 80    | 6.8 |     |
| 52A | 771080 | 16              | 285762 | 5363926 | MVCC      | LT 1      | 7 00    | M     |                  | BR               |                            | 66                         | 30  | 3   | 23 | 5   | 0.1 | 115 | 0.5  | 4   | 0.50  | 110  | 54.8 | 1.2  | 0.005 | 56    | 6.8 |     |
| 52A | 771082 | 16              | 286355 | 5364297 | MVCC      | LT 1      | 10 00   | M     |                  | BR               | GN                         |                            | 90  | 120 | 3  | 48  | 3   | 0.1 | 85   | 0.5 | 12    | 0.35 | 120  | 54.0 | 1.3   | 0.005 | 36  | 6.5 |
| 52A | 771083 | 16              | 286911 | 5361262 | MVCC      | LT 1      | 36 00   | H     | 1                | BR               | GN                         |                            | 84  | 58  | 2  | 25  | 4   | 0.1 | 160  | 1.0 | 1     | 0.50 | 90   | 55.6 | 2.4   | 0.005 | 50  | 7.0 |
| 52A | 771084 | 16              | 289917 | 5361897 | GRNG      | POND      | 4 00    | M     | 1                | BR               | GN                         |                            | 126 | 48  | 7  | 36  | 9   | 0.1 | 190  | 2.5 | 1     | 1.50 | 100  | 33.6 | 1.6   | 0.010 | 54  | 6.8 |
| 52A | 771085 | 16              | 289942 | 5364675 | MVCC      | 1-5       | 38 70   | M     |                  | BR               | GN                         |                            | 108 | 36  | 9  | 28  | 9   | 0.1 | 445  | 1.0 | 3     | 1.60 | 190  | 32.2 | 0.8   | 0.005 | 46  | 7.1 |
| 52A | 771086 | 16              | 290076 | 5365840 | MVCC      | LT 1      | 12 10   | M     |                  | BR               |                            | 136                        | 44  | 2   | 36 | 6   | 0.1 | 120 | 0.5  | 6   | 0.50  | 90   |      | 1.4  | 0.005 | 46    | 6.9 |     |
| 52A | 771087 | 16              | 290076 | 5365840 | MVCC      | LT 1      | 12 20   | M     |                  | BR               |                            | 128                        | 44  | 4   | 44 | 4   | 0.4 | 80  |      | 2   | 0.90  |      |      | 1.1  | 0.005 | 22    | 6.8 |     |
| 52A | 771088 | 16              | 285090 | 5367411 | MVCC      | POND      | 2 00    | L     |                  | BR               | L                          | 70                         | 28  | 6   | 17 | 4   | 0.1 | 165 | 0.5  | 1   | 0.40  | 120  | 41.6 | 0.7  | 0.005 | 34    | 6.7 |     |
| 52A | 771089 | 16              | 288276 | 5367779 | MVCC      | 1-5       | 6 00    | M     |                  | BR               |                            | 78                         | 36  | 2   | 29 | 4   | 0.1 | 70  | 1.0  | 2   | 0.65  | 100  | 60.0 | 0.9  | 0.005 | 46    | 7.2 |     |
| 52A | 771090 | 16              | 289790 | 5368115 | MVCC      | LT 1      | 12 00   | M     |                  | BR               | GN                         |                            | 80  | 24  | 10 | 16  | 2   | 0.1 | 260  |     | 4     | 0.20 |      |      | 0.7   | 0.005 | 20  | 7.3 |
| 52A | 771091 | 16              | 287984 | 5370403 | MVCC      | POND      | 18 00   | M     |                  | BR               | GN                         |                            | 112 | 32  | 1  | 14  | 4   | 0.1 | 240  | 1.0 | 12    | 1.00 |      |      | 0.7   | 0.005 | 34  | 7.1 |
| 52A | 771093 | 16              | 282782 | 5373954 | MVCC      | POND      | 38 00   | L     | 1                | BR               | TN                         |                            | 92  | 76  | 6  | 40  | 15  | 0.1 | 475  | 0.5 | 1     | 3.60 | 90   | 36.4 | 2.1   | 0.005 | 32  | 6.9 |
| 52A | 771094 | 16              | 291579 | 5370323 | MVCC      | 1-5       | 12 00   | M     | 1                | BR               | GN                         |                            | 90  | 64  | 1  | 33  | 7   | 0.1 | 190  | 5.0 | 1     | 1.75 | 100  | 74.2 | 1.0   | 0.005 | 42  | 7.9 |
| 52A | 771095 | 16              | 293774 | 5372000 | MVCC      | 1-5       | 58 00   | H     |                  | GN               |                            | 96                         | 80  | 4   | 40 | 13  | 0.1 | 230 | 3.0  | 1   | 2.45  | 90   | 26.6 | 1.2  | 0.005 | 34    | 7.7 |     |
| 52A | 771096 | 16              | 296833 | 5370732 | MVCC      | POND      | 13 00   | L     |                  | BR               | GN                         |                            | 64  | 20  | 3  | 30  | 7   | 0.1 | 70   | 2.0 | 1     | 0.40 | 60   | 50.8 | 0.4   | 0.005 | 10  | 7.2 |
| 52A | 771097 | 16              | 295620 | 5375166 | UMFC      | 1-5       | 32 00   | H     |                  | BR               | GN                         |                            | 156 | 58  | 4  | 134 | 16  | 0.1 | 375  | 3.5 | 7     | 2.35 | 120  | 58.6 | 1.5   | 0.005 | 32  | 7.2 |
| 52A | 771098 | 16              | 298416 | 5374811 | MVCC      | LT 1      | 8 00    | H     |                  | BR               |                            | 86                         | 40  | 11  | 14 | 4   | 0.1 | 60  | 5.0  | 6   | 0.50  | 120  | 58.2 | 0.8  | 0.005 | 44    | 7.0 |     |
| 52A | 771099 | 16              | 301727 | 5376261 | CGLM      | POND      | 18 00   | H     |                  | BR               |                            | 64                         | 32  | 7   | 11 | 4   | 0.1 | 90  | 2.5  | 5   | 0.25  | 110  | 60.6 | 0.8  | 0.005 | 20    | 7.1 |     |
| 52A | 771100 | 16              | 310161 | 5374901 | MVCC      | POND      | 14 00   | H     |                  | BR               |                            | 72                         | 32  | 2   | 21 | 5   | 0.1 | 245 | 12.0 | 5   | 1.05  | 100  | 61.2 | 1.3  | 0.005 | 54    | 7.2 |     |
| 52A | 771102 | 16              | 314423 | 5376607 | MVCC      | LT 1      | 14 00   | H     | 1                | BR               | GN                         |                            | 82  | 36  | 7  | 20  | 5   | 0.1 | 100  | 0.5 | 2     | 0.75 | 110  | 58.0 | 1.2   | 0.005 | 22  | 7.2 |
| 52A | 771103 | 16              | 315211 | 5375114 | MVCC      | POND      | 7 00    | M     |                  | BR               |                            | 84                         | 18  | 3   | 17 | 5   | 0.1 | 120 | 0.5  | 2   | 0.20  | 110  | 65.6 | 0.9  | 0.005 | 52    | 6.9 |     |
| 52A | 771105 | 16              | 360057 | 5356064 | DIBS      | LT 1      | 42 00   | H     |                  | BR               | GN                         |                            | 178 | 172 | 4  | 27  | 18  | 0.1 | 395  | 1.5 | 1     | 1.90 | 160  | 49.8 | 1.1   | 0.020 | 42  | 6.9 |
| 52A | 771106 | 16              | 361645 | 5354413 | ARGL      | POND      | 9 00    | H     | 1                | BR               | GN                         |                            | 78  | 80  | 9  | 30  | 8   | 0.1 | 90   | 0.5 | 1     | 1.20 | 240  | 32.0 | 2.6   | 0.005 | 54  | 7.3 |
| 52A | 771107 | 16              | 362721 | 5354766 | ARGL      | POND      | 6 00    | M     |                  | BR               | L                          | 98                         | 52  | 4   | 28 | 6   | 0.2 | 75  | 0.5  | 1   | 0.65  | 150  | 43.2 | 1.0  | 0.005 | 54    | 6.3 |     |
| 52A | 771108 | 16              | 365445 | 5355024 | ARGL      | LT 1      | 56 00   | M     | 1                | BK               | BR                         |                            | 192 | 10  | 12 | 40  | 12  | 0.1 | 675  | 0.5 | 2     | 3.50 | 150  | 48.6 | 3.3   | 0.020 | 34  | 7.7 |
| 52A | 771109 | 16              | 364327 | 5356180 | SMRK      | LT 1      | 22 70   | H     |                  | BK               | BR                         |                            | 160 | 36  | 5  | 13  | 6   | 0.1 | 340  | 0.5 | 1     | 0.60 | 150  | 76.0 | 8.2   | 0.030 | 70  | 7.5 |
| 52A | 771110 | 16              | 364142 | 5357631 | SMRK      | LT 1      | 12 10   | H     |                  | BR               |                            | 132                        | 50  | 3   | 13 | 5   | 0.1 | 50  | 0.5  | 2   | 0.30  | 90   | 66.0 | 5.7  | 0.030 | 70    | 7.4 |     |
| 52A | 771111 | 16              | 364142 | 5357631 | SMRK      | LT 1      | 12 20   | H     |                  | BR               |                            | 94                         | 48  | 3   | 13 | 4   | 0.1 | 50  | 0.5  | 3   | 0.30  | 90   | 69.2 | 5.3  | 0.020 | 46    | 7.4 |     |
| 52A | 771112 | 16              | 365903 | 5358625 | SMRK      | GT 5      | 28 00   | M     | 1                | BR               | GY                         |                            | 36  | 14  | 4  | 11  | 6   | 0.1 | 240  | 1.0 | 1     | 1.15 | 60   | 3.0  | 1.6   | 0.020 | 52  | 7.6 |

| MAP | SAMPLE | UTM COORDINATES |        |         | ROCK TYPE | LAKE AREA | SMP DTH | RP ST | R E G I O N |    |    | SAMP COLOR | S U P | ZN | CU | PB | NI | CO  | AG    | MN  | AS | MO    | FE  | HG   | LOI  | U     | U-W | F-W | PH |
|-----|--------|-----------------|--------|---------|-----------|-----------|---------|-------|-------------|----|----|------------|-------|----|----|----|----|-----|-------|-----|----|-------|-----|------|------|-------|-----|-----|----|
|     |        | ZN              | EAST   | NORTH   |           |           |         |       | F           | L  | T  |            |       |    |    |    |    |     |       |     |    |       |     |      |      |       |     |     |    |
| 52A | 771113 | 16              | 366611 | 5360328 | SMRK      | GT 5      | 48 00   | M     | 1           | BR | GY |            | 82    | 40 | 5  | 24 | 10 | 0.1 | 330   | 0.5 | 1  | 2.35  | 60  | 15.2 | 3.2  | 0.150 | 68  | 7.6 |    |
| 52A | 771114 | 16              | 369265 | 5357790 | SMRK      | POND      | 19 00   | M     |             | BR | GN |            | 128   | 28 | 8  | 16 | 7  | 0.1 | 160   | 1.5 | 1  | 0.15  | 100 | 63.0 | 0.7  | 0.005 | 24  | 6.2 |    |
| 52A | 771115 | 16              | 370027 | 5360209 | SMRK      | 1-5       | 9 00    | L     |             | BR |    |            | 118   | 18 | 8  | 13 | 4  | 0.1 | 85    | 0.5 | 2  | 0.20  | 90  | 63.0 | 2.6  | 0.020 | 66  | 6.9 |    |
| 52A | 771116 | 16              | 364532 | 5362767 | SMRK      | LT 1      | 7 00    | M     |             | BR |    |            | 128   | 34 | 5  | 15 | 5  | 0.1 | 50    | 0.5 | 2  | 0.30  | 110 | 63.0 | 4.3  | 0.030 | 48  | 7.4 |    |
| 52A | 771117 | 16              | 365042 | 5364922 | SMRK      | 1-5       | 16 00   | M     |             | BR | GN |            | 138   | 40 | 4  | 18 | 6  | 0.1 | 120   | 1.0 | 1  | 0.80  | 170 | 55.6 | 3.6  | 0.010 | 24  | 7.2 |    |
| 52A | 771118 | 16              | 367513 | 5364554 | SMRK      | 1-5       | 14 00   | M     |             | BR | GN |            | 90    | 32 | 4  | 14 | 4  | 0.1 | 120   | 1.0 | 3  | 0.80  | 130 | 56.0 | 2.7  | 0.160 | 60  | 7.5 |    |
| 52A | 771119 | 16              | 368362 | 5367256 | SMRK      | 1-5       | 36 00   | M     |             | BR | GN |            | 120   | 72 | 3  | 20 | 9  | 0.1 | 480   | 1.0 | 2  | 1.50  | 110 | 56.0 | 4.5  | 0.030 | 64  | 7.8 |    |
| 52A | 771120 | 16              | 370845 | 5365889 | SMRK      | 1-5       | 11 00   | M     |             | BR | GN |            | 86    | 48 | 5  | 15 | 5  | 0.1 | 70    | 1.0 | 1  | 0.60  | 110 | 46.0 | 5.6  | 0.020 | 26  | 7.0 |    |
| 52A | 771122 | 16              | 373369 | 5365722 | SMRK      | LT 1      | 3 00    | M     |             | BR |    |            | 114   | 44 | 5  | 30 | 4  | 0.1 | 170   | 0.5 | 1  | 1.45  | 100 | 55.4 | 1.4  | 0.005 | 58  | 7.1 |    |
| 52A | 771123 | 16              | 371663 | 5367962 | SMRK      | LT 1      | 11 00   | L     |             | BR | GN |            | 76    | 82 | 4  | 16 | 4  | 0.1 | 50    | 1.0 | 2  | 0.75  | 130 | 46.8 | 9.0  | 0.120 | 26  | 7.5 |    |
| 52A | 771124 | 16              | 372695 | 5370301 | SMRK      | 1-5       | 3 70    | L     |             | BR | GN | L          | 70    | 50 | 4  | 20 | 6  | 0.1 | 100   | 1.0 | 3  | 1.35  | 80  | 39.0 | 5.4  | 0.210 | 64  | 6.9 |    |
| 52A | 771125 | 16              | 373206 | 5371515 | SMRK      | 1-5       | 9 10    | M     |             | BR | GN | L          | 60    | 78 | 2  | 23 | 2  | 0.1 | 45    | 1.0 | 1  | 0.40  | 130 | 49.4 | 3.1  | 0.010 | 40  | 6.8 |    |
| 52A | 771126 | 16              | 373206 | 5371515 | SMRK      | 1-5       | 9 20    | M     |             | BR | GN | L          | 68    | 86 | 4  | 26 | 3  | 0.1 | 50    | 0.5 | 1  | 0.40  | 130 | 50.2 | 2.6  | 0.020 | 20  | 6.8 |    |
| 52A | 771127 | 16              | 370162 | 5371047 | SMRK      | 1-5       | 4 00    | M     |             | BR | GN |            | 70    | 48 | 3  | 17 | 4  | 0.1 | 65    | 0.5 | 2  | 0.80  | 110 | 45.2 | 5.3  | 0.140 | 60  | 7.6 |    |
| 52A | 771129 | 16              | 368192 | 5372038 | SMRK      | 1-5       | 39 00   | H     | 1           | BR |    |            | 82    | 86 | 5  | 23 | 10 | 0.1 | 175   | 0.5 | 1  | 1.70  | 140 | 28.2 | 3.1  | 0.030 | 24  | 7.5 |    |
| 52A | 771130 | 16              | 369703 | 5374111 | SMRK      | LT 1      | 65 00   | H     |             | BR |    |            | 88    | 94 | 1  | 14 | 12 | 0.1 | 920   | 1.0 | 1  | 1.80  | 280 | 87.2 | 6.2  | 0.030 | 52  | 7.7 |    |
| 52A | 771131 | 16              | 372284 | 5379843 | SMRK      | LT 1      | 64 00   | H     | 1           | BR |    |            | 126   | 38 | 8  | 17 | 9  | 0.1 | 735   | 1.0 | 2  | 3.00  | 140 | 37.4 | 4.1  | 0.010 | 56  | 7.4 |    |
| 52A | 771132 | 16              | 372554 | 5382205 | SMRK      | LT 1      | 18 00   | H     |             | BR |    |            | 84    | 24 | 5  | 10 | 5  | 0.1 | 640   | 0.5 | 2  | 1.80  |     | 58.8 | 4.3  | 0.020 | 34  | 7.5 |    |
| 52A | 771133 | 16              | 372423 | 5383914 | SMRK      | LT 1      | 11 00   | H     |             | BR | L  |            | 70    | 22 | 5  | 12 | 6  | 0.1 | 75    | 0.5 | 1  | 0.55  | 80  | 44.4 | 3.2  | 0.010 | 56  | 6.8 |    |
| 52A | 771134 | 16              | 377594 | 5383818 | SMRK      | 1-5       | 24 00   | H     |             | BR |    |            | 60    | 40 | 6  | 18 | 7  | 0.1 | 325   | 1.5 | 1  | 1.80  | 30  | 28.4 | 13.0 | 0.280 | 64  | 7.4 |    |
| 52A | 771135 | 16              | 376942 | 5386488 | SMRK      | LT 1      | 33 00   | H     | 1           | BR |    |            | 114   | 58 | 3  | 15 | 7  | 0.1 | 340   | 0.5 | 3  | 0.95  | 60  | 66.2 | 5.8  | 0.030 | 38  | 7.4 |    |
| 52A | 771136 | 16              | 373715 | 5387553 | SMRK      | GT 5      | 66 00   | H     | 1           | BR |    |            | 925   | 52 | 40 | 17 | 9  | 0.1 | 1750  | 4.5 | 1  | 2.50  | 40  | 34.0 | 15.3 | 0.180 | 42  | 7.7 |    |
| 52A | 771137 | 16              | 371170 | 5386824 | CHRT      | 1-5       | 63 00   | H     | 1           | BK |    |            | 215   | 28 | 1  | 9  | 10 | 0.1 | 38000 | 5.0 | 5  | 17.00 | 90  | 38.6 | 12.3 | 0.380 | 64  | 7.9 |    |
| 52A | 771138 | 16              | 368419 | 5383597 | BEXV      | 1-5       | 47 00   | H     | 1           | BK | BR |            | 142   | 74 | 6  | 24 | 9  | 0.2 | 675   | 1.0 | 1  | 2.00  | 290 | 32.8 | 2.5  | 0.050 | 34  | 7.5 |    |
| 52A | 771139 | 16              | 367061 | 5386944 | DIBS      | LT 1      | 12 00   | M     |             | BR |    |            | 56    | 18 | 1  | 12 | 2  | 0.1 | 35    | 0.5 | 2  | 0.40  | 90  | 37.8 | 2.4  | 0.220 | 52  | 7.1 |    |
| 52A | 771140 | 16              | 363918 | 5384737 | DIBS      | POND      | 2 00    | L     |             | BK | H  |            | 108   | 34 | 7  | 16 | 10 | 0.1 | 575   | 1.0 | 1  | 1.50  | 150 | 38.6 | 10.6 | 1.200 | 52  | 6.9 |    |
| 52A | 771142 | 16              | 364446 | 5383610 | BEXV      | LT 1      | 14 00   | M     |             | BR |    |            | 64    | 96 | 1  | 24 | 5  | 0.1 | 85    | 0.5 | 1  | 0.65  | 120 | 40.4 | 1.5  | 0.005 | 38  | 7.3 |    |
| 52A | 771143 | 16              | 329715 | 5378977 | MVCC      | LT 1      | 16 00   | M     | 1           | BR |    |            | 96    | 46 | 3  | 18 | 6  | 0.1 | 140   | 1.0 | 2  | 1.10  | 130 | 43.4 | 1.7  | 0.010 | 30  | 7.2 |    |
| 52A | 771144 | 16              | 329823 | 5384035 | GRCK      | 1-5       | 46 00   | M     |             | BR |    |            | 118   | 44 | 4  | 25 | 15 | 0.1 | 505   | 1.0 | 4  | 2.90  | 190 | 32.0 | 2.4  | 0.010 | 48  | 6.8 |    |
| 52A | 771145 | 16              | 327207 | 5385764 | GRCK      | 1-5       | 29 00   | M     | 1           | BR |    |            | 132   | 48 | 1  | 28 | 32 | 0.1 | 725   | 0.5 | 3  | 3.20  | 230 | 42.2 | 1.6  | 0.010 | 34  | 6.6 |    |
| 52A | 771146 | 16              | 328207 | 5388759 | GRCK      | LT 1      | 20 00   | M     | 1           | BR |    |            | 94    | 40 | 2  | 31 | 18 | 0.1 | 270   | 0.5 | 1  | 1.70  | 150 | 40.2 | 1.5  | 0.010 | 38  | 6.3 |    |
| 52A | 771147 | 16              | 332008 | 5387742 | GRCK      | 1-5       | 13 00   | M     |             | BR | GN |            | 68    | 42 | 8  | 30 | 7  | 0.1 | 145   | 0.5 | 2  | 1.25  | 160 | 35.0 | 1.6  | 0.005 | 42  | 6.8 |    |
| 52A | 771148 | 16              | 332371 | 5389724 | GRNG      | 1-5       | 18 70   | M     | 1           | BR | GN |            | 112   | 44 | 2  | 24 | 14 | 0.1 | 350   | 0.5 | 6  | 2.00  | 130 | 38.4 | 4.5  | 0.030 | 50  | 6.5 |    |
| 52A | 771149 | 16              | 331317 | 5390903 | GRNG      | 1-5       | 16 10   | M     | 1           | BR | GN |            | 98    | 44 | 9  | 22 | 10 | 0.1 | 250   | 1.5 | 2  | 1.95  | 160 | 34.4 | 11.5 | 0.040 | 58  | 6.8 |    |
| 52A | 771150 | 16              | 331317 | 5390903 | GRNG      | 1-5       | 16 20   | M     | 1           | BR | GN |            | 88    | 42 | 7  | 21 | 10 | 0.1 | 240   | 0.5 | 2  | 1.95  | 120 | 68.0 | 11.4 | 0.040 | 82  | 6.4 |    |
| 52A | 771151 | 16              | 330532 | 5394272 | GRNG      | LT 1      | 11 00   | L     |             | BR | GN |            | 74    | 18 | 3  | 12 | 5  | 0.1 | 215   | 0.5 | 1  | 1.00  | 100 | 45.4 | 7.4  | 0.020 | 48  | 6.1 |    |
| 52A | 771152 | 16              | 331933 | 5396438 | GRNG      | 1-5       | 10 00   | M     |             | BR |    |            | 78    | 34 | 3  | 15 | 8  | 0.1 | 190   | 0.5 | 1  | 1.00  | 90  | 39.4 | 19.8 | 0.390 | 24  | 6.7 |    |
| 52A | 771153 | 16              | 330663 | 5400569 | GRNG      | LT 1      | 11 00   | H     | 1           | BR |    |            | 58    | 42 | 1  | 17 | 6  | 0.1 | 80    | 0.5 | 3  | 0.65  | 100 | 34.8 | 26.9 | 0.690 | 34  | 6.2 |    |
| 52A | 771155 | 16              | 327649 | 5403655 | GRNG      | POND      | 11 00   | M     |             | BR |    |            | 46    | 46 | 1  | 18 | 5  | 0.1 | 110   | 0.5 | 1  | 1.10  | 100 | 39.4 | 4.1  | 0.090 | 20  | 6.4 |    |
| 52A | 771156 | 16              | 329677 | 5404480 | GRNG      | LT 1      | 16 00   | M     |             | BR |    |            | 88    | 52 | 1  | 27 | 15 | 0.2 | 320   | 0.5 | 1  | 2.85  | 100 | 34.4 | 3.8  | 0.010 | 32  | 6.6 |    |
| 52A | 771157 | 16              | 333628 | 5404729 | GRNG      | 1-5       | 38 00   | M     |             | BR | GN |            | 144   | 80 | 2  | 28 | 12 | 0.2 | 610   |     | 6  | 3.20  |     | 40.6 | 4.4  | 0.010 | 28  | 6.5 |    |
| 52A | 771158 | 16              | 331187 | 5408320 | GRNG      | GT 5      | 37 00   | M     |             | GY |    |            | 58    | 30 | 3  | 18 | 11 | 0.2 | 250   | 0.5 | 2  | 1.75  | 60  | 10.2 | 2.1  | 0.030 | 20  | 6.7 |    |
| 52A | 771159 | 16              | 330206 | 5411544 | GRNG      | POND      | 13 00   | H     |             | BR |    |            | 68    | 38 | 8  | 17 | 10 | 0.1 | 175   | 1.0 | 2  | 1.80  | 120 | 47.0 | 6.1  | 0.140 | 40  | 6.1 |    |
| 52A | 771160 | 16              | 327564 | 5413413 | GRNG      | LT 1      | 29 00   | M     |             | BR | GN |            | 150   | 62 | 3  | 24 | 11 | 0.1 | 605   | 1.5 | 5  | 2.05  | 80  | 61.2 | 13.5 | 0.020 | 22  | 6.4 |    |
| 52A | 771162 | 16              | 327763 | 5411485 | GRNG      | 1-5       | 14 00   | M     |             | BR |    |            | 86    | 20 | 1  | 18 | 18 | 0.1 | 460   | 0.5 | 1  | 2.30  | 100 | 12.6 | 4.4  | 0.090 | 28  | 6.5 |    |
| 52A | 771163 | 16              | 325058 | 5411894 | GRNG      | POND      | 19 00   | M     |             | BR | GN |            | 148   | 56 | 3  | 24 | 13 | 0.1 | 205   | 0.5 | 5  | 1.80  | 50  | 52.2 | 4.6  | 0.010 | 22  | 6.3 |    |
| 52A | 771164 | 16              | 327109 | 5409380 | GRNG      | POND      | 29 70   | M     |             | BR | GN |            | 118   | 68 | 3  | 22 | 14 | 0.1 | 490   | 0.5 | 1  | 2.50  | 80  | 51.2 | 3.0  | 0.010 | 42  | 7.2 |    |
| 52A | 771165 | 16              | 327048 | 5407830 | GRNG      | GT 5      | 98 10   | M     |             | GY | TN |            | 102   | 50 | 2  | 32 | 22 | 0.1 | 1150  | 1.0 | 2  | 4.25  | 80  | 14.2 | 4.3  | 0.030 | 42  | 6.6 |    |
| 52A | 771166 | 16              | 327048 | 5407830 | GRNG      | GT 5      | 98 20   | M     |             | GY | TN |            | 96    | 48 | 3  | 29 | 19 | 0.1 | 1000  | 1.0 | 1  | 3.55  | 80  | 14.6 | 4.5  | 0.050 | 28  | 7.0 |    |
| 52A | 771167 | 16              | 326314 | 5406453 | GRNG      | GT 5      | 64 00   | M     |             | BR | GN |            | 108   | 70 | 1  | 37 | 24 | 0.1 | 1350  | 1.5 | 3  | 5.70  | 90  | 19.2 | 5.0  | 0.050 | 32  | 6.7 |    |

REGIONAL LAKE SEDIMENT AND WATER GEOCHEMICAL RECONNAISSANCE DATA, ONTARIO 1977.

GSC-OF 507, NGR 18-1977, NTS 52A, 52H(S/2)

| MAP | SAMPLE | UTM COORDINATES |        |         | ROCK TYPE | LAKE AREA | SMP DTH | RP ST | R E G I O N |   |    | SAMP COLOR | S U P P | ZN  | CU | PB | NI | CO  | AG   | MN  | AS | MO   | FE  | HG   | LOI  | U     | U-W | F-W | PH |
|-----|--------|-----------------|--------|---------|-----------|-----------|---------|-------|-------------|---|----|------------|---------|-----|----|----|----|-----|------|-----|----|------|-----|------|------|-------|-----|-----|----|
|     |        | ZN              | EAST   | NORTH   |           |           |         |       | F           | L | T  |            |         |     |    |    |    |     |      |     |    |      |     |      |      |       |     |     |    |
| 52A | 771168 | 16              | 323192 | 5404449 | GRNG      | GT 5      | 75      | 00    | M           | 1 | BR | GY         | 72      | 42  | 1  | 21 | 13 | 0.1 | 810  | 1.0 | 2  | 3.50 | 80  | 16.0 | 4.0  | 0.030 | 32  | 7.1 |    |
| 52A | 771169 | 16              | 324829 | 5401613 | GRNG      | LT 1      | 16      | 00    | M           | 1 | BR | GN         | 98      | 54  | 2  | 23 | 9  | 0.1 | 235  | 0.5 | 3  | 1.25 | 70  | 60.8 | 6.4  | 0.010 | 28  | 7.1 |    |
| 52A | 771170 | 16              | 325947 | 5400591 | GRNG      | POND      | 15      | 00    | M           |   | BR | GN         | 80      | 54  | 2  | 15 | 10 | 0.1 | 125  | 0.5 | 2  | 1.00 | 100 | 38.4 | 22.2 | 0.230 | 50  | 6.7 |    |
| 52A | 771171 | 16              | 326747 | 5397800 | GRNG      | LT 1      | 12      | 00    | M           | 1 | BR | BR         | 76      | 48  | 4  | 20 | 10 | 0.1 | 250  | 0.5 | 1  | 1.70 | 180 | 33.6 | 26.1 | 0.470 | 42  | 6.9 |    |
| 52A | 771173 | 16              | 326274 | 5394130 | GRNG      | GT 5      | 29      | 00    | M           | 1 | BR | BR         | 118     | 30  | 3  | 22 | 25 | 0.1 | 1000 | 1.0 | 4  | 4.95 | 80  | 16.8 | 20.8 | 0.080 | 48  | 6.9 |    |
| 52A | 771174 | 16              | 323734 | 5393541 | GRNG      | 1-5       | 8       | 00    | M           | 1 | BR | GN         | 138     | 38  | 9  | 25 | 15 | 0.1 | 255  | 0.5 | 3  | 2.65 | 100 | 40.4 | 10.1 | 0.030 | 44  | 6.5 |    |
| 52A | 771175 | 16              | 323170 | 5396863 | GRNG      | LT 1      | 12      | 00    | H           | 1 | BR | GN         | 62      | 24  | 4  | 16 | 12 | 0.1 | 375  | 0.5 | 1  | 1.80 | 90  | 16.4 | 12.2 | 0.420 | 44  | 6.9 |    |
| 52A | 771176 | 16              | 320401 | 5400689 | GRNG      | LT 1      | 8       | 00    | M           |   | BR | GN         | 62      | 36  | 8  | 16 | 6  | 0.1 | 105  | 0.5 | 2  | 0.85 | 80  | 36.2 | 26.5 | 0.450 | 34  | 6.6 |    |
| 52A | 771177 | 16              | 319799 | 5402544 | GRNG      | LT 1      | 25      | 00    | H           |   | BK | GN         | 122     | 76  | 1  | 25 | 12 | 0.1 | 855  | 0.5 | 3  | 4.35 | 90  | 44.8 | 5.6  | 0.005 | 28  | 7.1 |    |
| 52A | 771178 | 16              | 307296 | 5397828 | GRNG      | GT 5      | 39      | 00    | M           |   | BR | GN         | 92      | 66  | 1  | 33 | 13 | 0.1 | 820  | 1.0 | 6  | 3.10 | 70  | 13.8 | 6.4  | 0.020 | 40  | 7.3 |    |
| 52A | 771179 | 16              | 307158 | 5395099 | GRNG      | POND      | 21      | 00    | M           |   | BR | BR         | 76      | 30  | 2  | 19 | 9  | 0.1 | 230  | 0.5 | 1  | 1.95 | 60  | 20.0 | 3.2  | 0.070 | 50  | 6.8 |    |
| 52A | 771180 | 16              | 308824 | 5392021 | GRNG      | 1-5       | 13      | 00    | H           |   | BR | BR         | 79      | 46  | 3  | 26 | 11 | 0.1 | 465  | 0.5 | 2  | 2.70 | 80  | 20.0 | 11.0 | 0.030 | 44  | 6.8 |    |
| 52A | 771182 | 16              | 309114 | 5390967 | GRNG      | 1-5       | 16      | 00    | H           |   | BR | BR         | 78      | 46  | 5  | 24 | 11 | 0.1 | 455  | 2.0 | 2  | 2.80 | 70  | 20.8 | 10.8 | 0.030 | 34  | 7.1 |    |
| 52A | 771183 | 16              | 319441 | 5377146 | MVCC      | LT 1      | 12      | 00    | M           |   | BR | GN         | 80      | 20  | 3  | 9  | 2  | 0.1 | 60   | 0.5 | 2  | 0.60 | 70  | 59.8 | 0.9  | 0.005 | 44  | 6.9 |    |
| 52A | 771184 | 16              | 320844 | 5374803 | MVCC      | POND      | 7       | 00    | M           | 1 | BR | GN         | 64      | 24  | 8  | 13 | 4  | 0.1 | 135  | 0.5 | 2  | 0.70 | 140 | 40.4 | 1.9  | 0.010 | 54  | 7.1 |    |
| 52A | 773002 | 16              | 327544 | 5341604 | DIBS      | 1-5       | 26      | 00    | H           |   | BK | BR         | L 122   | 182 | 8  | 37 | 14 | 0.1 | 300  | 0.5 | 4  | 3.15 | 180 | 28.4 | 3.1  | 0.005 | 46  | 7.3 |    |
| 52A | 773003 | 16              | 328609 | 5340062 | ARGL      | 1-5       | 14      | 00    | H           |   | BR | GY         | L 96    | 32  | 10 | 25 | 12 | 0.1 | 280  | 1.5 | 1  | 2.70 | 180 | 8.2  | 2.6  | 0.020 | 64  | 7.9 |    |
| 52A | 773004 | 16              | 324482 | 5337092 | ARGL      | POND      | 47      | 00    | H           |   | BR | GY         | L 168   | 92  | 8  | 29 | 13 | 0.1 | 230  | 1.0 | 3  | 2.65 | 200 | 30.6 | 2.5  | 0.005 | 60  | 7.5 |    |
| 52A | 773005 | 16              | 324630 | 5338771 | ARGL      | POND      | 26      | 00    | H           |   | BK | BR         | L 96    | 60  | 3  | 15 | 4  | 0.1 | 55   | 0.5 | 2  | 1.00 | 270 | 38.0 | 2.3  | 0.005 | 38  | 7.4 |    |
| 52A | 773006 | 16              | 324931 | 5342582 | DIBS      | POND      | 8       | 70    | H           |   | BR | GY         | L 82    | 54  | 14 | 18 | 4  | 0.2 | 50   | 0.5 | 2  | 0.60 | 190 | 54.0 | 1.4  | 0.005 | 66  | 7.1 |    |
| 52A | 773007 | 16              | 324753 | 5344376 | DIBS      | GT 5      | 90      | 10    | H           |   | BR | GN         | L 138   | 104 | 6  | 28 | 9  | 0.1 | 280  | 2.0 | 2  | 2.90 | 190 | 26.8 | 2.6  | 0.005 | 44  | 7.4 |    |
| 52A | 773008 | 16              | 324753 | 5344376 | DIBS      | GT 5      | 97      | 20    | H           |   | BR | GN         | L 142   | 64  | 8  | 27 | 10 | 0.2 | 265  | 2.5 | 3  | 4.00 | 170 | 26.8 | 3.1  | 0.005 | 30  | 7.4 |    |
| 52A | 773009 | 16              | 322509 | 5349123 | ARGL      | POND      | 7       | 00    | H           |   | BR | GN         | L 148   | 96  | 16 | 25 | 13 | 0.1 | 540  | 3.0 | 2  | 2.05 | 300 | 34.6 | 3.4  | 0.005 | 70  | 7.6 |    |
| 52A | 773010 | 16              | 327963 | 5365474 | DIBS      | POND      | 7       | 00    | L           |   | BR | GN         | L 74    | 26  | 6  | 22 | 2  | 0.1 | 80   | 0.5 | 2  | 0.55 | 170 | 53.8 | 0.5  | 0.005 | 110 | 7.4 |    |
| 52A | 773011 | 16              | 336686 | 5371549 | CHRT      | POND      | 7       | 00    | L           |   | BR | GN         | L 58    | 14  | 7  | 6  | 1  | 0.1 | 315  | 1.5 | 3  | 0.35 | 90  | 57.0 | 1.8  | 0.005 | 150 | 7.7 |    |
| 52A | 773012 | 16              | 342329 | 5376897 | MVCC      | POND      | 7       | 00    | M           |   | BR | GN         | L 58    | 66  | 5  | 17 | 4  | 0.1 | 155  | 0.5 | 6  | 0.85 | 150 | 53.4 | 3.5  | 0.030 | 66  | 7.6 |    |
| 52A | 773013 | 16              | 343121 | 5380085 | MVCC      | POND      | 7       | 00    | M           |   | BR | GN         | L 64    | 40  | 8  | 16 | 4  | 0.1 | 40   | 0.5 | 1  | 0.55 | 150 | 30.4 | 1.4  | 0.005 | 46  | 6.8 |    |
| 52A | 773015 | 16              | 341838 | 5381927 | GRNG      | POND      | 33      | 00    | M           |   | BR | GN         | L 38    | 22  | 1  | 8  | 4  | 0.1 | 125  | 0.5 | 2  | 0.60 | 190 | 47.4 | 2.9  | 0.010 | 50  | 6.6 |    |
| 52A | 773016 | 16              | 341037 | 5386670 | GRCK      | POND      | 10      | 00    | M           |   | BR | GN         | L 56    | 36  | 4  | 6  | 6  | 0.1 | 100  | 0.5 | 4  | 0.80 | 150 | 40.6 | 1.1  | 0.005 | 50  | 6.5 |    |
| 52A | 773017 | 16              | 341861 | 5390359 | GRCK      | POND      | 10      | 00    | M           |   | BR | GN         | L 30    | 20  | 2  | 11 | 3  | 0.1 | 20   | 0.5 | 1  | 0.40 | 140 | 39.8 | 1.8  | 0.020 | 42  | 6.2 |    |
| 52A | 773018 | 16              | 340861 | 5392426 | GRCK      | LT 1      | 20      | 00    | M           |   | BR | GN         | L 38    | 24  | 4  | 10 | 6  | 0.1 | 315  | 0.5 | 1  | 1.15 | 90  | 39.2 | 4.8  | 0.050 | 56  | 6.8 |    |
| 52A | 773019 | 16              | 342000 | 5395727 | GRNG      | POND      | 10      | 00    | M           |   | BR | GN         | L 60    | 32  | 6  | 18 | 6  | 0.1 | 95   | 0.5 | 1  | 0.85 | 120 | 33.6 | 6.0  | 0.005 | 54  | 6.3 |    |
| 52A | 773020 | 16              | 341502 | 5399428 | GRNG      | 1-5       | 30      | 00    | M           |   | BR | GN         | L 140   | 64  | 15 | 28 | 15 | 0.1 | 540  | 1.5 | 3  | 4.05 | 200 | 36.8 | 11.7 | 0.020 | 38  | 6.7 |    |
| 52A | 773022 | 16              | 339021 | 5399384 | GRNG      | POND      | 17      | 00    | M           |   | BR | GN         | L 26    | 20  | 1  | 6  | 1  | 0.1 | 50   | 0.5 | 2  | 0.50 | 180 | 36.2 | 11.5 | 0.220 | 52  | 6.7 |    |
| 52A | 773023 | 16              | 337734 | 5397366 | GRNG      | LT 1      | 31      | 70    | M           |   | BR | GN         | L 96    | 40  | 2  | 20 | 16 | 0.1 | 310  | 0.5 | 2  | 1.85 | 130 | 25.2 | 4.3  | 0.010 | 38  | 6.6 |    |
| 52A | 773024 | 16              | 338644 | 5396403 | GRNG      | LT 1      | 24      | 10    | M           |   | BR | GN         | L 74    | 46  | 2  | 19 | 11 | 0.1 | 170  | 2.0 | 3  | 1.40 | 150 | 34.2 | 17.1 | 0.130 | 80  | 6.7 |    |
| 52A | 773025 | 16              | 338644 | 5396403 | GRNG      | LT 1      | 28      | 20    | M           |   | BR | GN         | L 78    | 54  | 3  | 20 | 11 | 0.1 | 200  | 0.5 | 2  | 1.55 | 140 | 36.8 | 17.4 | 0.070 | 66  | 6.7 |    |
| 52A | 773026 | 16              | 338303 | 5392359 | GRCK      | POND      | 13      | 00    | M           |   | BR | GN         | L 112   | 54  | 2  | 32 | 17 | 0.1 | 285  | 0.5 | 3  | 1.90 | 90  | 46.2 | 2.1  | 0.005 | 36  | 6.8 |    |
| 52A | 773027 | 16              | 339235 | 5389188 | GRCK      | 1-5       | 31      | 00    | M           |   | BR | GN         | L 104   | 46  | 3  | 25 | 22 | 0.1 | 405  | 1.0 | 2  | 1.80 | 80  | 11.8 | 5.9  | 0.140 | 64  | 6.9 |    |
| 52A | 773028 | 16              | 339449 | 5387672 | BEXV      | LT 1      | 38      | 00    | M           |   | BR | GN         | L 104   | 122 | 3  | 33 | 11 | 0.2 | 305  | 0.5 | 3  | 1.50 | 180 | 39.0 | 2.9  | 0.005 | 42  | 7.2 |    |
| 52A | 773029 | 16              | 338451 | 5384079 | GRNG      | LT 1      | 57      | 00    | H           |   | BR | GN         | L 74    | 62  | 4  | 22 | 19 | 0.1 | 355  | 0.5 | 3  | 1.85 | 200 | 44.0 | 2.7  | 0.005 | 38  | 7.2 |    |
| 52A | 773030 | 16              | 336978 | 5380212 | MVCC      | POND      | 10      | 00    | M           |   | BR | GN         | L 64    | 32  | 2  | 14 | 4  | 0.1 | 90   | 1.0 | 2  | 0.40 | 100 | 44.8 | 1.0  | 0.005 | 50  | 6.8 |    |
| 52A | 773031 | 16              | 331363 | 5376892 | CGLM      | POND      | 23      | 00    | M           |   | BR | GN         | L       |     |    |    |    |     |      |     |    |      |     |      | 1.7  | 0.010 | 46  | 7.0 |    |
| 52A | 773032 | 16              | 348901 | 5375373 | MVCC      | POND      | 7       | 00    | H           |   | BR | GN         | L 86    | 80  | 3  | 91 | 9  | 0.1 | 140  | 0.5 | 1  | 0.85 | 180 | 42.0 | 3.1  | 0.005 | 32  | 7.4 |    |
| 52A | 773033 | 16              | 345357 | 5379719 | GRNG      | POND      | 22      | 00    | H           | 1 | BR | GN         | L 80    | 52  | 2  | 15 | 9  | 0.1 | 125  | 0.5 | 1  | 1.15 | 180 | 39.6 | 5.2  | 0.010 | 34  | 7.0 |    |
| 52A | 773034 | 16              | 347261 | 5380784 | MVCC      | POND      | 12      | 00    | H           |   | GY | GN         | L 64    | 34  | 5  | 18 | 7  | 0.1 | 85   | 0.5 | 1  | 0.65 | 140 | 37.2 | 7.1  | 0.050 | 48  | 7.0 |    |
| 52A | 773035 | 16              | 347837 | 5383013 | GRNG      | LT 1      | 25      | 00    | H           |   | BR | GN         | L 154   | 38  | 3  | 19 | 10 | 0.1 | 305  | 0.5 | 1  | 1.50 | 150 | 43.4 | 2.9  | 0.010 | 24  | 6.8 |    |
| 52A | 773036 | 16              | 346193 | 5383890 | GRNG      | LT 1      | 32      | 00    | H           |   | BR | GN         | L 112   | 46  | 3  | 18 | 13 | 0.1 | 170  | 0.5 | 2  | 1.80 | 120 | 48.0 | 2.6  | 0.010 | 30  | 7.0 |    |
| 52A | 773037 | 16              | 346532 | 5386224 | GRCK      | LT 1      | 15      | 00    | M           |   | BR | GN         | L 116   | 58  | 4  | 25 | 5  | 0.1 | 80   | 0.5 | 2  | 0.60 | 130 | 42.8 | 1.5  | 0.005 | 32  | 6.4 |    |
| 52A | 773038 | 16              | 348118 | 5386322 | GRCK      | LT 1      | 15      | 00    | M           |   | BR | GN         | L 210   | 40  | 5  | 31 | 20 | 0.1 | 465  | 1.0 | 1  | 2.10 | 140 | 32.8 | 2.9  | 0.005 | 26  | 6.5 |    |

## REGIONAL LAKE SEDIMENT AND WATER GEOCHEMICAL RECONNAISSANCE DATA, ONTARIO 1977.

GSC-OF 507, NGR 18-1977, NTS 52A, 52H(S/2)

| MAP | SAMPLE | UTM COORDINATES |            | ROCK TYPE | LAKE AREA | SMP DTH | RP ST | R<br>E<br>L | C<br>E<br>G<br>O<br>L | S<br>U<br>P | SAMP<br>P | Z N | C U | P B | N I | C O | A G | M N  | A S | M O | F E  | H G | L O I | U    | U-W   | F-W | P H |
|-----|--------|-----------------|------------|-----------|-----------|---------|-------|-------------|-----------------------|-------------|-----------|-----|-----|-----|-----|-----|-----|------|-----|-----|------|-----|-------|------|-------|-----|-----|
|     |        | ZN              | EAST NORTH |           |           |         |       |             |                       |             |           |     |     |     |     |     |     |      |     |     |      |     |       |      |       |     |     |
| 52A | 773039 | 16              | 347364     | 5388329   | GRCK      | 1-5     | 41    | 00          | M                     | 1           | BR GN L   | 176 | 38  | 6   | 22  | 15  | 0.1 | 370  | 0.5 | 2   | 1.60 | 130 | 37.6  | 1.7  | 0.005 | 26  | 6.6 |
| 52A | 773042 | 16              | 345584     | 5389319   | GRCK      | LT 1    | 10    | 00          | M                     |             | BR GN L   | 88  | 50  | 3   | 25  | 13  | 0.1 | 180  | 0.5 | 3   | 1.70 | 110 | 34.6  | 3.4  | 0.020 | 46  | 6.7 |
| 52A | 773043 | 16              | 346379     | 5392271   | GRNG      | LT 1    | 17    | 00          | M                     | 1           | BR GN L   | 76  | 42  | 3   | 19  | 8   | 0.1 | 195  | 0.5 | 2   | 1.80 | 170 | 33.8  | 3.3  | 0.030 | 60  | 6.8 |
| 52A | 773044 | 16              | 347730     | 5394649   | GRCK      | LT 1    | 25    | 00          | M                     |             | BR GN L   | 84  | 50  | 2   | 27  | 14  | 0.1 | 355  | 0.5 | 2   | 1.90 | 140 | 47.4  | 2.5  | 0.005 | 28  | 6.5 |
| 52A | 773045 | 16              | 343602     | 5398025   | GRNG      | POND    | 30    | 00          | M                     |             | BR GN L   | 82  | 122 | 1   | 26  | 15  | 0.1 | 700  | 1.0 | 3   | 5.20 | 160 | 40.6  | 29.6 | 0.240 | 50  | 7.1 |
| 52A | 773046 | 16              | 346500     | 5400100   | GRNG      | POND    | 20    | 70          | M                     |             | BR GN L   | 96  | 60  | 2   | 160 | 10  | 0.1 | 170  | 0.5 | 6   | 7.60 | 110 | 53.0  | 34.6 | 0.310 | 38  | 7.0 |
| 52A | 773047 | 16              | 345623     | 5400784   | GRNG      | LT 1    | 36    | 10          | M                     |             | BK GN L   | 120 | 80  | 1   | 26  | 39  | 0.1 | 1450 | 0.5 | 4   | 5.80 | 130 | 55.8  | 21.1 | 0.150 | 32  | 6.8 |
| 52A | 773048 | 16              | 345623     | 5400784   | GRNG      | LT 1    | 36    | 20          | M                     |             | BK GN L   | 166 | 90  | 3   | 31  | 24  | 0.2 | 945  | 0.5 | 4   | 2.90 | 120 | 48.4  | 21.4 | 0.060 | 40  | 7.0 |
| 52A | 773049 | 16              | 342118     | 5403665   | GRNG      | LT 1    | 11    | 00          | M                     |             | BR GN L   | 68  | 40  | 4   | 21  | 7   | 0.1 | 160  | 0.5 | 1   | 1.10 | 150 | 37.2  | 3.6  | 0.020 | 24  | 7.0 |
| 52A | 773050 | 16              | 344183     | 5405774   | GRCK      | 1-5     | 25    | 00          | M                     |             | BR GN L   | 124 | 56  | 8   | 27  | 15  | 0.1 | 660  | 1.0 | 1   | 3.05 | 210 | 38.2  | 1.8  | 0.010 | 30  | 6.5 |
| 52A | 773051 | 16              | 340758     | 5406293   | GRNG      | POND    | 22    | 00          | M                     |             | BR GN L   | 72  | 56  | 3   | 21  | 10  | 0.1 | 175  | 2.0 | 1   | 1.60 | 190 | 44.0  | 1.5  | 0.030 | 34  | 6.7 |
| 52A | 773052 | 16              | 338800     | 5407755   | GRNG      | LT 1    | 39    | 00          | M                     |             | BK GN     | 120 | 72  | 3   | 27  | 64  | 0.1 | 1000 | 0.5 | 3   | 4.15 | 190 | 56.2  | 4.1  | 0.020 | 22  | 6.2 |
| 52A | 773053 | 16              | 339545     | 5410410   | GRNG      | 1-5     | 20    | 00          | M                     |             | BR TN L   | 128 | 58  | 6   | 36  | 23  | 0.1 | 430  | 2.5 | 2   | 3.05 | 150 | 27.0  | 2.5  | 0.020 | 22  | 6.7 |
| 52A | 773054 | 16              | 341172     | 5412033   | GRNG      | 1-5     | 17    | 00          | M                     |             | BR TN L   | 112 | 34  | 3   | 27  | 23  | 0.1 | 550  | 1.5 | 1   | 3.15 | 130 | 18.4  | 2.6  | 0.010 | 22  | 6.6 |
| 52A | 773055 | 16              | 341173     | 5415492   | GRNG      | 1-5     | 15    | 00          | M                     |             | BR TN L   | 102 | 66  | 6   | 29  | 15  | 0.1 | 245  | 1.0 | 2   | 1.60 | 170 | 40.8  | 2.5  | 0.020 | 28  | 6.7 |
| 52A | 773056 | 16              | 334990     | 5415227   | GRNG      | 1-5     | 23    | 00          | M                     |             | BR GN L   | 112 | 72  | 3   | 28  | 13  | 0.1 | 655  | 1.5 | 2   | 2.75 | 150 | 41.8  | 5.0  | 0.010 | 26  | 6.6 |
| 52A | 773057 | 16              | 330442     | 5414498   | GRNG      | POND    | 14    | 00          | M                     |             | BR GN L   | 72  | 70  | 2   | 22  | 5   | 0.1 | 125  | 1.5 | 2   | 1.20 | 180 | 47.0  | 6.6  | 0.160 | 32  | 6.8 |
| 52A | 773059 | 16              | 326142     | 5412641   | GRNG      | LT 1    | 12    | 00          | M                     |             | BR GN L   | 86  | 22  | 4   | 19  | 16  | 0.1 | 520  | 1.5 | 1   | 2.05 | 120 | 17.0  | 4.9  | 0.200 | 28  | 6.7 |
| 52A | 773060 | 16              | 325590     | 5416096   | GRNG      | POND    | 6     | 00          | M                     |             | BR TN L   | 46  | 28  | 7   | 13  | 4   | 0.1 | 115  | 1.0 | 1   | 0.80 | 130 | 44.8  | 3.1  | 0.050 | 20  | 6.7 |
| 52A | 773062 | 16              | 320467     | 5415313   | GRNG      | POND    | 28    | 00          | M                     |             | BR GN L   | 96  | 52  | 1   | 31  | 32  | 0.1 | 410  | 6.5 | 1   | 2.95 | 130 | 52.2  | 2.8  | 0.010 | 20  | 6.4 |
| 52A | 773063 | 16              | 320564     | 5410928   | GRNG      | POND    | 5     | 00          | M                     |             | BR GN L   | 86  | 32  | 2   | 22  | 6   | 0.1 | 80   | 1.5 | 2   | 1.20 | 150 | 28.6  | 2.7  | 0.010 | 20  | 5.9 |
| 52A | 773064 | 16              | 315167     | 5408649   | GRNG      | GT 5    | 11    | 00          | M                     |             | BK BR L   | 46  | 36  | 7   | 14  | 3   | 0.1 | 215  | 2.0 | 1   | 0.90 | 120 | 57.8  | 9.5  | 0.030 | 40  | 7.2 |
| 52A | 773065 | 16              | 316730     | 5418109   | GRNG      | POND    | 42    | 00          | M                     |             | BR GN L   | 110 | 72  | 1   | 28  | 17  | 0.1 | 740  | 2.0 | 2   | 2.75 | 120 | 63.0  | 9.7  | 0.020 | 22  | 6.7 |
| 52A | 773066 | 16              | 318358     | 5422205   | GRNG      | LT 1    | 16    | 00          | M                     |             | BR GN L   | 76  | 34  | 1   | 21  | 10  | 0.2 | 250  | 1.0 | 1   | 1.30 | 200 | 45.0  | 6.7  | 0.090 | 36  | 6.7 |
| 52A | 773068 | 16              | 320641     | 5421424   | GRNG      | LT 1    | 10    | 00          | M                     |             | BR GN L   | 82  | 34  | 3   | 25  | 8   | 0.1 | 135  | 1.0 | 2   | 1.25 | 240 | 44.6  | 3.2  | 0.010 | 24  | 6.5 |
| 52A | 773069 | 16              | 319996     | 5419211   | GRNG      | LT 1    | 18    | 00          | M                     |             | BR GN L   | 122 | 72  | 2   | 44  | 17  | 0.1 | 405  | 0.5 | 2   | 2.20 | 170 | 48.8  | 6.1  | 0.005 | 22  | 6.8 |
| 52A | 773070 | 16              | 322368     | 5417275   | GRNG      | LT 1    | 23    | 70          | M                     |             | BR GN L   | 108 | 54  | 2   | 30  | 15  | 0.2 | 385  | 6.0 | 2   | 1.55 | 120 | 47.6  | 4.2  | 0.020 | 20  | 6.3 |
| 52A | 773071 | 16              | 323425     | 5418475   | GRNG      | 1-5     | 51    | 10          | M                     |             | BR GN L   | 114 | 70  | 3   | 31  | 12  | 0.1 | 615  | 6.5 | 1   | 2.05 | 110 | 47.6  | 1.3  | 0.005 | 10  | 6.8 |
| 52A | 773072 | 16              | 323425     | 5418475   | GRNG      | 1-5     | 48    | 20          | M                     |             | BR GN L   | 122 | 68  | 2   | 34  | 16  | 0.1 | 755  | 7.0 | 2   | 2.20 | 110 | 49.4  | 1.6  | 0.005 | 28  | 6.9 |
| 52A | 773073 | 16              | 328681     | 5417777   | GRNG      | POND    | 20    | 00          | M                     |             | BR TN L   | 68  | 42  | 2   | 18  | 7   | 0.2 | 195  | 3.0 | 2   | 1.35 | 170 | 43.8  | 4.2  | 0.130 | 32  | 6.7 |
| 52A | 773074 | 16              | 332167     | 5418006   | GRNG      | LT 1    | 13    | 00          | M                     |             | BR GN L   | 64  | 44  | 2   | 21  | 7   | 0.1 | 195  | 2.5 | 1   | 1.10 | 140 | 41.4  | 4.0  | 0.080 | 24  | 6.7 |
| 52A | 773075 | 16              | 335499     | 5417541   | GRNG      | 1-5     | 13    | 00          | M                     |             | BR GN L   | 116 | 46  | 1   | 25  | 15  | 0.1 | 575  | 3.5 | 1   | 4.30 | 90  | 29.4  | 4.9  | 0.010 | 22  | 6.9 |
| 52A | 773076 | 16              | 339081     | 5419909   | GRNG      | LT 1    | 10    | 00          | M                     |             | BR GN L   | 88  | 52  | 1   | 22  | 13  | 0.1 | 280  | 1.5 | 2   | 2.65 | 90  | 42.8  | 17.7 | 0.510 | 42  | 6.5 |
| 52A | 773077 | 16              | 342792     | 5416905   | GRNG      | 1-5     | 29    | 00          | M                     |             | BR GN L   | 144 | 48  | 2   | 31  | 46  | 0.1 | 1100 | 1.5 | 3   | 5.75 | 120 | 34.0  | 6.2  | 0.110 | 26  | 6.8 |
| 52A | 773078 | 16              | 346342     | 5410772   | GRNG      | GT 5    | 27    | 00          | M                     | 1           | BR GN L   | 116 | 56  | 3   | 30  | 17  | 0.1 | 405  | 0.5 | 2   | 2.40 | 170 | 42.6  | 1.6  | 0.005 | 32  | 6.8 |
| 52A | 773079 | 16              | 347336     | 5408864   | GRNG      | LT 1    | 14    | 00          | M                     |             | BR TN L   | 78  | 60  | 2   | 25  | 8   | 0.1 | 255  | 0.5 | 1   | 0.95 | 120 | 49.4  | 1.4  | 0.005 | 38  | 7.1 |
| 52A | 773080 | 16              | 344384     | 5407986   | GRNG      | 1-5     | 22    | 00          | M                     |             | BR GN L   | 110 | 54  | 2   | 31  | 21  | 0.1 | 905  | 1.0 | 2   | 3.05 | 130 | 43.4  | 1.7  | 0.005 | 28  | 6.8 |
| 52A | 773082 | 16              | 347660     | 5404935   | GRNG      | POND    | 12    | 00          | M                     |             | BR GN L   | 92  | 56  | 5   | 24  | 9   | 0.1 | 150  | 2.5 | 1   | 0.95 | 140 | 49.8  | 3.7  | 0.005 | 34  | 6.5 |
| 52A | 773083 | 16              | 354037     | 5404480   | GRNG      | 1-5     | 20    | 00          | M                     |             | BR GN L   | 102 | 18  | 1   | 20  | 26  | 0.1 | 430  | 2.0 | 2   | 2.25 | 40  | 11.2  | 2.0  | 0.005 | 26  | 6.9 |
| 52A | 773084 | 16              | 349824     | 5401570   | GRNG      | LT 1    | 19    | 00          | M                     |             | BR TN L   | 140 | 50  | 3   | 28  | 23  | 0.1 | 590  | 1.5 | 3   | 2.20 | 130 | 48.8  | 5.0  | 0.020 | 40  | 7.2 |
| 52A | 773085 | 16              | 352428     | 5401031   | GRNG      | POND    | 14    | 00          | M                     |             | BR GN L   | 42  | 30  | 1   | 13  | 5   | 0.2 | 125  | 4.0 | 1   | 0.70 | 70  | 52.4  | 4.6  | 0.010 | 40  | 7.5 |
| 52A | 773086 | 16              | 354973     | 5399757   | GRCK      | POND    | 10    | 00          | M                     |             | BR GN L   | 56  | 28  | 6   | 18  | 4   | 0.1 | 105  | 1.0 | 1   | 0.55 | 70  | 43.8  | 2.7  | 0.010 | 30  | 7.5 |
| 52A | 773087 | 16              | 354910     | 5397992   | GRCK      | LT 1    | 12    | 00          | M                     |             | BR GN L   | 96  | 44  | 6   | 26  | 8   | 0.1 | 220  | 7.0 | 1   | 1.40 | 90  | 55.0  | 3.2  | 0.010 | 38  | 7.3 |
| 52A | 773088 | 16              | 353029     | 5398178   | GRCK      | POND    | 7     | 70          | M                     |             | BR GN L   | 68  | 46  | 5   | 22  | 6   | 0.1 | 145  | 1.0 | 1   | 0.60 | 120 | 51.0  | 8.1  | 0.010 | 42  | 7.5 |
| 52A | 773089 | 16              | 352330     | 5395242   | GRCK      | POND    | 7     | 10          | M                     |             | BR GN L   | 60  | 38  | 6   | 23  | 5   | 0.1 | 75   | 1.0 | 1   | 0.50 | 120 | 47.2  | 1.2  | 0.010 | 34  | 7.0 |
| 52A | 773090 | 16              | 352330     | 5395242   | GRCK      | POND    | 8     | 20          | M                     |             | BR GN L   | 56  | 40  | 5   | 22  | 4   | 0.1 | 65   | 0.5 | 1   | 0.45 | 110 | 47.4  | 1.7  | 0.005 | 36  | 6.9 |
| 52A | 773091 | 16              | 351795     | 5392102   | GRCK      | POND    | 7     | 00          | M                     |             | BR GN L   | 24  | 20  | 2   | 10  | 3   | 0.1 | 40   | 0.5 | 1   | 0.35 | 70  | 50.8  | 3.9  | 0.010 | 52  | 6.8 |
| 52A | 773092 | 16              | 355560     | 5391983   | GRNG      | POND    | 14    | 00          | M                     |             | BR GN L   | 56  | 36  | 5   | 15  | 4   | 0.1 | 125  | 1.0 | 1   | 0.80 | 160 | 44.2  | 7.6  | 0.080 | 46  | 7.0 |
| 52A | 773093 | 16              | 355609     | 5389138   | GRNG      | POND    | 5     | 00          | M                     |             | BR GN L   | 84  | 36  | 6   | 20  | 7   | 0.1 | 220  | 0.5 | 1   | 1.10 | 100 | 33.6  | 13.4 | 0.120 | 46  | 7.0 |
| 52A | 773094 | 16              | 352622     | 5378219   | GRNG      | POND    | 10    | 00          | M                     |             | BR GN L   | 76  | 20  | 4   | 6   | 1   | 0.1 | 40   | 0.5 | 2   | 0.20 | 90  | 74.4  | 13.7 | 0.160 | 64  | 7.0 |



| MAP | SAMPLE | UTM COORDINATES |        |         | ROCK<br>TYPE | LAKE<br>AREA | SMP<br>DTH | RP<br>ST | R<br>E<br>G<br>I<br>O<br>N |   |   | SAMP<br>COLOR | S<br>U<br>P | ZN | CU | PB | NI | CO  | AG   | MN  | AS | MO   | FE  | HG   | LOI  | U     | U-W | F-W | PH |
|-----|--------|-----------------|--------|---------|--------------|--------------|------------|----------|----------------------------|---|---|---------------|-------------|----|----|----|----|-----|------|-----|----|------|-----|------|------|-------|-----|-----|----|
|     |        | ZN              | EAST   | NORTH   |              |              |            |          | F                          | L | T |               |             |    |    |    |    |     |      |     |    |      |     |      |      |       |     |     |    |
| 52A | 773096 | 16              | 351059 | 5382654 | GRNG         | POND         | 7          | 00       | M                          |   |   | BR GN L       | 58          | 30 | 7  | 16 | 5  | 0.1 | 85   | 1.0 | 1  | 0.55 | 120 | 39.2 | 2.8  | 0.030 | 30  | 6.7 |    |
| 52A | 773097 | 16              | 354826 | 5384221 | GRNT         | POND         | 11         | 00       | M                          |   |   | BR GN L       | 50          | 40 | 2  | 15 | 6  | 0.1 | 65   | 1.0 | 2  | 0.65 | 80  | 48.8 | 16.3 | 0.120 | 52  | 7.0 |    |
| 52A | 773098 | 16              | 356305 | 5385309 | GRNT         | POND         | 10         | 00       | M                          |   |   | BR GN L       | 74          | 46 | 6  | 22 | 5  | 0.2 | 95   | 1.0 | 1  | 0.65 | 140 | 41.4 | 8.2  | 0.030 | 44  | 6.8 |    |
| 52A | 773099 | 16              | 358850 | 5383551 | BEXV         | POND         | 16         | 00       | M                          |   |   | BR GN L       | 92          | 60 | 5  | 20 | 7  | 0.1 | 135  | 1.0 | 1  | 0.80 | 50  | 44.6 | 2.2  | 0.010 | 30  | 7.1 |    |
| 52A | 773100 | 16              | 361262 | 5387567 | BEXV         | POND         | 4          | 00       | M                          |   |   | BR GN L       | 110         | 56 | 23 | 27 | 8  | 0.1 | 175  | 1.5 | 1  | 1.50 | 120 | 49.6 | 4.9  | 0.020 | 38  | 6.9 |    |
| 52A | 773102 | 16              | 360674 | 5388282 | BEXV         | POND         | 19         | 00       | M                          |   |   | BR GN L       | 48          | 46 | 4  | 12 | 3  | 0.1 | 45   | 2.5 | 2  | 0.30 | 140 | 41.4 | 21.1 | 0.030 | 42  | 6.9 |    |
| 52A | 773103 | 16              | 362741 | 5389958 | BEXV         | LT 1         | 7          | 70       | M                          |   |   | BR GN         | 84          | 40 | 10 | 26 | 8  | 0.2 | 70   | 1.0 | 2  | 0.65 | 120 | 45.0 | 2.0  | 0.005 | 34  | 6.6 |    |
| 52A | 773104 | 16              | 361688 | 5391162 | BEXV         | LT 1         | 5          | 10       | M                          |   |   | BR GN         | 80          | 32 | 7  | 22 | 6  | 0.2 | 110  | 0.5 | 1  | 0.65 | 110 | 47.2 | 7.3  | 0.040 | 40  | 6.3 |    |
| 52A | 773105 | 16              | 361688 | 5391162 | BEXV         | LT 1         | 5          | 20       | M                          |   |   | BR GN         | 76          | 32 | 6  | 20 | 5  | 0.1 | 100  | 1.0 | 1  | 0.60 | 120 | 47.0 | 7.4  | 0.190 | 30  | 6.3 |    |
| 52A | 773106 | 16              | 358220 | 5392059 | GRNT         | POND         | 8          | 00       | M                          |   |   | BR GN         | 52          | 22 | 8  | 11 | 4  | 0.1 | 80   | 1.0 | 1  | 0.60 | 100 | 34.0 | 2.8  | 0.050 | 52  | 6.4 |    |
| 52A | 773108 | 16              | 358391 | 5397419 | GRCK         | LT 1         | 10         | 00       | M                          |   |   | BR GN         | 106         | 38 | 7  | 26 | 12 | 0.1 | 135  | 2.0 | 1  | 0.95 | 110 | 50.0 | 3.4  | 0.020 | 26  | 6.3 |    |
| 52A | 773109 | 16              | 362028 | 5397108 | GRNT         | POND         | 25         | 00       | M                          |   |   | BR GN         | 74          | 54 | 4  | 20 | 5  | 0.2 | 70   | 0.5 | 2  | 0.60 | 140 | 46.8 | 4.7  | 0.040 | 64  | 6.4 |    |
| 52A | 773110 | 16              | 366300 | 5396792 | GRNT         | POND         | 9          | 00       | M                          |   |   | BR GN         | 52          | 30 | 4  | 13 | 3  | 0.1 | 30   | 1.0 | 2  | 0.40 | 90  | 37.8 | 21.7 | 0.720 | 36  | 7.0 |    |
| 52A | 773111 | 16              | 366177 | 5399505 | GRNT         | LT 1         | 55         | 00       | H                          |   |   | BR GN         | 130         | 76 | 6  | 22 | 19 | 0.4 | 480  | 1.0 | 5  | 3.15 | 120 | 54.0 | 36.0 | 0.320 | 32  | 6.9 |    |
| 52A | 773112 | 16              | 362053 | 5401851 | GRCK         | LT 1         | 15         | 00       | M                          |   |   | BR GN         | L 205       | 62 | 6  | 30 | 18 | 0.1 | 160  | 1.0 | 3  | 1.40 | 90  | 57.8 | 11.6 | 0.005 | 38  | 6.8 |    |
| 52A | 773113 | 16              | 358437 | 5401876 | GRCK         | POND         | 28         | 00       | M                          |   |   | BR GN         | L 80        | 36 | 3  | 18 | 5  | 0.1 | 145  | 0.5 | 1  | 1.00 | 150 | 40.6 | 6.0  | 0.090 | 32  | 6.5 |    |
| 52A | 773114 | 16              | 356973 | 5403623 | GRNT         | 1-5          | 22         | 00       | M                          |   |   | BR GN         | L 160       | 46 | 5  | 32 | 25 | 0.1 | 650  | 4.0 | 2  | 2.65 | 110 | 38.2 | 7.3  | 0.010 | 28  | 6.7 |    |
| 52A | 773115 | 16              | 359105 | 5404006 | GRNT         | LT 1         | 19         | 00       | M                          |   |   | BR GN         | L 98        | 34 | 5  | 21 | 13 | 0.1 | 170  | 1.0 | 2  | 1.15 | 80  | 51.0 | 6.8  | 0.020 | 38  | 6.5 |    |
| 52A | 773116 | 16              | 366403 | 5405805 | GRNT         | POND         | 30         | 00       | M                          |   |   | BR GN         | L 120       | 54 | 4  | 20 | 14 | 0.1 | 385  | 1.0 | 1  | 1.70 | 110 | 61.8 | 4.7  | 0.010 | 30  | 6.4 |    |
| 52A | 773117 | 16              | 368098 | 5408856 | SMRK         | POND         | 9          | 00       | M                          |   |   | BR GN         | L 132       | 34 | 8  | 25 | 9  | 0.2 | 115  | 0.5 | 1  | 0.75 | 80  | 60.0 | 4.0  | 0.010 | 28  | 6.2 |    |
| 52A | 773118 | 16              | 362041 | 5407429 | GRNT         | POND         | 8          | 00       | M                          |   |   | BR GN         | L 82        | 20 | 11 | 21 | 10 | 0.1 | 220  | 0.5 | 1  | 1.30 | 90  | 42.2 | 3.7  | 0.030 | 46  | 6.1 |    |
| 52A | 773119 | 16              | 358818 | 5407750 | GRNT         | LT 1         | 11         | 00       | M                          |   |   | BK GN         | L 66        | 28 | 5  | 17 | 6  | 0.1 | 95   | 1.5 | 2  | 0.75 | 110 | 41.8 | 2.0  | 0.010 | 36  | 6.4 |    |
| 52A | 773120 | 16              | 356712 | 5407716 | GRNT         | LT 1         | 9          | 00       | M                          |   |   | BR GN         | L 58        | 28 | 6  | 18 | 7  | 0.1 | 145  | 0.5 | 2  | 0.80 | 100 | 52.0 | 1.5  | 0.005 | 34  | 6.4 |    |
| 52A | 773122 | 16              | 353690 | 5409619 | GRNT         | POND         | 15         | 00       | M                          |   |   | BR GN         | L 144       | 76 | 5  | 27 | 11 | 0.2 | 210  | 3.0 | 3  | 1.35 | 190 | 50.6 | 1.8  | 0.005 | 26  | 6.8 |    |
| 52A | 773123 | 16              | 349173 | 5410346 | GRNG         | LT 1         | 7          | 00       | M                          |   |   | BR GN         | L 82        | 46 | 4  | 24 | 13 | 0.1 | 150  | 1.0 | 3  | 1.00 | 90  | 21.4 | 1.2  | 0.005 | 26  | 6.5 |    |
| 52A | 773124 | 16              | 349605 | 5414259 | GRNG         | POND         | 9          | 00       | M                          |   |   | BR GN         | L 112       | 44 | 8  | 22 | 14 | 0.1 | 310  | 2.0 | 2  | 1.35 | 160 | 38.0 | 1.9  | 0.005 | 42  | 6.7 |    |
| 52A | 773125 | 16              | 344625 | 5417782 | GRNG         | 1-5          | 10         | 00       | M                          |   |   | BR GN         | L 126       | 40 | 8  | 32 | 16 | 0.1 | 355  | 2.0 | 3  | 2.05 | 160 | 31.0 | 5.4  | 0.140 | 30  | 6.8 |    |
| 52A | 773127 | 16              | 341436 | 5420468 | GRNG         | POND         | 7          | 00       | M                          |   |   | BR GN         | L 62        | 48 | 6  | 23 | 8  | 0.1 | 190  | 1.0 | 2  | 0.80 | 100 | 45.8 | 25.6 | 0.450 | 56  | 6.3 |    |
| 52A | 773128 | 16              | 338922 | 5421702 | GRNG         | LT 1         | 12         | 70       | M                          |   |   | BR GN         | L 80        | 66 | 3  | 24 | 10 | 0.1 | 175  | 1.5 | 1  | 1.30 | 160 | 47.6 | 5.8  | 0.080 | 34  | 6.4 |    |
| 52A | 773129 | 16              | 339034 | 5422767 | GRNG         | 1-5          | 31         | 10       | M                          |   |   | BR GN         | L 132       | 74 | 5  | 25 | 16 | 0.1 | 450  | 1.0 | 1  | 2.25 | 130 | 43.2 | 8.2  | 0.150 | 40  | 6.8 |    |
| 52A | 773130 | 16              | 339034 | 5422767 | GRNG         | 1-5          | 33         | 20       | M                          |   |   | BR GN         | L 134       | 74 | 4  | 25 | 16 | 0.1 | 465  | 1.0 | 2  | 2.40 | 130 | 41.2 | 7.8  | 0.140 | 42  | 6.7 |    |
| 52A | 773131 | 16              | 334701 | 5423333 | GRNG         | GT 5         | 37         | 00       | M                          |   |   | BR GY         | L 82        | 36 | 2  | 25 | 21 | 0.2 | 755  | 1.0 | 2  | 3.40 | 20  | 2.6  | 4.0  | 0.090 | 32  | 6.8 |    |
| 52A | 773132 | 16              | 330317 | 5421759 | GRNG         | GT 5         | 30         | 00       | M                          |   |   | BR GN         | L 124       | 60 | 5  | 28 | 13 | 0.1 | 335  | 4.5 | 2  | 2.00 | 160 | 41.2 | 5.0  | 0.010 | 32  | 6.7 |    |
| 52A | 773133 | 16              | 327997 | 5422090 | GRNG         | LT 1         | 17         | 00       | M                          |   |   | BR GN         | L 72        | 18 | 2  | 19 | 15 | 0.1 | 225  | 3.0 | 2  | 1.75 | 80  | 12.4 | 1.5  | 0.010 | 36  | 6.5 |    |
| 52A | 773134 | 16              | 325454 | 5424699 | GRNG         | LT 1         | 10         | 00       | M                          |   |   | BR GN         | L 80        | 34 | 5  | 21 | 7  | 0.1 | 120  | 0.5 | 1  | 0.90 | 140 | 46.8 | 2.6  | 0.010 | 28  | 6.1 |    |
| 52A | 773135 | 16              | 321679 | 5425887 | GRNG         | LT 1         | 10         | 00       | M                          |   |   | BR GN         | L 158       | 48 | 4  | 26 | 13 | 0.2 | 145  | 2.5 | 4  | 2.80 | 80  | 51.0 | 17.4 | 0.020 | 40  | 6.7 |    |
| 52A | 773136 | 16              | 316193 | 5425385 | GRNG         | LT 1         | 11         | 00       | M                          |   |   | BR GN         | L 106       | 56 | 9  | 34 | 19 | 0.1 | 430  | 0.5 | 1  | 2.10 | 170 | 39.0 | 4.0  | 0.010 | 42  | 6.5 |    |
| 52A | 773137 | 16              | 314256 | 5420690 | GRNG         | POND         | 7          | 00       | M                          |   |   | BR GN         | L 62        | 64 | 4  | 20 | 6  | 0.1 | 100  | 0.5 | 1  | 0.65 | 130 | 44.8 | 2.3  | 0.020 | 34  | 7.0 |    |
| 52A | 773138 | 16              | 309941 | 5416321 | GRNG         | POND         | 6          | 00       | M                          |   |   | BR GN         | L 74        | 48 | 2  | 25 | 10 | 0.1 | 240  | 0.5 | 1  | 2.30 | 120 | 25.6 | 3.9  | 0.010 | 34  | 7.0 |    |
| 52A | 773139 | 16              | 309559 | 5412228 | GRNG         | GT 5         | 4          | 00       | M                          |   |   | BR GY         | L 38        | 28 | 1  | 19 | 11 | 0.1 | 235  | 0.5 | 1  | 2.20 | 50  | 5.2  | 1.1  | 0.020 | 42  | 7.0 |    |
| 52A | 773140 | 16              | 308244 | 5407833 | GRNG         | LT 1         | 10         | 00       | M                          |   |   | BR TN         | L 56        | 92 | 2  | 27 | 9  | 0.1 | 155  | 0.5 | 2  | 0.90 | 170 | 46.2 | 6.7  | 0.010 | 28  | 7.0 |    |
| 52A | 773142 | 16              | 307577 | 5405881 | GRNG         | 1-5          | 8          | 00       | M                          |   |   | BR GY         | L 98        | 50 | 8  | 24 | 12 | 0.1 | 265  | 0.5 | 2  | 1.90 | 100 | 34.0 | 6.3  | 0.010 | 30  | 6.7 |    |
| 52A | 773143 | 16              | 306730 | 5404871 | GRNG         | LT 1         | 13         | 70       | M                          |   |   | BR GN         | L 96        | 90 | 1  | 29 | 13 | 0.1 | 230  | 0.5 | 4  | 2.45 | 100 | 35.8 | 27.1 | 0.060 | 38  | 6.9 |    |
| 52A | 773144 | 16              | 306575 | 5403821 | GRNG         | POND         | 22         | 10       | M                          |   |   | BR GN         | L 92        | 54 | 2  | 16 | 11 | 0.1 | 195  | 0.5 | 1  | 0.95 | 120 | 53.0 | 10.4 | 0.020 | 42  | 6.6 |    |
| 52A | 773145 | 16              | 306575 | 5403821 | GRNG         | POND         | 19         | 20       | M                          |   |   | BR GN         | L 66        | 50 | 1  | 14 | 9  | 0.1 | 155  | 0.5 | 2  | 0.55 | 120 | 46.6 | 10.6 | 0.020 | 26  | 6.5 |    |
| 52A | 773147 | 16              | 306617 | 5401969 | GRNG         | POND         | 18         | 00       | M                          |   |   | BR TN         | L 56        | 22 | 8  | 9  | 5  | 0.1 | 145  | 0.5 | 2  | 1.00 | 130 | 51.6 | 2.2  | 0.005 | 36  | 6.5 |    |
| 52A | 773148 | 16              | 316204 | 5399184 | GRNG         | LT 1         | 15         | 00       | M                          |   |   | BR TN         | L 98        | 48 | 3  | 24 | 10 | 0.1 | 150  | 0.5 | 1  | 1.45 | 90  | 43.2 | 3.6  | 0.005 | 28  | 6.7 |    |
| 52A | 773149 | 16              | 317648 | 5398061 | GRNG         | LT 1         | 25         | 00       | M                          |   |   | BR TN         | L 96        | 58 | 2  | 17 | 11 | 0.1 | 275  | 2.0 | 3  | 1.70 | 170 | 46.0 | 11.1 | 0.200 | 38  | 6.8 |    |
| 52A | 773150 | 16              | 319662 | 5396737 | GRNG         | POND         | 10         | 00       | M                          |   |   | BR TN         | L 76        | 44 | 5  | 20 | 8  | 0.1 | 165  | 0.5 | 2  | 0.75 | 130 | 56.4 | 5.5  | 0.005 | 42  | 6.8 |    |
| 52A | 773151 | 16              | 317865 | 5394332 | GRNG         | 1-5          | 65         | 00       | M                          |   |   | BR GN         | L 158       | 88 | 2  | 42 | 26 | 0.1 | 2300 | 0.5 | 9  | 5.25 | 100 | 30.4 | 43.1 | 0.380 | 34  | 7.2 |    |

| MAP | SAMPLE | UTM COORDINATES |        |         | ROCK<br>TYPE | LAKE<br>AREA | SMP<br>DTH | RP<br>ST | R<br>E<br>G<br>I<br>O<br>N |   |         | SAMP<br>COLOR | S<br>U<br>P | ZN  | CU | PB | NI  | CO   | AG  | MN | AS   | MO  | FE   | HG   | LOI   | U  | U-W | F-W | PH |
|-----|--------|-----------------|--------|---------|--------------|--------------|------------|----------|----------------------------|---|---------|---------------|-------------|-----|----|----|-----|------|-----|----|------|-----|------|------|-------|----|-----|-----|----|
|     |        | ZN              | EAST   | NORTH   |              |              |            |          | F                          | L | T       |               |             |     |    |    |     |      |     |    |      |     |      |      |       |    |     |     |    |
| 52A | 773152 | 16              | 318736 | 5393351 | GRNG         | LT 1         | 25         | 00       | M                          |   | BR GN L | 126           | 54          | 4   | 20 | 12 | 0.1 | 370  | 0.5 | 4  | 1.35 | 120 | 54.4 | 11.9 | 0.010 | 36 | 6.5 |     |    |
| 52A | 773153 | 16              | 321112 | 5390869 | GRNG         | GT 5         | 30         | 00       | M                          |   | BR GN L | 144           | 44          | 7   | 24 | 19 | 0.1 | 600  | 1.5 | 3  | 5.00 | 170 | 29.8 | 9.6  | 0.100 | 46 | 6.8 |     |    |
| 52A | 773154 | 16              | 324134 | 5388476 | GRNG         | 1-5          | 12         | 00       | M                          | 1 | BR GN L | 68            | 16          | 6   | 11 | 11 | 0.1 | 245  | 0.5 | 2  | 2.95 | 70  | 7.6  | 2.5  | 0.030 | 48 | 6.9 |     |    |
| 52A | 773155 | 16              | 324751 | 5387829 | GRNG         | 1-5          | 18         | 00       | M                          | 1 | BR TN L | 96            | 48          | 6   | 24 | 17 | 0.1 | 345  | 0.5 | 2  | 3.15 | 120 | 24.2 | 5.1  | 0.060 | 52 | 6.8 |     |    |
| 52A | 773156 | 16              | 327561 | 5386678 | GRCK         | 1-5          | 45         | 00       | M                          | 1 | BK GN L | 158           | 48          | 2   | 21 | 52 | 0.1 | 1400 | 0.5 | 2  | 7.80 | 150 | 54.2 | 2.0  | 0.010 | 42 | 6.6 |     |    |
| 52A | 773157 | 16              | 365855 | 5389928 | GRNT         | POND         | 10         | 00       | M                          |   | BR TN L | 82            | 54          | 6   | 17 | 7  | 0.1 | 105  | 0.5 | 1  | 0.50 | 120 | 47.2 | 3.4  | 0.005 | 30 | 6.4 |     |    |
| 52A | 773158 | 16              | 365879 | 5392827 | GRNT         | LT 1         | 46         | 00       | M                          |   | BR GY L | 94            | 62          | 8   | 20 | 10 | 0.1 | 285  | 0.5 | 2  | 1.20 | 180 | 36.2 | 28.0 | 0.240 | 32 | 6.6 |     |    |
| 52A | 773159 | 16              | 369021 | 5396643 | GRNT         | LT 1         | 16         | 00       | M                          |   | BR GN L | 132           | 46          | 4   | 21 | 12 | 0.1 | 90   | 0.5 | 3  | 0.75 | 120 | 60.0 | 17.9 | 0.030 | 34 | 6.4 |     |    |
| 52A | 773160 | 16              | 369819 | 5399347 | GRNT         | 1-5          | 26         | 00       | M                          |   | BR TN L | 100           | 26          | 2   | 19 | 12 | 0.1 | 305  | 0.5 | 2  | 1.90 | 110 | 18.2 | 4.0  | 0.300 | 36 | 6.6 |     |    |
| 52A | 773162 | 16              | 370136 | 5403900 | GRNT         | POND         | 35         | 00       | M                          |   | BR GN L | 106           | 28          | 7   | 15 | 8  | 0.1 | 145  | 0.5 | 3  | 1.05 | 150 | 45.4 | 18.4 | 0.540 | 68 | 6.2 |     |    |
| 52A | 773163 | 16              | 373841 | 5407625 | DIBS         | LT 1         | 52         | 00       | M                          |   | BR GN L | 162           | 106         | 15  | 24 | 11 | 0.1 | 320  | 0.5 | 2  | 2.90 | 80  | 40.2 | 2.8  | 0.010 | 26 | 7.3 |     |    |
| 52A | 773164 | 16              | 373925 | 5404060 | GRNT         | POND         | 6          | 00       | M                          |   | BR GN L | 52            | 26          | 7   | 13 | 4  | 0.1 | 70   | 0.5 | 2  | 0.40 | 100 | 32.6 | 7.5  | 0.360 | 46 | 6.9 |     |    |
| 52A | 773166 | 16              | 373199 | 5401411 | GRCK         | LT 1         | 10         | 70       | M                          |   | BR GN L | 98            | 66          | 4   | 26 | 11 | 0.1 | 90   | 0.5 | 1  | 0.75 | 140 | 46.8 | 1.8  | 0.005 | 24 | 6.6 |     |    |
| 52A | 773167 | 16              | 374208 | 5401188 | SMRK         | LT 1         | 55         | 10       | M                          |   | BR GN L | 136           | 112         | 3   | 21 | 10 | 0.1 | 775  | 0.5 | 2  | 3.00 | 100 | 40.0 | 6.4  | 0.005 | 26 | 7.5 |     |    |
| 52A | 773168 | 16              | 374208 | 5401188 | SMRK         | LT 1         | 75         | 20       | M                          |   | BR GN L | 110           | 112         | 3   | 17 | 9  | 0.1 | 370  | 0.5 | 2  | 1.55 | 130 | 42.6 | 4.9  | 0.005 | 38 | 7.5 |     |    |
| 52A | 773169 | 16              | 375235 | 5397861 | DIBS         | LT 1         | 27         | 00       | M                          |   | BR GY L | 132           | 42          | 17  | 14 | 7  | 0.1 | 355  | 0.5 | 2  | 1.55 | 110 | 32.6 | 18.9 | 0.110 | 34 | 7.3 |     |    |
| 52A | 773170 | 16              | 374265 | 5392524 | GRNT         | LT 1         | 6          | 00       | H                          |   | BR TN L | 100           | 48          | 9   | 16 | 5  | 0.1 | 60   | 0.5 | 2  | 0.55 | 110 | 42.8 | 13.0 | 0.380 | 44 | 7.2 |     |    |
| 52A | 773171 | 16              | 371362 | 5392248 | GRNT         | LT 1         | 30         | 00       | H                          |   | BR GN L | 118           | 48          | 7   | 19 | 12 | 0.1 | 565  | 0.5 | 4  | 1.80 | 140 | 43.6 | 27.3 | 0.260 | 42 | 6.8 |     |    |
| 52A | 773172 | 16              | 372227 | 5390466 | GRNT         | LT 1         | 33         | 00       | H                          |   | BR TN L | 66            | 52          | 8   | 17 | 7  | 0.1 | 260  | 0.5 | 1  | 1.45 | 90  | 27.0 | 8.0  | 0.320 | 34 | 7.6 |     |    |
| 52A | 773173 | 16              | 373364 | 5390937 | GRNT         | POND         | 8          | 00       | M                          |   | BR GN L | 92            | 54          | 8   | 15 | 5  | 0.1 | 115  | 0.5 | 1  | 0.60 | 120 | 50.4 | 3.7  | 0.020 | 54 | 7.5 |     |    |
| 52A | 773174 | 16              | 377626 | 5392815 | GRNT         | LT 1         | 7          | 00       | M                          |   | BR GN L | 140           | 46          | 9   | 13 | 5  | 0.1 | 150  | 0.5 | 1  | 0.90 | 110 | 39.2 | 15.4 | 0.250 | 42 | 7.4 |     |    |
| 52A | 773175 | 16              | 377481 | 5397406 | GRNT         | POND         | 35         | 00       | H                          |   | BK GN L | 156           | 54          | 18  | 15 | 28 | 0.2 | 745  | 0.5 | 5  | 3.45 | 160 | 55.6 | 38.4 | 0.210 | 32 | 7.3 |     |    |
| 52A | 773176 | 16              | 380146 | 5399084 | GRNT         | POND         | 10         | 00       | M                          |   | BR GN L | 84            | 44          | 6   | 16 | 7  | 0.1 | 85   | 0.5 | 1  | 0.50 | 120 | 45.6 | 8.6  | 0.170 | 36 | 6.8 |     |    |
| 52A | 773177 | 16              | 379052 | 5400061 | GRNT         | POND         | 9          | 00       | M                          |   | BR GN L | 114           | 42          | 5   | 17 | 8  | 0.1 | 110  | 0.5 | 1  | 1.00 | 90  | 48.2 | 3.2  | 0.020 | 46 | 7.1 |     |    |
| 52A | 773178 | 16              | 377701 | 5404055 | SMRK         | POND         | 9          | 00       | H                          |   | BR YL L | 60            | 200         | 2   | 24 | 5  | 0.1 | 40   | 0.5 | 5  | 0.35 | 210 | 53.4 | 8.5  | 0.090 | 30 | 7.3 |     |    |
| 52A | 773179 | 16              | 380071 | 5405828 | DIBS         | POND         | 22         | 00       | H                          |   | BR GN L | 142           | 96          | 6   | 15 | 10 | 0.1 | 430  | 0.5 | 1  | 1.85 | 160 | 50.4 | 1.8  | 0.005 | 20 | 7.2 |     |    |
| 52A | 773180 | 16              | 379540 | 5406567 | DIBS         | POND         | 8          | 00       | H                          |   | BR GN L | 64            | 38          | 7   | 14 | 5  | 0.1 | 80   | 0.5 | 1  | 0.40 | 110 | 48.0 | 0.9  | 0.005 | 32 | 6.2 |     |    |
| 52A | 773182 | 16              | 380390 | 5406509 | SMRK         | POND         | 83         | 00       | H                          |   | BK GN L | 118           | 240         | 166 | 27 | 26 | 0.2 | 560  | 0.5 | 4  | 2.95 | 190 | 45.2 | 5.5  | 0.020 | 20 | 7.4 |     |    |
| 52A | 773183 | 16              | 378213 | 5410020 | SMRK         | LT 1         | 33         | 00       | H                          |   | BR GN L | 510           | 152         | 10  | 16 | 10 | 0.1 | 140  | 0.5 | 1  | 0.90 |     | 46.2 | 5.3  | 0.140 | 36 | 7.5 |     |    |
| 52A | 773184 | 16              | 380627 | 5412923 | GRNT         | 1-5          | 20         | 00       | H                          |   | BR TN L | 98            | 16          | 5   | 14 | 15 | 0.1 | 300  | 1.0 | 1  | 1.95 | 100 | 6.2  | 1.9  | 0.300 | 46 | 7.7 |     |    |
| 52A | 773185 | 16              | 379337 | 5414727 | DIBS         | LT 1         | 18         | 00       | H                          |   | BR GN L | 68            | 68          | 2   | 13 | 7  | 0.1 | 385  | 0.5 | 1  | 1.60 | 110 | 49.0 | 10.4 | 0.280 | 30 | 7.4 |     |    |
| 52A | 773186 | 16              | 380226 | 5415049 | DIBS         | LT 1         | 48         | 00       | H                          |   | BR GN L | 88            | 106         | 5   | 17 | 8  | 0.1 | 300  | 0.5 | 1  | 1.30 | 90  | 39.4 | 3.5  | 0.150 | 40 | 8.0 |     |    |
| 52A | 773187 | 16              | 379804 | 5417278 | DIBS         | POND         | 8          | 00       | H                          |   | BR GN L | 108           | 50          | 3   | 15 | 6  | 0.1 | 65   | 0.5 | 2  | 0.80 | 90  | 55.0 | 3.4  | 0.010 | 32 | 7.2 |     |    |
| 52A | 773188 | 16              | 378552 | 5417918 | DIBS         | POND         | 28         | 70       | M                          |   | BR TN L | 104           | 52          | 2   | 12 | 7  | 0.1 | 435  | 0.5 | 1  | 1.30 | 190 | 48.4 | 2.3  | 0.005 | 26 | 7.3 |     |    |
| 52A | 773189 | 16              | 377393 | 5417886 | SMRK         | LT 1         | 20         | 10       | H                          |   | BR GN L | 96            | 56          | 3   | 15 | 8  | 0.1 | 185  | 0.5 | 2  | 0.95 | 120 | 64.0 | 7.5  | 0.360 | 52 | 8.1 |     |    |
| 52A | 773190 | 16              | 377393 | 5417886 | SMRK         | LT 1         | 18         | 20       | H                          |   | BR GN L | 96            | 68          | 3   | 15 | 8  | 0.1 | 205  | 0.5 | 2  | 1.00 | 130 | 66.0 | 6.8  | 0.390 | 54 | 8.0 |     |    |
| 52A | 773191 | 16              | 373328 | 5417482 | SMRK         | POND         | 5          | 00       | M                          |   | BR GN L | 32            | 104         | 10  | 10 | 4  | 0.1 | 100  | 0.5 | 1  | 0.30 | 170 | 79.4 | 10.3 | 0.270 | 68 | 7.8 |     |    |
| 52A | 773193 | 16              | 374083 | 5414172 | SMRK         | LT 1         | 54         | 00       | M                          |   | BK GN L | 86            | 80          | 3   | 11 | 5  | 0.1 | 650  | 0.5 | 3  | 1.80 | 130 | 45.6 | 3.3  | 0.050 | 68 | 8.1 |     |    |
| 52A | 773194 | 16              | 373466 | 5410895 | GRNT         | LT 1         | 45         | 00       | H                          |   | BR GN L | 154           | 56          | 6   | 15 | 7  | 0.1 | 245  | 0.5 | 3  | 1.05 | 140 | 59.6 | 4.9  | 0.020 | 44 | 7.4 |     |    |
| 52A | 773195 | 16              | 365179 | 5412593 | GRNT         | LT 1         | 45         | 00       | H                          |   | BR GN L | 134           | 72          | 21  | 18 | 13 | 0.1 | 320  | 0.5 | 3  | 1.05 | 210 | 54.8 | 4.5  | 0.005 | 26 | 6.7 |     |    |
| 52A | 773196 | 16              | 363184 | 5410673 | GRNT         | LT 1         | 24         | 00       | M                          |   | BR GN L | 128           | 58          | 5   | 23 | 13 | 0.1 | 175  | 0.5 | 8  | 1.65 | 130 | 52.4 | 3.8  | 0.010 | 36 | 6.8 |     |    |
| 52A | 773197 | 16              | 367456 | 5416061 | GRNT         | LT 1         | 20         | 00       | M                          |   | BR GN L | 78            | 48          | 3   | 13 | 5  | 0.1 | 55   | 0.5 | 7  | 0.35 | 120 | 67.0 | 2.2  | 0.020 | 22 | 6.8 |     |    |
| 52A | 773198 | 16              | 369833 | 5420288 | SMRK         | POND         | 14         | 00       | M                          |   | BR GN L | 90            | 40          | 2   | 13 | 5  | 0.1 | 65   | 0.5 | 2  | 0.45 | 130 | 76.6 | 4.2  | 0.010 | 44 | 7.5 |     |    |
| 52A | 773199 | 16              | 364623 | 5419069 | SMRK         | POND         | 6          | 00       | M                          |   | BR GN L | 76            | 68          | 5   | 19 | 5  | 0.1 | 55   | 0.5 | 2  | 0.35 | 100 | 56.6 | 2.4  | 0.030 | 48 | 6.7 |     |    |
| 52A | 773200 | 16              | 362206 | 5415931 | GRNT         | LT 1         | 10         | 00       | M                          |   | BR GN L | 94            | 40          | 12  | 16 | 9  | 0.1 | 125  | 0.5 | 4  | 0.75 | 120 | 64.0 | 2.2  | 0.005 | 42 | 6.5 |     |    |
| 52A | 773202 | 16              | 360984 | 5417676 | GRNT         | 1-5          | 11         | 00       | M                          |   | BR GN L | 78            | 50          | 2   | 21 | 9  | 0.1 | 255  | 0.5 | 1  | 1.00 | 140 | 45.6 | 2.9  | 0.380 | 36 | 7.2 |     |    |
| 52A | 773203 | 16              | 356300 | 5423096 | DIBS         | POND         | 7          | 70       | M                          |   | BR GN L | 90            | 106         | 6   | 46 | 9  | 0.1 | 105  | 0.5 | 2  | 0.60 | 170 | 64.0 | 5.9  | 0.540 | 26 | 6.8 |     |    |
| 52A | 773204 | 16              | 355043 | 5423322 | DIBS         | 1-5          | 70         | 10       | M                          |   | BR GN L | 172           | 94          | 15  | 29 | 29 | 0.2 | 945  | 0.5 | 2  | 3.45 | 240 | 45.6 | 5.4  | 0.570 | 34 | 6.7 |     |    |
| 52A | 773205 | 16              | 355043 | 5423322 | DIBS         | 1-5          | 66         | 20       | M                          |   | BR GN L | 200           | 110         | 13  | 31 | 20 | 0.1 | 665  | 0.5 | 2  | 2.10 | 250 | 42.8 | 6.7  | 0.005 | 28 | 6.7 |     |    |
| 52A | 773206 | 16              | 351990 | 5423433 | GRNG         | POND         | 5          | 00       | M                          |   | BR GN L | 88            | 46          | 7   | 30 | 9  | 0.1 | 75   | 0.5 | 1  | 0.70 | 160 | 41.2 | 4.2  | 0.690 | 40 | 6.0 |     |    |

| MAP | SAMPLE | UTM COORDINATES |        |         | ROCK TYPE | LAKE AREA | SMP DTH | RP ST | R<br>E<br>L<br>F | C<br>E<br>L<br>T | S<br>U<br>P<br>P<br>O<br>R<br>T | SAMP<br>COLOR | P | ZN  | CU | PB | NI | CO  | AG  | MN  | AS | MO   | FE  | HG   | LOI  | U     | U-W | F-W | PH |
|-----|--------|-----------------|--------|---------|-----------|-----------|---------|-------|------------------|------------------|---------------------------------|---------------|---|-----|----|----|----|-----|-----|-----|----|------|-----|------|------|-------|-----|-----|----|
|     |        | ZN              | EAST   | NORTH   |           |           |         |       |                  |                  |                                 |               |   |     |    |    |    |     |     |     |    |      |     |      |      |       |     |     |    |
| 52A | 773207 | 16              | 349595 | 5419220 | GRNG      | LT 1      | 43      | 00    | M                |                  | BK GN                           | L 104         |   | 86  | 12 | 33 | 18 | 0.1 | 180 | 0.5 | 3  | 2.95 | 210 | 45.6 | 7.3  | 0.570 | 28  | 6.4 |    |
| 52A | 773209 | 16              | 343968 | 5423773 | GRNG      | POND      | 8       | 00    | M                |                  | BR GN                           | L 64          |   | 62  | 3  | 27 | 8  | 0.1 | 145 | 0.5 | 1  | 0.85 | 110 | 51.2 | 12.9 | 0.660 | 42  | 6.5 |    |
| 52A | 773210 | 16              | 342300 | 5425344 | GRNG      | LT 1      | 15      | 00    | M                |                  | BR GN                           | L 134         |   | 56  | 1  | 24 | 15 | 0.1 | 360 | 0.5 | 3  | 4.25 | 90  | 16.0 | 2.5  | 0.400 | 52  | 7.7 |    |
| 52A | 773211 | 16              | 338445 | 5426420 | GRNG      | 1-5       | 30      | 00    | M                |                  | BR GN                           | L 94          |   | 56  | 3  | 22 | 11 | 0.1 | 275 | 0.5 | 2  | 1.85 | 140 | 34.2 | 3.0  | 0.360 | 40  | 6.8 |    |
| 52A | 773212 | 16              | 335217 | 5426309 | GRNG      | 1-5       | 32      | 00    | M                |                  | BR GN                           | L 118         |   | 54  | 1  | 20 | 10 | 0.1 | 385 | 0.5 | 7  | 3.25 | 100 | 28.4 | 7.1  | 0.050 | 48  | 7.0 |    |
| 52A | 773213 | 16              | 332081 | 5425100 | GRNG      | GT 5      | 22      | 00    | M                |                  | BR GN                           | L 152         |   | 70  | 2  | 31 | 16 | 0.1 | 445 | 1.0 | 3  | 2.90 | 180 | 37.0 | 5.5  | 0.020 | 36  | 6.7 |    |
| 52A | 773214 | 16              | 329154 | 5426503 | GRNG      | LT 1      | 8       | 00    | M                |                  | BR GN                           | L 108         |   | 48  | 4  | 31 | 14 | 0.1 | 190 | 0.5 | 2  | 1.70 | 180 | 30.4 | 5.3  | 0.070 | 40  | 6.5 |    |
| 52A | 773215 | 16              | 323465 | 5427841 | GRNG      | POND      | 14      | 00    | M                |                  | BR GN                           | L 62          |   | 48  | 3  | 22 | 6  | 0.1 | 130 | 0.5 | 1  | 0.75 | 110 | 43.8 | 0.9  | 0.010 | 36  | 6.7 |    |
| 52A | 773216 | 16              | 321674 | 5428049 | CGLM      | 1-5       | 20      | 00    | M                |                  | BR GY                           | L 132         |   | 86  | 1  | 37 | 23 | 0.1 | 590 | 0.5 | 2  | 3.40 | 130 | 31.8 | 1.1  | 0.050 | 30  | 6.8 |    |
| 52A | 773217 | 16              | 317524 | 5427910 | GRNG      | LT 1      | 11      | 00    | M                |                  | BR TN                           | L 68          |   | 48  | 1  | 18 | 6  | 0.1 | 150 | 0.5 | 2  | 0.70 | 150 | 46.6 | 4.4  | 0.030 | 52  | 6.6 |    |
| 52A | 773218 | 16              | 311619 | 5429383 | CGLM      | 1-5       | 7       | 00    | M                |                  | BR GN                           | L 108         |   | 56  | 2  | 43 | 17 | 0.1 | 440 | 0.5 | 2  | 2.65 | 170 | 22.6 | 2.2  | 0.010 | 34  | 6.8 |    |
| 52A | 773219 | 16              | 308636 | 5428060 | GRNG      | GT 5      | 14      | 00    | M                |                  | BR GN                           | L 40          |   | 10  | 2  | 12 | 10 | 0.1 | 240 | 0.5 | 1  | 1.45 | 50  | 1.6  | 2.6  | 0.130 | 54  | 6.8 |    |
| 52A | 773220 | 16              | 309591 | 5426612 | GRNG      | POND      | 11      | 00    | M                |                  | BR GN                           | L 62          |   | 40  | 2  | 19 | 7  | 0.1 | 135 | 0.5 | 2  | 0.85 | 140 | 38.0 | 7.9  | 0.490 | 40  | 6.5 |    |
| 52A | 773222 | 16              | 310847 | 5420331 | GRNG      | POND      | 6       | 00    | M                |                  | BR TN                           | L 58          |   | 44  | 3  | 17 | 6  | 0.1 | 105 | 0.5 | 2  | 0.85 | 120 | 37.6 | 1.6  | 0.030 | 42  | 6.4 |    |
| 52A | 773223 | 16              | 307058 | 5414448 | GRNG      | LT 1      | 6       | 00    | M                |                  | BR GY                           | L 50          |   | 30  | 5  | 18 | 11 | 0.1 | 305 | 0.5 | 2  | 2.00 | 70  | 10.0 | 2.5  | 0.090 | 48  | 6.9 |    |
| 52A | 773224 | 16              | 306691 | 5412535 | GRNG      | GT 5      | 6       | 00    | M                |                  | BR GY                           | L 46          |   | 28  | 4  | 19 | 12 | 0.1 | 230 | 0.5 | 1  | 1.90 | 60  | 9.2  | 1.5  | 0.020 | 34  | 6.6 |    |
| 52A | 773225 | 16              | 304011 | 5409007 | GRNG      | POND      | 15      | 00    | M                |                  | BR GY                           | L 48          |   | 32  | 4  | 14 | 5  | 0.1 | 70  | 0.5 | 2  | 0.55 | 110 | 35.6 | 2.1  | 0.010 | 42  | 6.1 |    |
| 52A | 773226 | 16              | 301909 | 5407415 | GRNG      | POND      | 11      | 70    | M                |                  | BR TN                           | L 38          |   | 20  | 3  | 12 | 5  | 0.1 | 50  | 0.5 | 2  | 0.55 | 100 | 28.8 | 1.3  | 0.010 | 36  | 5.5 |    |
| 52A | 773227 | 16              | 300766 | 5407134 | GRNG      | POND      | 7       | 10    | M                |                  | BR GN                           | L 42          |   | 26  | 7  | 13 | 4  | 0.1 | 50  | 0.5 | 1  | 0.65 | 150 | 32.8 | 1.5  | 0.010 | 40  | 5.6 |    |
| 52A | 773228 | 16              | 300766 | 5407134 | GRNG      | POND      | 7       | 20    | M                |                  | BR GN                           | L 44          |   | 28  | 4  | 15 | 4  | 0.1 | 50  | 0.5 | 1  | 0.70 | 130 | 46.0 | 1.8  | 0.010 | 40  | 5.7 |    |
| 52A | 773229 | 16              | 303261 | 5405245 | GRNG      | POND      | 34      | 00    | M                |                  | BR GN                           | L 98          |   | 56  | 3  | 21 | 37 | 0.1 | 810 | 0.5 | 3  | 2.95 | 130 | 22.0 | 3.9  | 0.010 | 38  | 6.4 |    |
| 52A | 773230 | 16              | 303367 | 5401432 | GRNG      | 1-5       | 7       | 00    | M                |                  | BR GY                           | L 68          |   | 32  | 5  | 19 | 9  | 0.1 | 150 | 0.5 | 2  | 1.55 | 90  | 43.0 | 2.5  | 0.020 | 38  | 7.0 |    |
| 52A | 773231 | 16              | 334726 | 5384419 | MVCC      | LT 1      | 20      | 00    | M                |                  | BR GN                           | L 130         |   | 58  | 4  | 27 | 16 | 0.1 | 285 | 0.5 | 2  | 1.30 | 160 | 36.8 | 1.4  | 0.200 | 34  | 6.6 |    |
| 52A | 773232 | 16              | 335226 | 5386327 | GRCK      | POND      | 18      | 00    | M                |                  | BR GN                           | L 100         |   | 26  | 8  | 13 | 5  | 0.1 | 75  | 0.5 | 2  | 0.55 | 190 | 40.4 | 8.3  | 0.005 | 36  | 6.1 |    |
| 52A | 773233 | 16              | 334510 | 5390634 | GRCK      | 1-5       | 35      | 00    | M                | 1                | BR GN                           | L 122         |   | 46  | 3  | 21 | 14 | 0.1 | 385 | 0.5 | 3  | 1.90 | 150 | 44.6 | 2.4  | 0.010 | 48  | 6.6 |    |
| 52A | 773234 | 16              | 335889 | 5393710 | GRCK      | LT 1      | 31      | 00    | M                |                  | BR GN                           | L 148         |   | 54  | 4  | 27 | 26 | 0.1 | 475 | 0.5 | 2  | 2.25 | 150 | 33.8 | 1.6  | 0.010 | 32  | 6.5 |    |
| 52A | 773235 | 16              | 335529 | 5396389 | GRNG      | LT 1      | 18      | 00    | M                |                  | BR GN                           | L 78          |   | 34  | 5  | 17 | 8  | 0.1 | 125 | 0.5 | 2  | 1.90 | 150 | 34.6 | 17.8 | 0.420 | 38  | 6.6 |    |
| 52A | 773236 | 16              | 335182 | 5399734 | GRNG      | LT 1      | 11      | 00    | M                |                  | BR GN                           | L 94          |   | 34  | 5  | 16 | 10 | 0.1 | 55  | 0.5 | 2  | 0.50 | 90  | 31.6 | 51.8 | 0.820 | 36  | 6.8 |    |
| 52A | 773238 | 16              | 337418 | 5404755 | GRCK      | LT 1      | 32      | 00    | M                |                  | BR GN                           | L 156         |   | 92  | 3  | 26 | 22 | 0.1 | 640 | 3.0 | 4  | 1.95 | 180 | 44.4 | 9.2  | 0.050 | 38  | 6.8 |    |
| 52A | 773239 | 16              | 333263 | 5412845 | GRNG      | LT 1      | 22      | 00    | M                |                  | BR GN                           | L 180         |   | 60  | 1  | 22 | 17 | 0.1 | 535 | 0.5 | 2  | 2.60 | 150 | 43.2 | 3.1  | 0.005 | 42  | 6.7 |    |
| 52A | 773240 | 16              | 351397 | 5411608 | GRNG      | 1-5       | 17      | 00    | M                |                  | BR GN                           | L 138         |   | 60  | 11 | 25 | 11 | 0.1 | 260 | 0.5 | 2  | 1.20 | 160 | 50.4 | 1.9  | 0.020 | 34  | 6.5 |    |
| 52A | 773242 | 16              | 360983 | 5412252 | GRNT      | POND      | 17      | 00    | M                |                  | BR GN                           | L 128         |   | 40  | 6  | 21 | 11 | 0.1 | 180 | 0.5 | 2  | 1.40 | 140 | 45.6 | 2.3  | 0.010 | 44  | 6.6 |    |
| 52A | 773244 | 16              | 360223 | 5414621 | GRNT      | 1-5       | 30      | 00    | M                |                  | BR GN                           | L 150         |   | 88  | 6  | 33 | 17 | 0.1 | 720 | 1.0 | 3  | 2.30 | 110 | 23.2 | 5.1  | 0.010 | 40  | 7.3 |    |
| 52A | 773245 | 16              | 356596 | 5413876 | GRNG      | LT 1      | 22      | 00    | M                |                  | BR GN                           | L 245         |   | 72  | 6  | 22 | 13 | 0.1 | 215 | 0.5 | 3  | 1.25 | 140 | 54.2 | 1.7  | 0.020 | 42  | 6.5 |    |
| 52A | 773246 | 16              | 351949 | 5414684 | GRNG      | POND      | 5       | 00    | M                |                  | BR TN                           | L 142         |   | 24  | 3  | 15 | 7  | 0.1 | 155 | 0.5 | 2  | 0.65 | 100 | 48.4 | 0.6  | 0.010 | 36  | 7.1 |    |
| 52A | 773247 | 16              | 348837 | 5423446 | GRNG      | 1-5       | 10      | 00    | M                |                  | BR GN                           | L 90          |   | 36  | 2  | 18 | 5  | 0.1 | 70  | 0.5 | 2  | 0.55 | 110 | 37.0 | 2.6  | 0.040 | 44  | 6.5 |    |
| 52A | 773248 | 16              | 351659 | 5425888 | DIBS      | 1-5       | 42      | 00    | M                |                  | BR GN                           | L 120         |   | 74  | 3  | 26 | 11 | 0.1 | 230 | 1.0 | 3  | 1.30 | 150 | 42.6 | 3.6  | 0.030 | 38  | 6.8 |    |
| 52A | 773249 | 16              | 349100 | 5425948 | DIBS      | POND      | 13      | 70    | M                |                  | BR GN                           | L 138         |   | 122 | 3  | 25 | 10 | 0.1 | 60  | 0.5 | 2  | 0.70 | 160 | 80.2 | 1.8  | 0.010 | 34  | 7.0 |    |
| 52A | 773250 | 16              | 347806 | 5426354 | GRNG      | GT 5      | 24      | 10    | M                |                  | BR GN                           | L 152         |   | 56  | 2  | 30 | 20 | 0.1 | 420 | 0.5 | 2  | 2.75 | 190 | 34.4 | 5.5  | 0.160 | 38  | 6.8 |    |
| 52A | 773251 | 16              | 347806 | 5426354 | GRNG      | GT 5      | 25      | 20    | M                |                  | BR GN                           | L 172         |   | 58  | 3  | 30 | 25 | 0.1 | 545 | 0.5 | 3  | 3.45 | 180 | 36.2 | 4.9  | 0.700 | 34  | 6.7 |    |
| 52A | 773252 | 16              | 347057 | 5425390 | GRNG      | GT 5      | 18      | 00    | M                |                  | BR GN                           | L 144         |   | 52  | 6  | 31 | 15 | 0.1 | 280 | 0.5 | 2  | 1.80 | 190 | 37.6 | 4.8  | 0.240 | 38  | 6.7 |    |
| 52A | 773253 | 16              | 384307 | 5415045 | DIBS      | 1-5       | 21      | 00    | M                |                  | BR GN                           | L 158         |   | 82  | 3  | 21 | 11 | 0.1 | 165 | 0.5 | 2  | 1.30 | 170 | 51.0 | 1.1  | 0.010 | 28  | 6.8 |    |
| 52A | 773254 | 16              | 389595 | 5415345 | SMRK      | LT 1      | 13      | 00    | M                |                  | BR GN                           | L 182         |   | 76  | 2  | 18 | 9  | 0.1 | 105 | 2.5 | 5  | 1.65 | 90  | 51.0 | 11.1 | 0.100 | 100 | 7.4 |    |
| 52A | 773255 | 16              | 389555 | 5418068 | SMRK      | LT 1      | 5       | 00    | M                |                  | BK GN                           | L 144         |   | 38  | 4  | 42 | 6  | 0.1 | 130 | 0.5 | 2  | 1.85 | 90  | 47.6 | 1.2  | 0.570 | 30  | 7.6 |    |
| 52A | 773256 | 16              | 392503 | 5422426 | DIBS      | LT 1      | 20      | 00    | M                |                  | BK GN                           | L 110         |   | 70  | 6  | 34 | 10 | 0.1 | 95  | 2.0 | 1  | 1.05 | 150 | 47.8 | 0.4  | 0.005 | 36  | 6.0 |    |
| 52A | 773257 | 16              | 389981 | 5423146 | DIBS      | LT 1      | 29      | 00    | H                |                  | BR GN                           | L 178         |   | 94  | 4  | 28 | 24 | 0.2 | 465 | 4.5 | 2  | 2.25 | 180 | 54.2 | 0.8  | 0.005 | 24  | 6.6 |    |
| 52A | 773258 | 16              | 392226 | 5424306 | DIBS      | POND      | 15      | 00    | H                |                  | BR GN                           | L 164         |   | 94  | 3  | 70 | 15 | 0.1 | 130 | 1.0 | 2  | 1.05 | 140 | 40.2 | 0.8  | 0.005 | 30  | 7.0 |    |
| 52A | 773259 | 16              | 399238 | 5426422 | GRNT      | POND      | 8       | 00    | H                |                  | BR GN                           | L 102         |   | 46  | 5  | 30 | 12 | 0.1 | 175 | 2.0 | 2  | 1.80 | 90  | 18.0 | 4.7  | 0.200 | 26  | 7.2 |    |
| 52A | 773260 | 16              | 394128 | 5426948 | GRNT      | POND      | 4       | 00    | H                |                  | BR GN                           | L 86          |   | 26  | 5  | 21 | 6  | 0.1 | 70  | 0.5 | 2  | 0.70 | 120 | 34.0 | 5.0  | 0.240 | 32  | 6.8 |    |
| 52A | 773263 | 16              | 387674 | 5424614 | SMRK      | POND      | 20      | 00    | M                |                  | BR GN                           | L 215         |   | 24  | 4  | 14 | 6  | 0.1 | 105 | 1.0 | 2  | 0.55 | 60  | 69.6 | 0.5  | 0.010 | 32  | 6.8 |    |

| MAP | SAMPLE | UTM COORDINATES |        | ROCK TYPE | LAKE AREA | SMP DTH | RP ST | R<br>E<br>L | C<br>E<br>N | S<br>U<br>P | SAMP<br>P | ZN | CU  | PB  | NI | CO | AG | MN  | AS   | MO  | FE | HG    | LOI | U    | U-W  | F-W   | PH  |       |
|-----|--------|-----------------|--------|-----------|-----------|---------|-------|-------------|-------------|-------------|-----------|----|-----|-----|----|----|----|-----|------|-----|----|-------|-----|------|------|-------|-----|-------|
|     |        | ZN              | EAST   |           |           |         |       |             |             |             |           |    |     |     |    |    |    |     |      |     |    |       |     |      |      |       |     | NORTH |
| 52A | 773264 | 16              | 386104 | 5423810   | SMRK POND | 5       | 00    | L           |             |             | BR GN     | L  | 88  | 56  | 7  | 23 | 11 | 0.1 | 235  | 1.0 | 3  | 2.25  | 80  | 22.8 | 1.1  | 0.010 | 52  | 8.3   |
| 52A | 773265 | 16              | 379991 | 5428298   | SMRK LT 1 | 8       | 00    | L           |             |             | BR GN     |    | 90  | 18  | 4  | 14 | 4  | 0.1 | 90   | 0.5 | 2  | 0.30  | 80  | 64.4 | 0.7  | 0.005 | 42  | 7.3   |
| 52A | 773266 | 16              | 380374 | 5427190   | SMRK LT 1 | 8       | 00    | L           |             |             | BR GN     |    | 114 | 8   | 3  | 5  | 3  | 0.1 | 70   | 1.5 | 2  | 0.35  | 60  | 75.6 | 0.4  | 0.005 | 44  | 7.5   |
| 52A | 773267 | 16              | 377770 | 5426253   | SMRK 1-5  | 18      | 00    | L           |             |             | BR GN     |    | 104 | 166 | 2  | 15 | 6  | 0.1 | 80   | 7.0 | 10 | 1.00  | 120 | 61.0 | 33.4 | 0.770 | 72  | 8.3   |
| 52A | 773268 | 16              | 378455 | 5423601   | SMRK 1-5  | 19      | 70    | L           |             |             | BR GN     |    | 98  | 104 | 3  | 14 | 6  | 0.1 | 90   | 6.5 | 5  | 1.10  | 90  | 49.0 | 16.8 | 0.770 | 64  | 8.3   |
| 52A | 773269 | 16              | 379148 | 5421164   | SMRK LT 1 | 6       | 10    | L           |             |             | BR GN     |    | 84  | 84  | 4  | 10 | 2  | 0.1 | 40   | 1.5 | 6  | 0.30  | 110 | 77.0 | 30.1 | 1.100 | 56  | 8.3   |
| 52A | 773270 | 16              | 379148 | 5421164   | SMRK LT 1 | 7       | 20    | L           |             |             | BR GN     |    | 82  | 84  | 2  | 9  | 2  | 0.1 | 45   | 0.5 | 5  | 0.30  | 110 | 79.8 | 25.3 | 1.600 | 70  | 8.3   |
| 52A | 773271 | 16              | 375776 | 5421732   | SMRK POND | 8       | 00    | L           |             |             | BR GN     |    | 100 | 76  | 2  | 16 | 5  | 0.1 | 105  | 3.0 | 6  | 1.30  | 90  | 63.6 | 15.4 | 0.010 | 60  | 8.0   |
| 52A | 773272 | 16              | 374247 | 5426395   | DIBS 1-5  | 56      | 00    | M           |             |             | BR GN     |    | 112 | 58  | 4  | 14 | 6  | 0.1 | 255  | 0.5 | 3  | 0.95  | 50  | 57.0 | 2.9  | 0.010 | 44  | 7.4   |
| 52A | 773273 | 16              | 372845 | 5427956   | SMRK LT 1 | 17      | 00    | H           | 1           |             | BR GN     |    | 88  | 176 | 1  | 13 | 7  | 0.1 | 45   | 4.0 | 7  | 0.70  | 120 | 64.2 | 34.2 | 0.590 | 66  | 8.3   |
| 52A | 773274 | 16              | 369514 | 5423543   | SMRK LT 1 | 9       | 00    | L           |             |             | BK GN     |    | 102 | 80  | 4  | 11 | 4  | 0.1 | 65   | 0.5 | 5  | 0.50  | 80  | 73.6 | 6.4  | 0.090 | 46  | 8.3   |
| 52A | 773275 | 16              | 368217 | 5422556   | SMRK 1-5  | 11      | 00    | L           |             |             | BR GN     |    | 86  | 62  | 3  | 13 | 4  | 0.1 | 50   | 2.5 | 5  | 0.60  | 80  | 71.2 | 6.4  | 0.030 | 46  | 8.0   |
| 52A | 773276 | 16              | 366281 | 5427368   | SMRK GT 5 | 7       | 00    | M           |             |             | BR GN     |    | 66  | 132 | 2  | 18 | 4  | 0.1 | 195  | 4.0 | 8  | 1.90  | 50  | 73.8 | 9.2  | 0.130 | 52  | 8.0   |
| 52A | 773277 | 16              | 364393 | 5423441   | SMRK LT 1 | 9       | 00    | L           |             |             | BR GN     |    | 54  | 72  | 1  | 6  | 1  | 0.1 | 50   | 0.5 | 5  | 0.25  | 60  | 57.8 | 10.1 | 0.430 | 56  | 8.3   |
| 52A | 773278 | 16              | 362790 | 5427019   | SMRK GT 5 | 63      | 00    | M           | 1           |             | BR GN     |    | 100 | 134 | 8  | 31 | 12 | 0.1 | 280  | 1.0 | 3  | 1.50  | 130 | 35.8 | 1.8  | 0.010 | 32  | 7.2   |
| 52A | 773279 | 16              | 360372 | 5424021   | DIBS 1-5  | 20      | 00    | L           | 1           |             | BR TN     |    | 150 | 62  | 4  | 30 | 19 | 0.1 | 330  | 2.5 | 2  | 2.35  | 100 | 29.0 | 3.3  | 0.020 | 42  | 7.7   |
| 52A | 773280 | 16              | 358778 | 5426658   | DIBS 1-5  | 10      | 00    | L           |             |             | BR GN     |    | 116 | 106 | 3  | 48 | 14 | 0.1 | 185  | 0.5 | 2  | 0.75  | 110 | 47.6 | 0.7  | 0.005 | 30  | 7.0   |
| 52A | 773282 | 16              | 357358 | 5427920   | DIBS LT 1 | 9       | 00    | L           |             |             | BR GN     |    | 132 | 142 | 4  | 62 | 14 | 0.1 | 200  | 2.0 | 1  | 1.15  | 160 | 44.6 | 0.7  | 0.005 | 34  | 6.8   |
| 52A | 773283 | 16              | 354706 | 5426254   | DIBS 1-5  | 8       | 70    | M           |             |             | BR GN     |    | 86  | 118 | 6  | 45 | 10 | 0.1 | 125  | 0.5 | 2  | 0.90  | 130 | 40.8 | 1.0  | 0.010 | 38  | 7.1   |
| 52A | 773284 | 16              | 354670 | 5425168   | DIBS 1-5  | 28      | 10    | H           |             |             | BR GN     |    | 270 | 92  | 9  | 45 | 28 | 0.1 | 820  | 0.5 | 2  | 3.95  | 180 | 36.0 | 9.3  | 0.090 | 28  | 6.5   |
| 52A | 773285 | 16              | 354670 | 5425168   | DIBS 1-5  | 28      | 20    | H           |             |             | BR GN     |    | 260 | 92  | 8  | 45 | 23 | 0.1 | 665  | 0.5 | 2  | 3.80  | 140 | 35.6 | 9.0  | 0.030 | 36  | 6.7   |
| 52A | 773286 | 16              | 280840 | 5428300   | GRNG 1-5  | 4       | 00    | M           |             |             | BR GN     |    | 168 | 16  | 5  | 13 | 7  | 0.1 | 80   | 1.5 | 2  | 0.60  | 60  | 57.4 | 0.7  | 0.005 | 38  | 6.6   |
| 52A | 773287 | 16              | 280728 | 5425271   | GRNG LT 1 | 4       | 00    | M           |             |             | BR GN     |    | 92  | 20  | 4  | 12 | 7  | 0.1 | 80   | 0.5 | 1  | 0.50  | 100 | 44.0 | 0.9  | 0.005 | 36  | 6.7   |
| 52A | 773288 | 16              | 281046 | 5422327   | GRNG 1-5  | 28      | 00    | M           |             |             | BR GN     |    | 164 | 48  | 2  | 20 | 12 | 0.1 | 110  | 0.5 | 4  | 1.30  |     |      | 1.0  | 0.005 | 46  | 7.3   |
| 52A | 773289 | 16              | 280115 | 5414572   | GRNG LT 1 | 3       | 00    | M           |             |             | BR GN     |    | 100 | 20  | 4  | 12 | 6  | 0.1 | 210  | 0.5 | 2  | 0.60  | 120 | 38.4 | 0.9  | 0.020 | 32  | 6.7   |
| 52A | 773290 | 16              | 281006 | 5411969   | GRNG GT 5 | 6       | 00    | L           |             |             | BR GY     |    | 36  | 34  | 4  | 20 | 12 | 0.1 | 220  | 0.5 | 1  | 1.50  | 40  | 5.6  | 2.5  | 0.010 | 28  | 6.7   |
| 52A | 773291 | 16              | 281403 | 5408297   | GRNG LT 1 | 4       | 00    | L           |             |             | BR GN     |    | 76  | 32  | 4  | 12 | 6  | 0.1 | 180  | 0.5 | 1  | 0.70  | 110 | 46.6 | 1.7  | 0.005 | 46  | 6.4   |
| 52A | 773292 | 16              | 281423 | 5405199   | GRNG 1-5  | 18      | 00    | M           |             |             | BR GN     |    | 122 | 32  | 1  | 18 | 11 | 0.1 | 475  | 1.5 | 2  | 1.20  | 200 | 44.0 | 5.0  | 0.020 | 48  | 6.7   |
| 52A | 773293 | 16              | 280400 | 5400978   | GRNG 1-5  | 13      | 00    | M           |             |             | BR GN     |    | 110 | 30  | 3  | 18 | 11 | 0.1 | 500  | 0.5 | 2  | 1.40  | 170 | 32.4 | 3.6  | 0.090 | 24  | 6.7   |
| 52A | 773294 | 16              | 280493 | 5397801   | GRNG LT 1 | 4       | 00    | M           |             |             | BR GN     | L  | 72  | 32  | 3  | 13 | 4  | 0.1 | 85   | 0.5 | 2  | 0.40  | 130 | 37.0 | 0.7  | 0.010 | 48  | 6.3   |
| 52A | 773296 | 16              | 279443 | 5394000   | GRCK POND | 3       | 00    | M           |             |             | BR GN     |    | 112 | 60  | 4  | 26 | 10 | 0.1 | 140  | 1.0 | 2  | 1.15  | 90  | 41.4 | 6.6  | 0.130 | 44  | 6.8   |
| 52A | 773297 | 16              | 278921 | 5382885   | MVCC LT 1 | 37      | 00    | M           |             |             | BR GN     |    | 172 | 72  | 3  | 22 | 10 | 0.1 | 245  | 1.0 | 3  | 1.80  | 120 | 59.8 | 1.5  | 0.005 | 24  | 7.6   |
| 52A | 773298 | 16              | 283036 | 5402225   | GRNG POND | 5       | 00    | M           |             |             | BR GN     |    | 114 | 20  | 6  | 10 | 2  | 0.1 | 45   | 0.5 | 3  | 0.30  | 110 | 42.0 | 1.0  | 0.005 | 38  | 6.0   |
| 52A | 773299 | 16              | 284190 | 5409176   | GRNG 1-5  | 18      | 00    | M           |             |             | BR GN     |    | 136 | 40  | 1  | 25 | 11 | 0.1 | 600  | 0.5 | 2  | 2.45  | 140 | 32.8 | 4.7  | 0.010 | 42  | 6.8   |
| 52A | 773300 | 16              | 285561 | 5409778   | GRNG 1-5  | 11      | 00    | M           |             |             | BR GN     |    | 120 | 36  | 3  | 24 | 10 | 0.1 | 305  | 0.5 | 3  | 1.65  | 130 | 34.6 | 2.9  | 0.010 | 40  | 6.8   |
| 52A | 773302 | 16              | 287170 | 5412896   | GRNG POND | 9       | 00    | L           |             |             | BR GN     |    | 240 | 14  | 1  | 15 | 17 | 0.1 | 365  | 0.5 | 1  | 11.00 | 90  | 54.6 | 1.0  | 0.005 | 48  | 6.9   |
| 52A | 773303 | 16              | 286697 | 5416755   | GRNG POND | 5       | 00    | L           |             |             | BR GN     |    | 70  | 16  | 5  | 11 | 3  | 0.1 | 85   | 0.5 | 1  | 0.40  | 100 | 37.4 | 1.4  | 0.010 | 46  | 6.6   |
| 52A | 773304 | 16              | 285044 | 5417391   | GRNG POND | 5       | 00    | L           |             |             | BR GN     | L  | 82  | 16  | 3  | 10 | 5  | 0.1 | 380  | 1.0 | 1  | 0.70  | 100 | 35.8 | 1.4  | 0.020 | 56  | 6.6   |
| 52A | 773305 | 16              | 285305 | 5427066   | GRNG LT 1 | 35      | 00    | M           |             |             | BR GN     |    | 114 | 70  | 1  | 12 | 6  | 0.1 | 70   | 4.0 | 7  | 1.05  | 60  | 33.2 | 7.4  | 0.280 | 70  | 7.7   |
| 52A | 773306 | 16              | 288362 | 5430790   | GRNG LT 1 | 15      | 00    | M           |             |             | BR GN     | L  | 122 | 36  | 2  | 21 | 19 | 0.1 | 1100 | 1.0 | 2  | 4.30  | 110 | 26.4 | 1.8  | 0.005 | 30  | 7.0   |
| 52A | 773307 | 16              | 305609 | 5428850   | GRNG LT 1 | 37      | 00    | M           |             |             | BR GN     |    | 120 | 52  | 1  | 19 | 10 | 0.1 | 420  | 1.0 | 4  | 3.50  | 60  | 37.4 | 11.9 | 0.010 | 58  | 6.6   |
| 52A | 773308 | 16              | 303572 | 5428763   | GRNG LT 1 | 5       | 00    | M           |             |             | BR GN     | L  | 46  | 22  | 6  | 9  | 5  | 0.1 | 120  | 0.5 | 2  | 0.40  | 60  | 33.8 | 1.9  | 0.030 | 64  | 6.1   |
| 52A | 773309 | 16              | 305978 | 5426896   | GRNG GT 5 | 11      | 70    | M           |             |             | BR GN     |    | 88  | 38  | 5  | 23 | 10 | 0.1 | 385  | 0.5 | 1  | 1.85  | 140 | 31.0 | 10.0 | 0.110 | 70  | 6.5   |
| 52A | 773310 | 16              | 305969 | 5425339   | GRNG POND | 11      | 10    | M           |             |             | BR GN     |    | 84  | 36  | 4  | 8  | 7  | 0.1 | 95   | 2.5 | 3  | 0.45  | 80  | 61.0 | 6.8  | 0.020 | 36  | 6.2   |
| 52A | 773311 | 16              | 305969 | 5425339   | GRNG POND | 13      | 20    | M           |             |             | BR GN     |    | 92  | 36  | 4  | 19 | 8  | 0.1 | 130  | 2.0 | 3  | 0.50  | 90  | 62.4 | 7.7  | 0.010 | 28  | 6.1   |
| 52A | 773312 | 16              | 301705 | 5425382   | GRNG LT 1 | 22      | 00    | M           |             |             | BR TN     |    | 80  | 54  | 3  | 17 | 6  | 0.1 | 215  | 0.5 | 2  | 1.00  | 140 | 40.4 | 17.9 | 0.220 | 74  | 6.6   |
| 52A | 773313 | 16              | 299123 | 5425360   | GRNG POND | 21      | 00    | M           |             |             | BR GN     |    | 62  | 56  | 2  | 9  | 6  | 0.1 | 140  | 0.5 | 4  | 0.60  | 100 | 51.2 | 56.3 | 0.650 | 140 | 6.6   |
| 52A | 773314 | 16              | 297942 | 5420324   | GRNG POND | 12      | 00    | M           |             |             | BR TN     |    | 88  | 52  | 4  | 21 | 8  | 0.1 | 180  | 0.5 | 1  | 1.25  | 150 | 48.8 | 2.7  | 0.010 | 32  | 6.5   |
| 52A | 773316 | 16              | 301008 | 5417262   | GRNG POND | 4       | 00    | M           |             |             | BR TN     |    | 34  | 26  | 2  | 11 | 5  | 0.1 | 130  | 0.5 | 1  | 0.60  | 140 | 24.8 | 1.8  | 0.020 | 34  | 6.6   |
| 52A | 773317 | 16              | 304937 | 5416800   | GRNG POND | 7       | 00    | M           |             |             | BR GN     |    | 44  | 32  | 3  | 15 | 6  | 0.1 | 75   | 2.5 | 2  | 0.35  | 90  | 49.4 | 3.8  | 0.010 | 78  | 6.6   |

REGIONAL LAKE SEDIMENT AND WATER GEOCHEMICAL RECONNAISSANCE DATA, ONTARIO 1977.

GSC-OF 507, NGR 18-1977, NTS 52A, 52H(S/2)

| MAP | SAMPLE | UTM COORDINATES |        | ROCK TYPE | LAKE AREA | SMP DTH | RP ST | R E G I O N |   |   | SAMP COLOR | S U P | ZN | CU  | PB | NI | CO | AG | MN  | AS   | MO   | FE | HG   | LOI | U    | U-W  | F-W   | PH |     |
|-----|--------|-----------------|--------|-----------|-----------|---------|-------|-------------|---|---|------------|-------|----|-----|----|----|----|----|-----|------|------|----|------|-----|------|------|-------|----|-----|
|     |        | ZN              | EAST   |           |           |         |       | NORTH       | L | E |            |       |    |     |    |    |    |    |     |      |      |    |      |     |      |      |       |    | N   |
| 52A | 773318 | 16              | 300427 | 5414919   | GRNG POND | 10      | 00    | M           |   |   |            | BR GN | L  | 54  | 36 | 4  | 12 | 5  | 0.1 | 115  | 0.5  | 2  | 0.50 | 90  | 47.6 | 1.8  | 0.010 | 34 | 6.2 |
| 52A | 773319 | 16              | 298051 | 5414952   | GRNG LT 1 | 12      | 00    | L           |   |   |            | BR GN |    | 94  | 48 | 3  | 29 | 15 | 0.1 | 235  | 4.5  | 2  | 1.80 | 170 | 33.8 | 4.1  | 0.005 | 28 | 6.7 |
| 52A | 773320 | 16              | 299640 | 5412507   | GRNG POND | 18      | 00    | M           |   |   |            | BR GN |    | 70  | 46 | 4  | 20 | 9  | 0.1 | 200  | 0.5  | 3  | 1.25 | 140 | 37.8 | 6.0  | 0.010 | 46 | 6.6 |
| 52A | 773322 | 16              | 301952 | 5410637   | GRNG LT 1 | 8       | 00    | M           |   |   |            | BR GN | L  | 66  | 24 | 3  | 18 | 8  | 0.1 | 125  | 0.5  | 2  | 0.10 | 90  | 22.2 | 1.4  | 0.010 | 24 | 6.3 |
| 52A | 773323 | 16              | 299360 | 5405300   | GRNG POND | 8       | 00    | M           |   |   |            | BR GN |    | 176 | 40 | 6  | 16 | 4  | 0.1 | 60   | 0.5  | 1  | 2.30 | 140 | 41.6 | 1.6  | 0.005 | 54 | 6.1 |
| 52A | 773324 | 16              | 291890 | 5409364   | GRNG LT 1 | 10      | 00    | M           |   |   |            | BR GN |    | 66  | 40 | 3  | 22 | 6  | 0.1 | 50   | 0.5  | 4  | 0.35 | 80  | 53.4 | 6.0  | 0.020 | 40 | 7.0 |
| 52A | 773325 | 16              | 294286 | 5410334   | GRNG LT 1 | 10      | 00    | M           |   |   |            | BR GN |    | 54  | 42 | 2  | 21 | 7  | 0.1 | 110  | 0.5  | 2  | 0.70 | 110 | 36.0 | 6.2  | 0.030 | 26 | 7.2 |
| 52A | 773326 | 16              | 291569 | 5411754   | GRNG POND | 5       | 00    | M           |   |   |            | BR    |    | 58  | 22 | 5  | 16 | 5  | 0.1 | 45   | 0.5  | 2  | 0.45 | 50  | 45.4 | 2.0  | 0.005 | 60 | 6.0 |
| 52A | 773327 | 16              | 294499 | 5413690   | GRNG POND | 12      | 00    | M           |   |   |            | BR GN | L  | 58  | 58 | 3  | 11 | 3  | 0.1 | 65   | 0.5  | 3  | 0.80 | 160 | 61.8 | 3.5  | 0.010 | 34 | 5.3 |
| 52A | 773328 | 16              | 295442 | 5427638   | GRNG 1-5  | 8       | 00    | M           |   |   |            | BR GN |    | 106 | 32 | 3  | 20 | 7  | 0.1 | 60   | 0.5  | 3  | 0.75 | 50  | 59.8 | 0.8  | 0.005 | 54 | 7.0 |
| 52A | 773329 | 16              | 295025 | 5430808   | GRNG 1-5  | 32      | 70    | M           |   |   |            | BK BR |    | 64  | 36 | 2  | 20 | 16 | 0.1 | 760  | 0.5  | 3  | 3.00 | 30  | 8.0  | 1.2  | 0.005 | 36 | 7.0 |
| 52A | 773331 | 16              | 296017 | 5430503   | GRNG 1-5  | 33      | 10    | M           |   |   |            | BR GN |    | 100 | 60 | 5  | 21 | 7  | 0.1 | 385  | 0.5  | 2  | 2.05 | 140 | 36.2 | 1.1  | 0.005 | 30 | 6.9 |
| 52A | 773332 | 16              | 296017 | 5430503   | GRNG 1-5  | 33      | 20    | M           |   |   |            | BR GN |    | 96  | 58 | 4  | 19 | 6  | 0.1 | 380  | 0.5  | 2  | 2.00 | 140 | 34.0 | 1.3  | 0.005 | 40 | 6.9 |
| 52A | 773333 | 16              | 411764 | 5425362   | DIBS 1-5  | 23      | 00    | M           |   |   |            | BR GY |    | 94  | 78 | 10 | 30 | 13 | 0.1 | 405  | 0.5  | 2  | 2.80 | 110 | 20.6 | 3.4  | 0.020 | 44 | 7.7 |
| 52A | 773334 | 16              | 411882 | 5427412   | GRNT GT 5 | 10      | 00    | H           |   |   | 1          | BR GN |    | 84  | 34 | 4  | 12 | 5  | 0.1 | 465  | 0.5  | 1  | 1.20 | 60  | 42.0 | 1.4  | 0.010 | 40 | 7.7 |
| 52A | 773335 | 16              | 413219 | 5426324   | DIBS GT 5 | 20      | 00    | H           |   |   | 1          | BR GN |    | 112 | 62 | 6  | 26 | 11 | 0.1 | 595  | 0.5  | 2  | 2.75 | 90  | 41.2 | 1.8  | 0.020 | 58 | 7.8 |
| 52H | 771002 | 16              | 425085 | 5482656   | DIBS POND | 9       | 00    | M           |   |   |            | BR GN |    | 210 | 34 | 2  | 21 | 8  | 0.1 | 60   | 0.5  | 2  | 0.35 | 100 | 63.8 | 9.3  | 0.040 | 34 | 6.2 |
| 52H | 771003 | 16              | 423506 | 5478615   | GRCK LT 1 | 4       | 00    | H           |   |   |            | BR GN | L  | 112 | 46 | 2  | 29 | 7  | 0.1 | 100  | 0.5  | 1  | 0.65 | 130 | 44.6 | 0.9  | 0.060 | 40 | 6.2 |
| 52H | 771004 | 16              | 423494 | 5477254   | GRCK LT 1 | 13      | 70    | H           |   |   | 1          | BR GN |    | 114 | 20 | 5  | 22 | 12 | 0.1 | 455  | 0.5  | 1  | 1.50 | 120 | 18.4 | 1.6  | 0.040 | 26 | 7.0 |
| 52H | 771005 | 16              | 426007 | 5476056   | DIBS LT 1 | 14      | 10    | M           |   |   |            | BR GN |    | 220 | 66 | 2  | 37 | 13 | 0.1 | 120  | 0.5  | 1  | 0.80 | 110 | 61.6 | 1.8  | 0.040 | 36 | 6.5 |
| 52H | 771006 | 16              | 426007 | 5476056   | DIBS LT 1 | 14      | 20    | M           |   |   |            | BR GN |    | 178 | 64 | 2  | 37 | 13 | 0.1 | 115  | 0.5  | 1  | 0.80 | 110 | 61.6 | 1.6  | 0.030 | 32 | 6.4 |
| 52H | 771007 | 16              | 426747 | 5475368   | DIBS LT 1 | 39      | 00    | H           |   |   |            | BR GN |    | 192 | 80 | 4  | 33 | 16 | 0.2 | 575  | 0.5  | 2  | 1.35 | 250 | 28.6 | 1.7  | 0.040 | 34 | 6.7 |
| 52H | 771008 | 16              | 424024 | 5472200   | DIBS GT 5 | 30      | 00    | H           |   |   |            | BR GN |    | 205 | 64 | 3  | 40 | 15 | 0.1 | 520  | 1.0  | 1  | 2.10 | 190 | 50.8 | 2.1  | 0.050 | 28 | 7.0 |
| 52H | 771009 | 16              | 422455 | 5471480   | DIBS LT 1 | 8       | 00    | M           |   |   |            | BR GN |    | 126 | 50 | 2  | 19 | 6  | 0.1 | 50   | 0.5  | 1  | 0.50 | 80  | 36.4 | 0.5  | 0.010 | 30 | 6.7 |
| 52H | 771010 | 16              | 421637 | 5474499   | DIBS LT 1 | 27      | 00    | H           |   |   |            | GN    |    | 138 | 94 | 1  | 27 | 10 | 0.1 | 170  | 0.5  | 1  | 1.85 | 100 | 53.8 | 1.8  | 0.030 | 24 | 7.3 |
| 52H | 771011 | 16              | 416682 | 5473075   | DIBS GT 5 | 22      | 00    | H           |   |   |            | BK GY |    | 40  | 12 | 7  | 17 | 8  | 0.1 | 215  | 0.5  | 1  | 1.80 | 40  | 39.2 | 0.8  | 0.190 | 42 | 7.9 |
| 52H | 771012 | 16              | 417584 | 5468467   | DIBS GT 5 | 14      | 00    | H           |   |   |            | BK GY |    | 42  | 16 | 4  | 11 | 6  | 0.1 | 215  | 0.5  | 1  | 1.20 | 40  | 2.6  | 1.0  | 0.120 | 36 | 7.6 |
| 52H | 771013 | 16              | 419695 | 5465851   | DIBS POND | 8       | 00    | M           |   |   |            | BR GN |    | 162 | 42 | 2  | 24 | 12 | 0.1 | 90   | 0.5  | 1  | 1.00 | 80  | 5.4  | 0.7  | 0.030 | 30 | 6.1 |
| 52H | 771014 | 16              | 422397 | 5467481   | DIBS LT 1 | 11      | 00    | M           |   |   |            | BR GN | L  | 122 | 26 | 5  | 25 | 12 | 0.1 | 185  | 0.5  | 1  | 1.60 | 190 | 49.8 | 0.8  | 0.030 | 28 | 6.6 |
| 52H | 771016 | 16              | 424335 | 5466484   | DIBS POND | 11      | 00    | H           |   |   |            | BR GN |    | 140 | 46 | 5  | 26 | 9  | 0.1 | 60   | 0.5  | 2  | 0.70 | 160 | 50.8 | 1.6  | 0.100 | 28 | 6.9 |
| 52H | 771017 | 16              | 423812 | 5467306   | DIBS POND | 9       | 00    | H           |   |   | 1          | BR GN |    | 174 | 36 | 2  | 32 | 7  | 0.1 | 70   | 0.5  | 1  | 0.70 | 120 | 54.4 | 0.9  | 0.130 | 40 | 6.8 |
| 52H | 771018 | 16              | 422895 | 5461564   | DIBS POND | 9       | 00    | M           |   |   |            | BR GN |    | 130 | 36 | 3  | 27 | 8  | 0.1 | 50   | 0.5  | 1  | 0.55 | 90  | 53.8 | 0.6  | 0.010 | 24 | 5.6 |
| 52H | 771019 | 16              | 425606 | 5460743   | GRCK LT 1 | 5       | 00    | H           |   |   |            | BR GN |    | 144 | 32 | 4  | 18 | 5  | 0.1 | 40   | 0.5  | 2  | 0.40 | 120 | 42.6 | 1.2  | 0.060 | 36 | 6.6 |
| 52H | 771020 | 16              | 426899 | 5459302   | GRCK POND | 4       | 00    | H           |   |   |            | BR GN |    | 96  | 22 | 4  | 18 | 11 | 0.1 | 125  | 0.5  | 1  | 1.05 | 120 | 33.8 | 1.4  | 0.020 | 32 | 6.5 |
| 52H | 771022 | 16              | 408788 | 5437624   | GRNT POND | 4       | 00    | H           |   |   |            | BR    |    | 58  | 22 | 3  | 12 | 8  | 0.1 | 50   | 0.5  | 3  | 0.50 | 80  | 55.4 | 3.8  | 0.060 | 48 | 7.2 |
| 52H | 771023 | 16              | 413864 | 5437446   | SMRK POND | 5       | 00    | H           |   |   | 1          | BR    |    | 98  | 38 | 5  | 20 | 6  | 0.1 | 125  | 0.5  | 3  | 1.70 | 70  | 44.6 | 5.5  | 0.005 | 42 | 7.2 |
| 52H | 771024 | 16              | 415184 | 5440393   | SMRK LT 1 | 26      | 00    | H           |   |   |            | BR    |    | 92  | 48 | 5  | 16 | 6  | 0.1 | 130  | 0.5  | 5  | 1.35 | 130 | 50.2 | 10.1 | 0.120 | 52 | 7.8 |
| 52H | 771025 | 16              | 418260 | 5440884   | GRNT POND | 6       | 00    | H           |   |   |            | BR GY |    | 48  | 28 | 2  | 6  | 1  | 0.1 | 135  | 0.5  | 4  | 0.65 | 70  | 34.6 | 4.8  | 0.240 | 58 | 7.7 |
| 52H | 771026 | 16              | 417013 | 5441985   | GRNT POND | 18      | 00    | H           |   |   |            | BR    |    | 78  | 44 | 5  | 21 | 8  | 0.1 | 210  | 0.5  | 2  | 2.15 | 120 | 30.4 | 7.3  | 0.600 | 72 | 7.9 |
| 52H | 771027 | 16              | 414711 | 5442708   | SMRK POND | 5       | 00    | M           |   |   | 1          | GY    |    | 24  | 8  | 1  | 1  | 1  | 0.1 | 95   | 0.5  | 5  | 0.30 | 30  | 6.4  | 5.4  | 0.340 | 72 | 7.8 |
| 52H | 771028 | 16              | 407665 | 5442645   | GRNT 1-5  | 22      | 00    | H           |   |   | 1          | GY    |    | 42  | 18 | 6  | 16 | 7  | 0.1 | 540  | 0.5  | 2  | 2.10 | 70  | 5.2  | 1.3  | 0.200 | 56 | 7.9 |
| 52H | 771030 | 16              | 413613 | 5449203   | GRCK POND | 4       | 00    | H           |   |   |            | BR    |    | 46  | 24 | 3  | 12 | 3  | 0.1 | 70   | 1.0  | 3  | 0.80 | 50  | 48.0 | 4.9  | 0.130 | 64 | 7.9 |
| 52H | 771031 | 16              | 412296 | 5449684   | GRCK POND | 22      | 00    | H           |   |   | 1          | BR GN |    | 96  | 22 | 4  | 21 | 8  | 0.1 | 335  | 2.5  | 5  | 2.25 | 100 | 42.8 | 4.3  | 0.490 | 80 | 7.9 |
| 52H | 771032 | 16              | 414368 | 5455024   | SMRK LT 1 | 68      | 00    | H           |   |   | 1          | BK    |    | 94  | 78 | 1  | 19 | 19 | 0.1 | 4600 | 22.0 | 8  | 6.45 | 150 | 37.4 | 5.3  | 0.430 | 46 | 7.9 |
| 52H | 771033 | 16              | 412643 | 5459337   | DIBS LT 1 | 27      | 00    | H           |   |   |            | BR    |    | 82  | 46 | 2  | 12 | 11 | 0.1 | 215  | 0.5  | 2  | 1.15 | 170 | 45.4 | 0.5  | 0.005 | 32 | 6.2 |
| 52H | 771034 | 16              | 411180 | 5458948   | DIBS LT 1 | 83      | 00    | H           |   |   |            | BR    |    | 136 | 80 | 4  | 16 | 16 | 0.1 | 6630 |      | 2  | 3.80 |     |      | 0.9  | 0.005 | 24 | 6.5 |
| 52H | 771035 | 16              | 411735 | 5461229   | DIBS POND | 39      | 70    | H           |   |   |            | BR    |    | 128 | 62 | 2  | 16 | 23 | 0.1 | 625  | 0.5  | 2  | 2.10 | 160 | 45.0 | 0.6  | 0.005 | 28 | 6.3 |
| 52H | 771036 | 16              | 409867 | 5462483   | DIBS POND | 11      | 10    | H           |   |   |            | BR GN |    | 128 | 62 | 2  | 17 | 14 | 0.1 | 135  | 0.5  | 2  | 1.75 | 100 | 43.0 | 0.8  | 0.010 | 26 | 6.2 |
| 52H | 771037 | 16              | 409867 | 5462483   | DIBS POND | 11      | 20    | H           |   |   |            | BR GN |    | 112 | 70 | 2  | 19 | 14 | 0.1 | 140  | 0.5  | 2  | 1.90 | 90  | 60.2 | 0.8  | 0.005 | 30 | 6.2 |
| 52H | 771038 | 16              | 407775 | 5458984   | DIBS POND | 16      | 00    | M           |   |   |            | BR GN |    | 138 | 80 | 11 | 20 | 15 | 0.1 | 115  | 0.5  | 2  | 1.80 | 130 | 39.0 | 0.6  | 0.005 | 28 | 6.2 |

## REGIONAL LAKE SEDIMENT AND WATER GEOCHEMICAL RECONNAISSANCE DATA, ONTARIO 1977.

GSC-OF 507, NGR 18-1977, NTS 52A, 52H(S/2)

| MAP | SAMPLE | UTM COORDINATES |        |         | ROCK TYPE | LAKE AREA | SMP DTH | RP ST | R E G I O N |   |    | SAMP COLOR | S U P | ZN  | CU  | PB | NI | CO | AG  | MN   | AS  | MO | FE   | HG  | LOI  | U    | U-W   | F-W | PH  |
|-----|--------|-----------------|--------|---------|-----------|-----------|---------|-------|-------------|---|----|------------|-------|-----|-----|----|----|----|-----|------|-----|----|------|-----|------|------|-------|-----|-----|
|     |        | ZN              | EAST   | NORTH   |           |           |         |       | F           | L | T  |            |       |     |     |    |    |    |     |      |     |    |      |     |      |      |       |     |     |
| 52H | 771039 | 16              | 406149 | 5461994 | GRCK      | POND      | 11      | 00    | M           |   | BR | GN         | L     | 128 | 36  | 6  | 24 | 12 | 0.2 | 135  | 0.5 | 1  | 1.40 | 230 | 20.0 | 0.9  | 0.005 | 36  | 6.3 |
| 52H | 771040 | 16              | 407509 | 5464984 | GRCK      | POND      | 6       | 00    | M           |   |    | BR         | L     | 58  | 62  | 3  | 19 | 4  | 0.1 | 60   | 2.0 | 2  | 0.50 | 120 | 47.2 | 0.9  | 0.010 | 32  | 5.8 |
| 52H | 771042 | 16              | 407724 | 5472550 | DIBS      | 1-5       | 13      | 00    | H           |   | GY | GN         |       | 68  | 48  | 9  | 18 | 9  | 0.1 | 440  | 0.5 | 2  | 2.55 | 110 | 16.4 | 1.4  | 0.040 | 46  | 7.8 |
| 52H | 771043 | 16              | 409711 | 5474866 | DIBS      | POND      | 11      | 00    | M           |   | BR | GN         |       | 70  | 76  | 3  | 10 | 6  | 0.1 | 75   | 0.5 | 2  | 0.50 | 100 | 61.4 | 0.4  | 0.005 | 46  | 7.1 |
| 52H | 771044 | 16              | 407826 | 5476032 | DIBS      | 1-5       | 11      | 00    | M           |   | GY | GN         |       | 82  | 54  | 6  | 25 | 12 | 0.1 | 305  | 0.5 | 2  | 2.85 | 80  | 19.6 | 1.6  | 0.005 | 44  | 7.5 |
| 52H | 771045 | 16              | 414396 | 5474484 | DIBS      | POND      | 76      | 00    | H           |   | BR | GN         |       | 130 | 200 | 2  | 26 | 17 | 0.1 | 440  | 1.0 | 2  | 3.35 | 180 | 38.4 | 1.0  | 0.005 | 32  | 7.0 |
| 52H | 771046 | 16              | 413979 | 5472425 | DIBS      | POND      | 26      | 70    | H           |   | BR | GN         |       | 74  | 90  | 3  | 19 | 11 | 0.1 | 300  | 0.5 | 2  | 2.20 | 130 | 23.0 | 1.1  | 0.010 | 30  | 7.0 |
| 52H | 771047 | 16              | 415205 | 5471160 | DIBS      | POND      | 12      | 10    | H           |   | BR | GN         |       | 72  | 106 | 1  | 18 | 12 | 0.1 | 210  | 0.5 | 1  | 1.30 |     | 34.2 | 0.8  | 0.005 | 30  | 6.9 |
| 52H | 771048 | 16              | 415205 | 5471160 | DIBS      | POND      | 12      | 20    | H           |   | BR | GN         |       | 66  | 102 | 1  | 17 | 10 | 0.1 | 190  | 0.5 | 2  | 1.15 | 100 | 32.8 | 0.8  | 0.005 | 26  | 7.0 |
| 52H | 771049 | 16              | 414689 | 5468909 | DIBS      | POND      | 14      | 00    | H           |   | BR | GN         |       | 102 | 160 | 1  | 18 | 11 | 0.1 | 135  | 0.5 | 3  | 1.50 | 100 | 51.0 | 1.1  | 0.005 | 40  | 6.9 |
| 52H | 771050 | 16              | 412404 | 5466348 | DIBS      | POND      | 4       | 00    | H           |   |    | BR         | L     | 98  | 108 | 2  | 18 | 11 | 0.1 | 60   | 0.5 | 3  | 0.70 | 110 | 74.8 | 0.6  | 0.005 | 34  | 6.6 |
| 52H | 771051 | 16              | 411160 | 5465394 | DIBS      | POND      | 20      | 00    | H           |   | BR | GN         |       | 80  | 110 | 2  | 22 | 12 | 0.1 | 265  | 0.5 | 1  | 1.45 | 150 | 40.8 | 1.3  | 0.005 | 24  | 7.0 |
| 52H | 771052 | 16              | 417091 | 5465661 | DIBS      | POND      | 10      | 00    | H           |   | BR | GN         |       | 60  | 52  | 2  | 22 | 12 | 0.1 | 80   | 0.5 | 1  | 0.60 | 90  | 45.0 | 0.6  | 0.005 | 26  | 6.5 |
| 52H | 771053 | 16              | 415533 | 5462528 | DIBS      | LT 1      | 20      | 00    | H           |   |    | BR         |       | 76  | 54  | 3  | 19 | 13 | 0.1 | 180  | 0.5 | 1  | 1.30 | 170 | 49.8 | 0.7  | 0.005 | 22  | 6.4 |
| 52H | 771054 | 16              | 421818 | 5459507 | DIBS      | POND      | 9       | 00    | M           |   | BR | GN         |       | 64  | 26  | 4  | 18 | 6  | 0.1 | 50   | 0.5 | 1  | 0.40 | 110 | 40.4 | 0.8  | 0.005 | 26  | 6.5 |
| 52H | 771055 | 16              | 423672 | 5458355 | DIBS      | POND      | 3       | 00    | M           |   | BR | GN         | L     | 74  | 18  | 8  | 20 | 8  | 0.1 | 75   | 0.5 | 1  | 0.55 | 130 | 47.2 | 1.0  | 0.005 | 26  | 6.0 |
| 52H | 771056 | 16              | 418981 | 5459838 | SMRK      | 1-5       | 48      | 00    | H           | 1 | BR | GN         |       | 120 | 74  | 4  | 25 | 13 | 0.1 | 220  | 8.5 | 2  | 2.85 | 100 | 41.2 | 4.5  | 0.010 | 28  | 7.4 |
| 52H | 771057 | 16              | 417680 | 5457767 | SMRK      | LT 1      | 41      | 00    | H           | 1 | BR | GN         |       | 180 | 74  | 8  | 33 | 33 | 0.1 | 1150 | 7.0 | 3  | 2.80 | 120 | 38.4 | 2.2  | 0.005 | 24  | 7.0 |
| 52H | 771058 | 16              | 417293 | 5454682 | DIBS      | POND      | 13      | 00    | M           |   | BR | GN         |       | 194 | 76  | 4  | 20 | 23 | 0.1 | 490  | 1.0 | 1  | 1.75 | 130 | 48.2 | 0.8  | 0.005 | 26  | 6.1 |
| 52H | 771060 | 16              | 420486 | 5448378 | GRNT      | 1-5       | 37      | 00    | H           |   | BR | GN         |       | 110 | 32  | 7  | 17 | 18 | 0.1 | 390  | 0.5 | 1  | 1.70 | 150 | 40.0 | 6.3  | 0.020 | 32  | 6.7 |
| 52H | 771062 | 16              | 419896 | 5449503 | GRCK      | POND      | 16      | 00    | H           |   | BR | GN         |       | 62  | 28  | 6  | 19 | 9  | 0.2 | 140  | 0.5 | 1  | 0.80 | 120 | 51.0 | 12.9 | 0.220 | 36  | 6.3 |
| 52H | 771063 | 16              | 418810 | 5448293 | GRNT      | POND      | 47      | 00    | H           |   | BR | GN         |       | 82  | 36  | 11 | 15 | 13 | 0.1 | 340  | 0.5 | 2  | 1.55 | 130 | 61.4 | 25.4 | 0.210 | 38  | 6.5 |
| 52H | 771064 | 16              | 418266 | 5448709 | GRCK      | POND      | 4       | 00    | H           |   | BR | GN         | L     | 88  | 24  | 6  | 22 | 15 | 0.1 | 315  | 1.0 | 1  | 1.50 | 110 | 29.8 | 1.7  | 0.070 | 30  | 7.3 |
| 52H | 771065 | 16              | 425790 | 5448544 | GRNT      | LT 1      | 11      | 70    | M           |   | BR | GN         |       | 62  | 20  | 8  | 19 | 5  | 0.1 | 45   | 0.5 | 1  | 0.35 | 100 | 59.4 | 20.4 | 0.300 | 40  | 6.4 |
| 52H | 771066 | 16              | 425130 | 5446078 | GRNT      | LT 1      | 20      | 10    | M           |   | BR | GN         |       | 80  | 28  | 6  | 20 | 10 | 0.1 | 200  | 0.5 | 1  | 1.00 | 100 | 54.8 | 9.9  | 0.090 | 36  | 6.5 |
| 52H | 771067 | 16              | 425130 | 5446078 | GRNT      | LT 1      | 20      | 20    | M           |   | BR | GN         |       | 76  | 30  | 3  | 18 | 10 | 0.1 | 200  | 0.5 | 2  | 0.95 | 100 | 55.6 | 9.8  | 0.110 | 34  | 6.5 |
| 52H | 771068 | 16              | 425719 | 5442306 | GRNT      | LT 1      | 3       | 00    | M           | 1 | BR | GN         |       | 96  | 8   | 15 | 11 | 12 | 0.1 | 390  | 1.0 | 1  | 1.00 | 90  | 31.4 | 7.4  | 0.440 | 40  | 6.8 |
| 52H | 771069 | 16              | 422870 | 5436918 | GRNT      | LT 1      | 5       | 00    | H           | 1 |    | BR         |       | 46  | 8   | 10 | 11 | 12 | 0.1 | 350  | 0.5 | 1  | 1.30 | 80  | 24.0 | 6.6  | 0.440 | 38  | 6.9 |
| 52H | 771070 | 16              | 426398 | 5435814 | GRNT      | POND      | 15      | 00    | M           |   |    | BR         |       | 86  | 22  | 8  | 20 | 4  | 0.1 | 75   | 0.5 | 1  | 0.55 | 100 | 57.8 | 14.5 | 0.380 | 40  | 6.7 |
| 52H | 771071 | 16              | 424323 | 5428668 | GRNT      | GT 5      | 45      | 00    | H           | 1 |    | GY         |       | 66  | 24  | 9  | 33 | 14 | 0.1 | 650  | 1.0 | 1  | 3.05 | 50  | 5.8  | 2.4  | 0.290 | 36  | 7.9 |
| 52H | 771072 | 16              | 422692 | 5428096 | SMRK      | GT 5      | 41      | 00    | H           | 1 |    | GY         |       | 64  | 18  | 7  | 28 | 12 | 0.3 | 570  | 1.0 | 1  | 2.65 | 50  | 5.2  | 2.0  | 0.200 | 42  | 7.9 |
| 52H | 771073 | 16              | 417504 | 5430317 | DIBS      | 1-5       | 42      | 00    | H           | 1 | BR | GN         |       | 58  | 190 | 6  | 20 | 12 | 0.1 | 70   | 0.5 | 2  | 1.65 | 190 | 37.8 | 1.8  | 0.070 | 26  | 7.0 |
| 52H | 771074 | 16              | 417214 | 5432228 | DIBS      | LT 1      | 8       | 00    | H           | 1 |    | BR         |       | 74  | 102 | 5  | 24 | 14 | 0.1 | 275  | 0.5 | 2  | 0.65 | 190 | 53.2 | 2.2  | 0.050 | 28  | 6.6 |
| 52H | 771075 | 16              | 413375 | 5433851 | DIBS      | 1-5       | 12      | 00    | H           |   |    | BR         |       | 48  | 64  | 2  | 15 | 4  | 0.1 | 45   | 0.5 | 1  | 0.50 | 110 | 59.2 | 3.5  | 0.120 | 26  | 7.4 |
| 52H | 771076 | 16              | 410474 | 5433300 | GRNT      | POND      | 12      | 00    | H           |   |    | BR         |       | 62  | 42  | 7  | 15 | 6  | 0.1 | 90   | 0.5 | 1  | 0.75 | 140 | 53.2 | 3.9  | 0.150 | 34  | 7.5 |
| 52H | 771078 | 16              | 408444 | 5428646 | GRNT      | LT 1      | 13      | 00    | M           | 1 |    | GY         |       | 58  | 30  | 20 | 17 | 7  | 0.1 | 235  | 1.0 | 1  | 1.40 | 140 | 3.2  | 1.3  | 2.700 | 48  | 8.1 |
| 52H | 771079 | 16              | 407808 | 5432006 | GRNG      | GT 5      | 35      | 00    | H           | 1 |    | GY         |       | 34  | 28  | 8  | 16 | 8  | 0.1 | 405  | 0.5 | 1  | 1.45 | 50  | 2.6  | 1.2  | 0.150 | 46  | 7.9 |
| 52H | 771080 | 16              | 406724 | 5436287 | GRNT      | GT 5      | 41      | 00    | H           | 1 |    | GY         |       | 34  | 28  | 7  | 15 | 8  | 0.1 | 435  | 0.5 | 1  | 1.45 | 40  | 3.8  | 1.4  | 0.200 | 42  | 8.0 |
| 52H | 773002 | 16              | 352449 | 5431130 | DIBS      | 1-5       | 19      | 00    | M           |   |    | BR         | GN    | 80  | 118 | 2  | 35 | 16 | 0.1 | 325  | 1.0 | 2  | 1.85 | 170 | 33.2 | 2.5  | 0.020 | 40  | 7.2 |
| 52H | 773004 | 16              | 352464 | 5433299 | DIBS      | 1-5       | 30      | 00    | L           |   |    | BR         | GN    | 62  | 82  | 2  | 21 | 10 | 0.1 | 195  | 1.0 | 1  | 1.30 | 90  | 26.2 | 2.2  | 0.080 | 56  | 7.7 |
| 52H | 773005 | 16              | 353359 | 5436122 | SMRK      | LT 1      | 17      | 70    | M           |   |    | BR         | GN    | 82  | 194 | 2  | 24 | 10 | 0.1 | 135  | 0.5 | 1  | 0.75 | 180 | 41.2 | 2.3  | 0.005 | 52  | 7.3 |
| 52H | 773006 | 16              | 351080 | 5437315 | SMRK      | 1-5       | 5       | 10    | L           |   |    | BR         | GN    | 78  | 136 | 3  | 32 | 9  | 0.1 | 110  | 4.0 | 3  | 1.05 | 170 | 50.2 | 9.4  | 0.270 | 54  | 7.4 |
| 52H | 773007 | 16              | 351080 | 5437315 | SMRK      | 1-5       | 7       | 20    | L           |   |    | BR         | GN    | 70  | 128 | 2  | 29 | 8  | 0.1 | 95   | 3.5 | 2  | 0.95 | 200 | 50.4 | 10.2 | 0.250 | 58  | 7.4 |
| 52H | 773008 | 16              | 345662 | 5440998 | DIBS      | LT 1      | 15      | 00    | M           |   |    | BR         | TN    | 40  | 56  | 2  | 12 | 3  | 0.1 | 105  | 0.5 | 1  | 0.40 | 150 | 40.2 | 1.9  | 0.005 | 52  | 6.9 |
| 52H | 773009 | 16              | 342492 | 5446766 | UKNN      | 1-5       | 11      | 00    | L           |   |    | BR         | GN    | 88  | 68  | 1  | 22 | 10 | 0.1 | 410  | 0.5 | 1  | 1.70 | 150 | 46.0 | 2.3  | 0.005 | 34  | 6.9 |
| 52H | 773010 | 16              | 339052 | 5451722 | UKNN      | 1-5       | 13      | 00    | L           | 1 |    | BR         | GN    | 78  | 78  | 1  | 30 | 12 | 0.1 | 490  | 0.5 | 2  | 1.70 | 100 | 43.0 | 1.8  | 0.005 | 28  | 7.0 |
| 52H | 773011 | 16              | 335244 | 5453814 | UKNN      | 1-5       | 16      | 00    | L           |   |    | BR         | GN    | 86  | 82  | 2  | 31 | 9  | 0.1 | 390  | 0.5 | 2  | 1.85 | 160 | 34.2 | 1.3  | 0.005 | 30  | 7.0 |
| 52H | 773012 | 16              | 329579 | 5462249 | GRNG      | 1-5       | 13      | 00    | L           |   |    | BK         | GN    | 130 | 84  | 1  | 35 | 16 | 0.1 | 610  | 0.5 | 2  | 3.25 | 240 | 31.6 | 2.3  | 0.005 | 32  | 7.0 |
| 52H | 773013 | 16              | 328424 | 5463912 | GRNG      | 1-5       | 9       | 00    | L           |   |    | BR         | GN    | 58  | 100 | 2  | 15 | 6  | 0.1 | 125  | 0.5 | 2  | 0.70 | 230 | 38.2 | 1.0  | 0.005 | 36  | 7.1 |
| 52H | 773014 | 16              | 402259 | 5432260 | DIBS      | LT 1      | 39      | 00    | H           | 1 |    | BR         | GN    | 106 | 84  | 2  | 15 | 6  | 0.1 | 130  | 0.5 | 2  | 0.65 | 100 | 52.6 | 3.0  | 0.005 | 36  | 7.5 |

| MAP | SAMPLE | UTM COORDINATES |        |         | ROCK TYPE | LAKE AREA | SMP DTH | RP ST | R<br>E<br>L<br>F | C<br>E<br>L<br>L | S<br>E<br>R<br>I<br>E<br>S | S<br>A<br>M<br>P<br>L<br>E | S<br>U<br>B<br>S<br>T<br>R<br>A<br>T<br>E<br>M | ZN  | CU | PB | NI | CO  | AG   | MN  | AS | MO    | FE  | HG   | LOI  | U     | U-W | F-W | PH |
|-----|--------|-----------------|--------|---------|-----------|-----------|---------|-------|------------------|------------------|----------------------------|----------------------------|--|-----|----|----|----|-----|------|-----|----|-------|-----|------|------|-------|-----|-----|----|
|     |        | ZN              | EAST   | NORTH   |           |           |         |       |                  |                  |                            |                            |  |     |    |    |    |     |      |     |    |       |     |      |      |       |     |     |    |
| 52H | 773015 | 16              | 399645 | 5439082 | GRNG      | LT 1      | 3       | 00    | H                |                  | BR GN                      |                            | 102  | 28  | 8  | 25 | 7  | 0.1 | 160  | 0.5 | 1  | 0.45  | 150 | 50.6 | 4.2  | 0.150 | 30  | 6.7 |    |
| 52H | 773016 | 16              | 399998 | 5437651 | GRNG      | LT 1      | 8       | 00    | M                |                  | BR GN                      |                            | 138  | 54  | 7  | 46 | 9  | 0.1 | 95   | 0.5 | 1  | 0.70  | 170 | 45.0 | 5.5  | 0.120 | 30  | 6.7 |    |
| 52H | 773017 | 16              | 396511 | 5445045 | DIBS      | 1-5       | 20      | 00    | H                |                  | BR GN                      |                            | 168  | 88  | 5  | 31 | 12 | 0.1 | 500  | 1.0 | 2  | 2.40  | 180 | 31.8 | 10.5 | 0.090 | 38  | 7.0 |    |
| 52H | 773018 | 16              | 392693 | 5447819 | DIBS      | LT 1      | 17      | 00    | H                |                  | BR GN                      |                            | 148  | 102 | 3  | 29 | 11 | 0.1 | 235  | 1.0 | 3  | 1.50  | 140 | 57.8 | 13.2 | 0.150 | 36  | 6.7 |    |
| 52H | 773019 | 16              | 385532 | 5453844 | DIBS      | GT 5      | 60      | 00    | L                |                  | BR GN                      |                            | 74   | 172 | 3  | 32 | 12 | 0.1 | 495  | 0.5 | 2  | 1.95  | 170 | 35.6 | 3.1  | 0.005 | 32  | 7.4 |    |
| 52H | 773020 | 16              | 381954 | 5459093 | DIBS      | POND      | 9       | 00    | M                |                  | BR GN                      |                            | 66   | 96  | 5  | 54 | 11 | 0.1 | 110  | 0.5 | 1  | 1.00  | 120 | 41.4 | 0.5  | 0.005 | 26  | 6.5 |    |
| 52H | 773022 | 16              | 379702 | 5462040 | DIBS      | 1-5       | 28      | 00    | H                |                  | BR GN                      |                            | 148  | 102 | 1  | 50 | 24 | 0.1 | 490  | 1.0 | 2  | 4.85  | 110 | 21.4 | 0.9  | 0.005 | 26  | 7.0 |    |
| 52H | 773023 | 16              | 373890 | 5466487 | DIBS      | POND      | 15      | 00    | M                |                  | BR GN                      |                            | 118  | 146 | 5  | 32 | 14 | 0.1 | 95   | 0.5 | 2  | 1.30  | 90  | 52.6 | 1.5  | 0.005 | 38  | 7.8 |    |
| 52H | 773024 | 16              | 369912 | 5469250 | DIBS      | LT 1      | 55      | 70    | M                |                  | BR GN                      |                            | 184  | 370 | 4  | 26 | 14 | 0.1 | 415  | 0.5 | 2  | 1.75  | 110 | 47.6 | 0.8  | 0.005 | 24  | 7.0 |    |
| 52H | 773026 | 16              | 369281 | 5468964 | DIBS      | POND      | 13      | 10    | M                |                  | BR GN                      |                            | 116  | 76  | 4  | 19 | 11 | 0.1 | 105  | 0.5 | 1  | 0.70  | 80  | 57.8 | 0.6  | 0.005 | 22  | 6.2 |    |
| 52H | 773027 | 16              | 369281 | 5468964 | DIBS      | POND      | 15      | 20    | M                |                  | BR GN                      |                            | 106  | 76  | 3  | 18 | 11 | 0.1 | 85   | 0.5 | 2  | 0.70  | 80  | 59.4 | 0.4  | 0.005 | 36  | 6.2 |    |
| 52H | 773028 | 16              | 366704 | 5471388 | SMRK      | LT 1      | 13      | 00    | M                |                  | GY GN                      |                            | 82   | 68  | 3  | 24 | 17 | 0.1 | 440  | 0.5 | 1  | 2.70  | 100 | 14.4 | 1.2  | 0.005 | 24  | 7.0 |    |
| 52H | 773029 | 16              | 362881 | 5472221 | DIBS      | GT 5      | 63      | 00    | M                |                  | BR GN                      |                            | 66   | 68  | 5  | 32 | 14 | 0.1 | 850  | 1.5 | 1  | 3.00  | 40  | 6.2  | 2.2  | 0.030 | 38  | 7.5 |    |
| 52H | 773030 | 16              | 358583 | 5472194 | DIBS      | POND      | 11      | 00    | L                |                  | BR GN                      |                            | 52   | 144 | 4  | 13 | 4  | 0.1 | 60   | 0.5 | 1  | 0.40  | 170 | 33.2 | 0.4  | 0.050 | 28  | 6.5 |    |
| 52H | 773031 | 16              | 354602 | 5473156 | DIBS      | LT 1      | 49      | 00    | M                |                  | BR GN                      |                            | 136  | 168 | 8  | 28 | 10 | 0.2 | 315  | 1.0 | 1  | 1.80  | 330 | 40.0 | 0.9  | 0.005 | 32  | 6.9 |    |
| 52H | 773032 | 16              | 353631 | 5469694 | DIBS      | GT 5      | 18      | 00    | M                |                  | GY GN                      |                            | 62   | 94  | 3  | 27 | 16 | 0.1 | 645  | 0.5 | 2  | 2.40  | 80  | 12.6 | 1.7  | 0.010 | 30  | 7.2 |    |
| 52H | 773033 | 16              | 348073 | 5464312 | DIBS      | LT 1      | 40      | 00    | M                |                  | BR GN                      |                            | 138  | 146 | 3  | 34 | 16 | 0.1 | 170  | 0.5 | 1  | 1.70  | 110 | 48.6 | 1.6  | 0.005 | 26  | 6.8 |    |
| 52H | 773034 | 16              | 350680 | 5461836 | DIBS      | LT 1      | 18      | 00    | M                |                  | BR GN                      |                            | 112  | 122 | 3  | 28 | 12 | 0.1 | 180  | 0.5 | 1  | 1.75  | 170 | 42.0 | 0.3  | 0.005 | 26  | 6.9 |    |
| 52H | 773035 | 16              | 347856 | 5459437 | UKNN      | LT 1      | 8       | 00    | M                |                  | BR GN                      |                            | 48   | 76  | 5  | 12 | 4  | 0.1 | 70   | 0.5 | 1  | 0.40  | 90  | 45.4 | 1.4  | 0.005 | 30  | 6.5 |    |
| 52H | 773036 | 16              | 346284 | 5457037 | UKNN      | 1-5       | 18      | 00    | M                |                  | BR GN                      |                            | 136  | 140 | 1  | 78 | 39 | 0.1 | 420  | 0.5 | 2  | 6.15  | 100 | 27.0 | 11.0 | 0.020 | 30  | 6.9 |    |
| 52H | 773037 | 16              | 344027 | 5453164 | UKNN      | 1-5       | 14      | 00    | M                |                  | BR GN                      |                            | 120  | 78  | 4  | 33 | 12 | 0.1 | 315  | 0.5 | 2  | 1.85  | 150 | 39.6 | 1.3  | 0.030 | 34  | 6.9 |    |
| 52H | 773038 | 16              | 340901 | 5453198 | UKNN      | LT 1      | 14      | 00    | M                |                  | BR GN                      |                            | 120  | 64  | 3  | 27 | 9  | 0.2 | 370  | 0.5 | 1  | 1.70  | 160 | 43.8 | 1.7  | 0.005 | 32  | 6.9 |    |
| 52H | 773039 | 16              | 338893 | 5453696 | UKNN      | LT 1      | 26      | 00    | M                |                  | BR GN                      |                            | 138  | 128 | 4  | 27 | 10 | 0.1 | 535  | 0.5 | 3  | 2.20  | 130 | 44.6 | 1.8  | 0.010 | 26  | 7.0 |    |
| 52H | 773040 | 16              | 337356 | 5457452 | UKNN      | LT 1      | 78      | 00    | M                |                  | BR GN                      |                            | 112  | 132 | 5  | 22 | 12 | 0.1 | 1600 | 2.0 | 2  | 4.70  | 150 | 41.6 | 1.7  | 0.005 | 28  | 7.5 |    |
| 52H | 773042 | 16              | 333157 | 5466601 | DIBS      | 1-5       | 16      | 00    | M                |                  | BR GN                      |                            | 116  | 68  | 3  | 21 | 10 | 0.1 | 415  | 1.0 | 2  | 3.50  | 150 | 30.0 | 2.3  | 0.020 | 32  | 7.2 |    |
| 52H | 773043 | 16              | 334485 | 5458122 | UKNN      | LT 1      | 3       | 00    | L                |                  | BR GN                      |                            | 106  | 144 | 9  | 14 | 3  | 0.1 | 80   | 0.5 | 2  | 0.45  | 110 | 60.6 | 0.9  | 0.010 | 36  | 7.2 |    |
| 52H | 773044 | 16              | 332909 | 5462854 | DIBS      | GT 5      | 6       | 00    | M                |                  | BR GN                      |                            | 106  | 50  | 2  | 18 | 11 | 0.1 | 570  | 1.0 | 2  | 3.40  | 120 | 18.8 | 2.0  | 0.010 | 34  | 7.2 |    |
| 52H | 773045 | 16              | 330326 | 5464686 | DIBS      | 1-5       | 19      | 00    | M                |                  | BR GN                      |                            | 106  | 146 | 2  | 28 | 14 | 0.1 | 370  | 1.0 | 3  | 3.85  | 120 | 31.4 | 7.4  | 0.160 | 42  | 7.5 |    |
| 52H | 773046 | 16              | 298038 | 5452435 | UKNN      | 1-5       | 5       | 00    | M                |                  | BR GN                      |                            | 92   | 68  | 4  | 21 | 7  | 0.1 | 150  | 1.0 | 3  | 1.25  | 130 | 36.4 | 6.8  | 0.250 | 100 | 6.7 |    |
| 52H | 773047 | 16              | 296269 | 5450153 | UKNN      | LT 1      | 8       | 00    | M                |                  | BR GN                      |                            | 104  | 30  | 6  | 11 | 5  | 0.1 | 245  | 0.5 | 3  | 0.90  | 190 | 59.8 | 1.1  | 0.020 | 72  | 6.5 |    |
| 52H | 773048 | 16              | 292447 | 5447379 | UKNN      | 1-5       | 8       | 00    | M                |                  | BR TN                      |                            | 100  | 50  | 5  | 27 | 9  | 0.2 | 315  | 1.5 | 2  | 1.55  | 60  | 38.0 | 1.5  | 0.020 | 46  | 6.6 |    |
| 52H | 773049 | 16              | 291526 | 5445410 | UKNN      | POND      | 30      | 70    | M                |                  | BR GN                      |                            | 104  | 60  | 2  | 25 | 10 | 0.1 | 415  | 1.0 | 2  | 1.70  | 90  | 44.4 | 1.2  | 0.180 | 46  | 6.6 |    |
| 52H | 773050 | 16              | 290774 | 5442757 | UKNN      | LT 1      | 4       | 10    | M                |                  | BR GN                      |                            | 92   | 38  | 5  | 25 | 9  | 0.1 | 320  | 1.0 | 3  | 1.55  | 120 | 34.6 | 1.2  | 0.005 | 40  | 6.5 |    |
| 52H | 773051 | 16              | 290774 | 5442757 | UKNN      | LT 1      | 4       | 20    | M                |                  | BR GN                      |                            | 104  | 38  | 5  | 25 | 8  | 0.2 | 330  | 1.5 | 2  | 1.45  | 120 | 35.2 | 1.0  | 0.020 | 38  | 6.6 |    |
| 52H | 773052 | 16              | 289973 | 5439140 | UKNN      | 1-5       | 13      | 00    | M                |                  | BR GN                      |                            | 235  | 34  | 5  | 26 | 38 | 0.1 | 2750 | 2.0 | 2  | 12.75 | 140 | 31.6 | 2.0  | 0.005 | 40  | 6.8 |    |
| 52H | 773054 | 16              | 289740 | 5437314 | GRNG      | 1-5       | 18      | 00    | M                |                  | BR GN                      |                            | 194  | 34  | 5  | 27 | 42 | 0.1 | 2700 | 3.0 | 2  | 8.50  | 120 | 30.4 | 1.7  | 0.010 | 38  | 6.8 |    |
| 52H | 773055 | 16              | 288564 | 5432717 | GRNG      | 1-5       | 33      | 00    | M                |                  | BR GN                      |                            | 66   | 16  | 5  | 13 | 9  | 0.1 | 325  | 0.5 | 1  | 2.00  | 50  | 14.2 | 0.9  | 0.005 | 48  | 6.9 |    |
| 52H | 773056 | 16              | 281105 | 5433776 | GRNG      | GT 5      | 11      | 00    | M                |                  | BR GN                      |                            | 94   | 38  | 3  | 22 | 10 | 0.1 | 275  | 0.5 | 2  | 1.85  | 40  | 31.4 | 1.5  | 0.050 | 46  | 7.2 |    |
| 52H | 773057 | 16              | 293243 | 5434092 | GRNG      | POND      | 10      | 00    | M                |                  | BR GN                      |                            | 106  | 38  | 12 | 13 | 7  | 0.1 | 125  | 0.5 | 2  | 0.70  | 80  | 54.0 | 0.9  | 0.005 | 38  | 6.4 |    |
| 52H | 773058 | 16              | 295496 | 5435261 | GRNG      | POND      | 9       | 00    | M                |                  | BR GN                      | L                          | 92   | 46  | 6  | 15 | 6  | 0.1 | 110  | 1.0 | 2  | 0.75  | 130 | 40.4 | 1.0  | 0.005 | 40  | 6.2 |    |
| 52H | 773059 | 16              | 299272 | 5439756 | UKNN      | POND      | 20      | 00    | M                |                  | BR TN                      |                            | 82   | 54  | 3  | 15 | 5  | 0.1 | 170  | 0.5 | 1  | 1.05  | 180 | 50.4 | 1.4  | 0.005 | 34  | 6.4 |    |
| 52H | 773060 | 16              | 302798 | 5440465 | UKNN      | LT 1      | 13      | 00    | M                |                  | BR GN                      |                            | 136  | 34  | 3  | 14 | 9  | 0.1 | 175  | 0.5 | 3  | 0.90  | 80  | 67.6 | 0.8  | 0.005 | 36  | 6.5 |    |
| 52H | 773062 | 16              | 307486 | 5441521 | UKNN      | 1-5       | 13      | 00    | M                |                  | BR GN                      |                            | 148  | 42  | 4  | 20 | 10 | 0.1 | 355  | 0.5 | 2  | 2.15  | 80  | 48.8 | 1.1  | 0.010 | 36  | 6.6 |    |
| 52H | 773063 | 16              | 308950 | 5444677 | UKNN      | 1-5       | 42      | 00    | M                |                  | BR GN                      |                            | 116  | 62  | 2  | 16 | 20 | 0.2 | 615  | 0.5 | 3  | 4.75  | 140 | 53.6 | 1.5  | 0.010 | 38  | 6.7 |    |
| 52H | 773064 | 16              | 312873 | 5447306 | DIBS      | POND      | 19      | 00    | M                |                  | BR GN                      |                            | 66   | 96  | 3  | 15 | 6  | 0.1 | 155  | 0.5 | 4  | 1.30  | 140 | 41.4 | 1.5  | 0.005 | 36  | 6.8 |    |
| 52H | 773065 | 16              | 329684 | 5453731 | DIBS      | LT 1      | 16      | 00    | M                |                  | BR GN                      |                            | 100  | 110 | 2  | 24 | 11 | 0.1 | 185  | 0.5 | 2  | 2.30  | 100 | 46.0 | 1.0  | 0.005 | 36  | 7.2 |    |
| 52H | 773066 | 16              | 330200 | 5452630 | MVCC      | POND      | 21      | 00    | M                |                  | BR GN                      |                            | 82   | 104 | 3  | 18 | 6  | 0.2 | 165  | 0.5 | 1  | 1.10  | 190 | 41.8 | 1.0  | 0.005 | 36  | 7.0 |    |
| 52H | 773067 | 16              | 335674 | 5450782 | UKNN      | POND      | 13      | 00    | M                |                  | BR GN                      |                            | 86   | 86  | 3  | 33 | 14 | 0.1 | 225  | 0.5 | 2  | 1.85  | 140 | 38.6 | 0.8  | 0.010 | 26  | 6.5 |    |
| 52H | 773068 | 16              | 341010 | 5451710 | UKNN      | LT 1      | 36      | 70    | M                |                  | BR GN                      |                            | 196  | 190 | 3  | 51 | 29 | 0.2 | 2750 | 1.0 | 3  | 6.95  | 160 | 42.0 | 1.7  | 0.005 | 36  | 7.0 |    |
| 52H | 773069 | 16              | 342327 | 5449511 | UKNN      | 1-5       | 33      | 10    | M                |                  | BR GN                      |                            | 124  | 265 | 4  | 37 | 12 | 0.1 | 410  | 0.5 | 3  | 2.95  | 170 | 39.2 | 1.2  | 0.005 | 32  | 6.9 |    |



| MAP | SAMPLE | UTM COORDINATES |        |         | ROCK TYPE | LAKE AREA | SMP DTH | RP ST | R E G I O N |   |   |   | SAMP COLOR | S U P | E L E M E N T S |     |     |    |     |    |     |      |      |    |      |      |      |       |       |     |     |
|-----|--------|-----------------|--------|---------|-----------|-----------|---------|-------|-------------|---|---|---|------------|-------|-----------------|-----|-----|----|-----|----|-----|------|------|----|------|------|------|-------|-------|-----|-----|
|     |        | ZN              | EAST   | NORTH   |           |           |         |       | F           | L | T | N |            |       | P               | ZN  | CU  | PB | NI  | CO | AG  | MN   | AS   | MO | FE   | HG   | LOI  | U     | U-W   | F-W | PH  |
| 52H | 773071 | 16              | 342327 | 5449511 | UKNN      | 1-5       | 39      | 20    | M           |   |   |   |            |       | BR GN           | 122 | 265 | 2  | 35  | 10 | 0.1 | 320  | 0.5  | 3  | 2.10 | 160  | 39.8 | 1.1   | 0.005 | 30  | 7.0 |
| 52H | 773072 | 16              | 345223 | 5447707 | SMRK      | LT 1      | 18      | 00    | M           |   |   |   |            |       | BR GN           | 130 | 148 | 2  | 41  | 10 | 0.1 | 115  | 0.5  | 3  | 0.95 | 90   | 64.6 | 1.5   | 0.005 | 26  | 6.9 |
| 52H | 773073 | 16              | 349765 | 5443414 | SMRK      | LT 1      | 9       | 00    | H           |   |   |   |            |       | BR GN           | 128 | 28  | 4  | 8   | 3  | 0.1 | 75   | 0.5  | 3  | 0.35 | 70   | 68.0 | 3.2   | 0.005 | 50  | 6.8 |
| 52H | 773074 | 16              | 356993 | 5439581 | DIBS      | LT 1      | 9       | 00    | H           |   |   |   |            |       | BR GN           | 76  | 380 | 5  | 45  | 10 | 0.1 | 155  | 4.0  | 5  | 1.70 | 140  | 54.4 | 11.0  | 0.280 | 62  | 6.4 |
| 52H | 773075 | 16              | 356644 | 5438212 | DIBS      | LT 1      | 53      | 00    | H           |   |   |   |            |       | BR GN           | 96  | 166 | 2  | 22  | 13 | 0.1 | 775  | 1.5  | 4  | 3.55 | 150  | 36.2 | 4.5   | 0.370 | 46  | 7.7 |
| 52H | 773076 | 16              | 355626 | 5434345 | SMRK      | GT 5      | 38      | 00    | M           |   |   |   |            |       | BR GN           | 102 | 114 | 2  | 44  | 15 | 0.2 | 520  | 1.0  | 1  | 2.45 | 170  | 35.4 | 2.3   | 0.030 | 40  | 7.4 |
| 52H | 773077 | 16              | 358384 | 5430716 | DIBS      | LT 1      | 43      | 00    | M           |   |   |   |            |       | BR GN           | 172 | 340 | 5  | 199 | 45 | 0.4 | 890  | 0.5  | 3  | 3.15 | 160  | 46.8 | 1.1   | 0.100 | 34  | 7.0 |
| 52H | 773078 | 16              | 364263 | 5430204 | DIBS      | GT 5      | 43      | 00    | H           |   |   |   |            |       | BR GN           | 118 | 200 | 6  | 61  | 18 | 0.4 | 270  | 4.0  | 3  | 2.70 | 100  | 37.0 | 7.5   | 0.300 | 56  | 7.6 |
| 52H | 773079 | 16              | 365825 | 5431052 | DIBS      | 1-5       | 60      | 00    | H           |   |   |   |            |       | BR TN           | 58  | 52  | 4  | 20  | 10 | 0.1 | 180  | 4.0  | 2  | 1.50 | 40   | 9.0  | 5.4   | 0.140 | 54  | 7.7 |
| 52H | 773080 | 16              | 369326 | 5430636 | DIBS      | LT 1      | 18      | 00    | M           |   |   |   |            |       | BR GN L         | 64  | 94  | 3  | 18  | 7  | 0.1 | 150  | 2.0  | 1  | 1.10 | 150  | 30.6 | 3.3   | 0.005 | 30  | 6.1 |
| 52H | 773082 | 16              | 373967 | 5431905 | SMRK      | 1-5       | 8       | 00    | M           |   |   |   |            |       | BR GN           | 66  | 80  | 2  | 11  | 3  | 0.1 | 60   | 5.0  | 3  | 0.75 | 90   | 51.0 | 3.8   | 0.590 | 58  | 8.1 |
| 52H | 773084 | 16              | 377973 | 5429573 | SMRK      | LT 1      | 8       | 00    | M           |   |   |   |            |       | BR GN L         | 94  | 114 | 4  | 18  | 7  | 0.1 | 105  | 3.0  | 2  | 1.05 | 190  | 46.2 | 4.3   | 0.310 | 58  | 7.8 |
| 52H | 773085 | 16              | 379126 | 5431365 | SMRK      | POND      | 9       | 00    | M           |   |   |   |            |       | BR TN           | 74  | 18  | 10 | 17  | 9  | 0.1 | 135  | 1.5  | 2  | 1.30 | 40   | 24.0 | 3.3   | 1.900 | 68  | 7.3 |
| 52H | 773086 | 16              | 380404 | 5433482 | SMRK      | 1-5       | 18      | 00    | M           |   |   |   |            |       | BR GN           | 46  | 60  | 5  | 7   | 4  | 0.1 | 590  | 3.5  | 8  | 0.95 | 60   | 17.2 | 7.6   | 2.000 | 86  | 7.8 |
| 52H | 773087 | 16              | 384158 | 5431812 | SMRK      | POND      | 49      | 00    | H           |   |   |   |            |       | BR GN           | 62  | 102 | 5  | 17  | 8  | 0.2 | 170  | 10.5 | 5  | 1.00 | 320  | 36.4 | 105.0 | 1.700 | 66  | 7.3 |
| 52H | 773088 | 16              | 391161 | 5431649 | GRNG      | LT 1      | 8       | 00    | M           |   |   |   |            |       | BR GN           | 108 | 36  | 7  | 20  | 5  | 0.1 | 95   | 0.5  | 2  | 0.50 | 80   | 54.8 | 3.3   | 0.050 | 34  | 6.8 |
| 52H | 773089 | 16              | 393234 | 5430785 | GRNG      | POND      | 8       | 70    | M           |   |   |   |            |       | BR GN           | 70  | 26  | 2  | 18  | 6  | 0.1 | 80   | 0.5  | 2  | 0.35 | 100  | 53.8 | 0.5   | 0.070 | 34  | 6.4 |
| 52H | 773090 | 16              | 393569 | 5429133 | GRNG      | LT 1      | 6       | 10    | H           |   |   |   |            |       | BR GN L         | 280 | 40  | 15 | 30  | 7  | 0.1 | 70   | 0.5  | 3  | 0.60 | 120  | 62.4 | 4.1   | 0.010 | 34  | 6.5 |
| 52H | 773091 | 16              | 393569 | 5429133 | GRNG      | LT 1      | 6       | 20    | H           |   |   |   |            |       | BR GN L         | 300 | 46  | 13 | 33  | 8  | 0.1 | 75   | 0.5  | 3  | 0.65 | 110  | 60.0 | 4.8   | 0.070 | 36  | 6.4 |
| 52H | 773092 | 16              | 402918 | 5444919 | GRNT      | LT 1      | 8       | 00    | M           |   |   |   |            |       | BR GN           | 78  | 46  | 4  | 25  | 11 | 0.2 | 160  | 0.5  | 2  | 1.80 | 100  | 29.8 | 4.4   | 0.110 | 76  | 7.2 |
| 52H | 773093 | 16              | 403426 | 5446515 | GRNT      | GT 5      | 55      | 00    | M           |   |   |   |            |       | BK GN           | 86  | 50  | 6  | 20  | 15 | 0.1 | 665  | 3.5  | 3  | 4.30 | 50   | 14.0 | 13.0  | 0.080 | 52  | 7.9 |
| 52H | 773094 | 16              | 401480 | 5453836 | GRNG      | GT 5      | 76      | 00    | H           |   |   |   |            |       | BR GN           | 98  | 60  | 12 | 33  | 14 | 0.2 | 385  | 2.0  | 1  | 3.35 | 70   | 13.2 | 2.1   | 0.150 | 54  | 7.9 |
| 52H | 773095 | 16              | 399266 | 5459148 | DIBS      | LT 1      | 5       | 00    | L           |   |   |   |            |       | BR GN L         | 92  | 60  | 4  | 19  | 9  | 0.1 | 170  | 0.5  | 1  | 0.85 | 120  | 40.8 | 0.8   | 0.005 | 36  | 7.9 |
| 52H | 773096 | 16              | 401794 | 5458993 | DIBS      | GT 5      | 23      | 00    | M           |   |   |   |            |       | BR GY           | 98  | 80  | 6  | 28  | 17 | 0.1 | 375  | 1.0  | 1  | 3.05 | 110  | 17.6 | 1.3   | 0.005 | 36  | 6.7 |
| 52H | 773097 | 16              | 398626 | 5462922 | DIBS      | LT 1      | 13      | 00    | H           |   |   |   |            |       | BR GN           | 130 | 205 | 5  | 37  | 23 | 0.1 | 1400 | 2.5  | 3  | 3.75 | 90   | 41.2 | 2.9   | 0.005 | 34  | 7.1 |
| 52H | 773098 | 16              | 401785 | 5466291 | DIBS      | 1-5       | 15      | 00    | M           |   |   |   |            |       | BR GN L         | 134 | 76  | 2  | 25  | 13 | 0.1 | 320  | 1.0  | 1  | 1.90 | 220  | 36.2 | 0.8   | 0.005 | 30  | 7.2 |
| 52H | 773099 | 16              | 400316 | 5467760 | DIBS      | GT 5      | 40      | 00    | M           |   |   |   |            |       | BR GY           | 48  | 30  | 4  | 18  | 9  | 0.1 | 315  | 2.5  | 1  | 1.95 | 40   | 5.4  | 1.5   | 0.005 | 34  | 6.6 |
| 52H | 773100 | 16              | 402294 | 5470024 | DIBS      | LT 1      | 25      | 00    | M           |   |   |   |            |       | BR GN           | 192 | 268 | 2  | 20  | 7  | 0.2 | 170  | 0.5  | 2  | 0.60 | 250  | 67.8 | 1.2   | 0.005 | 34  | 6.7 |
| 52H | 773102 | 16              | 400895 | 5471261 | DIBS      | LT 1      | 50      | 00    | M           |   |   |   |            |       | BR GN           | 198 | 220 | 1  | 18  | 11 | 0.1 | 360  | 0.5  | 1  | 3.30 | 190  | 51.2 | 0.7   | 0.005 | 30  | 7.3 |
| 52H | 773103 | 16              | 391700 | 5477041 | DIBS      | GT 5      | 60      | 00    | M           |   |   |   |            |       | GY              | 48  | 28  | 5  | 20  | 9  | 0.1 | 270  | 0.5  | 1  | 2.20 | 30   | 2.8  | 1.7   | 0.170 | 54  | 7.9 |
| 52H | 773105 | 16              | 389523 | 5479093 | DIBS      | GT 5      | 15      | 00    | M           |   |   |   |            |       | BR GY           | 60  | 16  | 6  | 9   | 6  | 0.1 | 120  | 0.5  | 1  | 1.30 | 30   | 2.0  | 0.7   | 0.130 | 52  | 7.9 |
| 52H | 773106 | 16              | 388560 | 5473939 | DIBS      | 1-5       | 40      | 00    | M           |   |   |   |            |       | BR GN           | 98  | 120 | 2  | 32  | 12 | 0.1 | 355  | 1.0  | 1  | 3.35 | 120  | 27.4 | 1.8   | 0.030 | 36  | 7.6 |
| 52H | 773107 | 16              | 387326 | 5470929 | DIBS      | LT 1      | 39      | 00    | H           |   |   |   |            |       | BR GN           | 144 | 205 | 1  | 26  | 12 | 0.3 | 440  | 0.5  | 2  | 3.60 | 210  | 39.2 | 1.0   | 0.005 | 30  | 7.0 |
| 52H | 773108 | 16              | 386339 | 5472628 | DIBS      | 1-5       | 19      | 70    | M           |   |   |   |            |       | BR GN           | 106 | 118 | 3  | 33  | 14 | 0.1 | 395  | 0.5  | 1  | 3.40 | 190  | 27.8 | 2.3   | 0.080 | 34  | 7.7 |
| 52H | 773109 | 16              | 384905 | 5472816 | DIBS      | POND      | 6       | 10    | M           |   |   |   |            |       | BR GN L         | 128 | 44  | 5  | 25  | 9  | 0.1 | 150  | 0.5  | 2  | 1.90 | 90   | 17.8 | 1.2   | 0.005 | 26  | 6.7 |
| 52H | 773110 | 16              | 384905 | 5472816 | DIBS      | POND      | 6       | 20    | M           |   |   |   |            |       | BR GN L         | 118 | 4   | 3  | 23  | 9  | 0.1 | 140  | 0.5  | 1  | 1.70 | 90   | 21.6 | 1.4   | 0.005 | 24  | 6.6 |
| 52H | 773111 | 16              | 378036 | 5472611 | DIBS      | 1-5       | 52      | 00    | H           |   |   |   |            |       | BR GN           | 76  | 98  | 6  | 32  | 13 | 0.1 | 490  | 0.5  | 2  | 2.85 | 100  | 17.4 | 1.1   | 0.005 | 32  | 7.5 |
| 52H | 773112 | 16              | 382820 | 5469329 | DIBS      | 1-5       | 11      | 00    | M           |   |   |   |            |       | BR GN           | 72  | 80  | 2  | 23  | 12 | 0.1 | 345  | 1.5  | 1  | 2.60 | 150  | 18.0 | 1.9   | 0.170 | 22  | 7.7 |
| 52H | 773113 | 16              | 384463 | 5465650 | DIBS      | POND      | 3       | 00    | M           |   |   |   |            |       | BR GN           | 92  | 92  | 2  | 20  | 12 | 0.1 | 240  | 0.5  | 1  | 3.00 | 34.6 | 1.1  | 0.010 | 34    | 7.4 |     |
| 52H | 773114 | 16              | 388378 | 5464640 | DIBS      | LT 1      | 22      | 00    | M           |   |   |   |            |       | BR GN           | 188 | 144 | 1  | 36  | 15 | 0.1 | 530  | 1.5  | 1  | 3.95 | 150  | 37.0 | 1.0   | 0.005 | 20  | 7.0 |
| 52H | 773115 | 16              | 391470 | 5468050 | DIBS      | POND      | 4       | 00    | M           |   |   |   |            |       | BR TN L         | 72  | 56  | 2  | 20  | 8  | 0.2 | 120  | 0.5  | 2  | 1.10 | 150  | 31.2 | 0.5   | 0.005 | 24  | 6.7 |
| 52H | 773116 | 16              | 393125 | 5466368 | DIBS      | LT 1      | 20      | 00    | M           |   |   |   |            |       | BR GN           | 108 | 180 | 2  | 26  | 12 | 0.2 | 375  | 0.5  | 1  | 2.60 | 210  | 41.2 | 1.0   | 0.005 | 20  | 7.2 |
| 52H | 773117 | 16              | 391115 | 5463214 | DIBS      | LT 1      | 40      | 00    | M           |   |   |   |            |       | BR TN           | 154 | 114 | 2  | 16  | 11 | 0.2 | 405  | 0.5  | 2  | 2.00 | 250  | 40.2 | 1.1   | 0.005 | 24  | 7.0 |
| 52H | 773118 | 16              | 388348 | 5460939 | DIBS      | GT 5      | 25      | 00    | M           |   |   |   |            |       | BR GN           | 96  | 102 | 2  | 27  | 13 | 0.1 | 260  | 0.5  | 1  | 2.60 | 110  | 40.0 | 1.5   | 0.010 | 20  | 7.3 |
| 52H | 773119 | 16              | 390039 | 5458339 | DIBS      | LT 1      | 12      | 00    | M           |   |   |   |            |       | BR GN           | 108 | 50  | 4  | 20  | 9  | 0.1 | 220  | 1.0  | 1  | 1.35 | 140  | 36.8 | 0.6   | 0.005 | 24  | 7.1 |
| 52H | 773120 | 16              | 394540 | 5457604 | DIBS      | GT 5      | 31      | 00    | M           |   |   |   |            |       | BK GN           | 52  | 22  | 1  | 11  | 9  | 0.1 | 550  | 1.0  | 1  | 2.60 | 40   | 8.0  | 1.5   | 0.010 | 24  | 7.4 |
| 52H | 773122 | 16              | 395484 | 5460285 | DIBS      | POND      | 43      | 00    | M           |   |   |   |            |       | BR TN           | 220 | 415 | 3  | 22  | 14 | 0.2 | 540  | 0.5  | 2  | 1.80 | 340  | 41.4 | 0.9   | 0.005 | 22  | 7.0 |
| 52H | 773123 | 16              | 398095 | 5454526 | DIBS      | 1-5       | 41      | 00    | M           |   |   |   |            |       | BR GN           | 168 | 132 | 1  | 24  | 13 | 0.1 | 650  | 1.0  | 2  | 2.95 | 130  | 23.0 | 1.0   | 0.005 | 30  | 7.2 |
| 52H | 773124 | 16              | 400516 | 5450272 | GRNG      | POND      | 17      | 00    | M           |   |   |   |            |       | BR GN           | 220 | 26  | 2  | 12  | 5  | 0.1 | 75   | 0.5  | 3  | 0.40 | 70   | 79.4 | 7.7   | 0.005 | 22  | 6.7 |
| 52H | 773125 | 16              | 400436 | 5430287 | GRNG      | POND      | 10      | 00    | M           |   |   |   |            |       | BR GN L         | 94  | 34  | 6  | 20  | 8  | 0.1 | 80   | 0.5  | 2  | 0.90 | 130  | 38.4 | 3.5   | 0.080 | 36  | 6.4 |



| MAP | SAMPLE | UTM COORDINATES |        | ROCK TYPE | LAKE AREA | SMP DTH | RP ST | R<br>E<br>L<br>F | C<br>E<br>L<br>T | S<br>E<br>R<br>I<br>E<br>S | SAMP COLOR | P | ZN  | CU  | PB | NI | CO | AG  | MN   | AS   | MO | FE   | HG  | LOI  | U    | U-W   | F-W | PH  |
|-----|--------|-----------------|--------|-----------|-----------|---------|-------|------------------|------------------|----------------------------|------------|---|-----|-----|----|----|----|-----|------|------|----|------|-----|------|------|-------|-----|-----|
|     |        | ZN              | EAST   |           |           |         |       |                  |                  |                            |            |   |     |     |    |    |    |     |      |      |    |      |     |      |      |       |     |     |
| 52H | 773126 | 16              | 396011 | 5429904   | GRNG POND | 5       | 00    | H                |                  |                            | BR GN      |   | 280 | 56  | 17 | 29 | 9  | 0.1 | 55   | 0.5  | 2  | 0.65 | 140 | 47.4 | 4.5  | 0.220 | 32  | 7.0 |
| 52H | 773127 | 16              | 395389 | 5431297   | GRNG LT 1 | 5       | 00    | H                |                  |                            | BR GN      |   | 106 | 60  | 8  | 27 | 6  | 0.1 | 45   | 0.5  | 2  | 0.50 | 100 | 49.0 | 4.3  | 0.170 | 34  | 7.0 |
| 52H | 773128 | 16              | 389329 | 5434358   | GRNG LT 1 | 22      | 00    | M                |                  |                            | BR TN      |   | 285 | 116 | 9  | 33 | 11 | 0.1 | 120  | 0.5  | 3  | 1.10 | 220 | 47.2 | 23.5 | 0.440 | 30  | 7.2 |
| 52H | 773129 | 16              | 387393 | 5437283   | GRNT LT 1 | 8       | 00    | M                |                  |                            | BR GN      |   | 32  | 10  | 2  | 10 | 6  | 0.1 | 90   | 0.5  | 1  | 1.15 | 30  | 2.8  | 1.2  | 0.200 | 32  | 7.3 |
| 52H | 773130 | 16              | 385050 | 5438440   | GRNT LT 1 | 32      | 00    | H                |                  |                            | BR GN      |   | 150 | 54  | 5  | 18 | 9  | 0.2 | 445  | 0.5  | 3  | 1.00 | 150 | 52.0 | 22.4 | 0.160 | 30  | 6.7 |
| 52H | 773131 | 16              | 380374 | 5435138   | SMRK 1-5  | 6       | 00    | M                |                  |                            | BR GN      |   | 82  | 78  | 12 | 12 | 7  | 0.1 | 315  | 2.5  | 2  | 1.55 | 120 | 54.6 | 7.7  | 1.700 | 80  | 7.9 |
| 52H | 773132 | 16              | 376940 | 5437847   | SMRK POND | 7       | 00    | M                |                  |                            | GY         |   | 22  | 86  | 1  | 4  | 1  | 0.8 | 105  | 1.0  | 7  | 0.15 | 40  | 9.8  | 3.2  | 2.000 | 66  | 8.2 |
| 52H | 773134 | 16              | 374273 | 5435656   | SMRK 1-5  | 30      | 00    | H                |                  |                            | BR GN      |   | 100 | 106 | 5  | 19 | 8  | 0.1 | 115  | 5.0  | 6  | 1.55 | 60  | 53.0 | 14.5 | 0.540 | 120 | 8.0 |
| 52H | 773135 | 16              | 370637 | 5434284   | DIBS 1-5  | 41      | 70    | H                |                  |                            | BR GN      |   | 118 | 78  | 5  | 16 | 7  | 0.1 | 525  | 1.5  | 2  | 1.50 | 130 | 14.0 | 5.4  | 0.010 | 40  | 7.4 |
| 52H | 773136 | 16              | 369956 | 5433511   | SMRK 1-5  | 13      | 10    | H                |                  |                            | BR GN      |   | 92  | 62  | 2  | 12 | 5  | 0.1 | 400  | 2.0  | 2  | 0.70 | 60  | 76.6 | 6.2  | 0.100 | 46  | 7.4 |
| 52H | 773137 | 16              | 369956 | 5433511   | SMRK 1-5  | 13      | 20    | H                |                  |                            | BR GN      |   | 92  | 70  | 3  | 13 | 6  | 0.1 | 370  | 1.5  | 3  | 0.80 | 60  | 77.0 | 5.9  | 0.020 | 40  | 7.4 |
| 52H | 773138 | 16              | 366991 | 5434345   | DIBS LT 1 | 4       | 00    | H                |                  |                            | BR GN      |   | 86  | 58  | 4  | 10 | 3  | 0.1 | 110  | 1.5  | 2  | 0.75 | 80  | 52.4 | 11.8 | 0.470 | 46  | 7.5 |
| 52H | 773139 | 16              | 364862 | 5434225   | DIBS LT 1 | 80      | 00    | H                |                  |                            | BK GN      |   | 134 | 365 | 5  | 73 | 36 | 0.4 | 1800 | 14.0 | 5  | 5.45 | 240 | 37.0 | 8.3  | 0.110 | 38  | 7.3 |
| 52H | 773140 | 16              | 359249 | 5433090   | DIBS LT 1 | 22      | 00    | M                |                  |                            | BR GN      |   | 92  | 230 | 4  | 75 | 14 | 0.2 | 160  | 0.5  | 1  | 1.25 | 190 | 46.2 | 1.6  | 0.005 | 36  | 7.4 |
| 52H | 773142 | 16              | 349898 | 5432216   | DIBS LT 1 | 7       | 00    | M                |                  |                            | BR GN      |   | 78  | 116 | 5  | 19 | 7  | 0.1 | 60   | 0.5  | 1  | 0.45 | 140 | 47.8 | 0.8  | 0.530 | 28  | 6.7 |
| 52H | 773143 | 16              | 347713 | 5430134   | GRNG GT 5 | 10      | 00    | M                |                  |                            | BR TN      |   | 100 | 24  | 6  | 20 | 12 | 0.1 | 295  | 1.5  | 1  | 1.80 | 140 | 12.4 | 3.1  | 0.710 | 42  | 6.7 |
| 52H | 773144 | 16              | 344315 | 5429437   | GRNG 1-5  | 10      | 00    | M                |                  |                            | BR GN      |   | 58  | 34  | 2  | 17 | 10 | 0.1 | 180  | 0.5  | 1  | 1.15 | 40  | 38.6 | 2.0  | 0.880 | 34  | 7.7 |
| 52H | 773145 | 16              | 341811 | 5429687   | GRNG 1-5  | 30      | 00    | M                |                  |                            | BR GN      |   | 100 | 48  | 6  | 20 | 6  | 0.1 | 195  | 0.5  | 1  | 1.20 | 160 | 37.0 | 4.6  | 1.200 | 34  | 6.9 |
| 52H | 773146 | 16              | 337413 | 5430824   | GRNG POND | 6       | 00    | M                |                  |                            | BR GN      |   | 78  | 20  | 8  | 15 | 8  | 0.1 | 105  | 0.5  | 1  | 0.65 | 90  | 56.4 | 0.9  | 0.860 | 38  | 7.2 |
| 52H | 773147 | 16              | 335233 | 5429969   | GRNG POND | 6       | 00    | M                |                  |                            | BR GN      |   | 88  | 30  | 4  | 16 | 4  | 0.1 | 75   | 1.0  | 2  | 0.35 | 100 | 66.4 | 2.1  | 0.040 | 42  | 7.1 |
| 52H | 773148 | 16              | 330651 | 5429861   | GRNG 1-5  | 35      | 00    | M                |                  |                            | BR GN      |   | 116 | 64  | 5  | 24 | 13 | 0.2 | 320  | 0.5  | 1  | 1.80 | 210 | 47.2 | 3.8  | 0.360 | 34  | 6.7 |
| 52H | 773149 | 16              | 331567 | 5432614   | DIBS POND | 10      | 70    | M                |                  |                            | BR TN      |   | 92  | 54  | 3  | 23 | 7  | 0.2 | 105  | 0.5  | 2  | 0.70 | 140 | 51.8 | 1.6  |       | 32  | 6.4 |
| 52H | 773150 | 16              | 331950 | 5434019   | DIBS 1-5  | 20      | 10    | M                |                  |                            | BR GN      |   | 134 | 128 | 2  | 30 | 13 | 0.1 | 290  | 0.5  | 2  | 2.10 | 200 | 41.8 | 1.2  | 0.180 | 26  | 6.7 |
| 52H | 773151 | 16              | 331950 | 5434019   | DIBS 1-5  | 20      | 20    | M                |                  |                            | BR GN      |   | 146 | 146 | 4  | 30 | 13 | 0.2 | 310  | 0.5  | 1  | 2.10 | 210 | 45.2 | 0.9  | 0.450 | 34  | 6.7 |
| 52H | 773152 | 16              | 332039 | 5435497   | DIBS LT 1 | 11      | 00    | M                |                  |                            | BR GN      |   | 134 | 116 | 2  | 29 | 14 | 0.1 | 210  | 0.5  | 2  | 2.35 | 120 | 43.0 | 0.6  | 0.170 | 28  | 6.7 |
| 52H | 773153 | 16              | 330021 | 5440169   | CGLM LT 1 | 37      | 00    | M                |                  |                            | BK BR      |   | 122 | 96  | 3  | 29 | 12 | 0.1 | 485  | 1.0  | 2  | 2.50 | 190 | 40.2 | 1.3  | 0.070 | 34  | 7.1 |
| 52H | 773154 | 16              | 328209 | 5443030   | CGLM LT 1 | 14      | 00    | M                |                  |                            | BR GN      |   | 142 | 62  | 4  | 47 | 18 | 0.1 | 355  | 1.0  | 2  | 2.70 | 170 | 30.2 | 1.1  | 0.080 | 28  | 6.8 |
| 52H | 773155 | 16              | 326822 | 5446123   | CGLM GT 5 | 14      | 00    | M                |                  |                            | BR GN      |   | 84  | 40  | 4  | 26 | 12 | 0.1 | 535  | 1.0  | 1  | 2.80 | 110 | 18.0 | 1.1  | 0.050 | 26  | 7.2 |
| 52H | 773157 | 16              | 324996 | 5448692   | MVCC LT 1 | 29      | 00    | M                |                  |                            | BR GN      |   | 104 | 130 | 3  | 19 | 7  | 0.1 | 240  | 0.5  | 3  | 1.50 | 180 | 40.0 | 1.1  | 0.040 | 32  | 7.3 |
| 52H | 773158 | 16              | 315257 | 5445192   | GRNG 1-5  | 11      | 00    | M                |                  |                            | BR GN      |   | 94  | 46  | 2  | 18 | 8  | 0.1 | 410  | 0.5  | 2  | 2.15 | 150 | 29.0 | 0.9  | 0.005 | 32  | 7.1 |
| 52H | 773159 | 16              | 313921 | 5443187   | GRNG LT 1 | 10      | 00    | M                |                  |                            | BR GN      |   | 88  | 36  | 4  | 18 | 9  | 0.1 | 450  | 0.5  | 2  | 2.60 | 170 | 43.0 | 0.8  | 0.530 | 28  | 6.8 |
| 52H | 773160 | 16              | 310546 | 5440326   | GRNG POND | 5       | 00    | M                |                  |                            | BR GN      |   | 58  | 46  | 4  | 17 | 8  | 0.1 | 230  | 0.5  | 2  | 1.65 | 110 | 34.6 | 1.6  | 0.090 | 30  | 6.9 |
| 52H | 773162 | 16              | 308197 | 5437902   | GRNG POND | 15      | 00    | M                |                  |                            | BR GN      |   | 96  | 72  | 3  | 22 | 13 | 0.1 | 400  | 0.5  | 2  | 2.90 | 170 | 44.4 | 2.5  | 0.060 | 28  | 7.0 |
| 52H | 773163 | 16              | 306415 | 5436226   | GRNG LT 1 | 16      | 00    | M                |                  |                            | BR TN      |   | 72  | 58  | 3  | 16 | 6  | 0.3 | 170  | 0.5  | 2  | 1.20 | 230 | 52.0 | 2.2  | 0.005 | 44  | 6.6 |
| 52H | 773164 | 16              | 306143 | 5434261   | GRNG POND | 16      | 70    | M                |                  |                            | BR GN      | L | 66  | 22  | 3  | 21 | 12 | 0.1 | 340  | 0.5  | 2  | 1.80 | 120 | 30.0 | 0.8  | 0.370 | 34  | 6.6 |
| 52H | 773165 | 16              | 306985 | 5432201   | CGLM LT 1 | 25      | 10    | M                |                  |                            | BR GN      |   | 88  | 56  | 3  | 34 | 16 | 0.1 | 300  | 0.5  | 2  | 1.80 | 180 | 40.2 | 1.4  | 0.070 | 34  | 6.6 |
| 52H | 773166 | 16              | 306985 | 5432201   | CGLM LT 1 | 22      | 20    | M                |                  |                            | BR GN      |   | 98  | 58  | 33 | 38 | 19 | 0.1 | 345  | 0.5  | 3  | 2.10 | 180 | 39.0 | 1.3  | 0.040 | 28  | 6.6 |
| 52H | 773167 | 16              | 296960 | 5431076   | GRNG 1-5  | 10      | 00    | M                |                  |                            | BR GN      |   | 72  | 44  | 7  | 21 | 6  | 0.1 | 250  | 0.5  | 2  | 1.50 | 160 | 33.8 | 1.2  | 0.005 | 34  | 6.9 |
| 52H | 773168 | 16              | 298865 | 5432778   | GRNG 1-5  | 6       | 00    | M                |                  |                            | BR GN      |   | 68  | 74  | 5  | 26 | 8  | 0.1 | 210  | 0.5  | 4  | 0.90 | 170 | 77.2 | 1.9  | 0.230 | 32  | 6.7 |
| 52H | 773170 | 16              | 301290 | 5433340   | GRNG POND | 10      | 00    | M                |                  |                            | BR         | L | 42  | 26  | 4  | 13 | 3  | 0.1 | 75   | 1.0  | 2  | 0.60 | 170 | 39.4 | 1.0  | 0.110 | 30  | 6.5 |
| 52H | 773171 | 16              | 300629 | 5435086   | GRNG LT 1 | 7       | 00    | M                |                  |                            | BR GN      |   | 80  | 22  | 4  | 18 | 6  | 0.9 | 120  | 0.5  | 1  | 0.80 | 30  | 40.4 | 0.9  | 0.005 | 44  | 6.1 |
| 52H | 773172 | 16              | 298338 | 5435910   | GRNG LT 1 | 11      | 00    | M                |                  |                            | BR GN      |   | 106 | 52  | 2  | 20 | 9  | 0.2 | 225  | 0.5  | 1  | 2.40 | 40  | 58.6 | 1.4  | 0.005 | 28  | 6.7 |
| 52H | 773173 | 16              | 289078 | 5435923   | GRNG 1-5  | 17      | 00    | M                |                  |                            | BR GN      |   | 205 | 32  | 4  | 25 | 31 | 0.1 | 1600 | 1.5  | 1  | 8.45 | 120 | 39.0 | 1.5  | 0.310 | 44  | 6.9 |
| 52H | 773174 | 16              | 285673 | 5437721   | GRNG 1-5  | 13      | 00    | M                |                  |                            | BR GN      |   | 82  | 52  | 2  | 29 | 11 | 0.1 | 380  | 0.5  | 1  | 2.20 | 80  | 29.0 | 2.2  | 0.350 | 38  | 7.0 |
| 52H | 773175 | 16              | 282106 | 5441175   | UKNN 1-5  | 17      | 00    | M                |                  |                            | BR GN      |   | 82  | 68  | 2  | 23 | 6  | 0.1 | 425  | 0.5  | 1  | 1.75 | 110 | 44.8 | 1.6  | 0.040 | 40  | 7.0 |
| 52H | 773176 | 16              | 283613 | 5441320   | UKNN LT 1 | 3       | 00    | M                |                  |                            | BR GN      | L | 42  | 48  | 5  | 14 | 4  | 0.1 | 140  | 0.5  | 1  | 0.70 | 110 | 37.0 | 1.4  | 0.040 | 36  | 6.4 |
| 52H | 773177 | 16              | 286932 | 5440449   | UKNN POND | 14      | 00    | M                |                  |                            | BR TN      |   | 54  | 54  | 3  | 16 | 4  | 0.1 | 235  | 0.5  | 1  | 1.15 | 130 | 52.0 | 1.9  | 0.060 | 40  | 6.9 |
| 52H | 773178 | 16              | 294964 | 5440658   | UKNN LT 1 | 40      | 00    | M                |                  |                            | BK GN      |   | 82  | 74  | 1  | 27 | 32 | 0.2 | 790  | 0.5  | 1  | 6.05 | 60  | 48.8 | 1.6  | 0.030 | 34  | 6.8 |
| 52H | 773179 | 16              | 299980 | 5444160   | UKNN 1-5  | 23      | 00    | M                |                  |                            | BR TN      |   | 112 | 38  | 3  | 33 | 11 | 0.1 | 510  | 0.5  | 1  | 2.10 | 140 | 41.4 | 0.8  | 0.010 | 34  | 6.8 |
| 52H | 773180 | 16              | 301887 | 5444526   | UKNN POND | 4       | 00    | M                |                  |                            | BR GN      |   | 76  | 32  | 2  | 24 | 9  | 0.1 | 170  | 0.5  | 1  | 1.20 | 80  | 36.8 | 0.7  | 0.010 | 30  | 6.8 |

| MAP | SAMPLE | UTM COORDINATES |        |         | ROCK<br>TYPE | LAKE<br>AREA | SMP<br>DTH | RP<br>ST | R<br>E<br>G<br>I<br>O<br>N |   |   |    | SAMP<br>COLOR | S<br>U<br>P | ZN  | CU | PB | NI | CO  | AG  | MN   | AS | MO   | FE  | HG   | LOI  | U     | U-W | F-W | PH |
|-----|--------|-----------------|--------|---------|--------------|--------------|------------|----------|----------------------------|---|---|----|---------------|-------------|-----|----|----|----|-----|-----|------|----|------|-----|------|------|-------|-----|-----|----|
|     |        | ZN              | EAST   | NORTH   |              |              |            |          | F                          | L | T |    |               |             |     |    |    |    |     |     |      |    |      |     |      |      |       |     |     |    |
| 52H | 773182 | 16              | 305846 | 5444748 | UKNN         | LT 1         | 12         | 00       | M                          |   |   | BR | TN            | 78          | 52  | 2  | 24 | 10 | 0.1 | 140 | 0.5  | 1  | 1.35 | 110 | 54.6 | 1.0  | 0.005 | 34  | 6.3 |    |
| 52H | 773183 | 16              | 310565 | 5448532 | UKNN         | 1-5          | 52         | 00       | M                          |   |   | BR | TN            | 78          | 80  | 2  | 25 | 7  | 0.1 | 275 | 0.5  | 2  | 1.40 | 170 | 42.2 | 1.3  | 0.110 | 38  | 7.0 |    |
| 52H | 773184 | 16              | 327236 | 5457827 | DIBS         | 1-5          | 14         | 00       | M                          |   |   | BR | GN            | 66          | 116 | 4  | 25 | 8  | 0.1 | 600 | 1.0  | 8  | 2.00 | 60  | 47.8 | 3.2  | 0.005 | 26  | 7.5 |    |
| 52H | 773185 | 16              | 326251 | 5460436 | DIBS         | LT 1         | 19         | 00       | M                          |   |   | BR | GN            | 88          | 106 | 1  | 19 | 8  | 0.1 | 75  | 0.5  | 12 | 0.90 | 90  | 65.0 | 2.2  | 0.060 | 34  | 7.0 |    |
| 52H | 773186 | 16              | 328814 | 5468307 | DIBS         | 1-5          | 38         | 00       | M                          |   |   | BR | GN            | 130         | 192 | 1  | 32 | 19 | 0.1 | 565 | 1.0  | 1  | 3.00 | 130 | 37.2 | 2.7  | 0.080 | 34  | 7.5 |    |
| 52H | 773187 | 16              | 331210 | 5468553 | DIBS         | LT 1         | 18         | 00       | M                          |   |   | BR | TN            | 78          | 176 | 1  | 26 | 10 | 0.1 | 90  | 0.5  | 2  | 1.05 | 130 | 52.6 | 0.6  | 0.060 | 28  | 7.1 |    |
| 52H | 773188 | 16              | 332969 | 5469270 | DIBS         | POND         | 20         | 00       | M                          |   |   | BR | GN            | 78          | 215 | 2  | 37 | 13 | 0.1 | 155 | 0.5  | 2  | 0.75 | 110 | 58.8 | 1.1  | 0.150 | 26  | 7.2 |    |
| 52H | 773189 | 16              | 333522 | 5473002 | DIBS         | 1-5          | 5          | 70       | L                          |   |   | BR | TN            | 52          | 156 | 3  | 16 | 6  | 0.1 | 70  | 0.5  | 1  | 0.50 | 120 | 51.8 | 0.4  | 0.005 | 32  | 6.3 |    |
| 52H | 773190 | 16              | 335463 | 5473042 | DIBS         | LT 1         | 5          | 10       | L                          |   |   | BR | GN            | 68          | 144 | 3  | 20 | 4  | 0.1 | 40  | 0.5  | 1  | 0.30 | 130 | 56.8 | 1.4  | 0.005 | 30  | 7.2 |    |
| 52H | 773191 | 16              | 335463 | 5473042 | DIBS         | LT 1         | 5          | 20       | L                          |   |   | BR | GN            | 72          | 166 | 2  | 22 | 5  | 0.1 | 35  | 0.5  | 2  | 0.30 | 130 | 58.0 | 1.7  | 0.005 | 30  | 7.4 |    |
| 52H | 773192 | 16              | 340738 | 5473521 | UKNN         | LT 1         | 4          | 00       | L                          |   |   | BR | GN            | 98          | 42  | 4  | 25 | 4  | 0.1 | 50  | 0.5  | 3  | 0.45 | 70  | 63.8 | 1.1  | 0.010 | 28  | 7.2 |    |
| 52H | 773193 | 16              | 339682 | 5471520 | UKNN         | 1-5          | 3          | 00       | L                          |   |   | BR | GN            | 92          | 68  | 4  | 20 | 4  | 0.1 | 70  | 0.5  | 1  | 0.80 | 90  | 47.0 | 0.9  | 0.240 | 34  | 7.8 |    |
| 52H | 773195 | 16              | 339382 | 5470740 | UKNN         | 1-5          | 3          | 00       | L                          |   |   | BR | GN            | 92          | 68  | 8  | 20 | 6  | 0.1 | 100 | 0.5  | 1  | 0.90 | 110 | 49.0 | 0.9  | 0.010 | 34  | 7.4 |    |
| 52H | 773196 | 16              | 356732 | 5470056 | DIBS         | LT 1         | 20         | 00       | M                          |   |   | BR | TN            | 112         | 116 | 4  | 23 | 10 | 0.1 | 270 | 0.5  | 1  | 0.80 | 130 | 51.8 | 0.4  | 0.220 | 34  | 6.9 |    |
| 52H | 773197 | 16              | 359978 | 5467764 | DIBS         | POND         | 38         | 00       | M                          |   |   | BK | BR            | 120         | 260 | 3  | 27 | 16 | 0.2 | 625 | 0.5  | 1  | 1.80 | 200 | 43.8 | 1.0  | 0.200 | 28  | 7.0 |    |
| 52H | 773198 | 16              | 362800 | 5467638 | DIBS         | GT 5         | 46         | 00       | M                          |   |   | BR | GN            | 86          | 94  | 2  | 42 | 15 | 0.1 | 400 | 1.0  | 1  | 2.25 | 50  | 9.0  | 4.1  | 0.400 | 28  | 7.6 |    |
| 52H | 773199 | 16              | 366634 | 5464679 | GRNT         | GT 5         | 50         | 00       | M                          |   |   | GY | GN            | 64          | 52  | 4  | 29 | 13 | 0.2 | 770 | 2.0  | 1  | 2.50 | 40  | 4.4  | 2.2  | 0.620 | 32  | 7.6 |    |
| 52H | 773200 | 16              | 367755 | 5461987 | DIBS         | GT 5         | 42         | 00       | M                          |   |   | BR | GY            | 60          | 66  | 2  | 28 | 13 | 0.1 | 285 | 0.5  | 1  | 2.55 | 40  | 9.2  | 1.7  | 0.080 | 28  | 7.6 |    |
| 52H | 773202 | 16              | 373060 | 5459557 | DIBS         | POND         | 8          | 00       | M                          |   |   | BR | TN            | 88          | 44  | 2  | 14 | 3  | 0.1 | 55  | 0.5  | 2  | 0.30 | 70  | 86.6 | 1.9  | 0.380 | 28  | 7.8 |    |
| 52H | 773203 | 16              | 377935 | 5458320 | SMRK         | POND         | 13         | 00       | M                          |   |   | BR | GY            | 10          | 14  | 2  | 4  | 1  | 0.2 | 120 | 0.5  | 6  | 0.25 | 30  | 12.0 | 1.9  | 0.790 | 50  | 7.9 |    |
| 52H | 773204 | 16              | 378230 | 5455620 | SMRK         | 1-5          | 82         | 00       | M                          |   |   | BK | BR            | 74          | 50  | 10 | 23 | 11 | 0.1 | 515 | 2.0  | 1  | 2.65 | 80  | 16.0 | 3.0  | 0.800 | 34  | 7.6 |    |
| 52H | 773205 | 16              | 381018 | 5453580 | SMRK         | 1-5          | 14         | 00       | H                          |   |   | BR | GY            | 40          | 18  | 4  | 15 | 6  | 0.1 | 210 | 1.0  | 1  | 1.30 | 30  | 8.0  | 1.8  | 0.590 | 44  | 7.7 |    |
| 52H | 773206 | 16              | 384564 | 5452450 | DIBS         | GT 5         | 22         | 00       | M                          |   |   | BR | GN            | 98          | 100 | 2  | 34 | 12 | 0.1 | 245 | 0.5  | 1  | 2.50 | 110 | 33.4 | 2.6  | 0.005 | 24  | 7.7 |    |
| 52H | 773207 | 16              | 390048 | 5448935 | GRNT         | POND         | 14         | 00       | M                          |   |   | BR |               | 60          | 48  | 3  | 18 | 7  | 0.1 | 195 | 0.5  | 1  | 0.50 | 90  | 37.4 | 1.6  | 0.210 | 40  | 7.2 |    |
| 52H | 773208 | 16              | 392396 | 5444755 | GRNT         | LT 1         | 11         | 00       | M                          |   |   | BR | TN            | 220         | 54  | 12 | 28 | 11 | 0.1 | 250 | 0.5  | 1  | 1.80 | 170 | 39.6 | 8.6  | 0.350 | 24  | 6.7 |    |
| 52H | 773209 | 16              | 393768 | 5440873 | GRNG         | LT 1         | 5          | 00       | M                          |   |   | BR | GN            | 70          | 48  | 3  | 11 | 3  | 0.1 | 40  | 0.5  | 3  | 0.60 | 110 | 61.8 | 3.7  | 0.350 | 32  | 7.7 |    |
| 52H | 773210 | 16              | 397719 | 5436846 | GRNG         | POND         | 8          | 00       | M                          |   |   | BR | GN            | 134         | 50  | 8  | 46 | 10 | 0.1 | 110 | 1.0  | 1  | 0.80 | 180 | 45.8 | 5.3  | 0.160 | 24  | 6.8 |    |
| 52H | 773211 | 16              | 387565 | 5439392 | GRNT         | POND         | 8          | 00       | H                          |   |   | BR | GN            | 104         | 62  | 3  | 22 | 7  | 0.1 | 70  | 0.5  | 1  | 0.55 | 120 | 64.8 | 3.4  | 0.760 | 36  | 7.4 |    |
| 52H | 773212 | 16              | 385275 | 5439364 | GRNT         | LT 1         | 20         | 00       | H                          |   |   | BR | GN            | 168         | 48  | 2  | 26 | 15 | 0.1 | 240 | 3.0  | 1  | 2.15 | 90  | 50.0 | 20.4 | 0.520 | 22  | 6.7 |    |
| 52H | 773213 | 16              | 376995 | 5439784 | SMRK         | LT 1         | 1          | 00       | M                          |   |   | BK | GY            | 64          | 64  | 3  | 12 | 1  | 0.8 | 250 | 0.5  | 6  | 0.80 | 60  | 24.8 | 5.4  | 3.600 | 120 | 7.6 |    |
| 52H | 773214 | 16              | 373433 | 5440604 | SMRK         | GT 5         | 2          | 00       | L                          |   |   | GY | GN            | 98          | 24  | 10 | 15 | 5  | 0.1 | 180 | 0.5  | 2  | 1.50 | 70  | 42.4 | 3.6  | 0.350 | 66  | 7.1 |    |
| 52H | 773215 | 16              | 370486 | 5439159 | SMRK         | POND         | 10         | 70       | M                          |   |   | BR | GN            | 146         | 46  | 3  | 15 | 3  | 0.1 | 120 | 0.5  | 3  | 0.50 | 100 | 62.6 | 2.0  |       | 58  | 7.5 |    |
| 52H | 773217 | 16              | 369722 | 5439396 | SMRK         | POND         | 5          | 10       | M                          |   |   | BR | GN            | 116         | 26  | 3  | 14 | 2  | 0.1 | 115 | 0.5  | 3  | 0.45 | 90  | 73.0 | 1.7  | 0.880 | 52  | 7.6 |    |
| 52H | 773218 | 16              | 369722 | 5439396 | SMRK         | POND         | 5          | 20       | M                          |   |   | BR | GN            | 100         | 28  | 2  | 14 | 1  | 0.1 | 70  | 0.5  | 4  | 0.45 | 70  | 73.2 | 2.2  | 0.400 | 58  | 7.6 |    |
| 52H | 773219 | 16              | 370987 | 5437517 | SMRK         | 1-5          | 80         | 00       | M                          |   |   | BK | GY            | 72          | 56  | 8  | 29 | 12 | 0.1 | 960 | 3.0  | 1  | 2.25 | 40  | 1.6  | 2.8  | 0.500 | 70  | 8.3 |    |
| 52H | 773220 | 16              | 368392 | 5436003 | SMRK         | LT 1         | 4          | 00       | H                          |   |   | BR | GN            | 118         | 82  | 16 | 14 | 4  | 0.1 | 40  | 1.0  | 1  | 0.45 | 110 | 46.0 | 6.5  | 0.330 | 46  | 7.1 |    |
| 52H | 773222 | 16              | 364619 | 5436802 | DIBS         | POND         | 29         | 00       | H                          |   |   | BK | GN            | 156         | 205 | 3  | 21 | 12 | 0.1 | 215 | 15.0 | 3  | 1.80 | 150 | 41.8 | 22.9 | 0.900 | 62  | 7.7 |    |
| 52H | 773223 | 16              | 359163 | 5436771 | DIBS         | LT 1         | 5          | 00       | M                          |   |   | BR | TN            | 72          | 98  | 5  | 38 | 13 | 0.1 | 320 | 1.5  | 2  | 1.20 | 80  | 21.6 | 3.5  | 0.060 | 38  | 7.4 |    |
| 52H | 773224 | 16              | 343385 | 5433996 | GRNG         | POND         | 5          | 00       | M                          |   |   | BR | GN            | 50          | 106 | 2  | 9  | 3  | 0.2 | 80  | 2.0  | 2  | 0.50 | 100 | 46.4 | 1.2  | 0.160 | 42  | 7.9 |    |
| 52H | 773225 | 16              | 343842 | 5436848 | SMRK         | POND         | 5          | 00       | M                          |   |   | BR | GN            | 48          | 76  | 2  | 13 | 3  | 0.1 | 40  | 1.0  | 2  | 0.35 | 70  | 36.0 | 2.5  | 0.160 | 46  | 7.5 |    |
| 52H | 773226 | 16              | 340799 | 5436382 | GRNG         | GT 5         | 20         | 00       | M                          |   |   | BR | GN            | 100         | 40  | 4  | 25 | 13 | 0.1 | 500 | 1.5  | 1  | 2.45 | 90  | 13.0 | 3.9  | 0.100 | 42  | 7.1 |    |
| 52H | 773227 | 16              | 338747 | 5435533 | GRNG         | GT 5         | 21         | 00       | M                          |   |   | BR | GN            | 158         | 48  | 5  | 34 | 15 | 0.2 | 470 | 2.0  | 1  | 3.60 | 140 | 26.0 | 4.0  | 0.070 | 34  | 7.1 |    |
| 52H | 773228 | 16              | 337940 | 5433049 | GRNG         | GT 5         | 12         | 00       | M                          |   |   | BR | GN            | 82          | 26  | 2  | 18 | 11 | 0.2 | 460 | 1.0  | 1  | 1.90 | 60  | 11.8 | 3.1  | 0.180 | 38  | 7.0 |    |
| 52H | 773229 | 16              | 335156 | 5432683 | GRNG         | POND         | 7          | 70       | M                          |   |   | BR | GN            | 68          | 52  | 2  | 16 | 6  | 0.1 | 110 | 0.5  | 2  | 0.65 | 90  | 42.0 | 1.8  | 0.050 | 46  | 7.0 |    |
| 52H | 773230 | 16              | 333950 | 5432103 | GRNG         | LT 1         | 8          | 10       | M                          |   |   | BR | GN            | 88          | 62  | 3  | 22 | 7  | 0.1 | 140 | 0.5  | 2  | 0.85 | 130 | 50.4 | 7.7  | 0.500 | 34  | 6.6 |    |
| 52H | 773231 | 16              | 333950 | 5432103 | GRNG         | LT 1         | 9          | 20       | M                          |   |   | BR | GN            | 98          | 66  | 4  | 23 | 8  | 0.1 | 135 | 0.5  | 1  | 0.90 | 120 | 49.0 | 7.7  | 0.770 | 36  | 6.6 |    |
| 52H | 773233 | 16              | 328441 | 5430764 | GRNG         | POND         | 11         | 00       | M                          |   |   | BR | GN            | 116         | 36  | 5  | 23 | 8  | 0.1 | 175 | 0.5  | 2  | 1.55 | 140 | 47.6 | 2.7  | 0.180 | 36  | 6.2 |    |
| 52H | 773234 | 16              | 327408 | 5432573 | CGLM         | 1-5          | 33         | 00       | M                          |   |   | BR | GN            | 150         | 90  | 3  | 42 | 19 | 0.1 | 710 | 0.5  | 2  | 3.65 | 110 | 38.4 | 2.1  | 0.005 | 34  | 6.9 |    |
| 52H | 773235 | 16              | 325366 | 5431546 | CGLM         | 1-5          | 29         | 00       | M                          |   |   | BR | GN            | 154         | 82  | 2  | 53 | 25 | 0.2 | 890 | 1.0  | 1  | 3.60 | 100 | 31.4 | 2.2  | 0.005 | 42  | 6.9 |    |
| 52H | 773236 | 16              | 311600 | 5432217 | CGLM         | POND         | 4          | 00       | M                          |   |   | BR | GN            | 102         | 34  | 7  | 27 | 7  | 0.1 | 150 | 0.5  | 1  | 0.60 | 80  | 56.4 | 1.0  | 0.005 | 34  | 6.0 |    |

| MAP | SAMPLE | UTM COORDINATES |        |         | ROCK TYPE | LAKE AREA | SMP DTH | RP ST | R E G I O N |   |   |    | SAMP COLOR | S U P P O R T | ZN  | CU  | PB | NI | CO | AG  | MN   | AS  | MO | FE   | HG  | LOI  | U   | U-W   | F-W | PH  |
|-----|--------|-----------------|--------|---------|-----------|-----------|---------|-------|-------------|---|---|----|------------|---------------|-----|-----|----|----|----|-----|------|-----|----|------|-----|------|-----|-------|-----|-----|
|     |        | ZN              | EAST   | NORTH   |           |           |         |       | F           | L | T |    |            |               |     |     |    |    |    |     |      |     |    |      |     |      |     |       |     |     |
| 52H | 773237 | 16              | 309830 | 5431787 | CGLM      | POND      | 6       | 00    | M           |   |   | BR | GN         | L             | 78  | 38  | 2  | 21 | 6  | 0.1 | 130  | 0.5 | 1  | 1.05 | 100 | 45.0 | 0.8 | 0.005 | 38  | 6.0 |
| 52H | 773238 | 16              | 313415 | 5437264 | CGLM      | 1-5       | 6       | 00    | M           |   |   | BR | GN         |               | 96  | 48  | 3  | 20 | 7  | 0.1 | 150  | 1.0 | 1  | 1.05 | 90  | 42.0 | 1.2 | 0.005 | 46  | 7.1 |
| 52H | 773239 | 16              | 315879 | 5438957 | CGLM      | LT 1      | 7       | 00    | M           |   |   | BR | GN         |               | 146 | 34  | 3  | 17 | 8  | 0.1 | 180  | 4.0 | 1  | 1.15 | 90  | 57.4 | 1.6 | 0.150 | 36  | 7.4 |
| 52H | 773240 | 16              | 320672 | 5440199 | CGLM      | LT 1      | 3       | 00    | M           |   |   | BR | GN         | L             | 82  | 28  | 4  | 25 | 6  | 0.1 | 145  | 1.0 | 1  | 0.70 | 70  | 39.2 | 1.1 | 0.090 | 34  | 6.6 |
| 52H | 773242 | 16              | 319002 | 5445470 | DIBS      | GT 5      | 47      | 00    | M           |   |   | BR | GN         |               | 78  | 62  | 4  | 21 | 10 | 0.2 | 305  | 1.0 | 1  | 2.30 | 70  | 19.2 | 1.3 | 0.005 | 30  | 6.3 |
| 52H | 773243 | 16              | 320499 | 5448765 | GRCK      | 1-5       | 21      | 00    | M           |   |   | BR | GN         |               | 112 | 76  | 2  | 19 | 10 | 0.2 | 590  | 1.0 | 1  | 2.45 | 130 | 37.0 | 1.3 | 0.005 | 32  | 7.2 |
| 52H | 773244 | 16              | 322517 | 5450570 | GRCK      | 1-5       | 22      | 00    | M           |   |   | BR | GN         |               | 162 | 78  | 1  | 21 | 20 | 0.1 | 1150 | 1.0 | 2  | 5.10 | 100 | 28.4 | 2.3 | 0.010 | 44  | 7.0 |
| 52H | 773245 | 16              | 318607 | 5452794 | GRNG      | 1-5       | 20      | 00    | M           |   |   | BR | TN         |               | 106 | 76  | 4  | 17 | 8  | 0.1 | 235  | 1.5 | 2  | 1.30 | 130 | 46.6 | 1.9 | 0.005 | 26  | 6.9 |
| 52H | 773246 | 16              | 317479 | 5454850 | GRNG      | LT 1      | 7       | 00    | M           |   |   | BR | GN         |               | 88  | 70  | 5  | 14 | 5  | 0.2 | 155  | 1.0 | 1  | 0.85 | 130 | 42.2 | 1.3 | 0.005 | 32  | 6.8 |
| 52H | 773247 | 16              | 315546 | 5459193 | DIBS      | GT 5      | 11      | 00    | M           |   |   | BR | GN         |               | 108 | 120 | 5  | 33 | 8  | 0.1 | 270  | 1.0 | 1  | 1.35 | 130 | 45.6 | 1.6 | 0.010 | 38  | 6.9 |
| 52H | 773248 | 16              | 314419 | 5461014 | DIBS      | POND      | 5       | 00    | M           |   |   | BR | GN         | L             | 76  | 56  | 3  | 13 | 4  | 0.1 | 115  | 1.0 | 1  | 0.50 | 110 | 39.0 | 0.5 | 0.005 | 24  | 6.3 |
| 52H | 773249 | 16              | 311768 | 5464987 | MVCC      | LT 1      | 10      | 00    | M           |   |   | BR | TN         |               | 106 | 46  | 3  | 19 | 7  | 0.1 | 260  | 1.5 | 1  | 1.00 | 130 | 41.8 | 0.5 | 0.005 | 34  | 6.5 |
| 52H | 773251 | 16              | 310322 | 5465437 | MVCC      | LT 1      | 18      | 00    | M           |   |   | BR | GN         |               | 134 | 74  | 3  | 15 | 7  | 0.2 | 190  | 0.5 | 3  | 0.85 | 110 | 55.4 | 0.6 | 0.005 | 40  | 6.8 |
| 52H | 773252 | 16              | 308412 | 5468233 | DIBS      | POND      | 5       | 70    | M           |   |   | BR | GN         | L             | 88  | 60  | 5  | 27 | 6  | 0.1 | 130  | 1.0 | 1  | 0.80 | 120 | 38.0 | 0.4 | 0.005 | 28  | 6.3 |
| 52H | 773253 | 16              | 308655 | 5469512 | GRNG      | POND      | 4       | 10    | M           |   |   | BR | GN         | L             | 56  | 32  | 4  | 15 | 6  | 0.1 | 90   | 1.0 | 2  | 0.45 | 70  | 48.8 | 0.6 | 0.005 | 60  | 6.2 |
| 52H | 773254 | 16              | 308655 | 5469512 | GRNG      | POND      | 4       | 20    | M           |   |   | BR | GN         | L             | 74  | 28  | 3  | 16 | 5  | 0.1 | 90   | 1.5 | 1  | 0.45 | 70  | 48.0 | 0.8 | 0.005 | 48  | 6.2 |
| 52H | 773255 | 16              | 300878 | 5468443 | GRNG      | 1-5       | 44      | 00    | L           |   |   |    | GN         |               | 86  | 20  | 3  | 15 | 8  | 0.1 | 195  | 2.0 | 1  | 2.45 | 60  | 23.4 | 0.9 | 0.020 | 32  | 7.3 |
| 52H | 773256 | 16              | 297143 | 5469367 | GRNG      | 1-5       | 21      | 00    | M           |   |   | BR | GN         |               | 144 | 52  | 3  | 28 | 16 | 0.1 | 270  | 4.0 | 3  | 1.75 | 40  | 63.6 | 1.6 | 0.005 | 38  | 7.9 |
| 52H | 773257 | 16              | 294653 | 5470659 | GRNG      | LT 1      | 4       | 00    | M           |   |   | BR | GN         |               | 42  | 52  | 3  | 15 | 5  | 0.2 | 385  | 1.5 | 4  | 1.10 | 60  | 35.6 | 1.6 | 0.010 | 40  | 7.8 |
| 52H | 773258 | 16              | 291682 | 5470348 | DIBS      | GT 5      | 32      | 00    | M           |   |   | BR | GN         |               | 98  | 38  | 4  | 18 | 15 | 0.1 | 810  | 7.0 | 1  | 4.95 | 60  | 17.6 | 1.8 | 0.005 | 32  | 7.7 |
| 52H | 773259 | 16              | 289508 | 5470982 | GRNG      | GT 5      | 21      | 00    | M           |   | 1 | BR | GN         |               | 118 | 70  | 5  | 26 | 15 | 0.1 | 610  | 5.0 | 3  | 2.65 | 80  | 38.6 | 3.0 | 0.010 | 44  | 7.4 |
| 52H | 773260 | 16              | 286913 | 5469080 | GRNG      | LT 1      | 9       | 00    | M           |   |   | BR | GN         |               | 196 | 18  | 5  | 10 | 5  | 0.1 | 125  | 1.0 | 2  | 0.50 | 70  | 74.8 | 0.6 | 0.005 | 30  | 6.7 |
| 52H | 773262 | 16              | 285178 | 5468596 | GRNG      | POND      | 17      | 00    | M           |   |   | BR |            |               | 174 | 40  | 3  | 15 | 8  | 0.1 | 330  | 0.5 | 2  | 0.85 | 100 | 65.2 | 1.1 | 0.240 | 46  | 6.7 |
| 52H | 773263 | 16              | 285850 | 5472277 | GRNG      | 1-5       | 10      | 70    | L           |   |   | BR | GN         |               | 146 | 34  | 2  | 18 | 13 | 0.1 | 395  | 0.5 | 1  | 2.30 | 70  | 51.6 | 0.8 | 0.560 | 32  | 6.6 |
| 52H | 773264 | 16              | 284417 | 5473229 | GRNG      | POND      | 7       | 10    | L           |   |   | BR | GN         | L             | 84  | 18  | 3  | 12 | 4  | 0.1 | 60   | 0.5 | 1  | 0.45 | 80  | 48.0 | 0.6 | 0.040 | 40  | 5.3 |
| 52H | 773265 | 16              | 284417 | 5473229 | GRNG      | POND      | 7       | 20    | L           |   |   | BR | GN         | L             | 86  | 18  | 2  | 12 | 4  | 0.1 | 70   | 0.5 | 1  | 0.45 | 70  | 50.2 | 0.6 | 0.290 | 44  | 5.3 |
| 52H | 773266 | 16              | 285333 | 5476229 | GRNG      | 1-5       | 50      | 00    | M           |   |   | BR |            |               | 176 | 36  | 1  | 21 | 34 | 0.1 | 2150 | 1.0 | 2  | 9.25 | 80  | 41.0 | 1.7 | 0.040 | 34  | 7.1 |
| 52H | 773267 | 16              | 286369 | 5476838 | GRNG      | 1-5       | 100     | 00    | M           |   |   | BR |            |               | 142 | 40  | 1  | 17 | 30 | 0.1 | 1750 | 2.5 | 2  | 5.55 | 70  | 45.4 | 1.9 | 0.330 | 38  | 7.1 |
| 52H | 773268 | 16              | 282993 | 5481179 | GRNG      | 1-5       | 11      | 00    | M           |   |   | BR |            |               | 116 | 40  | 5  | 22 | 12 | 0.1 | 350  | 0.5 | 1  | 1.55 | 130 | 42.4 | 1.1 | 0.140 | 38  | 6.4 |
| 52H | 773269 | 16              | 284662 | 5483122 | GRNG      | 1-5       | 20      | 00    | M           |   |   | BR | GN         |               | 116 | 30  | 4  | 23 | 14 | 0.1 | 680  | 1.5 | 1  | 2.55 | 110 | 33.0 | 1.5 | 0.530 | 30  | 6.7 |
| 52H | 773270 | 16              | 285206 | 5486314 | MVCC      | POND      | 5       | 00    | L           |   |   | BR | GN         | L             | 44  | 12  | 3  | 7  | 3  | 0.1 | 140  | 2.0 | 1  | 0.45 | 70  | 42.8 | 0.3 | 0.300 | 36  | 6.3 |
| 52H | 773272 | 16              | 292372 | 5485976 | MVCC      | GT 5      | 7       | 00    | M           |   |   | BR | GN         |               | 92  | 28  | 6  | 21 | 8  | 0.1 | 325  | 1.5 | 2  | 1.30 | 100 | 53.0 | 1.6 | 0.320 | 30  | 7.1 |
| 52H | 773273 | 16              | 297176 | 5485945 | MVCC      | 1-5       | 12      | 00    | M           |   |   | BR | GN         |               | 132 | 60  | 3  | 35 | 12 | 0.1 | 345  | 1.0 | 2  | 1.80 | 100 | 42.2 | 0.6 | 0.530 | 30  | 6.9 |
| 52H | 773274 | 16              | 295918 | 5483968 | GRNG      | LT 1      | 4       | 00    | M           |   |   | BR | GN         |               | 100 | 52  | 7  | 39 | 9  | 0.1 | 110  | 0.5 | 1  | 0.80 | 30  | 54.6 | 0.7 | 0.070 | 36  | 6.1 |
| 52H | 773275 | 16              | 290834 | 5482995 | GRNG      | LT 1      | 10      | 00    | M           |   |   | BR | GN         |               | 120 | 88  | 3  | 28 | 11 | 0.2 | 290  | 0.5 | 2  | 1.90 | 50  | 66.4 | 1.2 |       | 30  | 7.1 |
| 52H | 773276 | 16              | 288233 | 5483466 | GRNG      | GT 5      | 6       | 00    | M           |   |   | BR | GN         |               | 88  | 20  | 4  | 18 | 9  | 0.1 | 310  | 0.5 | 1  | 1.10 | 60  | 31.8 | 1.5 | 0.300 | 36  | 7.1 |
| 52H | 773277 | 16              | 290418 | 5479702 | GRNG      | LT 1      | 6       | 00    | M           |   |   | BR | GN         |               | 92  | 16  | 10 | 19 | 6  | 0.1 | 155  | 2.0 | 1  | 0.60 | 70  | 55.8 | 0.5 | 0.160 | 36  | 6.0 |
| 52H | 773278 | 16              | 295290 | 5480882 | GRNG      | LT 1      | 1       | 00    | L           |   |   | BR | GN         | L             | 60  | 18  | 3  | 18 | 7  | 0.2 | 160  | 0.5 | 1  | 0.85 | 50  | 31.4 | 0.9 | 0.030 | 28  | 7.0 |
| 52H | 773279 | 16              | 298233 | 5481373 | GRNG      | 1-5       | 4       | 00    | L           |   |   | BR | GN         |               | 98  | 56  | 3  | 34 | 9  | 0.1 | 65   | 0.5 | 2  | 0.50 | 50  | 64.6 | 1.0 | 0.060 | 32  | 6.3 |
| 52H | 773280 | 16              | 293043 | 5477206 | GRNG      | GT 5      | 4       | 00    | M           |   |   | BR | GN         | L             | 68  | 28  | 5  | 20 | 5  | 0.2 | 120  | 1.0 | 1  | 0.60 | 100 | 36.4 | 0.6 | 0.020 | 40  | 6.2 |
| 52H | 773282 | 16              | 294306 | 5476187 | GRNG      | 1-5       | 3       | 00    | L           |   |   | BR | GN         | L             | 96  | 28  | 3  | 19 | 6  | 0.1 | 140  | 0.5 | 1  | 0.70 | 100 | 38.4 | 0.7 | 0.005 | 32  | 5.9 |
| 52H | 773283 | 16              | 298038 | 5477566 | GRNG      | 1-5       | 5       | 00    | L           |   |   | BR | GN         |               | 130 | 88  | 4  | 36 | 12 | 0.2 | 280  | 1.5 | 1  | 1.60 | 110 | 45.2 | 0.8 | 0.005 | 38  | 6.7 |
| 52H | 773284 | 16              | 308915 | 5480562 | GRNG      | POND      | 40      | 00    | L           |   |   | BK | BR         |               | 150 | 50  | 2  | 24 | 11 | 0.2 | 215  | 5.0 | 4  | 1.95 | 50  | 57.8 | 2.5 | 0.005 | 30  | 7.5 |
| 52H | 773285 | 16              | 306870 | 5478861 | GRNG      | LT 1      | 74      | 00    | M           |   |   | BR | GN         |               | 220 | 56  | 3  | 24 | 15 | 0.1 | 225  | 1.0 | 3  | 1.80 | 40  | 62.8 | 2.7 | 0.010 | 20  | 7.0 |
| 52H | 773286 | 16              | 304393 | 5476666 | GRNG      | POND      | 41      | 70    | M           |   |   | BR | GN         |               | 128 | 44  | 2  | 25 | 11 | 0.1 | 245  | 1.5 | 2  | 3.00 | 30  | 53.8 | 1.7 | 0.020 | 38  | 7.5 |
| 52H | 773287 | 16              | 304500 | 5475153 | GRNG      | 1-5       | 10      | 10    | M           |   |   | BR | GN         |               | 116 | 56  | 3  | 27 | 13 | 0.1 | 140  | 0.5 | 2  | 1.45 | 50  | 51.6 | 1.0 | 0.005 | 20  | 7.4 |
| 52H | 773288 | 16              | 304500 | 5475153 | GRNG      | 1-5       | 13      | 20    | M           |   |   | BR | GN         |               | 128 | 52  | 2  | 25 | 13 | 0.1 | 180  | 0.5 | 2  | 2.25 | 50  | 50.8 | 0.9 | 0.010 | 26  | 7.3 |
| 52H | 773289 | 16              | 301883 | 5472323 | GRNG      | 1-5       | 15      | 00    | L           |   |   | BR | GN         |               | 124 | 32  | 5  | 20 | 12 | 0.1 | 535  | 0.5 | 1  | 2.60 | 140 | 31.8 | 1.3 | 0.040 | 44  | 7.0 |
| 52H | 773290 | 16              | 312788 | 5471023 | GRNG      | LT 1      | 9       | 00    | L           |   |   | BR | GN         |               | 82  | 18  | 2  | 17 | 6  | 0.1 | 100  | 0.5 | 2  | 0.55 | 90  | 68.8 | 0.5 | 0.005 | 20  | 6.5 |
| 52H | 773291 | 16              | 317543 | 5468424 | MVCC      | POND      | 5       | 00    | M           |   |   | BR | GN         | L             | 92  | 32  | 4  | 13 | 5  | 0.1 | 200  | 0.5 | 2  | 0.60 | 110 | 39.6 | 0.4 | 0.005 | 26  | 6.9 |

| MAP | SAMPLE | UTM COORDINATES |        |         | ROCK TYPE | LAKE AREA | SMP DTH | RP ST | R E G I O N |   |    | SAMP COLOR | S U P | ZN  | CU  | PB | NI | CD  | AG  | MN   | AS  | MO   | FE   | HG   | LOI  | U     | U-W   | F-W | PH  |
|-----|--------|-----------------|--------|---------|-----------|-----------|---------|-------|-------------|---|----|------------|-------|-----|-----|----|----|-----|-----|------|-----|------|------|------|------|-------|-------|-----|-----|
|     |        | ZN              | EAST   | NORTH   |           |           |         |       | F           | L | T  |            |       |     |     |    |    |     |     |      |     |      |      |      |      |       |       |     |     |
| 52H | 773292 | 16              | 320325 | 5465017 | DIBS      | 1-5       | 16      | 00    | M           |   | BR | GN         | 106   | 94  | 3   | 24 | 10 | 0.1 | 455 | 1.0  | 2   | 1.95 | 120  | 26.6 | 1.1  | 0.005 | 32    | 7.0 |     |
| 52H | 773293 | 16              | 317361 | 5465093 | DIBS      | LT 1      | 9       | 00    | M           |   | BR | L          | 86    | 110 | 4   | 25 | 5  | 0.2 | 130 | 0.5  | 1   | 0.90 | 280  | 43.2 | 0.9  | 0.005 | 24    | 6.7 |     |
| 52H | 773294 | 16              | 317994 | 5463177 | MVCC      | 1-5       | 22      | 00    | M           |   | BR | GN         | 114   | 144 | 3   | 21 | 10 | 0.1 | 245 | 0.5  | 1   | 1.35 | 160  | 46.0 | 1.1  | 0.005 | 26    | 7.1 |     |
| 52H | 773295 | 16              | 320362 | 5461255 | DIBS      | 1-5       | 10      | 00    | M           |   | BR | GN         | 114   | 74  | 1   | 19 | 11 | 0.1 | 295 | 0.5  | 2   | 1.85 | 160  | 38.0 | 1.2  | 0.005 | 34    | 6.8 |     |
| 52H | 773296 | 16              | 318666 | 5459783 | DIBS      | GT 5      | 21      | 00    | M           |   | GN |            | 76    | 24  | 2   | 13 | 8  | 0.1 | 285 | 0.5  | 1   | 1.85 | 50   | 7.0  | 0.7  | 0.010 | 20    | 6.9 |     |
| 52H | 773297 | 16              | 322696 | 5454448 | GRNG      | POND      | 3       | 00    | M           |   | BR | GN         | 80    | 86  | 3   | 15 | 6  | 0.1 | 60  | 0.5  | 2   | 0.40 | 100  | 33.8 | 2.1  | 0.005 | 28    | 6.7 |     |
| 52H | 773298 | 16              | 316399 | 5448270 | GRCK      | POND      | 5       | 00    | L           |   | BR | GN         | 118   | 22  | 4   | 21 | 6  | 0.1 | 125 | 0.5  | 2   | 0.50 | 120  | 70.4 | 0.5  | 0.005 | 32    | 6.7 |     |
| 52H | 773300 | 16              | 312914 | 5451223 | GRNG      | POND      | 11      | 00    | M           |   | BR | GN         | 54    | 72  | 3   | 20 | 5  | 0.2 | 105 | 0.5  | 1   | 1.05 | 200  | 34.2 | 1.6  | 0.005 | 28    | 6.9 |     |
| 52H | 773302 | 16              | 308946 | 5451193 | UKNN      | GT 5      | 53      | 00    | M           |   | BR | GN         | 102   | 66  | 3   | 42 | 12 | 0.2 | 385 | 0.5  | 1   | 2.40 | 120  | 24.0 | 1.1  | 0.005 | 32    | 7.2 |     |
| 52H | 773303 | 16              | 306159 | 5450878 | UKNN      | 1-5       | 22      | 00    | M           |   | BR | GN         | 106   | 56  | 2   | 52 | 9  | 0.1 | 440 | 0.5  | 1   | 2.30 | 130  | 43.8 | 1.9  | 0.005 | 28    | 7.0 |     |
| 52H | 773304 | 16              | 305863 | 5448565 | UKNN      | 1-5       | 12      | 00    | M           |   | BR | GN         | 108   | 76  | 3   | 72 | 18 | 0.1 | 375 | 0.5  | 2   | 2.30 | 110  | 29.6 | 1.3  | 0.005 | 38    | 7.2 |     |
| 52H | 773305 | 16              | 301797 | 5451109 | UKNN      | POND      | 13      | 00    | M           |   | BR |            | 98    | 64  | 1   | 35 | 11 | 0.1 | 300 | 1.5  | 1   | 1.80 | 140  | 38.0 | 2.2  | 0.010 | 28    | 6.9 |     |
| 52H | 773306 | 16              | 301156 | 5448381 | UKNN      | LT 1      | 15      | 70    | M           |   | BR |            | 82    | 54  | 2   | 42 | 6  | 0.1 | 230 | 2.0  | 1   | 1.20 | 170  | 44.2 | 0.9  | 0.005 | 32    | 6.7 |     |
| 52H | 773307 | 16              | 301840 | 5447341 | UKNN      | LT 1      | 11      | 10    | M           |   | BR | L          | 86    | 56  | 2   | 33 | 10 | 0.2 | 370 | 2.0  | 1   | 1.65 | 200  | 55.0 | 0.9  | 0.005 | 38    | 6.4 |     |
| 52H | 773308 | 16              | 301840 | 5447341 | UKNN      | LT 1      | 11      | 20    | M           |   | BR | L          | 114   | 62  | 1   | 36 | 11 | 0.2 | 445 | 0.5  | 1   | 1.75 | 200  | 60.4 | 1.0  | 0.020 | 26    | 6.5 |     |
| 52H | 773309 | 16              | 297453 | 5446453 | UKNN      | 1-5       | 6       | 00    | M           |   | BR | GN         | 122   | 30  | 3   | 37 | 8  | 0.1 | 110 | 1.0  | 2   | 0.90 | 100  | 60.4 | 0.8  | 0.005 | 28    | 6.6 |     |
| 52H | 773310 | 16              | 295415 | 5446616 | UKNN      | POND      | 6       | 00    | M           |   | BR | L          | 108   | 36  | 5   | 35 | 9  | 0.1 | 265 | 0.5  | 1   | 1.50 | 150  | 51.0 | 0.5  | 0.005 | 34    | 6.5 |     |
| 52H | 773311 | 16              | 295583 | 5442949 | UKNN      | LT 1      | 25      | 00    | M           |   | BR | GN         | 98    | 82  | 2   | 34 | 10 | 0.2 | 450 | 1.0  | 2   | 2.20 | 170  | 47.4 | 0.9  | 0.020 | 28    | 6.7 |     |
| 52H | 773312 | 16              | 287207 | 5443609 | UKNN      | POND      | 10      | 00    | M           |   | BR | GN         | L     | 74  | 28  | 3  | 13 | 5   | 0.1 | 130  | 0.5 | 2    | 0.80 | 160  | 53.0 | 0.6   | 0.020 | 28  | 6.4 |
| 52H | 773313 | 16              | 283632 | 5444296 | UKNN      | POND      | 18      | 00    | M           |   | BR | GN         | L     | 78  | 46  | 2  | 15 | 9   | 0.1 | 250  | 0.5 | 1    | 2.00 | 170  | 45.0 | 1.1   | 0.005 | 38  | 6.4 |
| 52H | 773314 | 16              | 282358 | 5442879 | UKNN      | POND      | 15      | 00    | L           |   | BK | GN         | 60    | 44  | 2   | 14 | 4  | 0.1 | 140 | 0.5  | 1   | 0.80 | 200  | 45.4 | 0.8  | 0.005 | 28    | 6.1 |     |
| 52H | 773316 | 16              | 281965 | 5447258 | UKNN      | GT 5      | 10      | 00    | M           |   | BR | GN         | 164   | 32  | 3   | 21 | 10 | 0.1 | 195 | 0.5  | 1   | 2.30 | 170  | 43.8 | 1.5  | 0.005 | 40    | 7.1 |     |
| 52H | 773317 | 16              | 283800 | 5449326 | UKNN      | POND      | 10      | 00    | M           |   | BR | GN         | L     | 80  | 132 | 2  | 22 | 6   | 0.1 | 85   | 0.5 | 1    | 0.50 | 180  | 53.4 | 0.9   | 0.005 | 24  | 6.3 |
| 52H | 773318 | 16              | 287823 | 5447325 | UKNN      | 1-5       | 10      | 00    | M           |   | BR | GN         | L     | 152 | 26  | 4  | 20 | 23  | 0.1 | 1100 | 1.0 | 1    | 5.10 | 160  | 31.4 | 1.4   | 0.005 | 36  | 7.0 |
| 52H | 773319 | 16              | 286821 | 5451843 | UKNN      | POND      | 7       | 00    | M           |   | BR | L          | 90    | 36  | 2   | 16 | 9  | 0.1 | 370 | 0.5  | 1   | 1.40 | 170  | 46.2 | 0.8  | 0.005 | 36    | 6.3 |     |
| 52H | 773320 | 16              | 285420 | 5452411 | UKNN      | POND      | 6       | 00    | L           |   | BR | GN         | L     | 92  | 14  | 4  | 16 | 6   | 0.1 | 115  | 0.5 | 1    | 0.65 | 70   | 58.0 | 0.6   | 0.005 | 34  | 6.3 |
| 52H | 773322 | 16              | 285010 | 5453972 | UKNN      | LT 1      | 7       | 00    | L           |   | BR | GN         | 136   | 42  | 7   | 21 | 12 | 0.1 | 685 | 0.5  | 1   | 2.40 | 200  | 40.0 | 0.9  | 0.005 | 34    | 6.9 |     |
| 52H | 773323 | 16              | 288125 | 5455097 | UKNN      | POND      | 17      | 00    | L           |   | BR | GN         | L     | 110 | 36  | 2  | 18 | 10  | 0.1 | 325  | 0.5 | 1    | 2.15 | 190  | 32.0 | 1.3   | 0.005 | 38  | 6.8 |
| 52H | 773324 | 16              | 291434 | 5452318 | UKNN      | LT 1      | 10      | 00    | M           |   | BR | GN         | L     | 106 | 36  | 1  | 19 | 7   | 0.1 | 410  | 0.5 | 1    | 1.55 | 220  | 42.8 | 1.1   | 0.005 | 36  | 6.9 |
| 52H | 773325 | 16              | 292144 | 5454005 | UKNN      | LT 1      | 20      | 00    | L           |   | BR | L          | 118   | 40  | 1   | 19 | 8  | 0.1 | 395 | 0.5  | 1   | 1.95 | 210  | 38.2 | 0.8  | 0.005 | 32    | 6.9 |     |
| 52H | 773326 | 16              | 294728 | 5456563 | UKNN      | POND      | 13      | 00    | L           |   | BR |            | 80    | 58  | 1   | 19 | 7  | 0.1 | 205 | 0.5  | 1   | 1.00 | 190  | 57.8 | 0.7  | 0.005 | 38    | 6.9 |     |
| 52H | 773327 | 16              | 301453 | 5455186 | UKNN      | LT 1      | 8       | 70    | M           |   | BR | GN         | 96    | 46  | 2   | 18 | 8  | 0.1 | 120 | 0.5  | 2   | 1.80 | 130  | 46.0 | 9.8  | 0.080 | 110   | 6.8 |     |
| 52H | 773328 | 16              | 303406 | 5455232 | UKNN      | 1-5       | 8       | 10    | M           |   | BR |            | 78    | 40  | 3   | 17 | 6  | 0.1 | 140 | 0.5  | 1   | 1.00 | 200  | 42.0 | 0.9  | 0.005 | 38    | 6.9 |     |
| 52H | 773329 | 16              | 303406 | 5455232 | UKNN      | 1-5       | 8       | 20    | M           |   | BR |            | 64    | 40  | 1   | 17 | 6  | 0.1 | 140 | 0.5  | 1   | 0.95 | 170  | 40.4 | 1.1  | 0.005 | 46    | 6.8 |     |
| 52H | 773330 | 16              | 306077 | 5455374 | UKNN      | POND      | 18      | 00    | M           |   | BR |            | 84    | 104 | 1   | 25 | 8  | 0.1 | 200 | 0.5  | 1   | 1.15 | 270  | 45.6 | 1.1  | 0.005 | 30    | 6.9 |     |
| 52H | 773331 | 16              | 309559 | 5454609 | UKNN      | GT 5      | 76      | 00    | M           |   | GY | GN         | 84    | 60  | 1   | 30 | 9  | 0.1 | 445 | 0.5  | 2   | 1.70 | 140  | 26.4 | 0.7  | 0.005 | 28    | 7.2 |     |
| 52H | 773332 | 16              | 312964 | 5455057 | UKNN      | 1-5       | 10      | 00    | M           |   | BR | GN         | 72    | 98  | 1   | 23 | 6  | 0.2 | 180 | 0.5  | 2   | 1.10 | 210  | 40.0 | 1.4  | 0.005 | 28    | 6.9 |     |
| 52H | 773333 | 16              | 315542 | 5452265 | GRNG      | LT 1      | 5       | 00    | M           |   | BR |            | 94    | 76  | 6   | 19 | 9  | 0.1 | 105 | 0.5  | 1   | 0.80 | 190  | 54.4 | 0.7  | 0.005 | 28    | 6.2 |     |
| 52H | 773334 | 16              | 320489 | 5451050 | MVCC      | 1-5       | 14      | 00    | M           |   | BR |            | 106   | 64  | 1   | 15 | 8  | 0.1 | 260 | 0.5  | 1   | 1.30 | 190  | 40.8 | 2.2  | 0.010 | 36    | 6.8 |     |
| 52H | 773335 | 16              | 322929 | 5447183 | MVCC      | 1-5       | 17      | 00    | M           |   | BR | GN         | 88    | 76  | 2   | 17 | 10 | 0.1 | 150 | 0.5  | 1   | 0.95 | 180  | 50.0 | 0.6  | 0.005 | 30    | 7.1 |     |
| 52H | 773337 | 16              | 324308 | 5443434 | CGLM      | 1-5       | 4       | 00    | M           |   | BR | GN         | 72    | 30  | 2   | 25 | 8  | 0.1 | 175 | 1.0  | 1   | 1.10 | 140  | 35.2 | 0.7  | 0.005 | 34    | 6.7 |     |
| 52H | 773338 | 16              | 323721 | 5439666 | CGLM      | LT 1      | 33      | 00    | M           |   | BR |            | 96    | 58  | 1   | 53 | 16 | 0.1 | 435 | 0.5  | 2   | 2.50 | 180  | 47.4 | 1.1  | 0.005 | 44    | 6.7 |     |
| 52H | 773339 | 16              | 327638 | 5438828 | CGLM      | 1-5       | 10      | 00    | M           |   | BR | TN         | 82    | 32  | 3   | 30 | 17 | 0.1 | 355 | 1.5  | 1   | 1.90 | 120  | 20.2 | 1.6  | 0.005 | 34    | 6.9 |     |
| 52H | 773340 | 16              | 326761 | 5436589 | CGLM      | 1-5       | 30      | 00    | M           |   | BR | L          | 98    | 60  | 1   | 32 | 12 | 0.1 | 240 | 0.5  | 2   | 1.45 | 250  | 42.0 | 1.1  | 0.005 | 40    | 6.6 |     |
| 52H | 773342 | 16              | 334968 | 5437840 | CGLM      | GT 5      | 39      | 00    | M           |   | BR | GN         | 92    | 126 | 1   | 32 | 13 | 0.1 | 260 | 0.5  | 1   | 2.30 | 130  | 32.8 | 2.3  | 0.005 | 32    | 7.2 |     |
| 52H | 773343 | 16              | 333564 | 5440591 | CGLM      | 1-5       | 9       | 00    | M           |   | BR | GN         | 62    | 60  | 1   | 19 | 7  | 0.1 | 75  | 0.5  | 2   | 0.80 | 110  | 55.2 | 2.4  | 0.005 | 38    | 7.5 |     |
| 52H | 773344 | 16              | 339696 | 5441185 | DIBS      | LT 1      | 17      | 00    | M           |   | BR | L          | 76    | 120 | 2   | 14 | 8  | 0.1 | 135 | 0.5  | 1   | 0.95 | 300  | 50.6 | 0.8  | 0.005 | 32    | 7.3 |     |
| 52H | 773345 | 16              | 341282 | 5440988 | DIBS      | POND      | 5       | 70    | M           |   | BR | TN         | L     | 30  | 74  | 2  | 10 | 4   | 0.1 | 25   | 0.5 | 2    | 0.45 | 190  | 41.6 | 0.3   | 0.005 | 40  | 6.1 |
| 52H | 773346 | 16              | 342666 | 5441464 | DIBS      | 1-5       | 10      | 10    | M           |   | BR |            | 38    | 14  | 1   | 10 | 7  | 0.1 | 165 | 0.5  | 1   | 1.10 | 60   | 5.6  | 1.7  | 0.005 | 40    | 6.5 |     |
| 52H | 773347 | 16              | 342666 | 5441464 | DIBS      | 1-5       | 10      | 20    | M           |   | BR |            | 48    | 12  | 2   | 10 | 7  | 0.1 | 260 | 0.5  | 1   | 1.15 | 60   | 5.2  | 2.7  | 0.050 | 40    | 7.0 |     |

## REGIONAL LAKE SEDIMENT AND WATER GEOCHEMICAL RECONNAISSANCE DATA, ONTARIO 1977.

GSC-OF 507, NGR 18-1977, NTS 52A, 52H(S/2)

| MAP | SAMPLE | UTM COORDINATES |        |         | ROCK TYPE | LAKE AREA | SMP DTH | RP ST | R E G I O N |   |   |       | SAMP COLOR | S U P P O R T | ZN  | CU | PB | NI | CO  | AG   | MN   | AS | MO    | FE  | HG   | LOI  | U     | U-W | F-W | PH |
|-----|--------|-----------------|--------|---------|-----------|-----------|---------|-------|-------------|---|---|-------|------------|---------------|-----|----|----|----|-----|------|------|----|-------|-----|------|------|-------|-----|-----|----|
|     |        | ZN              | EAST   | NORTH   |           |           |         |       | F           | L | T |       |            |               |     |    |    |    |     |      |      |    |       |     |      |      |       |     |     |    |
| 52H | 773348 | 16              | 352181 | 5443690 | SMRK POND | 7         | 00      | M     |             |   |   | BR GN |            | 96            | 36  | 5  | 23 | 11 | 0.1 | 220  | 0.5  | 1  | 1.75  | 60  | 76.4 | 1.5  | 0.005 | 36  | 7.1 |    |
| 52H | 773349 | 16              | 355021 | 5443538 | SMRK GT 5 | 34        | 00      | M     |             |   |   | BR GY |            | 50            | 36  | 1  | 22 | 10 | 0.1 | 115  | 1.5  | 1  | 1.50  | 40  | 9.2  | 1.2  | 0.220 | 46  | 8.0 |    |
| 52H | 773350 | 16              | 362248 | 5444012 | DIBS LT 1 | 16        | 00      | M     |             |   |   | BR GN |            | 70            | 92  | 2  | 18 | 6  | 0.1 | 125  | 0.5  | 1  | 0.70  | 160 | 52.8 | 0.6  | 0.005 | 38  | 7.1 |    |
| 52H | 773351 | 16              | 387359 | 5444315 | GRNT LT 1 | 3         | 00      | M     |             |   |   | BR GN |            | 60            | 26  | 8  | 15 | 6  | 0.1 | 60   | 0.5  | 1  | 0.55  | 160 | 57.8 | 10.0 | 0.360 | 36  | 5.9 |    |
| 52H | 773352 | 16              | 386081 | 5445933 | GRNT 1-5  | 26        | 00      | M     |             |   |   | BK GN |            | 265           | 108 | 4  | 38 | 18 | 0.1 | 715  | 1.0  | 3  | 2.65  | 170 | 34.0 | 7.9  | 0.060 | 34  | 6.8 |    |
| 52H | 773353 | 16              | 384453 | 5445425 | DIBS POND | 9         | 00      | M     |             |   |   | BR GN |            | 156           | 68  | 3  | 31 | 14 | 0.1 | 195  | 0.5  | 1  | 1.00  | 110 | 41.4 | 4.2  | 0.040 | 32  | 6.8 |    |
| 52H | 773354 | 16              | 373590 | 5443434 | SMRK LT 1 | 3         | 00      | L     |             |   |   | BR GN |            | 74            | 2   | 1  | 1  | 2  | 0.1 | 30   | 0.5  | 1  | 0.20  | 130 | 76.2 | 0.5  | 0.005 | 46  | 6.7 |    |
| 52H | 773355 | 16              | 370205 | 5443500 | SMRK POND | 3         | 00      | L     |             |   |   | BR GN |            | 106           | 24  | 2  | 18 | 6  | 0.1 | 165  | 0.5  | 1  | 1.55  | 110 | 58.2 | 6.0  | 0.005 | 40  | 7.2 |    |
| 52H | 773356 | 16              | 366879 | 5444454 | DIBS GT 5 | 11        | 00      | L     |             |   |   | BK GN |            | 68            | 38  | 6  | 13 | 7  | 0.1 | 275  | 0.5  | 1  | 1.50  | 120 | 17.6 | 1.2  | 0.005 | 44  | 7.5 |    |
| 52H | 773358 | 16              | 367583 | 5440447 | SMRK POND | 3         | 00      | M     |             |   |   | GY    |            | 30            | 54  | 4  | 1  | 2  | 0.1 | 225  | 0.5  | 4  | 0.20  | 70  | 14.6 | 1.0  | 0.170 | 52  | 7.9 |    |
| 52H | 773359 | 16              | 360929 | 5449607 | DIBS POND | 25        | 00      | H     |             |   |   | BR GN |            | 170           | 220 | 3  | 23 | 15 | 0.1 | 195  | 10.0 | 4  | 1.65  | 170 | 43.4 | 24.2 | 0.560 | 64  | 7.7 |    |
| 52H | 773360 | 16              | 360168 | 5442872 | DIBS LT 1 | 7         | 00      | M     |             |   |   | BR GN |            | 112           | 88  | 7  | 18 | 7  | 0.1 | 165  | 0.5  | 1  | 0.65  | 140 | 44.2 | 0.3  | 0.005 | 40  | 7.1 |    |
| 52H | 773362 | 16              | 359863 | 5446107 | DIBS 1-5  | 31        | 00      | H     |             |   |   | BR GN |            | 130           | 245 | 3  | 38 | 10 | 0.1 | 320  | 0.5  | 1  | 1.80  | 170 | 43.4 | 1.2  | 0.005 | 38  | 7.2 |    |
| 52H | 773363 | 16              | 356006 | 5445758 | SMRK 1-5  | 65        | 00      | H     |             |   |   | BK GN |            | 78            | 62  | 1  | 50 | 22 | 0.1 | 420  | 10.0 | 3  | 3.30  | 70  | 7.8  | 2.5  | 0.280 | 54  | 7.9 |    |
| 52H | 773364 | 16              | 337245 | 5444721 | DIBS GT 5 | 14        | 00      | M     |             |   |   | BR GN |            | 134           | 94  | 2  | 34 | 12 | 0.1 | 180  | 0.5  | 1  | 1.55  | 150 | 41.8 | 1.1  | 0.005 | 38  | 6.8 |    |
| 52H | 773365 | 16              | 338385 | 5448244 | DIBS LT 1 | 15        | 00      | M     |             |   |   | BR    |            | 122           | 88  | 1  | 32 | 12 | 0.1 | 350  | 0.5  | 1  | 1.95  | 160 | 39.6 | 2.0  | 0.005 | 40  | 7.1 |    |
| 52H | 773366 | 16              | 334279 | 5447629 | DIBS POND | 12        | 00      | M     |             |   |   | BR    |            | 96            | 90  | 4  | 28 | 9  | 0.1 | 95   | 0.5  | 1  | 0.95  | 190 | 46.0 | 1.1  | 0.005 | 38  | 7.1 |    |
| 52H | 773367 | 16              | 334514 | 5445383 | CGLM LT 1 | 8         | 70      | M     |             |   |   | BR GN |            | 104           | 66  | 2  | 30 | 8  | 0.1 | 85   | 0.5  | 1  | 0.40  | 120 | 53.2 | 1.1  | 0.005 | 36  | 6.9 |    |
| 52H | 773368 | 16              | 333642 | 5445479 | CGLM 1-5  | 11        | 10      | M     |             |   |   | BR GN |            | 142           | 48  | 2  | 35 | 12 | 0.1 | 350  | 0.5  | 2  | 2.10  | 110 | 59.6 | 0.8  | 0.005 | 38  | 7.0 |    |
| 52H | 773369 | 16              | 333642 | 5445479 | CGLM 1-5  | 11        | 20      | M     |             |   |   | BR GN |            | 176           | 60  | 1  | 37 | 12 | 0.1 | 390  | 0.5  | 1  | 2.70  | 100 | 58.4 | 0.6  | 0.005 | 38  | 6.9 |    |
| 52H | 773370 | 16              | 332206 | 5444007 | CGLM LT 1 | 5         | 00      | M     |             |   |   | BR GN | L          | 128           | 70  | 6  | 34 | 12 | 0.1 | 245  | 0.5  | 1  | 1.20  | 210 | 52.0 | 0.8  | 0.005 | 40  | 6.6 |    |
| 52H | 773371 | 16              | 330544 | 5447802 | CGLM 1-5  | 5         | 00      | M     |             |   |   | BR GN |            | 78            | 62  | 5  | 28 | 11 | 0.1 | 500  | 0.5  | 1  | 1.25  | 110 | 36.0 | 1.1  | 0.005 | 32  | 7.0 |    |
| 52H | 773372 | 16              | 327946 | 5450697 | MVCC LT 1 | 30        | 00      | H     |             |   |   | BR GN |            | 126           | 92  | 1  | 16 | 10 | 0.1 | 235  | 0.5  | 2  | 0.95  | 140 | 60.4 | 0.7  | 0.005 | 40  | 7.4 |    |
| 52H | 773373 | 16              | 314443 | 5457749 | DIBS 1-5  | 36        | 00      | M     |             |   |   | BR GN |            | 92            | 128 | 3  | 16 | 10 | 0.1 | 235  | 0.5  | 1  | 1.35  | 250 | 48.4 | 0.8  | 0.005 | 32  | 6.6 |    |
| 52H | 773374 | 16              | 308419 | 5457417 | UKNN 1-5  | 4         | 00      | M     |             |   |   | BR GN |            | 104           | 60  | 7  | 20 | 8  | 0.1 | 100  | 0.5  | 1  | 0.60  | 160 | 57.2 | 0.6  | 0.005 | 40  | 6.7 |    |
| 52H | 773375 | 16              | 306998 | 5459589 | DIBS 1-5  | 5         | 00      | M     |             |   |   | BR GN |            | 128           | 58  | 5  | 38 | 14 | 0.1 | 385  | 0.5  | 1  | 2.25  | 200 | 35.4 | 0.8  | 0.005 | 34  | 6.9 |    |
| 52H | 773376 | 16              | 302814 | 5457438 | UKNN GT 5 | 23        | 00      | M     |             |   |   | BR GY |            | 58            | 44  | 1  | 19 | 15 | 0.1 | 970  | 0.5  | 3  | 7.25  | 40  | 10.8 | 1.5  | 0.005 | 46  | 7.1 |    |
| 52H | 773378 | 16              | 299011 | 5458417 | UKNN 1-5  | 6         | 00      | M     |             |   |   | BR GN |            | 68            | 18  | 1  | 13 | 13 | 0.1 | 220  | 0.5  | 1  | 1.50  | 70  | 9.2  | 0.3  | 0.020 | 86  | 7.1 |    |
| 52H | 773379 | 16              | 294569 | 5458925 | UKNN 1-5  | 5         | 00      | M     |             |   |   | BR    | L          | 70            | 32  | 1  | 14 | 6  | 0.1 | 240  | 0.5  | 1  | 1.05  | 170 | 38.4 | 0.8  | 0.005 | 50  | 6.7 |    |
| 52H | 773380 | 16              | 289642 | 5457792 | UKNN POND | 10        | 00      | M     |             |   |   | BR    | L          | 60            | 24  | 2  | 11 | 4  | 0.1 | 120  | 0.5  | 1  | 0.50  | 150 | 41.4 | 0.5  | 0.005 | 44  | 6.9 |    |
| 52H | 773382 | 16              | 287119 | 5458298 | UKNN LT 1 | 11        | 00      | M     |             |   |   | BR    |            | 78            | 48  | 1  | 16 | 7  | 0.1 | 305  | 0.5  | 2  | 1.35  | 270 | 50.2 | 1.4  | 0.020 | 40  | 6.6 |    |
| 52H | 773383 | 16              | 284692 | 5458830 | UKNN 1-5  | 22        | 70      | M     |             |   |   | BR GN |            | 118           | 66  | 1  | 32 | 15 | 0.1 | 150  | 1.0  | 2  | 2.05  | 80  | 56.6 | 1.1  | 0.005 | 40  | 6.9 |    |
| 52H | 773384 | 16              | 283362 | 5458180 | UKNN 1-5  | 24        | 10      | M     |             |   |   | BK BR |            | 88            | 34  | 1  | 12 | 7  | 0.1 | 1350 | 3.0  | 2  | 10.40 | 110 | 52.6 | 0.6  | 0.010 | 40  | 7.5 |    |
| 52H | 773385 | 16              | 283362 | 5458180 | UKNN 1-5  | 24        | 20      | M     |             |   |   | BK BR |            | 96            | 38  | 1  | 14 | 12 | 0.1 | 1100 | 2.0  | 1  | 9.55  | 120 | 50.6 | 0.9  | 0.005 | 40  | 7.5 |    |
| 52H | 773386 | 16              | 282176 | 5458349 | UKNN POND | 17        | 00      | L     |             |   |   | BR GN |            | 160           | 36  | 1  | 16 | 7  | 0.1 | 245  | 0.5  | 1  | 1.90  | 160 | 62.6 | 0.4  | 0.005 | 40  | 6.4 |    |
| 52H | 773387 | 16              | 282109 | 5462882 | GRNG LT 1 | 5         | 00      | L     |             |   |   | BR GN |            | 90            | 56  | 1  | 13 | 10 | 0.1 | 1550 | 0.5  | 1  | 9.30  | 120 | 58.6 | 0.7  | 0.005 | 44  | 7.3 |    |
| 52H | 773388 | 16              | 282027 | 5464140 | GRNG 1-5  | 10        | 00      | M     |             |   |   | BK GN |            | 86            | 16  | 1  | 14 | 13 | 0.1 | 520  | 5.5  | 1  | 13.10 | 110 | 52.4 | 0.6  | 0.005 | 46  | 7.3 |    |
| 52H | 773389 | 16              | 282301 | 5468134 | GRNG GT 5 | 33        | 00      | M     |             |   |   | BR GN |            | 104           | 26  | 2  | 18 | 20 | 0.1 | 885  | 0.5  | 1  | 3.35  | 130 | 26.4 | 1.4  | 0.020 | 52  | 7.2 |    |
| 52H | 773391 | 16              | 284959 | 5464930 | GRNG 1-5  | 40        | 00      | M     |             |   |   | BK GN |            | 168           | 36  | 2  | 19 | 13 | 0.1 | 2750 | 4.5  | 2  | 9.10  | 110 | 54.6 | 0.9  | 0.005 | 44  | 7.6 |    |
| 52H | 773392 | 16              | 285786 | 5462686 | GRNG 1-5  | 10        | 00      | M     |             |   |   | BR GN |            | 102           | 12  | 2  | 9  | 7  | 0.1 | 145  | 1.0  | 1  | 1.95  | 80  | 70.8 | 0.6  | 0.005 | 48  | 7.2 |    |
| 52H | 773393 | 16              | 287450 | 5461926 | GRNG 1-5  | 10        | 00      | M     |             |   |   | BR GN |            | 88            | 22  | 2  | 12 | 8  | 0.1 | 360  | 0.5  | 1  | 2.25  | 140 | 70.6 | 0.7  | 0.005 | 40  | 6.9 |    |
| 52H | 773394 | 16              | 288217 | 5464482 | GRNG POND | 8         | 00      | M     |             |   |   | BR GN |            | 146           | 22  | 3  | 21 | 11 | 0.1 | 150  | 0.5  | 1  | 1.00  | 80  | 53.0 | 0.6  | 0.020 | 34  | 7.0 |    |
| 52H | 773395 | 16              | 290535 | 5466450 | GRNG 1-5  | 14        | 00      | M     |             |   |   | BR GN |            | 126           | 94  | 1  | 24 | 16 | 0.1 | 955  | 6.0  | 2  | 6.65  | 80  | 64.6 | 2.3  | 0.030 | 50  | 8.0 |    |
| 52H | 773396 | 16              | 291035 | 5462918 | GRNG LT 1 | 9         | 00      | M     |             |   |   | BR GN |            | 138           | 24  | 1  | 20 | 16 | 0.1 | 815  | 1.0  | 1  | 5.50  | 140 | 40.0 | 1.1  | 0.005 | 46  | 7.5 |    |
| 52H | 773397 | 16              | 293548 | 5461956 | GRNG 1-5  | 9         | 00      | M     |             |   |   | BR GN | L          | 80            | 38  | 4  | 16 | 8  | 0.1 | 335  | 0.5  | 1  | 1.40  | 160 | 50.0 | 1.2  | 0.005 | 44  | 7.0 |    |
| 52H | 773398 | 16              | 294398 | 5464781 | GRNG 1-5  | 12        | 00      | M     |             |   |   | BR GN |            | 148           | 52  | 1  | 23 | 17 | 0.2 | 280  | 8.5  | 3  | 2.60  | 90  | 64.4 | 1.5  | 0.005 | 48  | 7.9 |    |
| 52H | 773399 | 16              | 298552 | 5466597 | GRNG POND | 17        | 00      | M     |             |   |   | BR GN |            | 86            | 48  | 1  | 17 | 10 | 0.1 | 140  | 0.5  | 1  | 1.15  | 90  | 51.8 | 1.1  | 0.005 | 46  | 7.4 |    |
| 52H | 773400 | 16              | 301171 | 5466589 | GRNG LT 1 | 16        | 00      | M     |             |   |   | BR    | L          | 86            | 28  | 1  | 9  | 5  | 0.1 | 130  | 0.5  | 1  | 1.40  | 150 | 56.6 | 0.7  | 0.005 | 48  | 7.1 |    |
| 52H | 773402 | 16              | 298955 | 5463032 | GRNG POND | 5         | 00      | M     |             |   |   | BR GN | L          | 76            | 22  | 6  | 12 | 7  | 0.1 | 210  | 0.5  | 1  | 0.75  | 130 | 54.2 | 0.6  | 0.005 | 42  | 6.4 |    |
| 52H | 773403 | 16              | 302200 | 5462591 | GRNG LT 1 | 20        | 00      | L     |             |   |   | BR GN |            | 132           | 48  | 1  | 17 | 10 | 0.1 | 600  | 0.5  | 1  | 3.75  | 140 | 51.4 | 1.4  | 0.005 | 44  | 7.0 |    |

| MAP | SAMPLE | UTM COORDINATES |        |         | ROCK TYPE | LAKE AREA | SMP DTH | RP ST | R<br>E<br>L | C<br>E<br>N | S<br>U<br>P | SAMP<br>COLOR | P   | ZN   | CU | PB | NI | CO  | AG   | MN  | AS | MO   | FE  | HG   | LOI | U     | U-W | F-W | PH |
|-----|--------|-----------------|--------|---------|-----------|-----------|---------|-------|-------------|-------------|-------------|---------------|-----|------|----|----|----|-----|------|-----|----|------|-----|------|-----|-------|-----|-----|----|
|     |        | ZN              | EAST   | NORTH   |           |           |         |       |             |             |             |               |     |      |    |    |    |     |      |     |    |      |     |      |     |       |     |     |    |
| 52H | 773404 | 16              | 304191 | 5461254 | GRNG      | POND      | 4       | 70    | M           |             | BR GN       |               | 84  | 54   | 3  | 22 | 9  | 0.1 | 390  | 0.5 | 1  | 1.15 | 150 | 45.0 | 1.2 | 0.005 | 42  | 6.9 |    |
| 52H | 773405 | 16              | 306228 | 5463427 | GRNG      | POND      | 9       | 10    | L           |             | BR GN       | L             | 92  | 28   | 8  | 19 | 8  | 0.1 | 245  | 0.5 | 1  | 0.70 | 160 | 61.2 | 0.4 | 0.005 | 42  | 6.4 |    |
| 52H | 773406 | 16              | 306228 | 5463427 | GRNG      | POND      | 9       | 20    | L           |             | BR GN       | L             | 92  | 32   | 1  | 22 | 7  | 0.1 | 180  | 0.5 | 2  | 0.65 | 140 | 72.0 | 0.6 | 0.005 | 40  | 6.4 |    |
| 52H | 773407 | 16              | 306259 | 5463909 | GRNG      | POND      | 7       | 00    | L           |             | BR GN       |               | 76  | 30   | 3  | 17 | 11 | 0.1 | 215  | 0.5 | 1  | 0.85 | 150 | 60.8 | 0.6 | 0.005 | 36  | 6.3 |    |
| 52H | 773408 | 16              | 308629 | 5463647 | DIBS      | LT 1      | 13      | 00    | M           |             | BR GN       |               | 86  | 78   | 2  | 23 | 8  | 0.1 | 245  | 0.5 | 1  | 1.45 | 170 | 39.6 | 1.2 | 0.005 | 38  | 7.0 |    |
| 52H | 773410 | 16              | 322812 | 5458329 | DIBS      | LT 1      | 11      | 00    | M           |             | BR GN       |               | 108 | 62   | 1  | 24 | 13 | 0.1 | 100  | 0.5 | 2  | 1.30 | 120 | 54.0 | 1.0 | 0.005 | 36  | 6.5 |    |
| 52H | 773411 | 16              | 323071 | 5462534 | DIBS      | 1-5       | 19      | 00    | M           |             | BR GN       | L             | 122 | 80   | 1  | 27 | 14 | 0.1 | 265  | 0.5 | 1  | 1.85 | 220 | 39.6 | 1.0 | 0.005 | 44  | 6.6 |    |
| 52H | 773412 | 16              | 323808 | 5465632 | DIBS      | 1-5       | 14      | 00    | M           |             | BR GN       |               | 118 | 96   | 1  | 27 | 13 | 0.1 | 360  | 0.5 | 2  | 3.40 | 170 | 43.4 | 0.8 | 0.005 | 38  | 7.0 |    |
| 52H | 773413 | 16              | 323360 | 5470173 | MVCC      | LT 1      | 12      | 00    | M           |             | BR GN       |               | 80  | 80   | 3  | 23 | 8  | 0.1 | 270  | 0.5 | 1  | 0.95 | 180 | 65.4 | 0.5 | 0.005 | 44  | 7.1 |    |
| 52H | 773414 | 16              | 320356 | 5469360 | MVCC      | 1-5       | 15      | 00    | M           |             | BR GN       |               | 92  | 50   | 2  | 20 | 13 | 0.1 | 425  | 0.5 | 1  | 2.00 | 150 | 18.4 | 1.2 | 0.005 | 38  | 7.0 |    |
| 52H | 773415 | 16              | 315014 | 5473536 | GRNG      | LT 1      | 8       | 00    | M           |             | BR GN       |               | 60  | 54   | 3  | 20 | 7  | 0.1 | 70   | 0.5 | 2  | 0.60 | 140 | 67.4 | 1.0 | 0.005 | 42  | 6.7 |    |
| 52H | 773416 | 16              | 327979 | 5471621 | DIBS      | LT 1      | 16      | 00    | M           |             | BR GN       |               | 104 | 134  | 2  | 22 | 11 | 0.1 | 330  | 0.5 | 1  | 1.90 | 150 | 32.2 | 1.5 | 0.005 | 36  | 7.3 |    |
| 52H | 773417 | 16              | 329914 | 5471667 | DIBS      | 1-5       | 9       | 00    | M           |             | BR GN       |               | 74  | 134  | 2  | 26 | 9  | 0.1 | 110  | 0.5 | 1  | 1.15 | 180 | 40.2 | 1.4 | 0.005 | 46  | 7.3 |    |
| 52H | 773418 | 16              | 336486 | 5475763 | UKNN      | LT 1      | 4       | 00    | M           |             | BR GN       |               | 54  | 108  | 2  | 17 | 5  | 0.1 | 60   | 1.5 | 2  | 0.45 | 170 | 62.8 | 0.7 | 0.005 | 38  | 7.2 |    |
| 52H | 773419 | 16              | 333081 | 5475309 | DIBS      | POND      | 7       | 00    | M           |             | BR GN       | L             | 64  | 128  | 1  | 12 | 8  | 0.1 | 160  | 0.5 | 1  | 0.60 | 150 | 50.6 | 0.2 | 0.005 | 40  | 6.7 |    |
| 52H | 773420 | 16              | 330240 | 5476568 | DIBS      | LT 1      | 7       | 00    | M           |             | BR GN       |               | 82  | 158  | 2  | 16 | 8  | 0.1 | 70   | 0.5 | 3  | 0.60 | 180 | 64.6 | 1.6 | 0.005 | 50  | 6.8 |    |
| 52H | 773422 | 16              | 331251 | 5480175 | DIBS      | GT 5      | 30      | 00    | M           |             | BR GN       |               | 104 | 54   | 4  | 20 | 10 | 0.1 | 290  | 0.5 | 1  | 2.05 | 140 | 23.0 | 1.2 | 0.005 | 30  | 7.0 |    |
| 52H | 773423 | 16              | 333082 | 5481047 | DIBS      | POND      | 12      | 00    | M           |             | BR GN       |               | 114 | 820  | 1  | 21 | 17 | 0.1 | 280  | 0.5 | 1  | 2.55 | 150 | 50.8 | 1.3 | 0.005 | 32  | 6.9 |    |
| 52H | 773424 | 16              | 333735 | 5483889 | DIBS      | POND      | 21      | 00    | M           |             | BK GN       |               | 182 | 1080 | 1  | 22 | 21 | 0.1 | 1250 | 0.5 | 2  | 4.15 | 230 | 54.4 | 1.6 | 0.005 | 30  | 7.4 |    |
| 52H | 773425 | 16              | 331562 | 5485280 | DIBS      | 1-5       | 25      | 00    | M           |             | BR GN       |               | 90  | 46   | 2  | 14 | 16 | 0.1 | 470  | 0.5 | 1  | 2.35 | 80  | 12.4 | 1.6 | 0.005 | 30  | 6.9 |    |
| 52H | 773426 | 16              | 328193 | 5484016 | DIBS      | POND      | 4       | 00    | M           |             | BR GN       | L             | 36  | 128  | 2  | 11 | 5  | 0.1 | 110  | 0.5 | 1  | 0.40 | 150 | 38.8 | 0.3 | 0.010 | 32  | 6.6 |    |
| 52H | 773427 | 16              | 327840 | 5479848 | GRNG      | POND      | 4       | 00    | M           |             | BR GN       | L             | 104 | 10   | 2  | 14 | 7  | 0.1 | 250  | 0.5 | 1  | 0.70 | 90  | 63.6 | 0.5 | 0.005 | 32  | 6.4 |    |
| 52H | 773428 | 16              | 323909 | 5475081 | GRNG      | LT 1      | 10      | 00    | M           |             | BR GN       |               | 114 | 102  | 1  | 28 | 11 | 0.1 | 715  | 0.5 | 1  | 1.60 | 150 | 56.2 | 0.8 | 0.005 | 28  | 7.1 |    |
| 52H | 773429 | 16              | 328354 | 5475113 | DIBS      | 1-5       | 17      | 00    | M           |             | BR          |               | 112 | 142  | 2  | 26 | 10 | 0.1 | 295  | 0.5 | 1  | 1.50 | 160 | 44.6 | 2.0 | 0.005 | 34  | 7.0 |    |
| 52H | 773430 | 16              | 400867 | 5444331 | GRNG      | LT 1      | 10      | 00    | M           | 1           | BR GN       |               | 174 | 42   | 5  | 28 | 7  | 0.1 | 145  | 0.5 | 1  | 0.75 | 160 | 40.4 | 7.4 | 0.120 | 34  | 6.8 |    |
| 52H | 773431 | 16              | 394502 | 5447019 | DIBS      | LT 1      | 12      | 00    | M           |             | BR GN       |               | 126 | 52   | 2  | 14 | 5  | 0.1 | 70   | 0.5 | 1  | 0.35 | 160 | 49.8 | 1.3 | 0.050 | 30  | 6.9 |    |
| 52H | 773432 | 16              | 395327 | 5452970 | GRCK      | LT 1      | 3       | 00    | L           |             | BR GN       |               | 106 | 24   | 2  | 17 | 4  | 0.2 | 75   | 0.5 | 1  | 0.35 | 110 | 44.8 | 2.4 | 0.040 | 34  | 7.2 |    |
| 52H | 773433 | 16              | 392867 | 5451614 | GRNT      | 1-5       | 6       | 00    | L           |             | BR GN       |               | 108 | 48   | 1  | 23 | 5  | 0.1 | 120  | 0.5 | 1  | 0.55 | 150 | 62.2 | 1.6 | 0.005 | 26  | 6.7 |    |
| 52H | 773435 | 16              | 392584 | 5453035 | GRCK      | LT 1      | 3       | 00    | L           |             | BR GN       |               | 36  | 36   | 5  | 12 | 3  | 0.1 | 140  | 0.5 | 1  | 0.80 | 80  | 36.2 | 4.1 | 0.005 | 26  | 7.4 |    |
| 52H | 773436 | 16              | 387982 | 5454647 | DIBS      | LT 1      | 38      | 00    | L           |             | BR GN       |               | 106 | 70   | 2  | 15 | 7  | 0.2 | 200  | 0.5 | 1  | 1.10 | 220 | 28.0 | 0.9 | 0.005 | 32  | 7.0 |    |
| 52H | 773437 | 16              | 384442 | 5459524 | DIBS      | 1-5       | 21      | 00    | M           |             | BR GN       |               | 138 | 168  | 1  | 50 | 25 | 0.1 | 245  | 1.0 | 1  | 2.80 | 190 | 33.0 | 2.7 | 0.005 | 22  | 7.2 |    |
| 52H | 773438 | 16              | 385833 | 5459987 | DIBS      | 1-5       | 10      | 70    | M           |             | GY GN       |               | 30  | 12   | 1  | 10 | 5  | 0.1 | 85   | 0.5 | 1  | 0.80 | 40  | 3.4  | 0.5 | 0.005 | 28  | 7.1 |    |
| 52H | 773439 | 16              | 385449 | 5461807 | DIBS      | 1-5       | 9       | 10    | M           |             | BR GN       |               | 98  | 134  | 1  | 31 | 11 | 0.1 | 110  | 0.5 | 1  | 0.90 | 120 | 60.2 | 0.7 | 0.005 | 22  | 7.0 |    |
| 52H | 773440 | 16              | 385449 | 5461807 | DIBS      | 1-5       | 9       | 20    | M           |             | BR GN       |               | 88  | 138  | 1  | 32 | 12 | 0.1 | 105  | 1.0 | 1  | 0.95 | 110 | 60.2 | 0.7 | 0.005 | 24  | 7.0 |    |
| 52H | 773442 | 16              | 380512 | 5463964 | DIBS      | LT 1      | 28      | 00    | M           |             | BR GN       |               | 114 | 192  | 1  | 26 | 12 | 0.2 | 230  | 0.5 | 1  | 1.25 | 210 | 38.2 | 0.8 | 0.005 | 24  | 7.2 |    |
| 52H | 773443 | 16              | 377200 | 5465700 | DIBS      | 1-5       | 39      | 70    | L           | 1           | BR GN       |               | 116 | 142  | 14 | 27 | 13 | 0.1 | 265  | 0.5 | 1  | 1.70 | 220 | 38.0 | 1.3 | 0.005 | 32  | 7.1 |    |
| 52H | 773444 | 16              | 378189 | 5465032 | DIBS      | 1-5       | 20      | 10    | M           |             | BR GN       |               | 116 | 142  | 2  | 29 | 14 | 0.1 | 295  | 0.5 | 1  | 1.70 | 210 | 46.6 | 1.8 | 0.005 | 24  | 6.9 |    |
| 52H | 773445 | 16              | 378189 | 5465032 | DIBS      | 1-5       | 20      | 20    | M           |             | BR GN       |               | 118 | 144  | 1  | 28 | 13 | 0.1 | 285  | 0.5 | 1  | 1.65 | 210 | 45.6 | 2.0 | 0.005 | 26  | 7.0 |    |
| 52H | 773447 | 16              | 376010 | 5468529 | DIBS      | POND      | 6       | 00    | L           |             | BR GN       |               | 72  | 118  | 3  | 38 | 14 | 0.1 | 100  | 0.5 | 1  | 1.50 | 90  | 27.0 | 1.3 | 0.005 | 28  | 7.2 |    |
| 52H | 773448 | 16              | 376806 | 5467934 | DIBS      | LT 1      | 32      | 00    | L           |             | BR GN       |               | 92  | 132  | 1  | 26 | 10 | 0.1 | 250  | 1.0 | 1  | 1.05 | 140 | 43.2 | 0.9 | 0.005 | 30  | 7.1 |    |
| 52H | 773449 | 16              | 367974 | 5475477 | DIBS      | LT 1      | 30      | 00    | L           |             | BR GN       |               | 112 | 188  | 2  | 24 | 19 | 0.2 | 420  | 0.5 | 1  | 2.35 | 190 | 43.4 | 0.8 | 0.005 | 26  | 7.3 |    |
| 52H | 773450 | 16              | 364232 | 5476764 | DIBS      | LT 1      | 11      | 00    | L           |             | BR GN       |               | 134 | 405  | 3  | 15 | 10 | 0.1 | 150  | 1.0 | 1  | 1.05 | 180 | 35.2 | 0.6 | 0.005 | 28  | 7.0 |    |
| 52H | 773451 | 16              | 364959 | 5479914 | SMRK      | 1-5       | 14      | 00    | M           |             | BR GN       |               | 118 | 170  | 2  | 24 | 13 | 0.1 | 220  | 2.0 | 1  | 1.40 | 140 | 46.2 | 0.7 | 0.005 | 24  | 7.0 |    |
| 52H | 773452 | 16              | 362940 | 5483689 | DIBS      | 1-5       | 125     | 00    | H           |             | BK GN       |               | 112 | 440  | 2  | 51 | 23 | 0.1 | 1450 | 0.5 | 1  | 5.45 | 150 | 22.1 | 1.6 | 0.005 | 24  | 7.4 |    |
| 52H | 773453 | 16              | 360952 | 5482360 | DIBS      | LT 1      | 14      | 00    | L           |             | BR GN       |               | 102 | 124  | 2  | 21 | 13 | 0.1 | 255  | 0.5 | 1  | 1.10 | 170 | 48.0 | 0.1 | 0.005 | 24  | 6.7 |    |
| 52H | 773454 | 16              | 359267 | 5480856 | DIBS      | LT 1      | 3       | 00    | L           |             | BR GN       |               | 68  | 74   | 4  | 15 | 7  | 0.2 | 95   | 0.5 | 1  | 0.65 | 140 | 37.2 | 0.3 | 0.005 | 26  | 6.7 |    |
| 52H | 773455 | 16              | 356387 | 5480597 | DIBS      | LT 1      | 8       | 00    | M           |             | BR GN       |               | 112 | 390  | 1  | 43 | 14 | 0.1 | 360  | 0.5 | 1  | 1.35 | 170 | 46.2 | 1.4 | 0.010 | 30  | 7.4 |    |
| 52H | 773456 | 16              | 359155 | 5477286 | SMRK      | LT 1      | 13      | 00    | L           |             | BR GN       |               | 66  | 64   | 3  | 18 | 11 | 0.1 | 185  | 0.5 | 1  | 1.60 | 100 | 17.4 | 0.7 | 0.005 | 26  | 7.0 |    |
| 52H | 773457 | 16              | 344344 | 5452028 | UKNN      | LT 1      | 4       | 00    | L           | 1           | BR GN       |               | 84  | 78   | 3  | 29 | 8  | 0.2 | 205  | 0.5 | 1  | 0.90 | 170 | 40.6 | 0.8 | 0.005 | 28  | 7.0 |    |
| 52H | 773458 | 16              | 347811 | 5450335 | DIBS      | LT 1      | 19      | 00    | M           |             | BR GN       |               | 66  | 78   | 2  | 17 | 10 | 0.1 | 135  | 0.5 | 1  | 1.45 | 120 | 51.2 | 1.5 | 0.005 | 30  | 7.3 |    |

REGIONAL LAKE SEDIMENT AND WATER GEOCHEMICAL RECONNAISSANCE DATA, ONTARIO 1977.

GSC-OF 507, NGR 18-1977, NTS 52A, 52H(S/2)

| MAP | SAMPLE | UTM COORDINATES |        | ROCK TYPE | LAKE AREA | SMP DTH | RP ST | R C S<br>E G O<br>L E N |  |  | SAMP COLOR | P   | ZN  | CU | PB | NI | CO  | AG   | MN  | AS | MO   | FE  | HG   | LOI | U     | U-W | F-W | PH |
|-----|--------|-----------------|--------|-----------|-----------|---------|-------|-------------------------|--|--|------------|-----|-----|----|----|----|-----|------|-----|----|------|-----|------|-----|-------|-----|-----|----|
|     |        | ZN              | EAST   |           |           |         |       | NORTH                   |  |  |            |     |     |    |    |    |     |      |     |    |      |     |      |     |       |     |     |    |
| 52H | 773459 | 16              | 351597 | 5451788   | DIBS LT 1 | 6       | 00 M  |                         |  |  | BR GN      | 38  | 180 | 4  | 18 | 5  | 0.1 | 40   | 0.5 | 1  | 0.40 | 160 | 40.4 | 1.6 | 0.005 | 36  | 7.2 |    |
| 52H | 773460 | 16              | 349648 | 5454936   | UKNN POND | 6       | 00 L  |                         |  |  | BR GN      | 66  | 68  | 1  | 22 | 10 | 0.1 | 190  | 0.5 | 1  | 1.20 | 130 | 32.0 | 0.5 | 0.005 | 28  | 6.9 |    |
| 52H | 773462 | 16              | 362811 | 5453170   | DIBS 1-5  | 11      | 00 M  |                         |  |  | GY GN      | 42  | 18  | 1  | 12 | 8  | 0.1 | 165  | 0.5 | 1  | 1.30 | 50  | 5.6  | 1.4 | 0.270 | 30  | 7.3 |    |
| 52H | 773463 | 16              | 360718 | 5451267   | DIBS GT 5 | 28      | 00 L  |                         |  |  | BR GN      | 98  | 60  | 2  | 26 | 15 | 0.1 | 650  | 1.5 | 1  | 2.90 | 120 | 17.8 | 4.5 | 0.210 | 110 | 7.3 |    |
| 52H | 773464 | 16              | 362499 | 5449801   | DIBS LT 1 | 30      | 00 M  |                         |  |  | BK GN      | 154 | 245 | 2  | 85 | 33 | 0.1 | 815  | 0.5 | 2  | 5.75 | 130 | 32.6 | 1.6 | 0.010 | 32  | 7.3 |    |
| 52H | 773465 | 16              | 363618 | 5448433   | DIBS LT 1 | 11      | 70 L  |                         |  |  | GN         | 154 | 270 | 1  | 55 | 24 | 0.1 | 470  | 0.5 | 1  | 3.05 | 240 | 36.8 | 1.3 | 0.005 | 46  | 7.0 |    |
| 52H | 773466 | 16              | 363793 | 5447259   | DIBS LT 1 | 21      | 10 L  |                         |  |  | BR GN      | 164 | 235 | 1  | 27 | 15 | 0.1 | 350  | 0.5 | 1  | 3.50 | 220 | 37.2 | 0.9 | 0.005 | 26  | 7.0 |    |
| 52H | 773467 | 16              | 363793 | 5447259   | DIBS LT 1 | 21      | 20 L  |                         |  |  | BR GN      | 170 | 240 | 1  | 36 | 15 | 0.1 | 360  | 0.5 | 1  | 3.60 | 230 | 36.2 | 1.2 | 0.005 | 30  | 7.0 |    |
| 52H | 773468 | 16              | 356974 | 5451396   | DIBS 1-5  | 6       | 00 L  |                         |  |  | BK BR      | 86  | 98  | 5  | 26 | 12 | 0.1 | 165  | 2.0 | 2  | 3.15 | 140 | 39.8 | 1.1 | 0.005 | 30  | 7.1 |    |
| 52H | 773469 | 16              | 359351 | 5453761   | DIBS POND | 12      | 00 L  |                         |  |  | BR         | 78  | 305 | 5  | 24 | 8  | 0.1 | 175  | 2.0 | 1  | 1.15 | 230 | 47.6 | 0.9 | 0.005 | 32  | 6.9 |    |
| 52H | 773471 | 16              | 358499 | 5457120   | DIBS GT 5 | 16      | 00 L  | 1                       |  |  | GY         | 108 | 68  | 3  | 27 | 22 | 0.1 | 855  | 1.0 | 1  | 3.95 | 120 | 13.0 | 0.9 | 0.005 | 32  | 7.2 |    |
| 52H | 773472 | 16              | 355765 | 5455855   | DIBS POND | 4       | 00 L  |                         |  |  | BR         | 30  | 320 | 4  | 41 | 8  | 0.1 | 20   | 4.0 | 9  | 0.30 | 170 |      | 1.3 | 0.005 | 40  | 7.4 |    |
| 52H | 773473 | 16              | 355939 | 5459021   | DIBS LT 1 | 24      | 00 M  | 1                       |  |  | BR GN      | 110 | 405 | 1  | 18 | 11 | 0.1 | 480  | 1.5 | 1  | 1.20 | 150 | 52.0 | 5.0 | 0.005 | 28  | 6.7 |    |
| 52H | 773474 | 16              | 359682 | 5461850   | DIBS LT 1 | 4       | 00 L  |                         |  |  | BR         | 116 | 178 | 5  | 17 | 9  | 0.1 | 230  | 0.5 | 1  | 1.95 | 120 | 34.4 | 1.2 | 0.005 | 28  | 6.7 |    |
| 52H | 773475 | 16              | 378875 | 5446603   | SMRK POND | 2       | 00 M  | 1                       |  |  | GY         | 36  | 128 | 2  | 3  | 3  | 0.1 | 135  | 1.0 | 5  | 0.30 | 90  | 22.8 | 1.5 | 0.005 | 48  | 7.9 |    |
| 52H | 773476 | 16              | 381639 | 5447568   | SMRK GT 5 | 10      | 00 M  | 1                       |  |  | BR GN      | 52  | 38  | 7  | 16 | 10 | 0.1 | 320  | 1.0 | 1  | 1.40 | 70  | 15.8 | 2.1 | 0.110 | 34  | 7.5 |    |
| 52H | 773477 | 16              | 381424 | 5451962   | SMRK 1-5  | 40      | 00 H  |                         |  |  | BR GY      | 56  | 46  | 7  | 17 | 9  | 0.1 | 265  | 0.5 | 2  | 1.50 | 80  | 20.4 | 2.4 | 0.110 | 42  | 7.3 |    |
| 52H | 773478 | 16              | 374884 | 5449226   | SMRK POND | 6       | 00 M  | 1                       |  |  | BK BR      | 112 | 24  | 5  | 16 | 5  | 0.1 | 145  | 0.3 | 3  | 4.15 | 90  | 55.2 | 4.2 | 0.040 | 38  | 7.2 |    |
| 52H | 773479 | 16              | 368985 | 5455950   | DIBS LT 1 | 10      | 00 M  |                         |  |  | BR         | 230 | 12  | 1  | 7  | 14 | 0.1 | 735  | 1.0 | 2  | 1.45 | 70  |      | 0.5 | 0.005 | 30  | 7.2 |    |
| 52H | 773480 | 16              | 360188 | 5466405   | DIBS POND | 89      | 00 M  |                         |  |  | BR GN      | 86  | 194 | 3  | 33 | 24 | 0.1 | 1000 | 0.5 | 1  | 4.75 | 210 |      | 1.4 | 0.005 | 30  | 7.3 |    |
| 52H | 773482 | 16              | 353251 | 5466616   | DIBS LT 1 | 46      | 70 H  |                         |  |  | BR GN      | 102 | 178 | 1  | 31 | 14 | 0.1 | 730  | 0.5 | 1  | 2.60 | 190 | 26.6 | 0.9 | 0.005 | 26  | 7.1 |    |
| 52H | 773483 | 16              | 353762 | 5464916   | DIBS LT 1 | 12      | 10 H  |                         |  |  | BR GN      | 76  | 164 | 6  | 28 | 6  | 0.1 | 260  | 0.5 | 1  | 1.10 | 240 | 38.0 | 0.8 | 0.005 | 38  | 7.0 |    |
| 52H | 773484 | 16              | 353762 | 5464916   | DIBS LT 1 | 12      | 20 H  |                         |  |  | BR GN      | 68  | 168 | 1  | 28 | 8  | 0.1 | 250  | 0.5 | 1  | 1.05 | 210 | 39.2 | 0.9 | 0.005 | 30  | 6.9 |    |
| 52H | 773485 | 16              | 356205 | 5464720   | DIBS POND | 11      | 00 H  |                         |  |  | BR GN L    | 68  | 118 | 3  | 36 | 9  | 0.1 | 245  | 0.5 | 1  | 1.00 | 210 | 31.0 | 0.4 | 0.005 | 32  | 6.9 |    |
| 52H | 773486 | 16              | 355137 | 5462218   | DIBS POND | 19      | 00 H  |                         |  |  | BR GN      | 130 | 385 | 1  | 29 | 15 | 0.1 | 400  | 0.5 | 2  | 2.10 | 160 | 45.2 | 1.1 | 0.005 | 26  | 7.0 |    |
| 52H | 773487 | 16              | 352212 | 5460581   | DIBS 1-5  | 23      | 00 H  |                         |  |  | BR GN      | 106 | 196 | 1  | 43 | 17 | 0.1 | 475  | 0.5 | 2  | 2.55 | 170 | 35.2 | 0.9 | 0.005 | 28  | 7.1 |    |
| 52H | 773488 | 16              | 352927 | 5458527   | DIBS LT 1 | 22      | 00 H  |                         |  |  | BR GN      | 146 | 255 | 1  | 31 | 16 | 0.1 | 325  | 0.5 | 1  | 2.55 | 240 | 35.6 | 1.0 | 0.005 | 26  | 6.9 |    |

| VARIABLE NAME                |      | UNIT OF MEASUREMENT |       | DATA SUBSET                     |             |
|------------------------------|------|---------------------|-------|---------------------------------|-------------|
| ZN                           | LKSD | PPM                 | TOTAL |                                 |             |
| HISTOGRAM                    |      |                     |       |                                 |             |
| **                           | *    | *                   | *     | *                               | *           |
| I                            |      |                     |       | N                               | % CUM %     |
| 100 PPB *                    |      |                     |       | 1                               | .11 .11     |
| 200 PPB *                    |      |                     |       |                                 |             |
| 500 PPB *                    |      |                     |       |                                 |             |
| 1 PPM *                      |      |                     |       |                                 |             |
| 2 PPM *                      |      |                     |       |                                 |             |
| 5 PPM *                      |      |                     |       |                                 |             |
| I                            |      |                     |       | 1                               | .11 .22     |
| 10 PPM *                     |      |                     |       |                                 |             |
| 20 PPM *                     |      |                     |       |                                 |             |
| XXX                          |      |                     |       | 62                              | 6.72 6.94   |
| 50 PPM *                     |      |                     |       |                                 |             |
| XXXXXXXXXXXXXXXXXXXXXXXXXXXX |      |                     |       | 439                             | 47.61 54.56 |
| 100 PPM *                    |      |                     |       |                                 |             |
| XXXXXXXXXXXXXXXXXXXXXXXXXXXX |      |                     |       | 378                             | 41.00 95.55 |
| 200 PPM *                    |      |                     |       |                                 |             |
| XX                           |      |                     |       | 39                              | 4.23 99.78  |
| 500 PPM *                    |      |                     |       |                                 |             |
| I                            |      |                     |       | 2                               | .22 100.00  |
| 1000 PPM *                   |      |                     |       |                                 |             |
| 2000 PPM *                   |      |                     |       |                                 |             |
| 5000 PPM *                   |      |                     |       |                                 |             |
| **                           | *    | *                   | *     | *                               | *           |
| O                            | 20   | 40                  | 60    | 80                              | 100         |
| PERCENT                      |      |                     |       |                                 |             |
| SUMMARY STATISTICS           |      |                     |       |                                 |             |
|                              |      |                     |       | TOTAL NUMBER OF SAMPLES         | 922         |
|                              |      |                     |       | NUMBER OF ZERO VALUE SAMPLES    | 1           |
|                              |      |                     |       | NUMBER OF NON-ZERO SAMPLES      | 921         |
|                              |      |                     |       | ARITHMETIC MEAN                 | 106.3008    |
|                              |      |                     |       | VARIANCE                        | 3266.4084   |
|                              |      |                     |       | STANDARD DEVIATION              | 57.1525     |
|                              |      |                     |       | SKEW                            | 4.7907      |
|                              |      |                     |       | EXCESS KURTOSIS                 | 51.4499     |
|                              |      |                     |       | COEFFICIENT OF VARIANCE, %      | 53.7649     |
|                              |      |                     |       | STANDARD ERROR OF THE MEAN      | 1.8832      |
|                              |      |                     |       | LOWER 95% LIMIT ON THE MEAN     | 102.6051    |
|                              |      |                     |       | UPPER 95% LIMIT ON THE MEAN     | 109.9964    |
|                              |      |                     |       | LOWER 95% LIMIT ON THE RANGE    | -5.8550     |
|                              |      |                     |       | UPPER 95% LIMIT ON THE RANGE    | 218.4565    |
|                              |      |                     |       | GEOMETRIC MEAN                  | 96.0133     |
|                              |      |                     |       | LOG10 MEAN                      | 1.9823      |
|                              |      |                     |       | LOG10 VARIANCE                  | .0374       |
|                              |      |                     |       | LOG10 STANDARD DEVIATION        | .1934       |
|                              |      |                     |       | STANDARD ERROR ON THE MEAN      | .0064       |
|                              |      |                     |       | LOWER 95% LIMIT ON THE MEAN     | 93.2876     |
|                              |      |                     |       | UPPER 95% LIMIT ON THE MEAN     | 98.8186     |
|                              |      |                     |       | LOWER 95% LIMIT ON THE RANGE    | 40.0643     |
|                              |      |                     |       | UPPER 95% LIMIT ON THE RANGE    | 230.0937    |
|                              |      |                     |       | MINIMUM VALUE                   | 10.0000     |
|                              |      |                     |       | 25TH PERCENTILE OR 1ST QUARTILE | 76.0000     |
|                              |      |                     |       | 50TH PERCENTILE OR MEDIAN       | 96.0000     |
|                              |      |                     |       | 75TH PERCENTILE OR 3RD QUARTILE | 124.0000    |
|                              |      |                     |       | 80TH PERCENTILE                 | 134.0000    |
|                              |      |                     |       | 90TH PERCENTILE                 | 158.0000    |
|                              |      |                     |       | 95TH PERCENTILE                 | 194.0000    |
|                              |      |                     |       | 98TH PERCENTILE                 | 255.0000    |
|                              |      |                     |       | 99TH PERCENTILE                 | 285.0000    |
|                              |      |                     |       | MAXIMUM VALUE                   | 925.0000    |



VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 CU LKSD                      PPM                      TOTAL

HISTOGRAM

SUMMARY STATISTICS

|                       | N   | %     | CUM %  |   |
|-----------------------|-----|-------|--------|---|
| **                    |     |       |        |   |
| I                     |     |       |        |   |
| 100 PPB *             | 1   | .11   | .11    | TOTAL NUMBER OF SAMPLES 922             |
|                       |     |       |        | NUMBER OF ZERO VALUE SAMPLES 1          |
|                       |     |       |        | NUMBER OF NON-ZERO SAMPLES 921          |
| 200 PPB *             |     |       |        |   |
| 500 PPB *             |     |       |        | ARITHMETIC MEAN 72.4148                 |
| 1 PPM *               |     |       |        | VARIANCE 5256.5582                      |
| I                     |     |       |        | STANDARD DEVIATION 72.5021              |
| 2 PPM *               | 1   | .11   | .22    | SKEW 5.6970                             |
|                       |     |       |        | EXCESS KURTOSIS 56.5917                 |
| 5 PPM *               |     |       |        | COEFFICIENT OF VARIANCE, % 100.1206     |
| I                     |     |       |        |   |
| 10 PPM *              | 8   | .87   | 1.08   | STANDARD ERROR OF THE MEAN 2.3890       |
| XXX                   |     |       |        | LOWER 95% LIMIT ON THE MEAN 67.7266     |
| 20 PPM *              | 59  | 6.40  | 7.48   | UPPER 95% LIMIT ON THE MEAN 77.1030     |
| XXXXXXXXXXXXXXXXXXXXX |     |       |        |   |
| 50 PPM *              | 353 | 38.29 | 45.77  | LOWER 95% LIMIT ON THE RANGE -69.8630   |
| XXXXXXXXXXXXXXXXXXXXX |     |       |        | UPPER 95% LIMIT ON THE RANGE 214.6926   |
| 100 PPM *             | 339 | 36.77 | 82.54  |   |
| XXXXXXXXXX            |     |       |        | GEOMETRIC MEAN 55.4883                  |
| 200 PPM *             | 127 | 13.77 | 96.31  | LOG10 MEAN 1.7442                       |
| XX                    |     |       |        | LOG10 VARIANCE .0919                    |
| 500 PPM *             | 32  | 3.47  | 99.78  | LOG10 STANDARD DEVIATION .3032          |
| I                     |     |       |        |   |
| 1000 PPM *            | 1   | .11   | 99.89  | STANDARD ERROR ON THE MEAN .0100        |
| I                     |     |       |        |   |
| 2000 PPM *            | 1   | .11   | 100.00 | LOWER 95% LIMIT ON THE MEAN 53.0392     |
|                       |     |       |        | UPPER 95% LIMIT ON THE MEAN 58.0505     |
| 5000 PPM *            |     |       |        |   |
|                       |     |       |        | LOWER 95% LIMIT ON THE RANGE 14.1010    |
| 1 PCT *               |     |       |        | UPPER 95% LIMIT ON THE RANGE 218.3496   |
| 2 PCT *               |     |       |        |   |
| 5 PCT *               |     |       |        | MINIMUM VALUE 2.0000                    |
| **                    |     |       |        | 25TH PERCENTILE OR 1ST QUARTILE 36.0000 |
| *                     |     |       |        | 50TH PERCENTILE OR MEDIAN 54.0000       |
| *                     |     |       |        | 75TH PERCENTILE OR 3RD QUARTILE 82.0000 |
| *                     |     |       |        | 80TH PERCENTILE 94.0000                 |
| *                     |     |       |        | 90TH PERCENTILE 134.0000                |
| *                     |     |       |        | 95TH PERCENTILE 188.0000                |
| *                     |     |       |        | 98TH PERCENTILE 268.0000                |
| *                     |     |       |        | 99TH PERCENTILE 385.0000                |
| *                     |     |       |        | MAXIMUM VALUE 1080.0000                 |

PERCENT

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 PB LKSD                      PPM                      TOTAL

| HISTOGRAM                |    |    |    |    |     | SUMMARY STATISTICS |       |                                 |          |
|--------------------------|----|----|----|----|-----|--------------------|-------|---------------------------------|----------|
|                          |    |    |    |    | N   | %                  | CUM % |                                 |          |
| **                       | *  | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES         | 922      |
| I                        |    |    |    |    | *   | 1                  | .11   | NUMBER OF ZERO VALUE SAMPLES    | 1        |
| 10 PPB *                 |    |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES      | 921      |
| 20 PPB *                 |    |    |    |    | *   |                    |       | ARITHMETIC MEAN                 | 4.5125   |
| 50 PPB *                 |    |    |    |    | *   |                    |       | VARIANCE                        | 39.8914  |
| 100 PPB *                |    |    |    |    | *   |                    |       | STANDARD DEVIATION              | 6.3160   |
| 200 PPB *                |    |    |    |    | *   |                    |       | SKEW                            | 18.5856  |
| 500 PPB *                |    |    |    |    | *   |                    |       | EXCESS KURTOSIS                 | 463.5941 |
| XXXXXXX                  |    |    |    |    | *   |                    |       | COEFFICIENT OF VARIANCE, %      | 139.9664 |
| 1 PPM *                  |    |    |    |    | *   | 121                | 13.12 | STANDARD ERROR OF THE MEAN      | .2081    |
| XXXXXXX                  |    |    |    |    | *   | 182                | 19.74 | LOWER 95% LIMIT ON THE MEAN     | 4.1041   |
| 2 PPM *                  |    |    |    |    | *   | 387                | 41.97 | UPPER 95% LIMIT ON THE MEAN     | 4.9209   |
| XXXXXXXXXXXXXXXXXXXXXXXX |    |    |    |    | *   | 182                | 19.74 | LOWER 95% LIMIT ON THE RANGE    | -7.8819  |
| 5 PPM *                  |    |    |    |    | *   | 182                | 19.74 | UPPER 95% LIMIT ON THE RANGE    | 16.9069  |
| XXXXXXX                  |    |    |    |    | *   | 45                 | 4.88  | GEOMETRIC MEAN                  | 3.4021   |
| 10 PPM *                 |    |    |    |    | *   | 3                  | .33   | LOG10 MEAN                      | .5317    |
| XX                       |    |    |    |    | *   |                    |       | LOG10 VARIANCE                  | .0973    |
| 20 PPM *                 |    |    |    |    | *   |                    |       | LOG10 STANDARD DEVIATION        | .3120    |
| I                        |    |    |    |    | *   |                    |       | STANDARD ERROR ON THE MEAN      | .0103    |
| 50 PPM *                 |    |    |    |    | *   | 1                  | .11   | LOWER 95% LIMIT ON THE MEAN     | 3.2476   |
| I                        |    |    |    |    | *   |                    |       | UPPER 95% LIMIT ON THE MEAN     | 3.5638   |
| 100 PPM *                |    |    |    |    | *   |                    |       | LOWER 95% LIMIT ON THE RANGE    | .8308    |
| 200 PPM *                |    |    |    |    | *   |                    |       | UPPER 95% LIMIT ON THE RANGE    | 13.9317  |
| 500 PPM *                |    |    |    |    | *   |                    |       | MINIMUM VALUE                   | 1.0000   |
| 1000 PPM *               |    |    |    |    | *   |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | 2.0000   |
| 2000 PPM *               |    |    |    |    | *   |                    |       | 50TH PERCENTILE OR MEDIAN       | 3.0000   |
| 5000 PPM *               |    |    |    |    | *   |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | 6.0000   |
| **                       | *  | *  | *  | *  | *   |                    |       | 80TH PERCENTILE                 | 6.0000   |
| O                        | 20 | 40 | 60 | 80 | 100 |                    |       | 90TH PERCENTILE                 | 8.0000   |
|                          |    |    |    |    |     |                    |       | 95TH PERCENTILE                 | 11.0000  |
|                          |    |    |    |    |     |                    |       | 98TH PERCENTILE                 | 15.0000  |
|                          |    |    |    |    |     |                    |       | 99TH PERCENTILE                 | 17.0000  |
|                          |    |    |    |    |     |                    |       | MAXIMUM VALUE                   | 166.0000 |

PERCENT

| VARIABLE NAME      |      | UNIT OF MEASUREMENT | DATA SUBSET |                                 |          |             |
|--------------------|------|---------------------|-------------|---------------------------------|----------|-------------|
| NI                 | LKSD | PPM                 | TOTAL       |                                 |          |             |
| HISTOGRAM          |      |                     |             |                                 |          |             |
| **                 | *    | *                   | *           | N                               | %        | CUM %       |
| I                  |      |                     |             | *                               |          |             |
| 10 PPB             | *    |                     |             | *                               | 1        | .11 .11     |
| 20 PPB             | *    |                     |             | *                               |          |             |
| 50 PPB             | *    |                     |             | *                               |          |             |
| 100 PPB            | *    |                     |             | *                               |          |             |
| 200 PPB            | *    |                     |             | *                               |          |             |
| 500 PPB            | *    |                     |             | *                               |          |             |
| I                  |      |                     |             | *                               | 3        | .33 .43     |
| 1 PPM              | *    |                     |             | *                               |          |             |
| 2 PPM              | *    |                     |             | *                               |          |             |
| I                  |      |                     |             | *                               | 4        | .43 .87     |
| 5 PPM              | *    |                     |             | *                               |          |             |
| XX                 |      |                     |             | *                               | 37       | 4.01 4.88   |
| 10 PPM             | *    |                     |             | *                               |          |             |
| 20 PPM             | *    |                     |             | *                               | 383      | 41.54 46.42 |
| 50 PPM             | *    |                     |             | *                               | 462      | 50.11 96.53 |
| XX                 |      |                     |             | *                               | 28       | 3.04 99.57  |
| 100 PPM            | *    |                     |             | *                               |          |             |
| I                  |      |                     |             | *                               | 4        | .43 100.00  |
| 200 PPM            | *    |                     |             | *                               |          |             |
| 500 PPM            | *    |                     |             | *                               |          |             |
| 1000 PPM           | *    |                     |             | *                               |          |             |
| 2000 PPM           | *    |                     |             | *                               |          |             |
| 5000 PPM           | *    |                     |             | *                               |          |             |
| **                 | *    | *                   | *           | *                               |          |             |
| O                  | 20   | 40                  | 60          | 80                              | 100      |             |
| PERCENT            |      |                     |             |                                 |          |             |
| SUMMARY STATISTICS |      |                     |             |                                 |          |             |
|                    |      |                     |             | TOTAL NUMBER OF SAMPLES         | 922      |             |
|                    |      |                     |             | NUMBER OF ZERO VALUE SAMPLES    | 1        |             |
|                    |      |                     |             | NUMBER OF NON-ZERO SAMPLES      | 921      |             |
|                    |      |                     |             | ARITHMETIC MEAN                 | 24.1368  |             |
|                    |      |                     |             | VARIANCE                        | 214.0639 |             |
|                    |      |                     |             | STANDARD DEVIATION              | 14.6309  |             |
|                    |      |                     |             | SKEW                            | 4.9512   |             |
|                    |      |                     |             | EXCESS KURTOSIS                 | 43.7496  |             |
|                    |      |                     |             | COEFFICIENT OF VARIANCE, %      | 60.6166  |             |
|                    |      |                     |             | STANDARD ERROR OF THE MEAN      | .4821    |             |
|                    |      |                     |             | LOWER 95% LIMIT ON THE MEAN     | 23.1907  |             |
|                    |      |                     |             | UPPER 95% LIMIT ON THE MEAN     | 25.0829  |             |
|                    |      |                     |             | LOWER 95% LIMIT ON THE RANGE    | -4.5748  |             |
|                    |      |                     |             | UPPER 95% LIMIT ON THE RANGE    | 52.8485  |             |
|                    |      |                     |             | GEOMETRIC MEAN                  | 21.4003  |             |
|                    |      |                     |             | LOG10 MEAN                      | 1.3304   |             |
|                    |      |                     |             | LOG10 VARIANCE                  | .0454    |             |
|                    |      |                     |             | LOG10 STANDARD DEVIATION        | .2130    |             |
|                    |      |                     |             | STANDARD ERROR ON THE MEAN      | .0070    |             |
|                    |      |                     |             | LOWER 95% LIMIT ON THE MEAN     | 20.7323  |             |
|                    |      |                     |             | UPPER 95% LIMIT ON THE MEAN     | 22.0898  |             |
|                    |      |                     |             | LOWER 95% LIMIT ON THE RANGE    | 8.1749   |             |
|                    |      |                     |             | UPPER 95% LIMIT ON THE RANGE    | 56.0218  |             |
|                    |      |                     |             | MINIMUM VALUE                   | 1.0000   |             |
|                    |      |                     |             | 25TH PERCENTILE OR 1ST QUARTILE | 16.0000  |             |
|                    |      |                     |             | 50TH PERCENTILE OR MEDIAN       | 21.0000  |             |
|                    |      |                     |             | 75TH PERCENTILE OR 3RD QUARTILE | 28.0000  |             |
|                    |      |                     |             | 80TH PERCENTILE                 | 30.0000  |             |
|                    |      |                     |             | 90TH PERCENTILE                 | 37.0000  |             |
|                    |      |                     |             | 95TH PERCENTILE                 | 46.0000  |             |
|                    |      |                     |             | 98TH PERCENTILE                 | 58.0000  |             |
|                    |      |                     |             | 99TH PERCENTILE                 | 75.0000  |             |
|                    |      |                     |             | MAXIMUM VALUE                   | 199.0000 |             |

| VARIABLE NAME |      | UNIT OF MEASUREMENT    | DATA SUBSET |    |                    |       |        |                                 |         |
|---------------|------|------------------------|-------------|----|--------------------|-------|--------|---------------------------------|---------|
| CO            | LKSD | PPM                    | TOTAL       |    |                    |       |        |                                 |         |
| HISTOGRAM     |      |                        |             |    | SUMMARY STATISTICS |       |        |                                 |         |
| **            | *    | *                      | *           | *  | N                  | %     | CUM %  |                                 |         |
| I             |      |                        |             | *  | 1                  | .11   | .11    | TOTAL NUMBER OF SAMPLES         | 922     |
| 10 PPB        | *    |                        |             | *  |                    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 1       |
| 20 PPB        | *    |                        |             | *  |                    |       |        | NUMBER OF NON-ZERO SAMPLES      | 921     |
| 50 PPB        | *    |                        |             | *  |                    |       |        | ARITHMETIC MEAN                 | 10.5863 |
| 100 PPB       | *    |                        |             | *  |                    |       |        | VARIANCE                        | 42.2580 |
| 200 PPB       | *    |                        |             | *  |                    |       |        | STANDARD DEVIATION              | 6.5006  |
| 500 PPB       | *    |                        |             | *  |                    |       |        | SKEW                            | 2.3485  |
|               | X    |                        |             | *  |                    |       |        | EXCESS KURTOSIS                 | 10.2993 |
| 1 PPM         | *    |                        |             | *  | 10                 | 1.08  | 1.19   | COEFFICIENT OF VARIANCE, %      | 61.4058 |
| 2 PPM         | *    |                        |             | *  | 12                 | 1.30  | 2.49   | STANDARD ERROR OF THE MEAN      | .2142   |
| 5 PPM         | *    | XXXXXXXX               |             | *  | 144                | 15.62 | 18.11  | LOWER 95% LIMIT ON THE MEAN     | 10.1660 |
| 10 PPM        | *    | XXXXXXXXXXXXXXXXXXXXXX |             | *  | 370                | 40.13 | 58.24  | UPPER 95% LIMIT ON THE MEAN     | 11.0067 |
| 20 PPM        | *    | XXXXXXXXXXXXXXXXXXXXXX |             | *  | 330                | 35.79 | 94.03  | LOWER 95% LIMIT ON THE RANGE    | ~2.1705 |
| 50 PPM        | *    | XXX                    |             | *  | 53                 | 5.75  | 99.78  | UPPER 95% LIMIT ON THE RANGE    | 23.3431 |
| 100 PPM       | *    | I                      |             | *  | 2                  | .22   | 100.00 | GEOMETRIC MEAN                  | 8.9848  |
| 200 PPM       | *    |                        |             | *  |                    |       |        | LOG10 MEAN                      | .9535   |
| 500 PPM       | *    |                        |             | *  |                    |       |        | LOG10 VARIANCE                  | .0661   |
|               | **   | *                      | *           | *  |                    |       |        | LOG10 STANDARD DEVIATION        | .2571   |
| 0             | 20   | 40                     | 60          | 80 | 100                |       |        | STANDARD ERROR ON THE MEAN      | .0085   |
|               |      |                        |             |    |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | 8.6473  |
|               |      |                        |             |    |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 9.3355  |
|               |      |                        |             |    |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | 2.8111  |
|               |      |                        |             |    |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 28.7167 |
|               |      |                        |             |    |                    |       |        | MINIMUM VALUE                   | 1.0000  |
|               |      |                        |             |    |                    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 6.0000  |
|               |      |                        |             |    |                    |       |        | 50TH PERCENTILE OR MEDIAN       | 10.0000 |
|               |      |                        |             |    |                    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 13.0000 |
|               |      |                        |             |    |                    |       |        | 80TH PERCENTILE                 | 14.0000 |
|               |      |                        |             |    |                    |       |        | 90TH PERCENTILE                 | 17.0000 |
|               |      |                        |             |    |                    |       |        | 95TH PERCENTILE                 | 23.0000 |
|               |      |                        |             |    |                    |       |        | 98TH PERCENTILE                 | 31.0000 |
|               |      |                        |             |    |                    |       |        | 99TH PERCENTILE                 | 37.0000 |
|               |      |                        |             |    |                    |       |        | MAXIMUM VALUE                   | 64.0000 |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 AG LKSD                      PPM                      TOTAL

| HISTOGRAM |    |  |    |    |     | SUMMARY STATISTICS |       |                                 |          |
|-----------|----|--|----|----|-----|--------------------|-------|---------------------------------|----------|
|           |    |  |    |    | N   | %                  | CUM % |                                 |          |
| **        | *  | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES         | 922      |
| I         |    |  |    |    | *   | 1                  | .11   | NUMBER OF ZERO VALUE SAMPLES    | 1        |
| 1 PPB     | *  |  |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES      | 921      |
| 2 PPB     | *  |  |    |    | *   |                    |       |                                 |          |
| 5 PPB     | *  |  |    |    | *   |                    |       | ARITHMETIC MEAN                 | .1258    |
| 10 PPB    | *  |  |    |    | *   |                    |       | VARIANCE                        | .0134    |
| 20 PPB    | *  |  |    |    | *   |                    |       | STANDARD DEVIATION              | .1157    |
| 50 PPB    | *  |  |    |    | *   |                    |       | SKEW                            | 8.6861   |
|           |    |  |    |    | *   |                    |       | EXCESS KURTOSIS                 | 101.2852 |
|           |    |  |    |    | *   |                    |       | COEFFICIENT OF VARIANCE, %      | 91.9015  |
| 100 PPB   | *  | XX |    |    | *   | 808                | 87.64 | STANDARD ERROR OF THE MEAN      | .0038    |
| 200 PPB   | *  | XXXXX  |    |    | *   | 85                 | 9.22  | LOWER 95% LIMIT ON THE MEAN     | .1184    |
| 500 PPB   | *  | X  |    |    | *   | 12                 | 1.30  | UPPER 95% LIMIT ON THE MEAN     | .1333    |
| 1 PPM     | *  | X  |    |    | *   | 13                 | 1.41  | LOWER 95% LIMIT ON THE RANGE    | -.1011   |
| 2 PPM     | *  | I  |    |    | *   | 3                  | .33   | UPPER 95% LIMIT ON THE RANGE    | .3528    |
| 5 PPM     | *  |  |    |    | *   |                    |       | GEOMETRIC MEAN                  | .1124    |
| 10 PPM    | *  |  |    |    | *   |                    |       | LOG10 MEAN                      | -.9492   |
| 20 PPM    | *  |  |    |    | *   |                    |       | LOG10 VARIANCE                  | .0245    |
| 50 PPM    | *  |  |    |    | *   |                    |       | LOG10 STANDARD DEVIATION        | .1566    |
|           |    |  |    |    | *   |                    |       | STANDARD ERROR ON THE MEAN      | .0052    |
|           |    |  |    |    | *   |                    |       | LOWER 95% LIMIT ON THE MEAN     | .1098    |
|           |    |  |    |    | *   |                    |       | UPPER 95% LIMIT ON THE MEAN     | .1151    |
|           |    |  |    |    | *   |                    |       | LOWER 95% LIMIT ON THE RANGE    | .0554    |
|           |    |  |    |    | *   |                    |       | UPPER 95% LIMIT ON THE RANGE    | .2281    |
| **        | *  | *  | *  | *  | *   |                    |       | MINIMUM VALUE                   | .1000    |
| 0         | 20 | 40   | 60 | 80 | 100 |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | .1000    |
|           |    |  |    |    |     |                    |       | 50TH PERCENTILE OR MEDIAN       | .1000    |
|           |    |  |    |    |     |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | .1000    |
|           |    |  |    |    |     |                    |       | 80TH PERCENTILE                 | .1000    |
|           |    |  |    |    |     |                    |       | 90TH PERCENTILE                 | .2000    |
|           |    |  |    |    |     |                    |       | 95TH PERCENTILE                 | .2000    |
|           |    |  |    |    |     |                    |       | 98TH PERCENTILE                 | .4000    |
|           |    |  |    |    |     |                    |       | 99TH PERCENTILE                 | .7000    |
|           |    |  |    |    |     |                    |       | MAXIMUM VALUE                   | 2.0000   |

| VARIABLE NAME      |                      | UNIT OF MEASUREMENT |    | DATA SUBSET                     |             |
|--------------------|----------------------|---------------------|----|---------------------------------|-------------|
| MN                 | LKSD                 | PPM                 |    | TOTAL                           |             |
| HISTOGRAM          |                      |                     |    |                                 |             |
| **                 | *                    | *                   | *  | *                               | *           |
|                    | I                    |                     |    | N                               | % CUM %     |
| 1 PPM              | *                    |                     |    | 1                               | .11 .11     |
| 2 PPM              | *                    |                     |    |                                 |             |
| 5 PPM              | *                    |                     |    |                                 |             |
| 10 PPM             | *                    |                     |    |                                 |             |
| 20 PPM             | I                    |                     |    | 2                               | .22 .33     |
| 50 PPM             | XX                   |                     |    | 39                              | 4.23 4.56   |
| 100 PPM            | XXXXXXX              |                     |    | 132                             | 14.32 18.87 |
| 200 PPM            | XXXXXXXXXXXXXX       |                     |    | 258                             | 27.98 46.85 |
| 500 PPM            | XXXXXXXXXXXXXXXXXXXX |                     |    | 348                             | 37.74 84.60 |
| 1000 PPM           | XXXXXX               |                     |    | 112                             | 12.15 96.75 |
| 2000 PPM           | X                    |                     |    | 21                              | 2.28 99.02  |
| 5000 PPM           | I                    |                     |    | 7                               | .76 99.78   |
| 1 PCT              | I                    |                     |    | 1                               | .11 99.89   |
| 2 PCT              | *                    |                     |    |                                 |             |
| 5 PCT              | I                    |                     |    | 1                               | .11 100.00  |
| 10 PCT             | *                    |                     |    |                                 |             |
| 20 PCT             | *                    |                     |    |                                 |             |
| 50 PCT             | *                    |                     |    |                                 |             |
| **                 | *                    | *                   | *  | *                               | *           |
| 0                  | 20                   | 40                  | 60 | 80                              | 100         |
| PERCENT            |                      |                     |    |                                 |             |
| SUMMARY STATISTICS |                      |                     |    |                                 |             |
|                    |                      |                     |    | TOTAL NUMBER OF SAMPLES         | 922         |
|                    |                      |                     |    | NUMBER OF ZERO VALUE SAMPLES    | 1           |
|                    |                      |                     |    | NUMBER OF NON-ZERO SAMPLES      | 921         |
|                    |                      |                     |    | ARITHMETIC MEAN                 | 361.5581    |
|                    |                      |                     |    | VARIANCE                        | *****       |
|                    |                      |                     |    | STANDARD DEVIATION              | 1306.2248   |
|                    |                      |                     |    | SKEW                            | 26.2207     |
|                    |                      |                     |    | EXCESS KURTOSIS                 | 747.9015    |
|                    |                      |                     |    | COEFFICIENT OF VARIANCE, %      | 361.2766    |
|                    |                      |                     |    | STANDARD ERROR OF THE MEAN      | 43.0416     |
|                    |                      |                     |    | LOWER 95% LIMIT ON THE MEAN     | 277.0935    |
|                    |                      |                     |    | UPPER 95% LIMIT ON THE MEAN     | 446.0227    |
|                    |                      |                     |    | LOWER 95% LIMIT ON THE RANGE    | -2201.7709  |
|                    |                      |                     |    | UPPER 95% LIMIT ON THE RANGE    | 2924.8871   |
|                    |                      |                     |    | GEOMETRIC MEAN                  | 219.3096    |
|                    |                      |                     |    | LOG10 MEAN                      | 2.3411      |
|                    |                      |                     |    | LOG10 VARIANCE                  | .1408       |
|                    |                      |                     |    | LOG10 STANDARD DEVIATION        | .3752       |
|                    |                      |                     |    | STANDARD ERROR ON THE MEAN      | .0124       |
|                    |                      |                     |    | LOWER 95% LIMIT ON THE MEAN     | 207.3940    |
|                    |                      |                     |    | UPPER 95% LIMIT ON THE MEAN     | 231.9098    |
|                    |                      |                     |    | LOWER 95% LIMIT ON THE RANGE    | 40.2505     |
|                    |                      |                     |    | UPPER 95% LIMIT ON THE RANGE    | 1194.9357   |
|                    |                      |                     |    | MINIMUM VALUE                   | 20.0000     |
|                    |                      |                     |    | 25TH PERCENTILE OR 1ST QUARTILE | 120.0000    |
|                    |                      |                     |    | 50TH PERCENTILE OR MEDIAN       | 220.0000    |
|                    |                      |                     |    | 75TH PERCENTILE OR 3RD QUARTILE | 390.0000    |
|                    |                      |                     |    | 80TH PERCENTILE                 | 440.0000    |
|                    |                      |                     |    | 90TH PERCENTILE                 | 625.0000    |
|                    |                      |                     |    | 95TH PERCENTILE                 | 850.0000    |
|                    |                      |                     |    | 98TH PERCENTILE                 | 1450.0000   |
|                    |                      |                     |    | 99TH PERCENTILE                 | 2150.0000   |
|                    |                      |                     |    | MAXIMUM VALUE                   | 38000.0000  |

| VARIABLE NAME<br>AS LKSD         | UNIT OF MEASUREMENT<br>PPM | DATA SUBSET<br>TOTAL | HISTOGRAM |       |        | SUMMARY STATISTICS              |          |
|----------------------------------|----------------------------|----------------------|-----------|-------|--------|---------------------------------|----------|
|                                  |                            |                      | N         | %     | CUM %  |                                 |          |
| **                               | *                          | *                    | *         | *     | *      |                                 |          |
| I                                | *                          | *                    | *         | *     | *      |                                 |          |
| 10 PPB *                         |                            |                      | 4         | .43   | .43    | TOTAL NUMBER OF SAMPLES         | 922      |
|                                  |                            |                      |           |       |        | NUMBER OF ZERO VALUE SAMPLES    | 4        |
|                                  |                            |                      |           |       |        | NUMBER OF NON-ZERO SAMPLES      | 918      |
| 20 PPB *                         |                            |                      |           |       |        | ARITHMETIC MEAN                 | 1.1757   |
| 50 PPB *                         |                            |                      |           |       |        | VARIANCE                        | 2.8170   |
| 100 PPB *                        |                            |                      |           |       |        | STANDARD DEVIATION              | 1.6784   |
| 200 PPB *                        |                            |                      |           |       |        | SKEW                            | 5.3416   |
| 500 PPB *                        |                            |                      |           |       |        | EXCESS KURTOSIS                 | 41.8159  |
| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |                            |                      | 570       | 61.82 | 62.26  | COEFFICIENT OF VARIANCE, %      | 142.7547 |
| XXXXXXX                          |                            |                      | 158       | 17.14 | 79.39  | STANDARD ERROR OF THE MEAN      | .0554    |
| 1 PPM *                          |                            |                      | 89        | 9.65  | 89.05  | LOWER 95% LIMIT ON THE MEAN     | 1.0670   |
| XXXXX                            |                            |                      | 75        | 8.13  | 97.18  | UPPER 95% LIMIT ON THE MEAN     | 1.2844   |
| 2 PPM *                          |                            |                      | 75        | 8.13  | 97.18  | LOWER 95% LIMIT ON THE RANGE    | -2.1180  |
| XXXX                             |                            |                      | 20        | 2.17  | 99.35  | UPPER 95% LIMIT ON THE RANGE    | 4.4694   |
| 5 PPM *                          |                            |                      | 20        | 2.17  | 99.35  |                                 |          |
| X                                |                            |                      | 5         | .54   | 99.89  | GEOMETRIC MEAN                  | .8004    |
| 10 PPM *                         |                            |                      | 5         | .54   | 99.89  | LOG10 MEAN                      | -.0967   |
| 20 PPM *                         |                            |                      | 1         | .11   | 100.00 | LOG10 VARIANCE                  | .1000    |
| I                                |                            |                      | 1         | .11   | 100.00 | LOG10 STANDARD DEVIATION        | .3163    |
| 50 PPM *                         |                            |                      |           |       |        |                                 |          |
| 100 PPM *                        |                            |                      |           |       |        | STANDARD ERROR ON THE MEAN      | .0104    |
| 200 PPM *                        |                            |                      |           |       |        | LOWER 95% LIMIT ON THE MEAN     | .7636    |
| 500 PPM *                        |                            |                      |           |       |        | UPPER 95% LIMIT ON THE MEAN     | .8391    |
|                                  |                            |                      |           |       |        | LOWER 95% LIMIT ON THE RANGE    | .1917    |
|                                  |                            |                      |           |       |        | UPPER 95% LIMIT ON THE RANGE    | 3.3422   |
| **                               | *                          | *                    | *         | *     | *      |                                 |          |
| O                                | 20                         | 40                   | 60        | 80    | 100    |                                 |          |
|                                  |                            |                      |           |       |        | MINIMUM VALUE                   | .3000    |
|                                  |                            |                      |           |       |        | 25TH PERCENTILE OR 1ST QUARTILE | .5000    |
|                                  |                            |                      |           |       |        | 50TH PERCENTILE OR MEDIAN       | .5000    |
|                                  |                            |                      |           |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 1.0000   |
|                                  |                            |                      |           |       |        | 80TH PERCENTILE                 | 1.5000   |
|                                  |                            |                      |           |       |        | 90TH PERCENTILE                 | 2.5000   |
|                                  |                            |                      |           |       |        | 95TH PERCENTILE                 | 4.0000   |
|                                  |                            |                      |           |       |        | 98TH PERCENTILE                 | 6.5000   |
|                                  |                            |                      |           |       |        | 99TH PERCENTILE                 | 8.5000   |
|                                  |                            |                      |           |       |        | MAXIMUM VALUE                   | 22.0000  |

VARIABLE NAME UNIT OF MEASUREMENT DATA SUBSET  
 MO LKSD PPM TOTAL

| HISTOGRAM |                            |    |    |    |     | SUMMARY STATISTICS |       |                              |                                 |         |
|-----------|----------------------------|----|----|----|-----|--------------------|-------|------------------------------|---------------------------------|---------|
|           |                            |    |    |    | N   | %                  | CUM % |                              |                                 |         |
| **        | *                          | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES      | 922                             |         |
| I         |                            |    |    |    | *   | 1                  | .11   | NUMBER OF ZERO VALUE SAMPLES | 1                               |         |
| 10 PPB *  |                            |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES   | 921                             |         |
| 20 PPB *  |                            |    |    |    | *   |                    |       |                              |                                 |         |
| 50 PPB *  |                            |    |    |    | *   |                    |       | ARITHMETIC MEAN              | 2.0543                          |         |
| 100 PPB * |                            |    |    |    | *   |                    |       | VARIANCE                     | 2.4297                          |         |
| 200 PPB * |                            |    |    |    | *   |                    |       | STANDARD DEVIATION           | 1.5587                          |         |
| 500 PPB * |                            |    |    |    | *   |                    |       | SKEW                         | 2.8871                          |         |
|           |                            |    |    |    | *   |                    |       | EXCESS KURTOSIS              | 11.3053                         |         |
|           |                            |    |    |    | *   |                    |       | COEFFICIENT OF VARIANCE, %   | 75.8772                         |         |
| 1 PPM *   | XXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 408                | 44.25 | 44.36                        | STANDARD ERROR OF THE MEAN      | .0514   |
| 2 PPM *   | XXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 313                | 33.95 | 78.31                        | LOWER 95% LIMIT ON THE MEAN     | 1.9535  |
| 5 PPM *   | XXXXXXXXXX                 |    |    |    | *   | 160                | 17.35 | 95.66                        | UPPER 95% LIMIT ON THE MEAN     | 2.1551  |
| 10 PPM *  | XX                         |    |    |    | *   | 35                 | 3.80  | 99.46                        | LOWER 95% LIMIT ON THE RANGE    | -1.0046 |
| 20 PPM *  | I                          |    |    |    | *   | 5                  | .54   | 100.00                       | UPPER 95% LIMIT ON THE RANGE    | 5.1131  |
| 50 PPM *  |                            |    |    |    | *   |                    |       |                              | GEOMETRIC MEAN                  | 1.7072  |
| 100 PPM * |                            |    |    |    | *   |                    |       |                              | LOG10 MEAN                      | .2323   |
| 200 PPM * |                            |    |    |    | *   |                    |       |                              | LOG10 VARIANCE                  | .0603   |
| 500 PPM * |                            |    |    |    | *   |                    |       |                              | LOG10 STANDARD DEVIATION        | .2455   |
| **        | *                          | *  | *  | *  | *   |                    |       |                              | STANDARD ERROR ON THE MEAN      | .0081   |
| 0         | 20                         | 40 | 60 | 80 | 100 |                    |       |                              | LOWER 95% LIMIT ON THE MEAN     | 1.6459  |
|           |                            |    |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE MEAN     | 1.7708  |
|           |                            |    |    |    |     |                    |       |                              | LOWER 95% LIMIT ON THE RANGE    | .5630   |
|           |                            |    |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 5.1769  |
|           |                            |    |    |    |     |                    |       |                              | MINIMUM VALUE                   | 1.0000  |
|           |                            |    |    |    |     |                    |       |                              | 25TH PERCENTILE OR 1ST QUARTILE | 1.0000  |
|           |                            |    |    |    |     |                    |       |                              | 50TH PERCENTILE OR MEDIAN       | 2.0000  |
|           |                            |    |    |    |     |                    |       |                              | 75TH PERCENTILE OR 3RD QUARTILE | 2.0000  |
|           |                            |    |    |    |     |                    |       |                              | 80TH PERCENTILE                 | 3.0000  |
|           |                            |    |    |    |     |                    |       |                              | 90TH PERCENTILE                 | 4.0000  |
|           |                            |    |    |    |     |                    |       |                              | 95TH PERCENTILE                 | 5.0000  |
|           |                            |    |    |    |     |                    |       |                              | 98TH PERCENTILE                 | 7.0000  |
|           |                            |    |    |    |     |                    |       |                              | 99TH PERCENTILE                 | 9.0000  |
|           |                            |    |    |    |     |                    |       |                              | MAXIMUM VALUE                   | 12.0000 |



| VARIABLE NAME                   |                    | UNIT OF MEASUREMENT |    | DATA SUBSET |       |         |
|---------------------------------|--------------------|---------------------|----|-------------|-------|---------|
| FE                              | LKSD               | PCT                 |    | TOTAL       |       |         |
| HISTOGRAM                       |                    |                     |    |             |       |         |
| **                              | *                  | *                   | *  | *           | N     |         |
| I                               |                    |                     |    |             | %     |         |
|                                 |                    |                     |    |             | CUM % |         |
| 10 PPM                          | *                  |                     |    |             | 1     |         |
| 20 PPM                          | *                  |                     |    |             | .11   |         |
| 50 PPM                          | *                  |                     |    |             | .11   |         |
| 100 PPM                         | *                  |                     |    |             |       |         |
| 200 PPM                         | *                  |                     |    |             |       |         |
| 500 PPM                         | *                  |                     |    |             |       |         |
| 1000 PPM                        | I                  |                     |    |             | 1     |         |
| 2000 PPM                        | I                  |                     |    |             | 9     |         |
| 5000 PPM                        | XXXXXX             |                     |    |             | 103   |         |
| 1 PCT                           | XXXXXXXXXXXXXX     |                     |    |             | 216   |         |
| 2 PCT                           | XXXXXXXXXXXXXXXXXX |                     |    |             | 322   |         |
| 5 PCT                           | XXXXXXXXXXXXXX     |                     |    |             | 234   |         |
| 10 PCT                          | XX                 |                     |    |             | 29    |         |
| 20 PCT                          | I                  |                     |    |             | 7     |         |
| 50 PCT                          | *                  |                     |    |             |       |         |
| **                              | *                  | *                   | *  | *           | *     |         |
| 0                               | 20                 | 40                  | 60 | 80          | 100   |         |
| PERCENT                         |                    |                     |    |             |       |         |
| SUMMARY STATISTICS              |                    |                     |    |             |       |         |
| TOTAL NUMBER OF SAMPLES         |                    |                     |    |             |       | 922     |
| NUMBER OF ZERO VALUE SAMPLES    |                    |                     |    |             |       | 1       |
| NUMBER OF NON-ZERO SAMPLES      |                    |                     |    |             |       | 921     |
| ARITHMETIC MEAN                 |                    |                     |    |             |       | 1.8123  |
| VARIANCE                        |                    |                     |    |             |       | 2.7919  |
| STANDARD DEVIATION              |                    |                     |    |             |       | 1.6709  |
| SKEW                            |                    |                     |    |             |       | 3.4084  |
| EXCESS KURTOSIS                 |                    |                     |    |             |       | 18.1058 |
| COEFFICIENT OF VARIANCE, %      |                    |                     |    |             |       | 92.1986 |
| STANDARD ERROR OF THE MEAN      |                    |                     |    |             |       | .0551   |
| LOWER 95% LIMIT ON THE MEAN     |                    |                     |    |             |       | 1.7042  |
| UPPER 95% LIMIT ON THE MEAN     |                    |                     |    |             |       | 1.9203  |
| LOWER 95% LIMIT ON THE RANGE    |                    |                     |    |             |       | -1.4667 |
| UPPER 95% LIMIT ON THE RANGE    |                    |                     |    |             |       | 5.0912  |
| GEOMETRIC MEAN                  |                    |                     |    |             |       | 1.3450  |
| LOG10 MEAN                      |                    |                     |    |             |       | .1287   |
| LOG10 VARIANCE                  |                    |                     |    |             |       | .1121   |
| LOG10 STANDARD DEVIATION        |                    |                     |    |             |       | .3349   |
| STANDARD ERROR ON THE MEAN      |                    |                     |    |             |       | .0110   |
| LOWER 95% LIMIT ON THE MEAN     |                    |                     |    |             |       | 1.2795  |
| UPPER 95% LIMIT ON THE MEAN     |                    |                     |    |             |       | 1.4137  |
| LOWER 95% LIMIT ON THE RANGE    |                    |                     |    |             |       | .2962   |
| UPPER 95% LIMIT ON THE RANGE    |                    |                     |    |             |       | 6.1068  |
| MINIMUM VALUE                   |                    |                     |    |             |       | .1000   |
| 25TH PERCENTILE OR 1ST QUARTILE |                    |                     |    |             |       | .8000   |
| 50TH PERCENTILE OR MEDIAN       |                    |                     |    |             |       | 1.4000  |
| 75TH PERCENTILE OR 3RD QUARTILE |                    |                     |    |             |       | 2.2500  |
| 80TH PERCENTILE                 |                    |                     |    |             |       | 2.5500  |
| 90TH PERCENTILE                 |                    |                     |    |             |       | 3.4000  |
| 95TH PERCENTILE                 |                    |                     |    |             |       | 4.5000  |
| 98TH PERCENTILE                 |                    |                     |    |             |       | 7.2500  |
| 99TH PERCENTILE                 |                    |                     |    |             |       | 9.3000  |
| MAXIMUM VALUE                   |                    |                     |    |             |       | 17.0000 |

| VARIABLE NAME      |                                      | UNIT OF MEASUREMENT | DATA SUBSET                     |           |
|--------------------|--------------------------------------|---------------------|---------------------------------|-----------|
| HG                 | LKSD                                 | PPB                 | TOTAL                           |           |
| HISTOGRAM          |                                      |                     |                                 |           |
| **                 | *                                    | *                   | *                               | *         |
| 1 PPB              | X                                    | *                   | N                               | %         |
| 2 PPB              | *                                    | *                   | 10                              | 1.08      |
| 5 PPB              | *                                    | *                   |                                 | CUM %     |
| 10 PPB             | *                                    | *                   |                                 |           |
| 20 PPB             | I                                    | *                   | 1                               | .11       |
| 50 PPB             | XXX                                  | *                   | 57                              | 6.18      |
| 100 PPB            | XXXXXXXXXXXXXXXX                     | *                   | 257                             | 27.87     |
| 200 PPB            | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | *                   | 524                             | 56.83     |
| 500 PPB            | XXXX                                 | *                   | 70                              | 7.59      |
| 1 PPM              | I                                    | *                   | .3                              | .33       |
| 2 PPM              | *                                    | *                   |                                 | 100.00    |
| 5 PPM              | *                                    | *                   |                                 |           |
| **                 | *                                    | *                   | *                               | *         |
| 0                  | 20                                   | 40                  | 60                              | 80        |
| PERCENT            |                                      |                     |                                 |           |
| SUMMARY STATISTICS |                                      |                     |                                 |           |
|                    |                                      |                     | TOTAL NUMBER OF SAMPLES         | 922       |
|                    |                                      |                     | NUMBER OF ZERO VALUE SAMPLES    | 10        |
|                    |                                      |                     | NUMBER OF NON-ZERO SAMPLES      | 912       |
|                    |                                      |                     | ARITHMETIC MEAN                 | 131.9408  |
|                    |                                      |                     | VARIANCE                        | 4256.4926 |
|                    |                                      |                     | STANDARD DEVIATION              | 65.2418   |
|                    |                                      |                     | SKEW                            | 3.0149    |
|                    |                                      |                     | EXCESS KURTOSIS                 | 20.5624   |
|                    |                                      |                     | COEFFICIENT OF VARIANCE, %      | 49.4478   |
|                    |                                      |                     | STANDARD ERROR OF THE MEAN      | 2.1604    |
|                    |                                      |                     | LOWER 95% LIMIT ON THE MEAN     | 127.7012  |
|                    |                                      |                     | UPPER 95% LIMIT ON THE MEAN     | 136.1804  |
|                    |                                      |                     | LOWER 95% LIMIT ON THE RANGE    | 3.9077    |
|                    |                                      |                     | UPPER 95% LIMIT ON THE RANGE    | 259.9739  |
|                    |                                      |                     | GEOMETRIC MEAN                  | 119.0549  |
|                    |                                      |                     | LOG10 MEAN                      | 2.0757    |
|                    |                                      |                     | LOG10 VARIANCE                  | .0400     |
|                    |                                      |                     | LOG10 STANDARD DEVIATION        | .2001     |
|                    |                                      |                     | STANDARD ERROR ON THE MEAN      | .0066     |
|                    |                                      |                     | LOWER 95% LIMIT ON THE MEAN     | 115.5429  |
|                    |                                      |                     | UPPER 95% LIMIT ON THE MEAN     | 122.6737  |
|                    |                                      |                     | LOWER 95% LIMIT ON THE RANGE    | 48.1982   |
|                    |                                      |                     | UPPER 95% LIMIT ON THE RANGE    | 294.0788  |
|                    |                                      |                     | MINIMUM VALUE                   | 20.0000   |
|                    |                                      |                     | 25TH PERCENTILE OR 1ST QUARTILE | 90.0000   |
|                    |                                      |                     | 50TH PERCENTILE OR MEDIAN       | 120.0000  |
|                    |                                      |                     | 75TH PERCENTILE OR 3RD QUARTILE | 160.0000  |
|                    |                                      |                     | 80TH PERCENTILE                 | 170.0000  |
|                    |                                      |                     | 90TH PERCENTILE                 | 190.0000  |
|                    |                                      |                     | 95TH PERCENTILE                 | 230.0000  |
|                    |                                      |                     | 98TH PERCENTILE                 | 300.0000  |
|                    |                                      |                     | 99TH PERCENTILE                 | 340.0000  |
|                    |                                      |                     | MAXIMUM VALUE                   | 710.0000  |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 LOI LKSD                      PCT                      TOTAL

HISTOGRAM

SUMMARY STATISTICS

|                                 | N   | %     | CUM % |   |
|---------------------------------|-----|-------|-------|---|
| **                              |     |       |       |   |
| I                               |     |       |       |   |
| 1000 PPM *                      | 9   | .98   | .98   | TOTAL NUMBER OF SAMPLES 922             |
|                                 |     |       |       | NUMBER OF ZERO VALUE SAMPLES 9          |
|                                 |     |       |       | NUMBER OF NON-ZERO SAMPLES 913          |
| 2000 PPM *                      |     |       |       |   |
| 5000 PPM *                      |     |       |       | ARITHMETIC MEAN 41.4027                 |
| 1 PCT *                         |     |       |       | VARIANCE 235.3636                       |
| I                               |     |       |       | STANDARD DEVIATION 15.3416              |
| 2 PCT *                         | 3   | .33   | 1.30  | SKEW -.3250                             |
|                                 |     |       |       | EXCESS KURTOSIS .2434                   |
| X                               |     |       |       |   |
| 5 PCT *                         | 11  | 1.19  | 2.49  | COEFFICIENT OF VARIANCE, % 37.0545      |
| XX                              |     |       |       |   |
| 10 PCT *                        | 28  | 3.04  | 5.53  | STANDARD ERROR OF THE MEAN .5077        |
| XXX                             |     |       |       | LOWER 95% LIMIT ON THE MEAN 40.4063     |
| 20 PCT *                        | 58  | 6.29  | 11.82 | UPPER 95% LIMIT ON THE MEAN 42.3991     |
| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |     |       |       |   |
| 50 PCT *                        | 554 | 60.09 | 71.91 | LOWER 95% LIMIT ON THE RANGE 11.2959    |
| XXXXXXXXXXXXXXXXXXXX            |     |       |       | UPPER 95% LIMIT ON THE RANGE 71.5096    |
| **                              |     |       |       |   |
| 0                               |     |       |       | GEOMETRIC MEAN 36.9727                  |
| 20                              |     |       |       | LOG10 MEAN 1.5679                       |
| 40                              |     |       |       | LOG10 VARIANCE .0617                    |
| 60                              |     |       |       | LOG10 STANDARD DEVIATION .2484          |
| 80                              |     |       |       |   |
| 100                             |     |       |       | STANDARD ERROR ON THE MEAN .0082        |
|                                 |     |       |       | LOWER 95% LIMIT ON THE MEAN 35.6245     |
|                                 |     |       |       | UPPER 95% LIMIT ON THE MEAN 38.3720     |
|                                 |     |       |       |   |
|                                 |     |       |       | LOWER 95% LIMIT ON THE RANGE 12.0340    |
|                                 |     |       |       | UPPER 95% LIMIT ON THE RANGE 113.5934   |
|                                 |     |       |       |   |
|                                 |     |       |       | MINIMUM VALUE 1.6000                    |
|                                 |     |       |       | 25TH PERCENTILE OR 1ST QUARTILE 33.8000 |
|                                 |     |       |       | 50TH PERCENTILE OR MEDIAN 42.0000       |
|                                 |     |       |       | 75TH PERCENTILE OR 3RD QUARTILE 51.2000 |
|                                 |     |       |       | 80TH PERCENTILE 53.4000                 |
|                                 |     |       |       | 90TH PERCENTILE 59.8000                 |
|                                 |     |       |       | 95TH PERCENTILE 64.6000                 |
|                                 |     |       |       | 98TH PERCENTILE 73.8000                 |
|                                 |     |       |       | 99TH PERCENTILE 76.6000                 |
|                                 |     |       |       | MAXIMUM VALUE 87.2000                   |

PERCENT

| VARIABLE NAME      |                    | UNIT OF MEASUREMENT |       | DATA SUBSET                     |             |
|--------------------|--------------------|---------------------|-------|---------------------------------|-------------|
| U                  | LKSD               | PPM                 | TOTAL |                                 |             |
| HISTOGRAM          |                    |                     |       |                                 |             |
| **                 | *                  | *                   | *     | *                               | *           |
| 1 PPB              | *                  |                     |       | N                               | % CUM %     |
| 2 PPB              | *                  |                     |       |                                 |             |
| 5 PPB              | *                  |                     |       |                                 |             |
| 10 PPB             | *                  |                     |       |                                 |             |
| 20 PPB             | *                  |                     |       |                                 |             |
| 50 PPB             | *                  |                     |       |                                 |             |
| 100 PPB            | I                  |                     |       | 1                               | .11 .11     |
| 200 PPB            | I                  |                     |       | 2                               | .22 .33     |
| 500 PPB            | XX                 |                     |       | 39                              | 4.23 4.56   |
| 1 PPM              | XXXXXXXXXX         |                     |       | 167                             | 18.11 22.67 |
| 2 PPM              | XXXXXXXXXXXXXXXXXX |                     |       | 269                             | 29.18 51.84 |
| 5 PPM              | XXXXXXXXXXXXXXXXXX |                     |       | 262                             | 28.42 80.26 |
| 10 PPM             | XXXXXX             |                     |       | 104                             | 11.28 91.54 |
| 20 PPM             | XXX                |                     |       | 48                              | 5.21 96.75  |
| 50 PPM             | X                  |                     |       | 27                              | 2.93 99.67  |
| 100 PPM            | I                  |                     |       | 2                               | .22 99.89   |
| 200 PPM            | I                  |                     |       | 1                               | .11 100.00  |
| 500 PPM            |                    |                     |       |                                 |             |
| 1000 PPM           |                    |                     |       |                                 |             |
| 2000 PPM           |                    |                     |       |                                 |             |
| 5000 PPM           |                    |                     |       |                                 |             |
| **                 | *                  | *                   | *     | *                               | *           |
| 0                  | 20                 | 40                  | 60    | 80                              | 100         |
| PERCENT            |                    |                     |       |                                 |             |
| SUMMARY STATISTICS |                    |                     |       |                                 |             |
|                    |                    |                     |       | TOTAL NUMBER OF SAMPLES         | 922         |
|                    |                    |                     |       | NUMBER OF ZERO VALUE SAMPLES    | 0           |
|                    |                    |                     |       | NUMBER OF NON-ZERO SAMPLES      | 922         |
|                    |                    |                     |       | ARITHMETIC MEAN                 | 4.0296      |
|                    |                    |                     |       | VARIANCE                        | 44.1544     |
|                    |                    |                     |       | STANDARD DEVIATION              | 6.6449      |
|                    |                    |                     |       | SKEW                            | 6.4007      |
|                    |                    |                     |       | EXCESS KURTOSIS                 | 68.7129     |
|                    |                    |                     |       | COEFFICIENT OF VARIANCE, %      | 164.9012    |
|                    |                    |                     |       | STANDARD ERROR OF THE MEAN      | .2188       |
|                    |                    |                     |       | LOWER 95% LIMIT ON THE MEAN     | 3.6002      |
|                    |                    |                     |       | UPPER 95% LIMIT ON THE MEAN     | 4.4591      |
|                    |                    |                     |       | LOWER 95% LIMIT ON THE RANGE    | -9.0102     |
|                    |                    |                     |       | UPPER 95% LIMIT ON THE RANGE    | 17.0694     |
|                    |                    |                     |       | GEOMETRIC MEAN                  | 2.2529      |
|                    |                    |                     |       | LOG10 MEAN                      | .3527       |
|                    |                    |                     |       | LOG10 VARIANCE                  | .1857       |
|                    |                    |                     |       | LOG10 STANDARD DEVIATION        | .4310       |
|                    |                    |                     |       | STANDARD ERROR ON THE MEAN      | .0142       |
|                    |                    |                     |       | LOWER 95% LIMIT ON THE MEAN     | 2.1129      |
|                    |                    |                     |       | UPPER 95% LIMIT ON THE MEAN     | 2.4021      |
|                    |                    |                     |       | LOWER 95% LIMIT ON THE RANGE    | .3214       |
|                    |                    |                     |       | UPPER 95% LIMIT ON THE RANGE    | 15.7939     |
|                    |                    |                     |       | MINIMUM VALUE                   | .1000       |
|                    |                    |                     |       | 25TH PERCENTILE OR 1ST QUARTILE | 1.1000      |
|                    |                    |                     |       | 50TH PERCENTILE OR MEDIAN       | 1.9000      |
|                    |                    |                     |       | 75TH PERCENTILE OR 3RD QUARTILE | 4.2000      |
|                    |                    |                     |       | 80TH PERCENTILE                 | 5.0000      |
|                    |                    |                     |       | 90TH PERCENTILE                 | 8.6000      |
|                    |                    |                     |       | 95TH PERCENTILE                 | 14.5000     |
|                    |                    |                     |       | 98TH PERCENTILE                 | 25.6000     |
|                    |                    |                     |       | 99TH PERCENTILE                 | 33.4000     |
|                    |                    |                     |       | MAXIMUM VALUE                   | 105.0000    |

| VARIABLE NAME      |      | UNIT OF MEASUREMENT    | DATA SUBSET |    |                                 |             |
|--------------------|------|------------------------|-------------|----|---------------------------------|-------------|
| U                  | LKWR | PPB                    | TOTAL       |    |                                 |             |
| HISTOGRAM          |      |                        |             |    |                                 |             |
| **                 | *    | *                      | *           | *  | N                               | % CUM %     |
| 1 PPT              | *    | I                      | *           | *  | 3                               | .33 .33     |
| 2 PPT              | *    |                        | *           | *  |                                 |             |
| 5 PPT              | *    | XXXXXXXXXXXXXXXXXXXXXX | *           | *  | 387                             | 41.97 42.30 |
| 10 PPT             | *    | XXXXXXX                | *           | *  | 129                             | 13.99 56.29 |
| 20 PPT             | *    | XXX                    | *           | *  | 64                              | 6.94 63.23  |
| 50 PPT             | *    | XXXX                   | *           | *  | 78                              | 8.46 71.69  |
| 100 PPT            | *    | XXX                    | *           | *  | 56                              | 6.07 77.77  |
| 200 PPT            | *    | XXXX                   | *           | *  | 76                              | 8.24 86.01  |
| 500 PPT            | *    | XXXXX                  | *           | *  | 84                              | 9.11 95.12  |
| 1 PPB              | *    | XX                     | *           | *  | 35                              | 3.80 98.92  |
| 2 PPB              | *    | I                      | *           | *  | 8                               | .87 99.78   |
| 5 PPB              | *    | I                      | *           | *  | 2                               | .22 100.00  |
| 10 PPB             | *    |                        | *           | *  |                                 |             |
| 20 PPB             | *    |                        | *           | *  |                                 |             |
| 50 PPB             | *    |                        | *           | *  |                                 |             |
| **                 | *    | *                      | *           | *  | *                               |             |
| 0                  | 20   | 40                     | 60          | 80 | 100                             |             |
| PERCENT            |      |                        |             |    |                                 |             |
| SUMMARY STATISTICS |      |                        |             |    |                                 |             |
|                    |      |                        |             |    | TOTAL NUMBER OF SAMPLES         | 922         |
|                    |      |                        |             |    | NUMBER OF ZERO VALUE SAMPLES    | 3           |
|                    |      |                        |             |    | NUMBER OF NON-ZERO SAMPLES      | 919         |
|                    |      |                        |             |    | ARITHMETIC MEAN                 | .1007       |
|                    |      |                        |             |    | VARIANCE                        | .0650       |
|                    |      |                        |             |    | STANDARD DEVIATION              | .2549       |
|                    |      |                        |             |    | SKEW                            | 6.5460      |
|                    |      |                        |             |    | EXCESS KURTOSIS                 | 62.5522     |
|                    |      |                        |             |    | COEFFICIENT OF VARIANCE, %      | 253.2457    |
|                    |      |                        |             |    | STANDARD ERROR OF THE MEAN      | .0084       |
|                    |      |                        |             |    | LOWER 95% LIMIT ON THE MEAN     | .0842       |
|                    |      |                        |             |    | UPPER 95% LIMIT ON THE MEAN     | .1172       |
|                    |      |                        |             |    | LOWER 95% LIMIT ON THE RANGE    | -.3996      |
|                    |      |                        |             |    | UPPER 95% LIMIT ON THE RANGE    | .6010       |
|                    |      |                        |             |    | GEOMETRIC MEAN                  | .0210       |
|                    |      |                        |             |    | LOG10 MEAN                      | -1.6771     |
|                    |      |                        |             |    | LOG10 VARIANCE                  | .5167       |
|                    |      |                        |             |    | LOG10 STANDARD DEVIATION        | .7188       |
|                    |      |                        |             |    | STANDARD ERROR ON THE MEAN      | .0237       |
|                    |      |                        |             |    | LOWER 95% LIMIT ON THE MEAN     | .0189       |
|                    |      |                        |             |    | UPPER 95% LIMIT ON THE MEAN     | .0234       |
|                    |      |                        |             |    | LOWER 95% LIMIT ON THE RANGE    | .0008       |
|                    |      |                        |             |    | UPPER 95% LIMIT ON THE RANGE    | .5414       |
|                    |      |                        |             |    | MINIMUM VALUE                   | .0050       |
|                    |      |                        |             |    | 25TH PERCENTILE OR 1ST QUARTILE | .0050       |
|                    |      |                        |             |    | 50TH PERCENTILE OR MEDIAN       | .0100       |
|                    |      |                        |             |    | 75TH PERCENTILE OR 3RD QUARTILE | .0800       |
|                    |      |                        |             |    | 80TH PERCENTILE                 | .1300       |
|                    |      |                        |             |    | 90TH PERCENTILE                 | .3000       |
|                    |      |                        |             |    | 95TH PERCENTILE                 | .5000       |
|                    |      |                        |             |    | 98TH PERCENTILE                 | .7700       |
|                    |      |                        |             |    | 99TH PERCENTILE                 | 1.2000      |
|                    |      |                        |             |    | MAXIMUM VALUE                   | 3.6000      |

| VARIABLE NAME |      | UNIT OF MEASUREMENT | DATA SUBSET |     |       | SUMMARY STATISTICS |   |
|---------------|------|---------------------|-------------|-----|-------|--------------------|---|
| F             | LKWR | PPB                 | TOTAL       |     |       |                    |   |
| HISTOGRAM     |      |                     |             | N   | %     | CUM %              |   |
| **            | *    | *                   | *           | *   | *     | *                  |   |
| 100 PPT       | *    |                     | *           |     |       |                    | TOTAL NUMBER OF SAMPLES 922             |
| 200 PPT       | *    |                     | *           |     |       |                    | NUMBER OF ZERO VALUE SAMPLES 0          |
| 500 PPT       | *    |                     | *           |     |       |                    | NUMBER OF NON-ZERO SAMPLES 922          |
| 1 PPB         | *    |                     | *           |     |       |                    | ARITHMETIC MEAN 41.3861                 |
| 2 PPB         | *    |                     | *           |     |       |                    | VARIANCE 995.1624                       |
| 5 PPB         | *    |                     | *           |     |       |                    | STANDARD DEVIATION 31.5462              |
| I             |      |                     | *           | .2  | .22   | .22                | SKEW 15.4932                            |
| 10 PPB        | *    |                     | *           | 17  | 1.84  | 2.06               | EXCESS KURTOSIS 321.1129                |
| X             |      |                     | *           |     |       |                    | COEFFICIENT OF VARIANCE, % 76.2241      |
| 20 PPB        | *    |                     | *           | 747 | 81.02 | 83.08              | STANDARD ERROR OF THE MEAN 1.0389       |
| 50 PPB        | *    |                     | *           | 144 | 15.62 | 98.70              | LOWER 95% LIMIT ON THE MEAN 39.3474     |
| 100 PPB       | *    |                     | *           | 10  | 1.08  | 99.78              | UPPER 95% LIMIT ON THE MEAN 43.4249     |
| X             |      |                     | *           | 1   | .11   | 99.89              | LOWER 95% LIMIT ON THE RANGE -20.5198   |
| 200 PPB       | *    |                     | *           | 1   | .11   | 100.00             | UPPER 95% LIMIT ON THE RANGE 103.2921   |
| I             |      |                     | *           |     |       |                    | GEOMETRIC MEAN 38.0517                  |
| 500 PPB       | *    |                     | *           |     |       |                    | LOG10 MEAN 1.5804                       |
| I             |      |                     | *           |     |       |                    | LOG10 VARIANCE .0239                    |
| 1 PPM         | *    |                     | *           |     |       |                    | LOG10 STANDARD DEVIATION .1546          |
| 2 PPM         | *    |                     | *           |     |       |                    | STANDARD ERROR ON THE MEAN .0051        |
| 5 PPM         | *    |                     | *           |     |       |                    | LOWER 95% LIMIT ON THE MEAN 37.1864     |
| **            | *    | *                   | *           | *   | *     | *                  | UPPER 95% LIMIT ON THE MEAN 38.9371     |
| O             | 20   | 40                  | 60          | 80  | 100   |                    | LOWER 95% LIMIT ON THE RANGE 18.9249    |
| PERCENT       |      |                     |             |     |       |                    | UPPER 95% LIMIT ON THE RANGE 76.5095    |
|               |      |                     |             |     |       |                    | MINIMUM VALUE 10.0000                   |
|               |      |                     |             |     |       |                    | 25TH PERCENTILE OR 1ST QUARTILE 30.0000 |
|               |      |                     |             |     |       |                    | 50TH PERCENTILE OR MEDIAN 36.0000       |
|               |      |                     |             |     |       |                    | 75TH PERCENTILE OR 3RD QUARTILE 46.0000 |
|               |      |                     |             |     |       |                    | 80TH PERCENTILE 48.0000                 |
|               |      |                     |             |     |       |                    | 90TH PERCENTILE 58.0000                 |
|               |      |                     |             |     |       |                    | 95TH PERCENTILE 70.0000                 |
|               |      |                     |             |     |       |                    | 98TH PERCENTILE 86.0000                 |
|               |      |                     |             |     |       |                    | 99TH PERCENTILE 110.0000                |
|               |      |                     |             |     |       |                    | MAXIMUM VALUE 760.0000                  |

SUMMARY STATISTICS

| SUBSET | VARIABLE | UNITS | N   | ARITH<br>MEAN | STD<br>DEV | CV %     | SKEW  | EXCESS<br>KURT | 95% LIMITS<br>ON MEAN | GEOM<br>MEAN | LOG 10<br>MEAN | STD<br>DEV | 95% LIMITS<br>ON MEAN |       |          |          |
|--------|----------|-------|-----|---------------|------------|----------|-------|----------------|-----------------------|--------------|----------------|------------|-----------------------|-------|----------|----------|
| TOTAL  | ZN       | LKSD  | PPM | 921           | 106.       | 57.2     | 53.8  | 4.79           | 51.45                 | 103.         | 110.           | 96.0       | 1.9823                | .1934 | 93.3     | 98.8     |
| TOTAL  | CU       | LKSD  | PPM | 921           | 72.4       | 72.5     | 100.1 | 5.70           | 56.59                 | 67.7         | 77.1           | 55.5       | 1.7442                | .3032 | 53.0     | 58.1     |
| TOTAL  | PB       | LKSD  | PPM | 921           | 4.51       | 6.32     | 140.0 | 18.59          | 463.59                | 4.10         | 4.92           | 3.40       | .5317                 | .3120 | 3.25     | 3.56     |
| TOTAL  | NI       | LKSD  | PPM | 921           | 24.1       | 14.6     | 60.6  | 4.95           | 43.75                 | 23.2         | 25.1           | 21.4       | 1.3304                | .2130 | 20.7     | 22.1     |
| TOTAL  | CO       | LKSD  | PPM | 921           | 10.6       | 6.50     | 61.4  | 2.35           | 10.30                 | 10.2         | 11.0           | 8.98       | .9535                 | .2571 | 8.65     | 9.34     |
| TOTAL  | AG       | LKSD  | PPM | 921           | .126       | .116     | 91.9  | 8.69           | 101.29                | .118         | .133           | .112       | -.9492                | .1566 | .110     | .115     |
| TOTAL  | MN       | LKSD  | PPM | 921           | 362.       | .131E+04 | 361.3 | 26.22          | 747.90                | 277.         | 446.           | 219.       | 2.3411                | .3752 | 207.     | 232.     |
| TOTAL  | AS       | LKSD  | PPM | 918           | 1.18       | 1.68     | 142.8 | 5.34           | 41.82                 | 1.07         | 1.28           | .800       | -.0967                | .3163 | .764     | .839     |
| TOTAL  | MO       | LKSD  | PPM | 921           | 2.05       | 1.56     | 75.9  | 2.89           | 11.31                 | 1.95         | 2.16           | 1.71       | .2323                 | .2455 | 1.65     | 1.77     |
| TOTAL  | FE       | LKSD  | PCT | 921           | 1.81       | 1.67     | 92.2  | 3.41           | 18.11                 | 1.70         | 1.92           | 1.34       | .1287                 | .3349 | 1.28     | 1.41     |
| TOTAL  | HG       | LKSD  | PPB | 912           | 132.       | 65.2     | 49.4  | 3.01           | 20.56                 | 128.         | 136.           | 119.       | 2.0757                | .2001 | 116.     | 123.     |
| TOTAL  | LOI      | LKSD  | PCT | 913           | 41.4       | 15.3     | 37.1  | -.33           | .24                   | 40.4         | 42.4           | 37.0       | 1.5679                | .2484 | 35.6     | 38.4     |
| TOTAL  | U        | LKSD  | PPM | 922           | 4.03       | 6.64     | 164.9 | 6.40           | 68.71                 | 3.60         | 4.46           | 2.25       | .3527                 | .4310 | 2.11     | 2.40     |
| TOTAL  | U        | LKWR  | PPB | 919           | .101       | .255     | 253.2 | 6.55           | 62.55                 | .842E-01     | .117           | .210E-01   | -1.6771               | .7188 | .189E-01 | .234E-01 |
| TOTAL  | F        | LKWR  | PPB | 922           | 41.4       | 31.5     | 76.2  | 15.49          | 321.11                | 39.3         | 43.4           | 38.1       | 1.5804                | .1546 | 37.2     | 38.9     |

| SUBSET | VARIABLE | UNITS | N   | MIN<br>VALUE | ----- PERCENTILE ----- |         |         |         |         |         |         |          |          | MAX<br>VALUE |
|--------|----------|-------|-----|--------------|------------------------|---------|---------|---------|---------|---------|---------|----------|----------|--------------|
|        |          |       |     |              | 25TH                   | 50TH    | 75TH    | 80TH    | 90TH    | 95TH    | 98TH    | 99TH     |          |              |
| TOTAL  | ZN       | LKSD  | PPM | 921          | 10.000                 | 76.000  | 96.000  | 124.000 | 134.000 | 158.000 | 194.000 | 255.000  | 285.000  | 925.000      |
| TOTAL  | CU       | LKSD  | PPM | 921          | 2.000                  | 36.000  | 54.000  | 82.000  | 94.000  | 134.000 | 188.000 | 268.000  | 385.000  | 1080.000     |
| TOTAL  | PB       | LKSD  | PPM | 921          | 1.000                  | 2.000   | 3.000   | 6.000   | 6.000   | 8.000   | 11.000  | 15.000   | 17.000   | 166.000      |
| TOTAL  | NI       | LKSD  | PPM | 921          | 1.000                  | 16.000  | 21.000  | 28.000  | 30.000  | 37.000  | 46.000  | 58.000   | 75.000   | 199.000      |
| TOTAL  | CO       | LKSD  | PPM | 921          | 1.000                  | 6.000   | 10.000  | 13.000  | 14.000  | 17.000  | 23.000  | 31.000   | 37.000   | 64.000       |
| TOTAL  | AG       | LKSD  | PPM | 921          | .100                   | .100    | .100    | .100    | .100    | .200    | .200    | .400     | .700     | 2.000        |
| TOTAL  | MN       | LKSD  | PPM | 921          | 20.000                 | 120.000 | 220.000 | 390.000 | 440.000 | 625.000 | 850.000 | 1450.000 | 2150.000 | 38000.000    |
| TOTAL  | AS       | LKSD  | PPM | 918          | .300                   | .500    | .500    | 1.000   | 1.500   | 2.500   | 4.000   | 6.500    | 8.500    | 22.000       |
| TOTAL  | MO       | LKSD  | PPM | 921          | 1.000                  | 1.000   | 2.000   | 2.000   | 3.000   | 4.000   | 5.000   | 7.000    | 9.000    | 12.000       |
| TOTAL  | FE       | LKSD  | PCT | 921          | .100                   | .800    | 1.400   | 2.250   | 2.550   | 3.400   | 4.500   | 7.250    | 9.300    | 17.000       |
| TOTAL  | HG       | LKSD  | PPB | 912          | 20.000                 | 90.000  | 120.000 | 160.000 | 170.000 | 190.000 | 230.000 | 300.000  | 340.000  | 710.000      |
| TOTAL  | LOI      | LKSD  | PCT | 913          | 1.600                  | 33.800  | 42.000  | 51.200  | 53.400  | 59.800  | 64.600  | 73.800   | 76.600   | 87.200       |
| TOTAL  | U        | LKSD  | PPM | 922          | .100                   | 1.100   | 1.900   | 4.200   | 5.000   | 8.600   | 14.500  | 25.600   | 33.400   | 105.000      |
| TOTAL  | U        | LKWR  | PPB | 919          | .005                   | .005    | .010    | .080    | .130    | .300    | .500    | .770     | 1.200    | 3.600        |
| TOTAL  | F        | LKWR  | PPB | 922          | 10.000                 | 30.000  | 36.000  | 46.000  | 48.000  | 58.000  | 70.000  | 86.000   | 110.000  | 760.000      |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 ZN LKSD                      PPM                      DIBS

HISTOGRAM

SUMMARY STATISTICS

|            | **                   | *  | *  | *  | *  | *   | N   | %     | CUM %  |                                 |           |
|------------|----------------------|----|----|----|----|-----|-----|-------|--------|---------------------------------|-----------|
| 1 PPM *    |                      |    |    |    |    | *   |     |       |        | TOTAL NUMBER OF SAMPLES         | 253       |
| 2 PPM *    |                      |    |    |    |    | *   |     |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0         |
| 5 PPM *    |                      |    |    |    |    | *   |     |       |        | NUMBER OF NON-ZERO SAMPLES      | 253       |
| 10 PPM *   |                      |    |    |    |    | *   |     |       |        | ARITHMETIC MEAN                 | 121.7470  |
| 20 PPM *   |                      |    |    |    |    | *   |     |       |        | VARIANCE                        | 4040.2691 |
| 50 PPM *   | XXX                  |    |    |    |    | *   | 13  | 5.14  | 5.14   | STANDARD DEVIATION              | 63.5631   |
| 100 PPM *  | XXXXXXXXXXXXXXXXXXXX |    |    |    |    | *   | 90  | 35.57 | 40.71  | SKEW                            | 2.0569    |
| 200 PPM *  | XXXXXXXXXXXXXXXXXXXX |    |    |    |    | *   | 128 | 50.59 | 91.30  | EXCESS KURTOSIS                 | 6.6733    |
| 500 PPM *  | XXXX                 |    |    |    |    | *   | 22  | 8.70  | 100.00 | COEFFICIENT OF VARIANCE, %      | 52.2092   |
| 1000 PPM * |                      |    |    |    |    | *   |     |       |        | STANDARD ERROR OF THE MEAN      | 3.9962    |
| 2000 PPM * |                      |    |    |    |    | *   |     |       |        | LOWER 95% LIMIT ON THE MEAN     | 113.8750  |
| 5000 PPM * |                      |    |    |    |    | *   |     |       |        | UPPER 95% LIMIT ON THE MEAN     | 129.6190  |
|            | **                   | *  | *  | *  | *  | *   |     |       |        | LOWER 95% LIMIT ON THE RANGE    | -3.4647   |
|            | 0                    | 20 | 40 | 60 | 80 | 100 |     |       |        | UPPER 95% LIMIT ON THE RANGE    | 246.9587  |
|            |                      |    |    |    |    |     |     |       |        | GEOMETRIC MEAN                  | 108.8174  |
|            |                      |    |    |    |    |     |     |       |        | LOG10 MEAN                      | 2.0367    |
|            |                      |    |    |    |    |     |     |       |        | LOG10 VARIANCE                  | .0417     |
|            |                      |    |    |    |    |     |     |       |        | LOG10 STANDARD DEVIATION        | .2042     |
|            |                      |    |    |    |    |     |     |       |        | STANDARD ERROR ON THE MEAN      | .0128     |
|            |                      |    |    |    |    |     |     |       |        | LOWER 95% LIMIT ON THE MEAN     | 102.6605  |
|            |                      |    |    |    |    |     |     |       |        | UPPER 95% LIMIT ON THE MEAN     | 115.3434  |
|            |                      |    |    |    |    |     |     |       |        | LOWER 95% LIMIT ON THE RANGE    | 43.0885   |
|            |                      |    |    |    |    |     |     |       |        | UPPER 95% LIMIT ON THE RANGE    | 274.8114  |
|            |                      |    |    |    |    |     |     |       |        | MINIMUM VALUE                   | 30.0000   |
|            |                      |    |    |    |    |     |     |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 78.0000   |
|            |                      |    |    |    |    |     |     |       |        | 50TH PERCENTILE OR MEDIAN       | 110.0000  |
|            |                      |    |    |    |    |     |     |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 138.0000  |
|            |                      |    |    |    |    |     |     |       |        | 80TH PERCENTILE                 | 154.0000  |
|            |                      |    |    |    |    |     |     |       |        | 90TH PERCENTILE                 | 194.0000  |
|            |                      |    |    |    |    |     |     |       |        | 95TH PERCENTILE                 | 240.0000  |
|            |                      |    |    |    |    |     |     |       |        | 98TH PERCENTILE                 | 355.0000  |
|            |                      |    |    |    |    |     |     |       |        | 99TH PERCENTILE                 | 365.0000  |
|            |                      |    |    |    |    |     |     |       |        | MAXIMUM VALUE                   | 495.0000  |

PERCENT





VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 ZN LKSD                      PPM                      ARGL

| HISTOGRAM  |  |    |    |    |    | SUMMARY STATISTICS |       |        |                                 |           |
|------------|--|----|----|----|----|--------------------|-------|--------|---------------------------------|-----------|
|            | **   | *  | *  | *  | *  | N                  | %     | CUM %  |                                 |           |
| 1 PPM *    |  |    |    |    | *  |                    |       |        | TOTAL NUMBER OF SAMPLES         | 29        |
| 2 PPM *    |  |    |    |    | *  |                    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0         |
| 5 PPM *    |  |    |    |    | *  |                    |       |        | NUMBER OF NON-ZERO SAMPLES      | 29        |
| 10 PPM *   |  |    |    |    | *  |                    |       |        | ARITHMETIC MEAN                 | 128.0000  |
| 20 PPM *   |  |    |    |    | *  |                    |       |        | VARIANCE                        | 2082.5000 |
| 50 PPM *   | XX   |    |    |    | *  | 1                  | 3.45  | 3.45   | STANDARD DEVIATION              | 45.6344   |
| 100 PPM *  | XXXXXXXXXX                                   |    |    |    | *  | 5                  | 17.24 | 20.69  | SKEW                            | .9015     |
| 200 PPM *  | XX |    |    |    | *  | 21                 | 72.41 | 93.10  | EXCESS KURTOSIS                 | 1.5652    |
| 500 PPM *  | XXX  |    |    |    | *  | 2                  | 6.90  | 100.00 | COEFFICIENT OF VARIANCE, %      | 35.6519   |
| 1000 PPM * |  |    |    |    | *  |                    |       |        | STANDARD ERROR OF THE MEAN      | 8.4741    |
| 2000 PPM * |  |    |    |    | *  |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | 110.6705  |
| 5000 PPM * |  |    |    |    | *  |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 145.3295  |
|            |  |    |    |    | *  |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | 34.6776   |
|            |  |    |    |    | *  |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 221.3224  |
|            |  |    |    |    | *  |                    |       |        | GEOMETRIC MEAN                  | 119.6470  |
|            |  |    |    |    | *  |                    |       |        | LOG10 MEAN                      | 2.0779    |
|            |  |    |    |    | *  |                    |       |        | LOG10 VARIANCE                  | .0306     |
|            |  |    |    |    | *  |                    |       |        | LOG10 STANDARD DEVIATION        | .1749     |
|            | **   | *  | *  | *  | *  |                    |       |        | STANDARD ERROR ON THE MEAN      | .0325     |
|            | 0  | 20 | 40 | 60 | 80 | 100                |       |        | LOWER 95% LIMIT ON THE MEAN     | 102.6826  |
|            |  |    |    |    |    |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 139.4142  |
|            |  |    |    |    |    |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | 52.5170   |
|            |  |    |    |    |    |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 272.5863  |
|            |  |    |    |    |    |                    |       |        | MINIMUM VALUE                   | 26.0000   |
|            |  |    |    |    |    |                    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 104.0000  |
|            |  |    |    |    |    |                    |       |        | 50TH PERCENTILE OR MEDIAN       | 114.0000  |
|            |  |    |    |    |    |                    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 154.0000  |
|            |  |    |    |    |    |                    |       |        | 80TH PERCENTILE                 | 164.0000  |
|            |  |    |    |    |    |                    |       |        | 90TH PERCENTILE                 | 192.0000  |
|            |  |    |    |    |    |                    |       |        | 95TH PERCENTILE                 | 255.0000  |
|            |  |    |    |    |    |                    |       |        | 98TH PERCENTILE                 | 255.0000  |
|            |  |    |    |    |    |                    |       |        | 99TH PERCENTILE                 | 255.0000  |
|            |  |    |    |    |    |                    |       |        | MAXIMUM VALUE                   | 255.0000  |

PERCENT

|               |                     |             |
|---------------|---------------------|-------------|
| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
| ZN LKSD       | PPM                 | CHRT        |

SUMMARY STATISTICS

|                              |   |
|------------------------------|---|
| TOTAL NUMBER OF SAMPLES      | 2 |
| NUMBER OF ZERO VALUE SAMPLES | 0 |
| NUMBER OF NON-ZERO SAMPLES   | 2 |

|                    |            |
|--------------------|------------|
| ARITHMETIC MEAN    | 136.5000   |
| VARIANCE           | 12324.5000 |
| STANDARD DEVIATION | 111.0158   |
| SKEW               | 0.0000     |
| EXCESS KURTOSIS    | -2.0000    |

|                            |         |
|----------------------------|---------|
| COEFFICIENT OF VARIANCE, % | 81.3302 |
|----------------------------|---------|

|                             |           |
|-----------------------------|-----------|
| STANDARD ERROR OF THE MEAN  | 78.5000   |
| LOWER 95% LIMIT ON THE MEAN | -201.2855 |
| UPPER 95% LIMIT ON THE MEAN | 474.2855  |

|                              |           |
|------------------------------|-----------|
| LOWER 95% LIMIT ON THE RANGE | -341.2008 |
| UPPER 95% LIMIT ON THE RANGE | 614.2008  |

|                          |          |
|--------------------------|----------|
| GEOMETRIC MEAN           | 111.6692 |
| LOG10 MEAN               | 2.0479   |
| LOG10 VARIANCE           | .1619    |
| LOG10 STANDARD DEVIATION | .4024    |

|                             |           |
|-----------------------------|-----------|
| STANDARD ERROR ON THE MEAN  | .2845     |
| LOWER 95% LIMIT ON THE MEAN | 6.6636    |
| UPPER 95% LIMIT ON THE MEAN | 1871.3682 |

|                              |           |
|------------------------------|-----------|
| LOWER 95% LIMIT ON THE RANGE | 2.0731    |
| UPPER 95% LIMIT ON THE RANGE | 6015.2027 |

|                                 |          |
|---------------------------------|----------|
| MINIMUM VALUE                   | 58.0000  |
| 25TH PERCENTILE OR 1ST QUARTILE | 58.0000  |
| 50TH PERCENTILE OR MEDIAN       | 215.0000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 215.0000 |
| 80TH PERCENTILE                 | 215.0000 |
| 90TH PERCENTILE                 | 215.0000 |
| 95TH PERCENTILE                 | 215.0000 |
| 98TH PERCENTILE                 | 215.0000 |
| 99TH PERCENTILE                 | 215.0000 |
| MAXIMUM VALUE                   | 215.0000 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 ZN LKSD                      PPM                      GRNT

| HISTOGRAM |    |                              |    |    |     | SUMMARY STATISTICS |       |        |                                 |           |
|-----------|----|------------------------------|----|----|-----|--------------------|-------|--------|---------------------------------|-----------|
|           |    |                              |    |    |     | N                  | %     | CUM %  |                                 |           |
| **        | *  | *                            | *  | *  | *   |                    |       |        | TOTAL NUMBER OF SAMPLES         | 66        |
|           |    |                              |    |    |     |                    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0         |
| 1 PPM     | *  |                              |    |    |     |                    |       |        | NUMBER OF NON-ZERO SAMPLES      | 66        |
| 2 PPM     | *  |                              |    |    |     |                    |       |        |                                 |           |
| 5 PPM     | *  |                              |    |    |     |                    |       |        | ARITHMETIC MEAN                 | 95.6515   |
| 10 PPM    | *  |                              |    |    |     |                    |       |        | VARIANCE                        | 1821.7998 |
| 20 PPM    | *  |                              |    |    |     |                    |       |        | STANDARD DEVIATION              | 42.6825   |
| 50 PPM    | *  | XXXXX                        |    |    |     | 6                  | 9.09  | 9.09   | SKEW                            | 1.3751    |
| 100 PPM   | *  | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |     | 37                 | 56.06 | 65.15  | EXCESS KURTOSIS                 | 2.8733    |
| 200 PPM   | *  | XXXXXXXXXXXXXXXXXXXX         |    |    |     | 21                 | 31.82 | 96.97  | COEFFICIENT OF VARIANCE, %      | 44.6230   |
| 500 PPM   | *  | XX                           |    |    |     | 2                  | 3.03  | 100.00 | STANDARD ERROR OF THE MEAN      | 5.2539    |
| 1000 PPM  | *  |                              |    |    |     |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | 85.1606   |
| 2000 PPM  | *  |                              |    |    |     |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 106.1424  |
| 5000 PPM  | *  |                              |    |    |     |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | 10.4230   |
|           |    |                              |    |    |     |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 180.8800  |
|           |    |                              |    |    |     |                    |       |        | GEOMETRIC MEAN                  | 87.4844   |
|           |    |                              |    |    |     |                    |       |        | LOG10 MEAN                      | 1.9419    |
|           |    |                              |    |    |     |                    |       |        | LOG10 VARIANCE                  | .0341     |
|           |    |                              |    |    |     |                    |       |        | LOG10 STANDARD DEVIATION        | .1846     |
| **        | *  | *                            | *  | *  | *   |                    |       |        | STANDARD ERROR ON THE MEAN      | .0227     |
| 0         | 20 | 40                           | 60 | 80 | 100 |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | 78.8069   |
|           |    |                              |    |    |     |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 97.1174   |
|           |    |                              |    |    |     |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | 37.4431   |
|           |    |                              |    |    |     |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 204.4038  |
|           |    |                              |    |    |     |                    |       |        | MINIMUM VALUE                   | 32.0000   |
|           |    |                              |    |    |     |                    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 64.0000   |
|           |    |                              |    |    |     |                    |       |        | 50TH PERCENTILE OR MEDIAN       | 86.0000   |
|           |    |                              |    |    |     |                    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 118.0000  |
|           |    |                              |    |    |     |                    |       |        | 80TH PERCENTILE                 | 130.0000  |
|           |    |                              |    |    |     |                    |       |        | 90TH PERCENTILE                 | 150.0000  |
|           |    |                              |    |    |     |                    |       |        | 95TH PERCENTILE                 | 168.0000  |
|           |    |                              |    |    |     |                    |       |        | 98TH PERCENTILE                 | 265.0000  |
|           |    |                              |    |    |     |                    |       |        | 99TH PERCENTILE                 | 265.0000  |
|           |    |                              |    |    |     |                    |       |        | MAXIMUM VALUE                   | 265.0000  |

PERCENT



VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 ZN LKSD                      PPM                      UMFC

SUMMARY STATISTICS

TOTAL NUMBER OF SAMPLES                      1  
 NUMBER OF ZERO VALUE SAMPLES              0  
 NUMBER OF NON-ZERO SAMPLES                1

ARITHMETIC MEAN                              156.0000  
 VARIANCE                                      .0000  
 STANDARD DEVIATION                         .0000  
 SKEW    .0000  
 EXCESS KURTOSIS                             .0000

COEFFICIENT OF VARIANCE, %                .0000

STANDARD ERROR OF THE MEAN                .0000  
 LOWER 95% LIMIT ON THE MEAN              156.0000  
 UPPER 95% LIMIT ON THE MEAN              156.0000

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LOWER 95% LIMIT ON THE RANGE              156.0000  
 UPPER 95% LIMIT ON THE RANGE              156.0000

NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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GEOMETRIC MEAN                              156.0000  
 LOG10 MEAN                                  2.1931  
 LOG10 VARIANCE                              .0000  
 LOG10 STANDARD DEVIATION                 .0000

STANDARD ERROR ON THE MEAN                .0000  
 LOWER 95% LIMIT ON THE MEAN              156.0000  
 UPPER 95% LIMIT ON THE MEAN              156.0000

LOWER 95% LIMIT ON THE RANGE              156.0000  
 UPPER 95% LIMIT ON THE RANGE              156.0000

MINIMUM VALUE                                156.0000  
 25TH PERCENTILE OR 1ST QUARTILE          156.0000  
 50TH PERCENTILE OR MEDIAN                156.0000  
 75TH PERCENTILE OR 3RD QUARTILE         156.0000  
 80TH PERCENTILE                            156.0000  
 90TH PERCENTILE                            156.0000  
 95TH PERCENTILE                            156.0000  
 98TH PERCENTILE                            156.0000  
 99TH PERCENTILE                            156.0000  
 MAXIMUM VALUE                               156.0000

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 ZN LKSD                      PPM                      CGLM

HISTOGRAM

SUMMARY STATISTICS

|            | N  | %     | CUM %  |  |
|------------|----|-------|--------|--|
| **         |    |       |        |  |
| 1 PPM *    | 1  | 4.00  | 4.00   | TOTAL NUMBER OF SAMPLES 25               |
| 2 PPM *    |    |       |        | NUMBER OF ZERO VALUE SAMPLES 1           |
| 5 PPM *    |    |       |        | NUMBER OF NON-ZERO SAMPLES 24            |
| 10 PPM *   |    |       |        | ARITHMETIC MEAN 104.2500                 |
| 20 PPM *   |    |       |        | VARIANCE 810.5435                        |
| 50 PPM *   |    |       |        | STANDARD DEVIATION 28.4700               |
| 100 PPM *  |    |       |        | SKEW .3685                               |
| 200 PPM *  |    |       |        | EXCESS KURTOSIS -1.1202                  |
| 500 PPM *  |    |       |        | COEFFICIENT OF VARIANCE, % 27.3094       |
| 1000 PPM * | 13 | 52.00 | 56.00  | STANDARD ERROR OF THE MEAN 5.8114        |
| 2000 PPM * | 11 | 44.00 | 100.00 | LOWER 95% LIMIT ON THE MEAN 92.2552      |
| 5000 PPM * |    |       |        | UPPER 95% LIMIT ON THE MEAN 116.2448     |
|            |    |       |        | LOWER 95% LIMIT ON THE RANGE 45.4878     |
|            |    |       |        | UPPER 95% LIMIT ON THE RANGE 163.0122    |
|            |    |       |        | GEOMETRIC MEAN 100.5945                  |
|            |    |       |        | LOG10 MEAN 2.0026                        |
|            |    |       |        | LOG10 VARIANCE .0141                     |
|            |    |       |        | LOG10 STANDARD DEVIATION .1188           |
| **         |    |       |        | STANDARD ERROR ON THE MEAN .0242         |
| 0          |    |       |        | LOWER 95% LIMIT ON THE MEAN 89.6479      |
| 20         |    |       |        | UPPER 95% LIMIT ON THE MEAN 112.8777     |
| 40         |    |       |        | LOWER 95% LIMIT ON THE RANGE 57.2083     |
| 60         |    |       |        | UPPER 95% LIMIT ON THE RANGE 176.8845    |
| 80         |    |       |        | MINIMUM VALUE 62.0000                    |
| 100        |    |       |        | 25TH PERCENTILE OR 1ST QUARTILE 82.0000  |
|            |    |       |        | 50TH PERCENTILE OR MEDIAN 98.0000        |
|            |    |       |        | 75TH PERCENTILE OR 3RD QUARTILE 132.0000 |
|            |    |       |        | 80TH PERCENTILE 142.0000                 |
|            |    |       |        | 90TH PERCENTILE 150.0000                 |
|            |    |       |        | 95TH PERCENTILE 154.0000                 |
|            |    |       |        | 98TH PERCENTILE 154.0000                 |
|            |    |       |        | 99TH PERCENTILE 154.0000                 |
|            |    |       |        | MAXIMUM VALUE 154.0000                   |

PERCENT

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 ZN LKSD                      PPM                      GRCK

HISTOGRAM

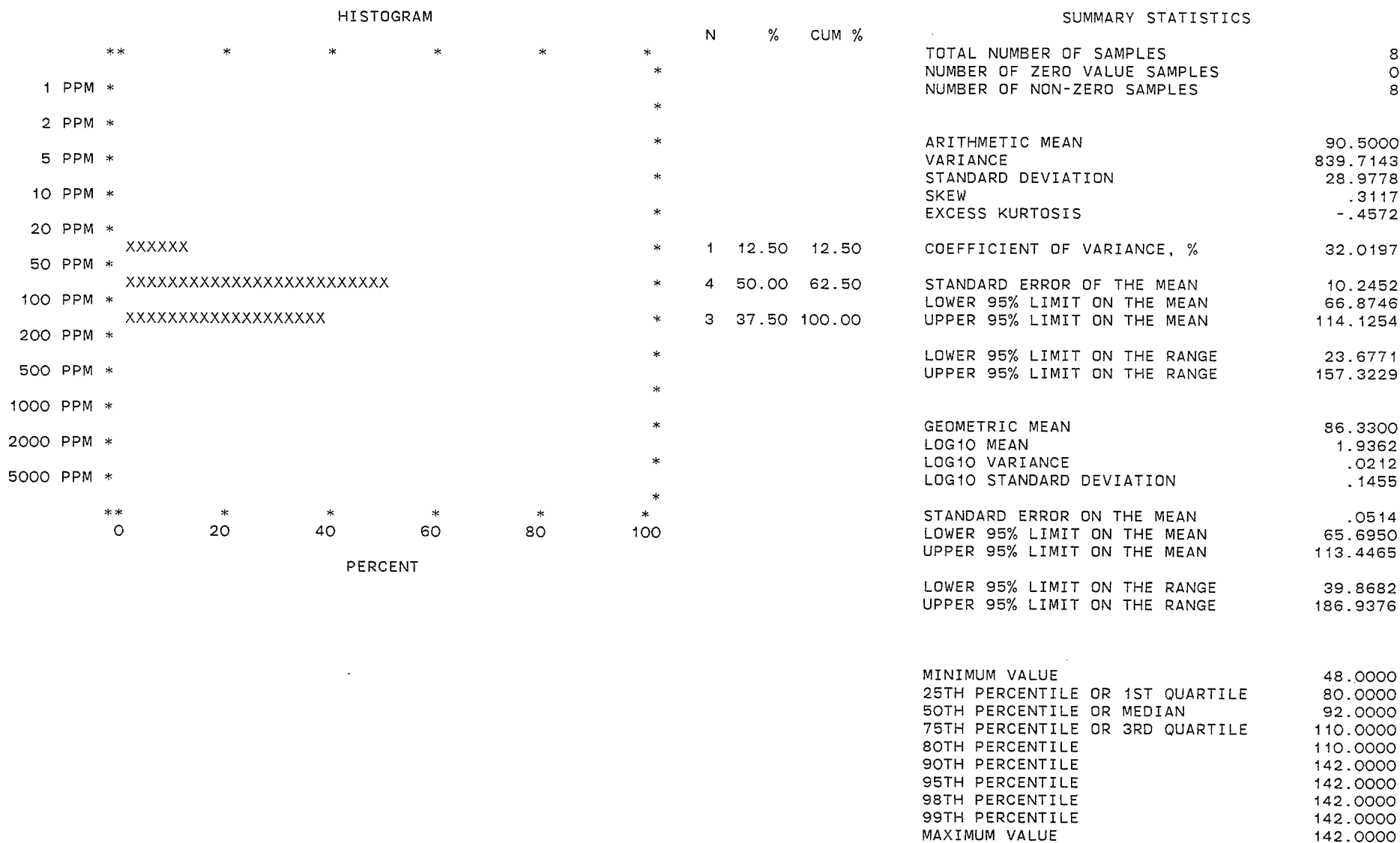
SUMMARY STATISTICS

|  | N  | %     | CUM %  |   |
|--|----|-------|--------|---|
| **                      *                      *                      *                      *                             |    |       |        | TOTAL NUMBER OF SAMPLES                      45               |
| 1 PPM *  |    |       |        | NUMBER OF ZERO VALUE SAMPLES                      0           |
| 2 PPM *  |    |       |        | NUMBER OF NON-ZERO SAMPLES                      45            |
| 5 PPM *  |    |       |        | ARITHMETIC MEAN                      102.6000                 |
| 10 PPM *   |    |       |        | VARIANCE                      1843.2909                       |
| 20 PPM *   |    |       |        | STANDARD DEVIATION                      42.9336               |
| 50 PPM *   |    |       |        | SKEW                      .3832                               |
| 100 PPM *  |    |       |        | EXCESS KURTOSIS                      .0577                    |
| 200 PPM *  |    |       |        | COEFFICIENT OF VARIANCE, %                      41.8456       |
| 500 PPM *  | 5  | 11.11 | 11.11  | STANDARD ERROR OF THE MEAN                      6.4002        |
| 1000 PPM *   | 17 | 37.78 | 48.89  | LOWER 95% LIMIT ON THE MEAN                      89.7069      |
| 2000 PPM *   | 21 | 46.67 | 95.56  | UPPER 95% LIMIT ON THE MEAN                      115.4931     |
| 5000 PPM *   | 2  | 4.44  | 100.00 | LOWER 95% LIMIT ON THE RANGE                      16.1103     |
|  |    |       |        | UPPER 95% LIMIT ON THE RANGE                      189.0897    |
|  |    |       |        | GEOMETRIC MEAN                      92.7335                   |
|  |    |       |        | LOG10 MEAN                      1.9672                        |
|  |    |       |        | LOG10 VARIANCE                      .0445                     |
|  |    |       |        | LOG10 STANDARD DEVIATION                      .2109           |
| **                      *                      *                      *                      *                             |    |       |        | STANDARD ERROR ON THE MEAN                      .0314         |
| 0                      20                      40                      60                      80                      100 |    |       |        | LOWER 95% LIMIT ON THE MEAN                      80.1474      |
|  |    |       |        | UPPER 95% LIMIT ON THE MEAN                      107.2962     |
|  |    |       |        | LOWER 95% LIMIT ON THE RANGE                      34.8570     |
|  |    |       |        | UPPER 95% LIMIT ON THE RANGE                      246.7081    |
|  |    |       |        | MINIMUM VALUE                      24.0000                    |
|  |    |       |        | 25TH PERCENTILE OR 1ST QUARTILE                      68.0000  |
|  |    |       |        | 50TH PERCENTILE OR MEDIAN                      104.0000       |
|  |    |       |        | 75TH PERCENTILE OR 3RD QUARTILE                      124.0000 |
|  |    |       |        | 80TH PERCENTILE                      132.0000                 |
|  |    |       |        | 90TH PERCENTILE                      158.0000                 |
|  |    |       |        | 95TH PERCENTILE                      205.0000                 |
|  |    |       |        | 98TH PERCENTILE                      210.0000                 |
|  |    |       |        | 99TH PERCENTILE                      210.0000                 |
|  |    |       |        | MAXIMUM VALUE                      210.0000                   |

PERCENT



VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 ZN LKSD                      PPM                      BEXV



VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 ZN LKSD                      PPM                      MVCC

HISTOGRAM

SUMMARY STATISTICS

|            | N  | %  | CUM %  |                                 |          |
|------------|----|----|--------|---------------------------------|----------|
| **         | *  | *  | *      | *                               | *        |
| 1 PPM *    | *  |    |        | TOTAL NUMBER OF SAMPLES         | 42       |
| 2 PPM *    | *  |    |        | NUMBER OF ZERO VALUE SAMPLES    | 0        |
| 5 PPM *    | *  |    |        | NUMBER OF NON-ZERO SAMPLES      | 42       |
| 10 PPM *   | *  |    |        | ARITHMETIC MEAN                 | 90.0952  |
| 20 PPM *   | *  |    |        | VARIANCE                        | 743.2102 |
| 50 PPM *   | *  |    |        | STANDARD DEVIATION              | 27.2619  |
| 100 PPM *  | *  |    |        | SKEW                            | .5022    |
| 200 PPM *  | *  |    |        | EXCESS KURTOSIS                 | 1.0221   |
| 500 PPM *  | *  | 2  | 4.76   | COEFFICIENT OF VARIANCE, %      | 30.2590  |
| 1000 PPM * | *  | 28 | 66.67  | STANDARD ERROR OF THE MEAN      | 4.2066   |
| 2000 PPM * | *  | 12 | 28.57  | LOWER 95% LIMIT ON THE MEAN     | 81.6046  |
| 5000 PPM * | *  |    | 100.00 | UPPER 95% LIMIT ON THE MEAN     | 98.5858  |
| **         | *  | *  | *      | LOWER 95% LIMIT ON THE RANGE    | 35.0699  |
| 0          | 20 | 40 | 60     | UPPER 95% LIMIT ON THE RANGE    | 145.1206 |
|            |    |    |        | GEOMETRIC MEAN                  | 85.7575  |
|            |    |    |        | LOG10 MEAN                      | 1.9333   |
|            |    |    |        | LOG10 VARIANCE                  | .0212    |
|            |    |    |        | LOG10 STANDARD DEVIATION        | .1455    |
|            |    |    |        | STANDARD ERROR ON THE MEAN      | .0225    |
|            |    |    |        | LOWER 95% LIMIT ON THE MEAN     | 77.2592  |
|            |    |    |        | UPPER 95% LIMIT ON THE MEAN     | 95.1906  |
|            |    |    |        | LOWER 95% LIMIT ON THE RANGE    | 43.6065  |
|            |    |    |        | UPPER 95% LIMIT ON THE RANGE    | 168.6524 |
|            |    |    |        | MINIMUM VALUE                   | 24.0000  |
|            |    |    |        | 25TH PERCENTILE OR 1ST QUARTILE | 72.0000  |
|            |    |    |        | 50TH PERCENTILE OR MEDIAN       | 88.0000  |
|            |    |    |        | 75TH PERCENTILE OR 3RD QUARTILE | 106.0000 |
|            |    |    |        | 80TH PERCENTILE                 | 112.0000 |
|            |    |    |        | 90TH PERCENTILE                 | 132.0000 |
|            |    |    |        | 95TH PERCENTILE                 | 136.0000 |
|            |    |    |        | 98TH PERCENTILE                 | 172.0000 |
|            |    |    |        | 99TH PERCENTILE                 | 172.0000 |
|            |    |    |        | MAXIMUM VALUE                   | 172.0000 |

PERCENT

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 ZN LKSD                      PPM                      UKNN

HISTOGRAM

SUMMARY STATISTICS

|  | N  | %     | CUM %  |                                 |
|--|----|-------|--------|---------------------------------|
| **                      *                      *                      *                      *                             |    |       |        | TOTAL NUMBER OF SAMPLES         |
|  |    |       |        | NUMBER OF ZERO VALUE SAMPLES    |
| 1 PPM *  |    |       |        | NUMBER OF NON-ZERO SAMPLES      |
| 2 PPM *  |    |       |        |                                 |
| 5 PPM *  |    |       |        | ARITHMETIC MEAN                 |
| 10 PPM *   |    |       |        | VARIANCE                        |
| 20 PPM *   |    |       |        | STANDARD DEVIATION              |
| 50 PPM * X   | 2  | 2.74  | 2.74   | SKEW                            |
| 100 PPM * XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX   | 42 | 57.53 | 60.27  | EXCESS KURTOSIS                 |
| 200 PPM * XXXXXXXXXXXXXXXXXXXXXXX  | 28 | 38.36 | 98.63  | COEFFICIENT OF VARIANCE, %      |
| 500 PPM * X  | 1  | 1.37  | 100.00 | STANDARD ERROR OF THE MEAN      |
| 1000 PPM *   |    |       |        | LOWER 95% LIMIT ON THE MEAN     |
| 2000 PPM *   |    |       |        | UPPER 95% LIMIT ON THE MEAN     |
| 5000 PPM *   |    |       |        | LOWER 95% LIMIT ON THE RANGE    |
|  |    |       |        | UPPER 95% LIMIT ON THE RANGE    |
| **                      *                      *                      *                      *                             |    |       |        | GEOMETRIC MEAN                  |
| 0                      20                      40                      60                      80                      100 |    |       |        | LOG10 MEAN                      |
|  |    |       |        | LOG10 VARIANCE                  |
|  |    |       |        | LOG10 STANDARD DEVIATION        |
|  |    |       |        | STANDARD ERROR ON THE MEAN      |
|  |    |       |        | LOWER 95% LIMIT ON THE MEAN     |
|  |    |       |        | UPPER 95% LIMIT ON THE MEAN     |
|  |    |       |        | LOWER 95% LIMIT ON THE RANGE    |
|  |    |       |        | UPPER 95% LIMIT ON THE RANGE    |
|  |    |       |        | MINIMUM VALUE                   |
|  |    |       |        | 25TH PERCENTILE OR 1ST QUARTILE |
|  |    |       |        | 50TH PERCENTILE OR MEDIAN       |
|  |    |       |        | 75TH PERCENTILE OR 3RD QUARTILE |
|  |    |       |        | 80TH PERCENTILE                 |
|  |    |       |        | 90TH PERCENTILE                 |
|  |    |       |        | 95TH PERCENTILE                 |
|  |    |       |        | 98TH PERCENTILE                 |
|  |    |       |        | 99TH PERCENTILE                 |
|  |    |       |        | MAXIMUM VALUE                   |

SUMMARY STATISTICS

| SUBSET | VARIABLE | UNITS | N   | ARITH<br>MEAN | STD<br>DEV | CV % | SKEW | EXCESS<br>KURT | 95% LIMITS<br>ON MEAN | GEOM<br>MEAN | LOG 10<br>MEAN | STD<br>DEV | 95% LIMITS<br>ON MEAN |          |
|--------|----------|-------|-----|---------------|------------|------|------|----------------|-----------------------|--------------|----------------|------------|-----------------------|----------|
| DIBS   | ZN LKSD  | PPM   | 253 | 122.          | 63.6       | 52.2 | 2.06 | 6.67           | 114.                  | 130.         | 109.           | 2.0367     | 103.                  | 115.     |
| SMRK   | ZN LKSD  | PPM   | 94  | 104.          | 102.       | 98.3 | 6.24 | 44.91          | 83.1                  | 125.         | 86.4           | 1.9364     | 76.9                  | 97.0     |
| ARGL   | ZN LKSD  | PPM   | 29  | 128.          | 45.6       | 35.7 | .90  | 1.57           | 111.                  | 145.         | 120.           | 2.0779     | 103.                  | 139.     |
| CHRT   | ZN LKSD  | PPM   | 2   | 137.          | 111.       | 81.3 | 0.00 | -2.00          | -201.                 | 474.         | 112.           | 2.0479     | 6.66                  | .187E+04 |
| GRNT   | ZN LKSD  | PPM   | 66  | 95.7          | 42.7       | 44.6 | 1.38 | 2.87           | 85.2                  | 106.         | 87.5           | 1.9419     | 78.8                  | 97.1     |
| GRNG   | ZN LKSD  | PPM   | 284 | 98.7          | 41.7       | 42.3 | 1.47 | 3.71           | 93.8                  | 104.         | 91.0           | 1.9590     | 86.8                  | 95.4     |
| UMFC   | ZN LKSD  | PPM   | 1   | 156.          | .100E-05   | .0   | .00  | .00            | 156.                  | 156.         | 156.           | 2.1931     | 156.                  | 156.     |
| CGLM   | ZN LKSD  | PPM   | 24  | 104.          | 28.5       | 27.3 | .37  | -1.12          | 92.3                  | 116.         | 101.           | 2.0026     | 89.6                  | 113.     |
| GRCK   | ZN LKSD  | PPM   | 45  | 103.          | 42.9       | 41.8 | .38  | .06            | 89.7                  | 115.         | 92.7           | 1.9672     | 80.1                  | 107.     |
| BEXV   | ZN LKSD  | PPM   | 8   | 90.5          | 29.0       | 32.0 | .31  | -.46           | 66.9                  | 114.         | 86.3           | 1.9362     | 65.7                  | 113.     |
| MVCC   | ZN LKSD  | PPM   | 42  | 90.1          | 27.3       | 30.3 | .50  | 1.02           | 81.6                  | 98.6         | 85.8           | 1.9333     | 77.3                  | 95.2     |
| UKNN   | ZN LKSD  | PPM   | 73  | 98.7          | 32.5       | 33.0 | 1.47 | 3.64           | 91.1                  | 106.         | 94.1           | 1.9735     | 87.6                  | 101.     |

| SUBSET | VARIABLE | UNITS | N   | MIN<br>VALUE | ----- PERCENTILE ----- |         |         |         |         |         |         |         |         | MAX<br>VALUE |
|--------|----------|-------|-----|--------------|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|--------------|
|        |          |       |     |              | 25TH                   | 50TH    | 75TH    | 80TH    | 90TH    | 95TH    | 98TH    | 99TH    |         |              |
| DIBS   | ZN LKSD  | PPM   | 253 | 30.000       | 78.000                 | 110.000 | 138.000 | 154.000 | 194.000 | 240.000 | 355.000 | 365.000 | 495.000 |              |
| SMRK   | ZN LKSD  | PPM   | 94  | 10.000       | 70.000                 | 90.000  | 116.000 | 120.000 | 138.000 | 180.000 | 510.000 | 925.000 | 925.000 |              |
| ARGL   | ZN LKSD  | PPM   | 29  | 26.000       | 104.000                | 114.000 | 154.000 | 164.000 | 192.000 | 255.000 | 255.000 | 255.000 | 255.000 |              |
| CHRT   | ZN LKSD  | PPM   | 2   | 58.000       | 58.000                 | 215.000 | 215.000 | 215.000 | 215.000 | 215.000 | 215.000 | 215.000 | 215.000 |              |
| GRNT   | ZN LKSD  | PPM   | 66  | 32.000       | 64.000                 | 86.000  | 118.000 | 130.000 | 150.000 | 168.000 | 265.000 | 265.000 | 265.000 |              |
| GRNG   | ZN LKSD  | PPM   | 284 | 24.000       | 72.000                 | 92.000  | 118.000 | 124.000 | 148.000 | 174.000 | 220.000 | 280.000 | 285.000 |              |
| UMFC   | ZN LKSD  | PPM   | 1   | 156.000      | 156.000                | 156.000 | 156.000 | 156.000 | 156.000 | 156.000 | 156.000 | 156.000 | 156.000 |              |
| CGLM   | ZN LKSD  | PPM   | 24  | 62.000       | 82.000                 | 98.000  | 132.000 | 142.000 | 150.000 | 154.000 | 154.000 | 154.000 | 154.000 |              |
| GRCK   | ZN LKSD  | PPM   | 45  | 24.000       | 68.000                 | 104.000 | 124.000 | 132.000 | 158.000 | 205.000 | 210.000 | 210.000 | 210.000 |              |
| BEXV   | ZN LKSD  | PPM   | 8   | 48.000       | 80.000                 | 92.000  | 110.000 | 110.000 | 142.000 | 142.000 | 142.000 | 142.000 | 142.000 |              |
| MVCC   | ZN LKSD  | PPM   | 42  | 24.000       | 72.000                 | 88.000  | 106.000 | 112.000 | 132.000 | 136.000 | 172.000 | 172.000 | 172.000 |              |
| UKNN   | ZN LKSD  | PPM   | 73  | 42.000       | 78.000                 | 92.000  | 112.000 | 118.000 | 138.000 | 160.000 | 235.000 | 235.000 | 235.000 |              |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 CU LKSD                      PPM                      DIBS

| HISTOGRAM |    |                      |   |   |   | SUMMARY STATISTICS |       |        |                                 |            |
|-----------|----|----------------------|---|---|---|--------------------|-------|--------|---------------------------------|------------|
|           | ** | *                    | * | * | * | N                  | %     | CUM %  |                                 |            |
| 1 PPM     | *  |                      |   |   |   |                    |       |        | TOTAL NUMBER OF SAMPLES         | 253        |
| 2 PPM     | *  |                      |   |   |   |                    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0          |
| 5 PPM     | *  |                      |   |   |   |                    |       |        | NUMBER OF NON-ZERO SAMPLES      | 253        |
| 10 PPM    | *  |                      |   |   |   |                    |       |        | ARITHMETIC MEAN                 | 125.5059   |
| 20 PPM    | *  |                      |   |   |   |                    |       |        | VARIANCE                        | 12758.7351 |
| 50 PPM    | *  | XX                   |   |   |   | 9                  | 3.56  | 3.56   | STANDARD DEVIATION              | 112.9546   |
| 100 PPM   | *  | XXXXX                |   |   |   | 27                 | 10.67 | 14.23  | SKEW                            | 3.9972     |
| 200 PPM   | *  | XXXXXXXXXXXXXXXXXXXX |   |   |   | 100                | 39.53 | 53.75  | EXCESS KURTOSIS                 | 25.0069    |
| 500 PPM   | *  | XXXXXXXXXXXXXXXXXXXX |   |   |   | 85                 | 33.60 | 87.35  | COEFFICIENT OF VARIANCE, %      | 89.9994    |
| 1000 PPM  | *  | XXXXXXXXXXXXXXXXXXXX |   |   |   | 30                 | 11.86 | 99.21  | STANDARD ERROR OF THE MEAN      | 7.1014     |
| 2000 PPM  | *  | I                    |   |   |   | 1                  | .40   | 99.60  | LOWER 95% LIMIT ON THE MEAN     | 111.5170   |
| 5000 PPM  | *  | I                    |   |   |   | 1                  | .40   | 100.00 | UPPER 95% LIMIT ON THE MEAN     | 139.4948   |
| 1 PCT     | *  |                      |   |   |   |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | -97.0010   |
| 2 PCT     | *  |                      |   |   |   |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 348.0129   |
| 5 PCT     | *  |                      |   |   |   |                    |       |        | GEOMETRIC MEAN                  | 96.5566    |
|           |    |                      |   |   |   |                    |       |        | LOG10 MEAN                      | 1.9848     |
|           |    |                      |   |   |   |                    |       |        | LOG10 VARIANCE                  | .0987      |
|           |    |                      |   |   |   |                    |       |        | LOG10 STANDARD DEVIATION        | .3142      |
|           |    |                      |   |   |   |                    |       |        | STANDARD ERROR ON THE MEAN      | .0198      |
|           |    |                      |   |   |   |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | 88.2806    |
|           |    |                      |   |   |   |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 105.6084   |
|           |    |                      |   |   |   |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | 23.2152    |
|           |    |                      |   |   |   |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 401.5977   |
|           |    |                      |   |   |   |                    |       |        | MINIMUM VALUE                   | 12.0000    |
|           |    |                      |   |   |   |                    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 62.0000    |
|           |    |                      |   |   |   |                    |       |        | 50TH PERCENTILE OR MEDIAN       | 96.0000    |
|           |    |                      |   |   |   |                    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 146.0000   |
|           |    |                      |   |   |   |                    |       |        | 80TH PERCENTILE                 | 168.0000   |
|           |    |                      |   |   |   |                    |       |        | 90TH PERCENTILE                 | 230.0000   |
|           |    |                      |   |   |   |                    |       |        | 95TH PERCENTILE                 | 340.0000   |
|           |    |                      |   |   |   |                    |       |        | 98TH PERCENTILE                 | 415.0000   |
|           |    |                      |   |   |   |                    |       |        | 99TH PERCENTILE                 | 495.0000   |
|           |    |                      |   |   |   |                    |       |        | MAXIMUM VALUE                   | 1080.0000  |

PERCENT

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 CU LKSD                      PPM                      SMRK

| HISTOGRAM  |                      |   |   |   |   | SUMMARY STATISTICS |       |        |                                 |           |
|------------|----------------------|---|---|---|---|--------------------|-------|--------|---------------------------------|-----------|
| **         | *                    | * | * | * | * | N                  | %     | CUM %  |                                 |           |
| 100 PPB *  |                      |   |   |   | * |                    |       |        | TOTAL NUMBER OF SAMPLES         | 94        |
| 200 PPB *  |                      |   |   |   | * |                    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0         |
| 500 PPB *  |                      |   |   |   | * |                    |       |        | NUMBER OF NON-ZERO SAMPLES      | 94        |
| 1 PPM *    |                      |   |   |   | * |                    |       |        | ARITHMETIC MEAN                 | 68.0000   |
| 2 PPM *    | X                    |   |   |   | * | 1                  | 1.06  | 1.06   | VARIANCE                        | 2193.7204 |
| 5 PPM *    |                      |   |   |   | * |                    |       |        | STANDARD DEVIATION              | 46.8372   |
| 10 PPM *   | X                    |   |   |   | * | 2                  | 2.13  | 3.19   | SKEW                            | 1.3106    |
| 20 PPM *   | XXXX                 |   |   |   | * | 7                  | 7.45  | 10.64  | EXCESS KURTOSIS                 | 1.7160    |
| 50 PPM *   | XXXXXXXXXXXXXXXXXXXX |   |   |   | * | 32                 | 34.04 | 44.68  | COEFFICIENT OF VARIANCE, %      | 68.8782   |
| 100 PPM *  | XXXXXXXXXXXXXXXXXXXX |   |   |   | * | 33                 | 35.11 | 79.79  | STANDARD ERROR OF THE MEAN      | 4.8309    |
| 200 PPM *  | XXXXXXXXXX           |   |   |   | * | 18                 | 19.15 | 98.94  | LOWER 95% LIMIT ON THE MEAN     | 58.4062   |
| 500 PPM *  | X                    |   |   |   | * | 1                  | 1.06  | 100.00 | UPPER 95% LIMIT ON THE MEAN     | 77.5938   |
| 1000 PPM * |                      |   |   |   | * |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | -25.0149  |
| 2000 PPM * |                      |   |   |   | * |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 161.0149  |
| 5000 PPM * |                      |   |   |   | * |                    |       |        | GEOMETRIC MEAN                  | 52.8982   |
|            |                      |   |   |   | * |                    |       |        | LOG10 MEAN                      | 1.7234    |
|            |                      |   |   |   | * |                    |       |        | LOG10 VARIANCE                  | .1152     |
|            |                      |   |   |   | * |                    |       |        | LOG10 STANDARD DEVIATION        | .3395     |
|            |                      |   |   |   | * |                    |       |        | STANDARD ERROR ON THE MEAN      | .0350     |
|            |                      |   |   |   | * |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | 45.0719   |
|            |                      |   |   |   | * |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 62.0836   |
|            |                      |   |   |   | * |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | 11.2013   |
|            |                      |   |   |   | * |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 249.8114  |
|            |                      |   |   |   | * |                    |       |        | MINIMUM VALUE                   | 2.0000    |
|            |                      |   |   |   | * |                    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 36.0000   |
|            |                      |   |   |   | * |                    |       |        | 50TH PERCENTILE OR MEDIAN       | 58.0000   |
|            |                      |   |   |   | * |                    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 82.0000   |
|            |                      |   |   |   | * |                    |       |        | 80TH PERCENTILE                 | 102.0000  |
|            |                      |   |   |   | * |                    |       |        | 90TH PERCENTILE                 | 136.0000  |
|            |                      |   |   |   | * |                    |       |        | 95TH PERCENTILE                 | 170.0000  |
|            |                      |   |   |   | * |                    |       |        | 98TH PERCENTILE                 | 200.0000  |
|            |                      |   |   |   | * |                    |       |        | 99TH PERCENTILE                 | 240.0000  |
|            |                      |   |   |   | * |                    |       |        | MAXIMUM VALUE                   | 240.0000  |

PERCENT

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 CU LKSD                      PPM                      ARGL

| HISTOGRAM  |                                      |    |    |    |     | SUMMARY STATISTICS |       |                                 |           |
|------------|--------------------------------------|----|----|----|-----|--------------------|-------|---------------------------------|-----------|
|            |                                      |    |    |    | N   | %                  | CUM % |                                 |           |
| **         | *                                    | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES         | 29        |
|            |                                      |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES    | 0         |
| 100 PPB *  |                                      |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES      | 29        |
| 200 PPB *  |                                      |    |    |    | *   |                    |       | ARITHMETIC MEAN                 | 72.6207   |
| 500 PPB *  |                                      |    |    |    | *   |                    |       | VARIANCE                        | 1063.1724 |
| 1 PPM *    |                                      |    |    |    | *   |                    |       | STANDARD DEVIATION              | 32.6063   |
| 2 PPM *    |                                      |    |    |    | *   |                    |       | SKEW                            | .4596     |
| 5 PPM *    |                                      |    |    |    | *   |                    |       | EXCESS KURTOSIS                 | .0333     |
| 10 PPM *   | XX                                   |    |    |    | *   | 1                  | 3.45  | COEFFICIENT OF VARIANCE, %      | 44.8995   |
| 20 PPM *   |                                      |    |    |    | *   |                    |       | STANDARD ERROR OF THE MEAN      | 6.0548    |
| 50 PPM *   | XXXXXXXXXXXX                         |    |    |    | *   | 7                  | 24.14 | LOWER 95% LIMIT ON THE MEAN     | 60.2385   |
| 100 PPM *  | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 17                 | 58.62 | UPPER 95% LIMIT ON THE MEAN     | 85.0028   |
| 200 PPM *  | XXXXXXX                              |    |    |    | *   | 4                  | 13.79 | LOWER 95% LIMIT ON THE RANGE    | 5.9408    |
| 500 PPM *  |                                      |    |    |    | *   |                    |       | UPPER 95% LIMIT ON THE RANGE    | 139.3006  |
| 1000 PPM * |                                      |    |    |    | *   |                    |       | GEOMETRIC MEAN                  | 64.4268   |
| 2000 PPM * |                                      |    |    |    | *   |                    |       | LOG10 MEAN                      | 1.8091    |
| 5000 PPM * |                                      |    |    |    | *   |                    |       | LOG10 VARIANCE                  | .0567     |
|            |                                      |    |    |    | *   |                    |       | LOG10 STANDARD DEVIATION        | .2382     |
|            |                                      |    |    |    | *   |                    |       | STANDARD ERROR ON THE MEAN      | .0442     |
|            |                                      |    |    |    | *   |                    |       | LOWER 95% LIMIT ON THE MEAN     | 52.3138   |
|            |                                      |    |    |    | *   |                    |       | UPPER 95% LIMIT ON THE MEAN     | 79.3446   |
|            |                                      |    |    |    | *   |                    |       | LOWER 95% LIMIT ON THE RANGE    | 20.9881   |
|            |                                      |    |    |    | *   |                    |       | UPPER 95% LIMIT ON THE RANGE    | 197.7695  |
| **         | *                                    | *  | *  | *  | *   |                    |       | MINIMUM VALUE                   | 10.0000   |
| 0          | 20                                   | 40 | 60 | 80 | 100 |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | 48.0000   |
|            |                                      |    |    |    |     |                    |       | 50TH PERCENTILE OR MEDIAN       | 68.0000   |
|            |                                      |    |    |    |     |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | 96.0000   |
|            |                                      |    |    |    |     |                    |       | 80TH PERCENTILE                 | 96.0000   |
|            |                                      |    |    |    |     |                    |       | 90TH PERCENTILE                 | 120.0000  |
|            |                                      |    |    |    |     |                    |       | 95TH PERCENTILE                 | 156.0000  |
|            |                                      |    |    |    |     |                    |       | 98TH PERCENTILE                 | 156.0000  |
|            |                                      |    |    |    |     |                    |       | 99TH PERCENTILE                 | 156.0000  |
|            |                                      |    |    |    |     |                    |       | MAXIMUM VALUE                   | 156.0000  |

| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| CU LKSD       | PPM                 | CHRT        |

SUMMARY STATISTICS

|                              |   |
|------------------------------|---|
| TOTAL NUMBER OF SAMPLES      | 2 |
| NUMBER OF ZERO VALUE SAMPLES | 0 |
| NUMBER OF NON-ZERO SAMPLES   | 2 |

|                    |         |
|--------------------|---------|
| ARITHMETIC MEAN    | 21.0000 |
| VARIANCE           | 98.0000 |
| STANDARD DEVIATION | 9.8995  |
| SKEW               | 0.0000  |
| EXCESS KURTOSIS    | -2.0000 |

|                            |         |
|----------------------------|---------|
| COEFFICIENT OF VARIANCE, % | 47.1405 |
|----------------------------|---------|

|                             |         |
|-----------------------------|---------|
| STANDARD ERROR OF THE MEAN  | 7.0000  |
| LOWER 95% LIMIT ON THE MEAN | -9.1210 |
| UPPER 95% LIMIT ON THE MEAN | 51.1210 |

|                              |          |
|------------------------------|----------|
| LOWER 95% LIMIT ON THE RANGE | -21.5975 |
| UPPER 95% LIMIT ON THE RANGE | 63.5975  |

|                          |         |
|--------------------------|---------|
| GEOMETRIC MEAN           | 19.7990 |
| LOG10 MEAN               | 1.2966  |
| LOG10 VARIANCE           | .0453   |
| LOG10 STANDARD DEVIATION | .2129   |

|                             |         |
|-----------------------------|---------|
| STANDARD ERROR ON THE MEAN  | .1505   |
| LOWER 95% LIMIT ON THE MEAN | 4.4563  |
| UPPER 95% LIMIT ON THE MEAN | 87.9648 |

|                              |          |
|------------------------------|----------|
| LOWER 95% LIMIT ON THE RANGE | 2.4027   |
| UPPER 95% LIMIT ON THE RANGE | 163.1478 |

|                                 |         |
|---------------------------------|---------|
| MINIMUM VALUE                   | 14.0000 |
| 25TH PERCENTILE OR 1ST QUARTILE | 14.0000 |
| 50TH PERCENTILE OR MEDIAN       | 28.0000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 28.0000 |
| 80TH PERCENTILE                 | 28.0000 |
| 90TH PERCENTILE                 | 28.0000 |
| 95TH PERCENTILE                 | 28.0000 |
| 98TH PERCENTILE                 | 28.0000 |
| 99TH PERCENTILE                 | 28.0000 |
| MAXIMUM VALUE                   | 28.0000 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 CU LKSD                      PPM                      GRNT

| HISTOGRAM  |                                      |    |    |    |    | SUMMARY STATISTICS |       |        |                                 |          |
|------------|--------------------------------------|----|----|----|----|--------------------|-------|--------|---------------------------------|----------|
|            | **                                   | *  | *  | *  | *  | N                  | %     | CUM %  |                                 |          |
|            |                                      |    |    |    | *  |                    |       |        | TOTAL NUMBER OF SAMPLES         | 66       |
| 100 PPB *  |                                      |    |    |    | *  |                    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0        |
| 200 PPB *  |                                      |    |    |    | *  |                    |       |        | NUMBER OF NON-ZERO SAMPLES      | 66       |
| 500 PPB *  |                                      |    |    |    | *  |                    |       |        | ARITHMETIC MEAN                 | 41.7273  |
| 1 PPM *    |                                      |    |    |    | *  |                    |       |        | VARIANCE                        | 345.0937 |
| 2 PPM *    |                                      |    |    |    | *  |                    |       |        | STANDARD DEVIATION              | 18.5767  |
| 5 PPM *    |                                      |    |    |    | *  |                    |       |        | SKEW                            | .7641    |
| 10 PPM *   | XX                                   |    |    |    | *  | 3                  | 4.55  | 4.55   | EXCESS KURTOSIS                 | 1.4590   |
| 20 PPM *   | XXX                                  |    |    |    | *  | 4                  | 6.06  | 10.61  | COEFFICIENT OF VARIANCE, %      | 44.5193  |
| 50 PPM *   | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *  | 41                 | 62.12 | 72.73  | STANDARD ERROR OF THE MEAN      | 2.2866   |
| 100 PPM *  | XXXXXXXXXXXXXXXXXXXX                 |    |    |    | *  | 17                 | 25.76 | 98.48  | LOWER 95% LIMIT ON THE MEAN     | 37.1613  |
| 200 PPM *  | X                                    |    |    |    | *  | 1                  | 1.52  | 100.00 | UPPER 95% LIMIT ON THE MEAN     | 46.2932  |
| 500 PPM *  |                                      |    |    |    | *  |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | 4.6333   |
| 1000 PPM * |                                      |    |    |    | *  |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 78.8212  |
| 2000 PPM * |                                      |    |    |    | *  |                    |       |        | GEOMETRIC MEAN                  | 37.3226  |
| 5000 PPM * |                                      |    |    |    | *  |                    |       |        | LOG10 MEAN                      | 1.5720   |
|            |                                      |    |    |    | *  |                    |       |        | LOG10 VARIANCE                  | .0492    |
|            |                                      |    |    |    | *  |                    |       |        | LOG10 STANDARD DEVIATION        | .2219    |
|            |                                      |    |    |    | *  |                    |       |        | STANDARD ERROR ON THE MEAN      | .0273    |
|            |                                      |    |    |    | *  |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | 32.9187  |
|            |                                      |    |    |    | *  |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 42.3157  |
|            |                                      |    |    |    | *  |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | 13.4578  |
|            |                                      |    |    |    | *  |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 103.5070 |
|            | **                                   | *  | *  | *  | *  |                    |       |        | MINIMUM VALUE                   | 8.0000   |
|            | 0                                    | 20 | 40 | 60 | 80 | 100                |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 28.0000  |
|            |                                      |    |    |    |    |                    |       |        | 50TH PERCENTILE OR MEDIAN       | 44.0000  |
|            |                                      |    |    |    |    |                    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 52.0000  |
|            |                                      |    |    |    |    |                    |       |        | 80TH PERCENTILE                 | 54.0000  |
|            |                                      |    |    |    |    |                    |       |        | 90TH PERCENTILE                 | 62.0000  |
|            |                                      |    |    |    |    |                    |       |        | 95TH PERCENTILE                 | 76.0000  |
|            |                                      |    |    |    |    |                    |       |        | 98TH PERCENTILE                 | 108.0000 |
|            |                                      |    |    |    |    |                    |       |        | 99TH PERCENTILE                 | 108.0000 |
|            |                                      |    |    |    |    |                    |       |        | MAXIMUM VALUE                   | 108.0000 |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 CU LKSD                      PPM                      GRNG

HISTOGRAM

SUMMARY STATISTICS

|            | **                           | *  | *  | *  | *  | *   | N   | %     | CUM %  |                                 |          |
|------------|------------------------------|----|----|----|----|-----|-----|-------|--------|---------------------------------|----------|
|            |                              |    |    |    |    |     |     |       |        | TOTAL NUMBER OF SAMPLES         | 284      |
|            |                              |    |    |    |    |     |     |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0        |
|            |                              |    |    |    |    |     |     |       |        | NUMBER OF NON-ZERO SAMPLES      | 284      |
| 100 PPB *  |                              |    |    |    |    | *   |     |       |        | ARITHMETIC MEAN                 | 45.1761  |
| 200 PPB *  |                              |    |    |    |    | *   |     |       |        | VARIANCE                        | 406.8240 |
| 500 PPB *  |                              |    |    |    |    | *   |     |       |        | STANDARD DEVIATION              | 20.1699  |
| 1 PPM *    |                              |    |    |    |    | *   |     |       |        | SKEW                            | .8717    |
| 2 PPM *    |                              |    |    |    |    | *   |     |       |        | EXCESS KURTOSIS                 | 1.0706   |
| 5 PPM *    |                              |    |    |    |    | *   |     |       |        | COEFFICIENT OF VARIANCE, %      | 44.6473  |
| 10 PPM *   | I                            |    |    |    |    | *   | 2   | .70   | .70    | STANDARD ERROR OF THE MEAN      | 1.1969   |
| 20 PPM *   | XXXXX                        |    |    |    |    | *   | 28  | 9.86  | 10.56  | LOWER 95% LIMIT ON THE MEAN     | 42.8199  |
| 50 PPM *   | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    |    | *   | 152 | 53.52 | 64.08  | UPPER 95% LIMIT ON THE MEAN     | 47.5322  |
| 100 PPM *  | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    |    | *   | 97  | 34.15 | 98.24  | LOWER 95% LIMIT ON THE RANGE    | 5.4688   |
| 200 PPM *  | X                            |    |    |    |    | *   | 5   | 1.76  | 100.00 | UPPER 95% LIMIT ON THE RANGE    | 84.8833  |
| 500 PPM *  |                              |    |    |    |    | *   |     |       |        | GEOMETRIC MEAN                  | 40.7621  |
| 1000 PPM * |                              |    |    |    |    | *   |     |       |        | LOG10 MEAN                      | 1.6103   |
| 2000 PPM * |                              |    |    |    |    | *   |     |       |        | LOG10 VARIANCE                  | .0415    |
| 5000 PPM * |                              |    |    |    |    | *   |     |       |        | LOG10 STANDARD DEVIATION        | .2037    |
|            |                              |    |    |    |    | *   |     |       |        | STANDARD ERROR ON THE MEAN      | .0121    |
|            |                              |    |    |    |    | *   |     |       |        | LOWER 95% LIMIT ON THE MEAN     | 38.5886  |
|            |                              |    |    |    |    | *   |     |       |        | UPPER 95% LIMIT ON THE MEAN     | 43.0581  |
|            |                              |    |    |    |    | *   |     |       |        | LOWER 95% LIMIT ON THE RANGE    | 16.1884  |
|            |                              |    |    |    |    | *   |     |       |        | UPPER 95% LIMIT ON THE RANGE    | 102.6382 |
|            | **                           | *  | *  | *  | *  | *   |     |       |        | MINIMUM VALUE                   | 10.0000  |
|            | 0                            | 20 | 40 | 60 | 80 | 100 |     |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 30.0000  |
|            |                              |    |    |    |    |     |     |       |        | 50TH PERCENTILE OR MEDIAN       | 44.0000  |
|            |                              |    |    |    |    |     |     |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 56.0000  |
|            |                              |    |    |    |    |     |     |       |        | 80TH PERCENTILE                 | 58.0000  |
|            |                              |    |    |    |    |     |     |       |        | 90TH PERCENTILE                 | 72.0000  |
|            |                              |    |    |    |    |     |     |       |        | 95TH PERCENTILE                 | 86.0000  |
|            |                              |    |    |    |    |     |     |       |        | 98TH PERCENTILE                 | 100.0000 |
|            |                              |    |    |    |    |     |     |       |        | 99TH PERCENTILE                 | 112.0000 |
|            |                              |    |    |    |    |     |     |       |        | MAXIMUM VALUE                   | 122.0000 |

PERCENT

|               |                     |             |
|---------------|---------------------|-------------|
| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
| CU LKSD       | PPM                 | UMFC        |

SUMMARY STATISTICS

|                              |   |
|------------------------------|---|
| TOTAL NUMBER OF SAMPLES      | 1 |
| NUMBER OF ZERO VALUE SAMPLES | 0 |
| NUMBER OF NON-ZERO SAMPLES   | 1 |

|                    |         |
|--------------------|---------|
| ARITHMETIC MEAN    | 58.0000 |
| VARIANCE           | .0000   |
| STANDARD DEVIATION | .0000   |
| SKEW               | .0000   |
| EXCESS KURTOSIS    | .0000   |

|                            |       |
|----------------------------|-------|
| COEFFICIENT OF VARIANCE, % | .0000 |
|----------------------------|-------|

|                             |         |
|-----------------------------|---------|
| STANDARD ERROR OF THE MEAN  | .0000   |
| LOWER 95% LIMIT ON THE MEAN | 58.0000 |
| UPPER 95% LIMIT ON THE MEAN | 58.0000 |

|                              |         |
|------------------------------|---------|
| LOWER 95% LIMIT ON THE RANGE | 58.0000 |
| UPPER 95% LIMIT ON THE RANGE | 58.0000 |

|                          |         |
|--------------------------|---------|
| GEOMETRIC MEAN           | 58.0000 |
| LOG10 MEAN               | 1.7634  |
| LOG10 VARIANCE           | .0000   |
| LOG10 STANDARD DEVIATION | .0000   |

|                             |         |
|-----------------------------|---------|
| STANDARD ERROR ON THE MEAN  | .0000   |
| LOWER 95% LIMIT ON THE MEAN | 58.0000 |
| UPPER 95% LIMIT ON THE MEAN | 58.0000 |

|                              |         |
|------------------------------|---------|
| LOWER 95% LIMIT ON THE RANGE | 58.0000 |
| UPPER 95% LIMIT ON THE RANGE | 58.0000 |

|                                 |         |
|---------------------------------|---------|
| MINIMUM VALUE                   | 58.0000 |
| 25TH PERCENTILE OR 1ST QUARTILE | 58.0000 |
| 50TH PERCENTILE OR MEDIAN       | 58.0000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 58.0000 |
| 80TH PERCENTILE                 | 58.0000 |
| 90TH PERCENTILE                 | 58.0000 |
| 95TH PERCENTILE                 | 58.0000 |
| 98TH PERCENTILE                 | 58.0000 |
| 99TH PERCENTILE                 | 58.0000 |
| MAXIMUM VALUE                   | 58.0000 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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| VARIABLE NAME<br>CU LKSD | UNIT OF MEASUREMENT<br>PPM | DATA SUBSET<br>CGLM    | HISTOGRAM |       |        | SUMMARY STATISTICS              |          |
|--------------------------|----------------------------|------------------------|-----------|-------|--------|---------------------------------|----------|
|                          |                            |                        | N         | %     | CUM %  |                                 |          |
| 1 PPM                    | *                          |                        | 1         | 4.00  | 4.00   | TOTAL NUMBER OF SAMPLES         | 25       |
| 2 PPM                    | *                          |                        |           |       |        | NUMBER OF ZERO VALUE SAMPLES    | 1        |
| 5 PPM                    | *                          |                        |           |       |        | NUMBER OF NON-ZERO SAMPLES      | 24       |
| 10 PPM                   | *                          |                        |           |       |        | ARITHMETIC MEAN                 | 58.0833  |
| 20 PPM                   | *                          |                        |           |       |        | VARIANCE                        | 600.8623 |
| 50 PPM                   | *                          | XXXXXXXXXXXXXXXXXXXXXX | 10        | 40.00 | 44.00  | STANDARD DEVIATION              | 24.5125  |
| 100 PPM                  | *                          | XXXXXXXXXXXXXXXXXXXXXX | 13        | 52.00 | 96.00  | SKEW                            | .9323    |
| 200 PPM                  | *                          | XX                     | 1         | 4.00  | 100.00 | EXCESS KURTOSIS                 | .6028    |
| 500 PPM                  | *                          |                        |           |       |        | COEFFICIENT OF VARIANCE, %      | 42.2023  |
| 1000 PPM                 | *                          |                        |           |       |        | STANDARD ERROR OF THE MEAN      | 5.0036   |
| 2000 PPM                 | *                          |                        |           |       |        | LOWER 95% LIMIT ON THE MEAN     | 47.7559  |
| 5000 PPM                 | *                          |                        |           |       |        | UPPER 95% LIMIT ON THE MEAN     | 68.4107  |
|                          |                            |                        |           |       |        | LOWER 95% LIMIT ON THE RANGE    | 7.4895   |
|                          |                            |                        |           |       |        | UPPER 95% LIMIT ON THE RANGE    | 108.6771 |
|                          |                            |                        |           |       |        | GEOMETRIC MEAN                  | 53.5621  |
|                          |                            |                        |           |       |        | LOG10 MEAN                      | 1.7289   |
|                          |                            |                        |           |       |        | LOG10 VARIANCE                  | .0317    |
|                          |                            |                        |           |       |        | LOG10 STANDARD DEVIATION        | .1781    |
|                          |                            |                        |           |       |        | STANDARD ERROR ON THE MEAN      | .0364    |
|                          |                            |                        |           |       |        | LOWER 95% LIMIT ON THE MEAN     | 45.0624  |
|                          |                            |                        |           |       |        | UPPER 95% LIMIT ON THE MEAN     | 63.6652  |
|                          |                            |                        |           |       |        | LOWER 95% LIMIT ON THE RANGE    | 22.9730  |
|                          |                            |                        |           |       |        | UPPER 95% LIMIT ON THE RANGE    | 124.8814 |
|                          |                            |                        |           |       |        | MINIMUM VALUE                   | 28.0000  |
|                          |                            |                        |           |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 38.0000  |
|                          |                            |                        |           |       |        | 50TH PERCENTILE OR MEDIAN       | 58.0000  |
|                          |                            |                        |           |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 70.0000  |
|                          |                            |                        |           |       |        | 80TH PERCENTILE                 | 82.0000  |
|                          |                            |                        |           |       |        | 90TH PERCENTILE                 | 96.0000  |
|                          |                            |                        |           |       |        | 95TH PERCENTILE                 | 126.0000 |
|                          |                            |                        |           |       |        | 98TH PERCENTILE                 | 126.0000 |
|                          |                            |                        |           |       |        | 99TH PERCENTILE                 | 126.0000 |
|                          |                            |                        |           |       |        | MAXIMUM VALUE                   | 126.0000 |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 CU LKSD                      PPM                      GRCK

| HISTOGRAM |                                      |    |    |    |    | SUMMARY STATISTICS |       |        |                                 |          |
|-----------|--------------------------------------|----|----|----|----|--------------------|-------|--------|---------------------------------|----------|
|           | **                                   | *  | *  | *  | *  | N                  | %     | CUM %  |                                 |          |
| 1 PPM *   |                                      |    |    |    | *  |                    |       |        | TOTAL NUMBER OF SAMPLES         | 45       |
| 2 PPM *   |                                      |    |    |    | *  |                    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0        |
| 5 PPM *   |                                      |    |    |    | *  |                    |       |        | NUMBER OF NON-ZERO SAMPLES      | 45       |
| 10 PPM *  |                                      |    |    |    | *  |                    |       |        | ARITHMETIC MEAN                 | 42.2667  |
| 20 PPM *  | XXX                                  |    |    |    | *  | 3                  | 6.67  | 6.67   | VARIANCE                        | 285.3818 |
| 50 PPM *  | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *  | 31                 | 68.89 | 75.56  | STANDARD DEVIATION              | 16.8932  |
| 100 PPM * | XXXXXXXXXXXX                         |    |    |    | *  | 11                 | 24.44 | 100.00 | SKEW                            | .7517    |
| 200 PPM * |                                      |    |    |    | *  |                    |       |        | EXCESS KURTOSIS                 | .3584    |
| 500 PPM * |                                      |    |    |    | *  |                    |       |        | COEFFICIENT OF VARIANCE, %      | 39.9683  |
|           | **                                   | *  | *  | *  | *  |                    |       |        | STANDARD ERROR OF THE MEAN      | 2.5183   |
|           | 0                                    | 20 | 40 | 60 | 80 | 100                |       |        | LOWER 95% LIMIT ON THE MEAN     | 37.1936  |
|           |                                      |    |    |    |    |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 47.3398  |
|           |                                      |    |    |    |    |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | 8.2352   |
|           |                                      |    |    |    |    |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 76.2981  |
|           |                                      |    |    |    |    |                    |       |        | GEOMETRIC MEAN                  | 39.1071  |
|           |                                      |    |    |    |    |                    |       |        | LOG10 MEAN                      | 1.5923   |
|           |                                      |    |    |    |    |                    |       |        | LOG10 VARIANCE                  | .0305    |
|           |                                      |    |    |    |    |                    |       |        | LOG10 STANDARD DEVIATION        | .1747    |
|           |                                      |    |    |    |    |                    |       |        | STANDARD ERROR ON THE MEAN      | .0260    |
|           |                                      |    |    |    |    |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | 34.6560  |
|           |                                      |    |    |    |    |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 44.1299  |
|           |                                      |    |    |    |    |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | 17.3871  |
|           |                                      |    |    |    |    |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 87.9598  |
|           |                                      |    |    |    |    |                    |       |        | MINIMUM VALUE                   | 20.0000  |
|           |                                      |    |    |    |    |                    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 28.0000  |
|           |                                      |    |    |    |    |                    |       |        | 50TH PERCENTILE OR MEDIAN       | 40.0000  |
|           |                                      |    |    |    |    |                    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 54.0000  |
|           |                                      |    |    |    |    |                    |       |        | 80TH PERCENTILE                 | 56.0000  |
|           |                                      |    |    |    |    |                    |       |        | 90TH PERCENTILE                 | 62.0000  |
|           |                                      |    |    |    |    |                    |       |        | 95TH PERCENTILE                 | 78.0000  |
|           |                                      |    |    |    |    |                    |       |        | 98TH PERCENTILE                 | 92.0000  |
|           |                                      |    |    |    |    |                    |       |        | 99TH PERCENTILE                 | 92.0000  |
|           |                                      |    |    |    |    |                    |       |        | MAXIMUM VALUE                   | 92.0000  |

VARIABLE NAME      UNIT OF MEASUREMENT  
 CU LKSD              PPM

DATA SUBSET  
 BEXV

HISTOGRAM

SUMMARY STATISTICS

|  | N | % | CUM % |                                 |
|--|---|---|-------|---------------------------------|
| **      *      *      *      *             |   |   |       | TOTAL NUMBER OF SAMPLES         |
|  |   |   |       | NUMBER OF ZERO VALUE SAMPLES    |
| 1 PPM *                                    |   |   |       | NUMBER OF NON-ZERO SAMPLES      |
| 2 PPM *                                    |   |   |       |                                 |
| 5 PPM *                                    |   |   |       | ARITHMETIC MEAN                 |
| 10 PPM *                                   |   |   |       | VARIANCE                        |
| 20 PPM *                                   |   |   |       | STANDARD DEVIATION              |
| 50 PPM *                                   |   |   |       | SKEW                            |
| 100 PPM *                                  |   |   |       | EXCESS KURTOSIS                 |
| 200 PPM *                                  |   |   |       |                                 |
| 500 PPM *                                  |   |   |       | COEFFICIENT OF VARIANCE, %      |
| 1000 PPM *                                 |   |   |       | STANDARD ERROR OF THE MEAN      |
| 2000 PPM *                                 |   |   |       | LOWER 95% LIMIT ON THE MEAN     |
| 5000 PPM *                                 |   |   |       | UPPER 95% LIMIT ON THE MEAN     |
| **      *      *      *      *             |   |   |       | LOWER 95% LIMIT ON THE RANGE    |
| 0      20      40      60      80      100 |   |   |       | UPPER 95% LIMIT ON THE RANGE    |
|  |   |   |       |                                 |
|  |   |   |       | GEOMETRIC MEAN                  |
|  |   |   |       | LOG10 MEAN                      |
|  |   |   |       | LOG10 VARIANCE                  |
|  |   |   |       | LOG10 STANDARD DEVIATION        |
|  |   |   |       |                                 |
|  |   |   |       | STANDARD ERROR ON THE MEAN      |
|  |   |   |       | LOWER 95% LIMIT ON THE MEAN     |
|  |   |   |       | UPPER 95% LIMIT ON THE MEAN     |
|  |   |   |       |                                 |
|  |   |   |       | LOWER 95% LIMIT ON THE RANGE    |
|  |   |   |       | UPPER 95% LIMIT ON THE RANGE    |
|  |   |   |       |                                 |
|  |   |   |       | MINIMUM VALUE                   |
|  |   |   |       | 25TH PERCENTILE OR 1ST QUANTILE |
|  |   |   |       | 50TH PERCENTILE OR MEDIAN       |
|  |   |   |       | 75TH PERCENTILE OR 3RD QUANTILE |
|  |   |   |       | 80TH PERCENTILE                 |
|  |   |   |       | 90TH PERCENTILE                 |
|  |   |   |       | 95TH PERCENTILE                 |
|  |   |   |       | 98TH PERCENTILE                 |
|  |   |   |       | 99TH PERCENTILE                 |
|  |   |   |       | MAXIMUM VALUE                   |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 CU LKSD                      PPM                      MVCC

HISTOGRAM

SUMMARY STATISTICS

|            | **                           | *  | *  | *  | *  | *   | N  | %     | CUM %  |                                 |          |
|------------|------------------------------|----|----|----|----|-----|----|-------|--------|---------------------------------|----------|
|            |                              |    |    |    |    |     |    |       |        | TOTAL NUMBER OF SAMPLES         | 42       |
|            |                              |    |    |    |    |     |    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0        |
|            |                              |    |    |    |    |     |    |       |        | NUMBER OF NON-ZERO SAMPLES      | 42       |
| 1 PPM *    |                              |    |    |    |    | *   |    |       |        | ARITHMETIC MEAN                 | 53.7143  |
| 2 PPM *    |                              |    |    |    |    | *   |    |       |        | VARIANCE                        | 991.3310 |
| 5 PPM *    |                              |    |    |    |    | *   |    |       |        | STANDARD DEVIATION              | 31.4854  |
| 10 PPM *   |                              |    |    |    |    | *   |    |       |        | SKEW                            | 1.0578   |
| 20 PPM *   | XXXXXX                       |    |    |    |    | *   | 5  | 11.90 | 11.90  | EXCESS KURTOSIS                 | .6472    |
| 50 PPM *   | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    |    | *   | 19 | 45.24 | 57.14  | COEFFICIENT OF VARIANCE, %      | 58.6165  |
| 100 PPM *  | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    |    | *   | 14 | 33.33 | 90.48  | STANDARD ERROR OF THE MEAN      | 4.8583   |
| 200 PPM *  | XXXXXX                       |    |    |    |    | *   | 4  | 9.52  | 100.00 | LOWER 95% LIMIT ON THE MEAN     | 43.9083  |
| 500 PPM *  |                              |    |    |    |    | *   |    |       |        | UPPER 95% LIMIT ON THE MEAN     | 63.5203  |
| 1000 PPM * |                              |    |    |    |    | *   |    |       |        | LOWER 95% LIMIT ON THE RANGE    | -9.8359  |
| 2000 PPM * |                              |    |    |    |    | *   |    |       |        | UPPER 95% LIMIT ON THE RANGE    | 117.2644 |
| 5000 PPM * |                              |    |    |    |    | *   |    |       |        | GEOMETRIC MEAN                  | 45.6171  |
|            |                              |    |    |    |    | *   |    |       |        | LOG10 MEAN                      | 1.6591   |
|            |                              |    |    |    |    | *   |    |       |        | LOG10 VARIANCE                  | .0651    |
|            |                              |    |    |    |    | *   |    |       |        | LOG10 STANDARD DEVIATION        | .2551    |
|            | **                           | *  | *  | *  | *  | *   |    |       |        | STANDARD ERROR ON THE MEAN      | .0394    |
|            | 0                            | 20 | 40 | 60 | 80 | 100 |    |       |        | LOWER 95% LIMIT ON THE MEAN     | 37.9917  |
|            |                              |    |    |    |    |     |    |       |        | UPPER 95% LIMIT ON THE MEAN     | 54.7731  |
|            |                              |    |    |    |    |     |    |       |        | LOWER 95% LIMIT ON THE RANGE    | 13.9412  |
|            |                              |    |    |    |    |     |    |       |        | UPPER 95% LIMIT ON THE RANGE    | 149.2642 |
|            |                              |    |    |    |    |     |    |       |        | MINIMUM VALUE                   | 12.0000  |
|            |                              |    |    |    |    |     |    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 32.0000  |
|            |                              |    |    |    |    |     |    |       |        | 50TH PERCENTILE OR MEDIAN       | 46.0000  |
|            |                              |    |    |    |    |     |    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 74.0000  |
|            |                              |    |    |    |    |     |    |       |        | 80TH PERCENTILE                 | 80.0000  |
|            |                              |    |    |    |    |     |    |       |        | 90TH PERCENTILE                 | 104.0000 |
|            |                              |    |    |    |    |     |    |       |        | 95TH PERCENTILE                 | 130.0000 |
|            |                              |    |    |    |    |     |    |       |        | 98TH PERCENTILE                 | 144.0000 |
|            |                              |    |    |    |    |     |    |       |        | 99TH PERCENTILE                 | 144.0000 |
|            |                              |    |    |    |    |     |    |       |        | MAXIMUM VALUE                   | 144.0000 |

PERCENT

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 CU LKSD                      PPM                      UKNN

| HISTOGRAM  |                         |    |    |    |     | SUMMARY STATISTICS |       |                                 |           |
|------------|-------------------------|----|----|----|-----|--------------------|-------|---------------------------------|-----------|
|            |                         |    |    |    | N   | %                  | CUM % |                                 |           |
| **         | *                       | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES         | 73        |
| 1 PPM *    |                         |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES    | 0         |
| 2 PPM *    |                         |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES      | 73        |
| 5 PPM *    |                         |    |    |    | *   |                    |       | ARITHMETIC MEAN                 | 64.1233   |
| 10 PPM *   |                         |    |    |    | *   |                    |       | VARIANCE                        | 1620.6651 |
| 20 PPM *   | X                       |    |    |    | *   | 2                  | 2.74  | STANDARD DEVIATION              | 40.2575   |
| 50 PPM *   | XXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 30                 | 41.10 | SKEW                            | 2.4120    |
| 100 PPM *  | XXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 32                 | 43.84 | EXCESS KURTOSIS                 | 8.0032    |
| 200 PPM *  | XXXXX                   |    |    |    | *   | 8                  | 10.96 | COEFFICIENT OF VARIANCE, %      | 62.7814   |
| 500 PPM *  | X                       |    |    |    | *   | 1                  | 1.37  | STANDARD ERROR OF THE MEAN      | 4.7118    |
| 1000 PPM * |                         |    |    |    | *   |                    |       | LOWER 95% LIMIT ON THE MEAN     | 54.7324   |
| 2000 PPM * |                         |    |    |    | *   |                    |       | UPPER 95% LIMIT ON THE MEAN     | 73.5142   |
| 5000 PPM * |                         |    |    |    | *   |                    |       | LOWER 95% LIMIT ON THE RANGE    | -16.1126  |
|            |                         |    |    |    | *   |                    |       | UPPER 95% LIMIT ON THE RANGE    | 144.3591  |
|            |                         |    |    |    | *   |                    |       | GEOMETRIC MEAN                  | 55.4624   |
|            |                         |    |    |    | *   |                    |       | LOG10 MEAN                      | 1.7440    |
|            |                         |    |    |    | *   |                    |       | LOG10 VARIANCE                  | .0522     |
|            |                         |    |    |    | *   |                    |       | LOG10 STANDARD DEVIATION        | .2285     |
| **         | *                       | *  | *  | *  | *   |                    |       | STANDARD ERROR ON THE MEAN      | .0267     |
| 0          | 20                      | 40 | 60 | 80 | 100 |                    |       | LOWER 95% LIMIT ON THE MEAN     | 49.0567   |
|            |                         |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE MEAN     | 62.7046   |
|            |                         |    |    |    |     |                    |       | LOWER 95% LIMIT ON THE RANGE    | 19.4356   |
|            |                         |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE RANGE    | 158.2707  |
|            |                         |    |    |    |     |                    |       | MINIMUM VALUE                   | 14.0000   |
|            |                         |    |    |    |     |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | 38.0000   |
|            |                         |    |    |    |     |                    |       | 50TH PERCENTILE OR MEDIAN       | 56.0000   |
|            |                         |    |    |    |     |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | 76.0000   |
|            |                         |    |    |    |     |                    |       | 80TH PERCENTILE                 | 78.0000   |
|            |                         |    |    |    |     |                    |       | 90TH PERCENTILE                 | 128.0000  |
|            |                         |    |    |    |     |                    |       | 95TH PERCENTILE                 | 140.0000  |
|            |                         |    |    |    |     |                    |       | 98TH PERCENTILE                 | 265.0000  |
|            |                         |    |    |    |     |                    |       | 99TH PERCENTILE                 | 265.0000  |
|            |                         |    |    |    |     |                    |       | MAXIMUM VALUE                   | 265.0000  |

PERCENT



SUMMARY STATISTICS

| SUBSET | VARIABLE | UNITS | N   | ARITH<br>MEAN | STD<br>DEV | CV % | SKEW | EXCESS<br>KURT | 95% LIMITS<br>ON MEAN | GEOM<br>MEAN | LOG 10<br>MEAN | STD<br>DEV | 95% LIMITS<br>ON MEAN |      |      |
|--------|----------|-------|-----|---------------|------------|------|------|----------------|-----------------------|--------------|----------------|------------|-----------------------|------|------|
| DIBS   | CU LKSD  | PPM   | 253 | 126.          | 113.       | 90.0 | 4.00 | 25.01          | 112.                  | 139.         | 96.6           | 1.9848     | .3142                 | 88.3 | 106. |
| SMRK   | CU LKSD  | PPM   | 94  | 68.0          | 46.8       | 68.9 | 1.31 | 1.72           | 58.4                  | 77.6         | 52.9           | 1.7234     | .3395                 | 45.1 | 62.1 |
| ARGL   | CU LKSD  | PPM   | 29  | 72.6          | 32.6       | 44.9 | .46  | .03            | 60.2                  | 85.0         | 64.4           | 1.8091     | .2382                 | 52.3 | 79.3 |
| CHRT   | CU LKSD  | PPM   | 2   | 21.0          | 9.90       | 47.1 | 0.00 | -2.00          | -9.12                 | 51.1         | 19.8           | 1.2966     | .2129                 | 4.46 | 88.0 |
| GRNT   | CU LKSD  | PPM   | 66  | 41.7          | 18.6       | 44.5 | .76  | 1.46           | 37.2                  | 46.3         | 37.3           | 1.5720     | .2219                 | 32.9 | 42.3 |
| GRNG   | CU LKSD  | PPM   | 284 | 45.2          | 20.2       | 44.6 | .87  | 1.07           | 42.8                  | 47.5         | 40.8           | 1.6103     | .2037                 | 38.6 | 43.1 |
| UMFC   | CU LKSD  | PPM   | 1   | 58.0          | .100E-05   | .0   | .00  | .00            | 58.0                  | 58.0         | 58.0           | 1.7634     | .0000                 | 58.0 | 58.0 |
| CGLM   | CU LKSD  | PPM   | 24  | 58.1          | 24.5       | 42.2 | .93  | .60            | 47.8                  | 68.4         | 53.6           | 1.7289     | .1781                 | 45.1 | 63.7 |
| GRCK   | CU LKSD  | PPM   | 45  | 42.3          | 16.9       | 40.0 | .75  | .36            | 37.2                  | 47.3         | 39.1           | 1.5923     | .1747                 | 34.7 | 44.1 |
| BEXV   | CU LKSD  | PPM   | 8   | 65.8          | 30.4       | 46.2 | .77  | -.56           | 41.0                  | 90.5         | 60.2           | 1.7793     | .1945                 | 41.8 | 86.7 |
| MVCC   | CU LKSD  | PPM   | 42  | 53.7          | 31.5       | 58.6 | 1.06 | .65            | 43.9                  | 63.5         | 45.6           | 1.6591     | .2551                 | 38.0 | 54.8 |
| UKNN   | CU LKSD  | PPM   | 73  | 64.1          | 40.3       | 62.8 | 2.41 | 8.00           | 54.7                  | 73.5         | 55.5           | 1.7440     | .2285                 | 49.1 | 62.7 |

| SUBSET | VARIABLE | UNITS | N   | MIN<br>VALUE | ----- PERCENTILE ----- |        |         |         |         |         |         |         |          | MAX<br>VALUE |
|--------|----------|-------|-----|--------------|------------------------|--------|---------|---------|---------|---------|---------|---------|----------|--------------|
|        |          |       |     |              | 25TH                   | 50TH   | 75TH    | 80TH    | 90TH    | 95TH    | 98TH    | 99TH    |          |              |
| DIBS   | CU LKSD  | PPM   | 253 | 12.000       | 62.000                 | 96.000 | 146.000 | 168.000 | 230.000 | 340.000 | 415.000 | 495.000 | 1080.000 |              |
| SMRK   | CU LKSD  | PPM   | 94  | 2.000        | 36.000                 | 58.000 | 82.000  | 102.000 | 136.000 | 170.000 | 200.000 | 240.000 | 240.000  |              |
| ARGL   | CU LKSD  | PPM   | 29  | 10.000       | 48.000                 | 68.000 | 96.000  | 96.000  | 120.000 | 156.000 | 156.000 | 156.000 | 156.000  |              |
| CHRT   | CU LKSD  | PPM   | 2   | 14.000       | 14.000                 | 28.000 | 28.000  | 28.000  | 28.000  | 28.000  | 28.000  | 28.000  | 28.000   |              |
| GRNT   | CU LKSD  | PPM   | 66  | 8.000        | 28.000                 | 44.000 | 52.000  | 54.000  | 62.000  | 76.000  | 108.000 | 108.000 | 108.000  |              |
| GRNG   | CU LKSD  | PPM   | 284 | 10.000       | 30.000                 | 44.000 | 56.000  | 58.000  | 72.000  | 86.000  | 100.000 | 112.000 | 122.000  |              |
| UMFC   | CU LKSD  | PPM   | 1   | 58.000       | 58.000                 | 58.000 | 58.000  | 58.000  | 58.000  | 58.000  | 58.000  | 58.000  | 58.000   |              |
| CGLM   | CU LKSD  | PPM   | 24  | 28.000       | 38.000                 | 58.000 | 70.000  | 82.000  | 96.000  | 126.000 | 126.000 | 126.000 | 126.000  |              |
| GRCK   | CU LKSD  | PPM   | 45  | 20.000       | 28.000                 | 40.000 | 54.000  | 56.000  | 62.000  | 78.000  | 92.000  | 92.000  | 92.000   |              |
| BEXV   | CU LKSD  | PPM   | 8   | 32.000       | 46.000                 | 60.000 | 96.000  | 96.000  | 122.000 | 122.000 | 122.000 | 122.000 | 122.000  |              |
| MVCC   | CU LKSD  | PPM   | 42  | 12.000       | 32.000                 | 46.000 | 74.000  | 80.000  | 104.000 | 130.000 | 144.000 | 144.000 | 144.000  |              |
| UKNN   | CU LKSD  | PPM   | 73  | 14.000       | 38.000                 | 56.000 | 76.000  | 78.000  | 128.000 | 140.000 | 265.000 | 265.000 | 265.000  |              |

| VARIABLE NAME |      | UNIT OF MEASUREMENT | DATA SUBSET |   |    |       |                    | SUMMARY STATISTICS              |         |
|---------------|------|---------------------|-------------|---|----|-------|--------------------|---------------------------------|---------|
| PB            | LKSD | PPM                 | DIBS        |   |    |       |                    |                                 |         |
| HISTOGRAM     |      |                     |             |   |    |       | SUMMARY STATISTICS |                                 |         |
| **            | *    | *                   | *           | * | N  | %     | CUM %              |                                 |         |
| 10            | PPB  | *                   | *           | * |    |       |                    | TOTAL NUMBER OF SAMPLES         | 253     |
|               |      |                     |             |   |    |       |                    | NUMBER OF ZERO VALUE SAMPLES    | 0       |
|               |      |                     |             |   |    |       |                    | NUMBER OF NON-ZERO SAMPLES      | 253     |
| 20            | PPB  | *                   | *           | * |    |       |                    | ARITHMETIC MEAN                 | 4.3281  |
| 50            | PPB  | *                   | *           | * |    |       |                    | VARIANCE                        | 11.8721 |
| 100           | PPB  | *                   | *           | * |    |       |                    | STANDARD DEVIATION              | 3.4456  |
| 200           | PPB  | *                   | *           | * |    |       |                    | SKEW                            | 1.5937  |
| 500           | PPB  | *                   | *           | * |    |       |                    | EXCESS KURTOSIS                 | 2.2047  |
|               |      |                     |             |   |    |       |                    | COEFFICIENT OF VARIANCE, %      | 79.6105 |
| 1             | PPM  | *                   | *           | * | 37 | 14.62 | 14.62              | STANDARD ERROR OF THE MEAN      | .2166   |
| 2             | PPM  | *                   | *           | * | 61 | 24.11 | 38.74              | LOWER 95% LIMIT ON THE MEAN     | 3.9013  |
| 5             | PPM  | *                   | *           | * | 92 | 36.36 | 75.10              | UPPER 95% LIMIT ON THE MEAN     | 4.7548  |
| 10            | PPM  | *                   | *           | * | 42 | 16.60 | 91.70              | LOWER 95% LIMIT ON THE RANGE    | -2.4593 |
| 20            | PPM  | *                   | *           | * | 21 | 8.30  | 100.00             | UPPER 95% LIMIT ON THE RANGE    | 11.1155 |
| 50            | PPM  | *                   | *           | * |    |       |                    | GEOMETRIC MEAN                  | 3.2828  |
| 100           | PPM  | *                   | *           | * |    |       |                    | LOG10 MEAN                      | .5162   |
| 200           | PPM  | *                   | *           | * |    |       |                    | LOG10 VARIANCE                  | .1049   |
| 500           | PPM  | *                   | *           | * |    |       |                    | LOG10 STANDARD DEVIATION        | .3239   |
|               |      |                     |             |   |    |       |                    | STANDARD ERROR ON THE MEAN      | .0204   |
|               |      |                     |             |   |    |       |                    | LOWER 95% LIMIT ON THE MEAN     | 2.9931  |
|               |      |                     |             |   |    |       |                    | UPPER 95% LIMIT ON THE MEAN     | 3.6004  |
|               |      |                     |             |   |    |       |                    | LOWER 95% LIMIT ON THE RANGE    | .7554   |
|               |      |                     |             |   |    |       |                    | UPPER 95% LIMIT ON THE RANGE    | 14.2664 |
| PERCENT       |      |                     |             |   |    |       |                    |                                 |         |
|               |      |                     |             |   |    |       |                    | MINIMUM VALUE                   | 1.0000  |
|               |      |                     |             |   |    |       |                    | 25TH PERCENTILE OR 1ST QUARTILE | 2.0000  |
|               |      |                     |             |   |    |       |                    | 50TH PERCENTILE OR MEDIAN       | 3.0000  |
|               |      |                     |             |   |    |       |                    | 75TH PERCENTILE OR 3RD QUARTILE | 6.0000  |
|               |      |                     |             |   |    |       |                    | 80TH PERCENTILE                 | 6.0000  |
|               |      |                     |             |   |    |       |                    | 90TH PERCENTILE                 | 9.0000  |
|               |      |                     |             |   |    |       |                    | 95TH PERCENTILE                 | 12.0000 |
|               |      |                     |             |   |    |       |                    | 98TH PERCENTILE                 | 15.0000 |
|               |      |                     |             |   |    |       |                    | 99TH PERCENTILE                 | 16.0000 |
|               |      |                     |             |   |    |       |                    | MAXIMUM VALUE                   | 17.0000 |

| VARIABLE NAME |                              | UNIT OF MEASUREMENT | DATA SUBSET |    |       | SUMMARY STATISTICS |  |
|---------------|------------------------------|---------------------|-------------|----|-------|--------------------|--|
| PB            | LKSD                         | PPM                 | SMRK        |    |       |                    |  |
| HISTOGRAM     |                              |                     |             | N  | %     | CUM %              |  |
| **            | *                            | *                   | *           | *  | *     | *                  |  |
| 10 PPB        | *                            |                     |             |    |       |                    | TOTAL NUMBER OF SAMPLES 94             |
| 20 PPB        | *                            |                     |             |    |       |                    | NUMBER OF ZERO VALUE SAMPLES 0         |
| 50 PPB        | *                            |                     |             |    |       |                    | NUMBER OF NON-ZERO SAMPLES 94          |
| 100 PPB       | *                            |                     |             |    |       |                    | ARITHMETIC MEAN 6.4362                 |
| 200 PPB       | *                            |                     |             |    |       |                    | VARIANCE 297.8830                      |
| 500 PPB       | *                            |                     |             |    |       |                    | STANDARD DEVIATION 17.2593             |
| 1 PPM         | XXXXX                        |                     | *           | 9  | 9.57  | 9.57               | SKEW 8.6164                            |
| 2 PPM         | XXXXXXXXXX                   |                     | *           | 17 | 18.09 | 27.66              | EXCESS KURTOSIS 76.5566                |
| 5 PPM         | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |                     | *           | 47 | 50.00 | 77.66              | COEFFICIENT OF VARIANCE, % 268.1608    |
| 10 PPM        | XXXXXXXXXX                   |                     | *           | 17 | 18.09 | 95.74              | STANDARD ERROR OF THE MEAN 1.7802      |
| 20 PPM        | X                            |                     | *           | 2  | 2.13  | 97.87              | LOWER 95% LIMIT ON THE MEAN 2.9009     |
| 50 PPM        | X                            |                     | *           | 1  | 1.06  | 98.94              | UPPER 95% LIMIT ON THE MEAN 9.9714     |
| 100 PPM       | X                            |                     | *           | 1  | 1.06  | 100.00             | LOWER 95% LIMIT ON THE RANGE -27.8394  |
| 200 PPM       |                              |                     | *           |    |       |                    | UPPER 95% LIMIT ON THE RANGE 40.7117   |
| 500 PPM       |                              |                     | *           |    |       |                    | GEOMETRIC MEAN 3.8048                  |
| 1000 PPM      |                              |                     | *           |    |       |                    | LOG10 MEAN .5803                       |
| 2000 PPM      |                              |                     | *           |    |       |                    | LOG10 VARIANCE .1189                   |
| 5000 PPM      |                              |                     | *           |    |       |                    | LOG10 STANDARD DEVIATION .3449         |
|               |                              |                     | *           |    |       |                    | STANDARD ERROR ON THE MEAN .0356       |
|               |                              |                     | *           |    |       |                    | LOWER 95% LIMIT ON THE MEAN 3.2337     |
|               |                              |                     | *           |    |       |                    | UPPER 95% LIMIT ON THE MEAN 4.4769     |
|               |                              |                     | *           |    |       |                    | LOWER 95% LIMIT ON THE RANGE .7861     |
|               |                              |                     | *           |    |       |                    | UPPER 95% LIMIT ON THE RANGE 18.4158   |
|               |                              |                     | *           |    |       |                    | MINIMUM VALUE 1.0000                   |
|               |                              |                     | *           |    |       |                    | 25TH PERCENTILE OR 1ST QUARTILE 2.0000 |
|               |                              |                     | *           |    |       |                    | 50TH PERCENTILE OR MEDIAN 4.0000       |
|               |                              |                     | *           |    |       |                    | 75TH PERCENTILE OR 3RD QUARTILE 5.0000 |
|               |                              |                     | *           |    |       |                    | 80TH PERCENTILE 7.0000                 |
|               |                              |                     | *           |    |       |                    | 90TH PERCENTILE 10.0000                |
|               |                              |                     | *           |    |       |                    | 95TH PERCENTILE 10.0000                |
|               |                              |                     | *           |    |       |                    | 98TH PERCENTILE 40.0000                |
|               |                              |                     | *           |    |       |                    | 99TH PERCENTILE 166.0000               |
|               |                              |                     | *           |    |       |                    | MAXIMUM VALUE 166.0000                 |
| **            | *                            | *                   | *           | *  | *     | *                  |  |
| 0             | 20                           | 40                  | 60          | 80 | 100   |                    |  |
| PERCENT       |                              |                     |             |    |       |                    |  |



| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| PB LKSD       | PPM                 | CHRT        |

SUMMARY STATISTICS

|                                 |          |
|---------------------------------|----------|
| TOTAL NUMBER OF SAMPLES         | 2        |
| NUMBER OF ZERO VALUE SAMPLES    | 0        |
| NUMBER OF NON-ZERO SAMPLES      | 2        |
| ARITHMETIC MEAN                 | 4.0000   |
| VARIANCE                        | 18.0000  |
| STANDARD DEVIATION              | 4.2426   |
| SKEW                            | 0.0000   |
| EXCESS KURTOSIS                 | -2.0000  |
| COEFFICIENT OF VARIANCE, %      | 106.0660 |
| STANDARD ERROR OF THE MEAN      | 3.0000   |
| LOWER 95% LIMIT ON THE MEAN     | -8.9090  |
| UPPER 95% LIMIT ON THE MEAN     | 16.9090  |
| LOWER 95% LIMIT ON THE RANGE    | -14.2561 |
| UPPER 95% LIMIT ON THE RANGE    | 22.2561  |
| GEOMETRIC MEAN                  | 2.6458   |
| LOG10 MEAN                      | .4225    |
| LOG10 VARIANCE                  | .3571    |
| LOG10 STANDARD DEVIATION        | .5976    |
| STANDARD ERROR ON THE MEAN      | .4225    |
| LOWER 95% LIMIT ON THE MEAN     | .0402    |
| UPPER 95% LIMIT ON THE MEAN     | 174.0915 |
| LOWER 95% LIMIT ON THE RANGE    | .0071    |
| UPPER 95% LIMIT ON THE RANGE    | 986.0804 |
| MINIMUM VALUE                   | 1.0000   |
| 25TH PERCENTILE OR 1ST QUARTILE | 1.0000   |
| 50TH PERCENTILE OR MEDIAN       | 7.0000   |
| 75TH PERCENTILE OR 3RD QUARTILE | 7.0000   |
| 80TH PERCENTILE                 | 7.0000   |
| 90TH PERCENTILE                 | 7.0000   |
| 95TH PERCENTILE                 | 7.0000   |
| 98TH PERCENTILE                 | 7.0000   |
| 99TH PERCENTILE                 | 7.0000   |
| MAXIMUM VALUE                   | 7.0000   |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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| VARIABLE NAME |      | UNIT OF MEASUREMENT  | DATA SUBSET |    |                    |       |                              | SUMMARY STATISTICS              |         |
|---------------|------|----------------------|-------------|----|--------------------|-------|------------------------------|---------------------------------|---------|
| PB            | LKSD | PPM                  | GRNT        |    |                    |       |                              |                                 |         |
| HISTOGRAM     |      |                      |             |    | SUMMARY STATISTICS |       |                              |                                 |         |
|               |      |                      |             | N  | %                  | CUM % |                              |                                 |         |
| **            | *    | *                    | *           | *  | *                  | *     | TOTAL NUMBER OF SAMPLES      | 66                              |         |
|               |      |                      |             |    |                    |       | NUMBER OF ZERO VALUE SAMPLES | 0                               |         |
| 10 PPB        | *    |                      |             |    |                    |       | NUMBER OF NON-ZERO SAMPLES   | 66                              |         |
| 20 PPB        | *    |                      |             |    |                    |       |                              |                                 |         |
| 50 PPB        | *    |                      |             |    |                    |       | ARITHMETIC MEAN              | 6.5606                          |         |
| 100 PPB       | *    |                      |             |    |                    |       | VARIANCE                     | 15.7578                         |         |
| 200 PPB       | *    |                      |             |    |                    |       | STANDARD DEVIATION           | 3.9696                          |         |
| 500 PPB       | *    |                      |             |    |                    |       | SKEW                         | 1.7444                          |         |
|               | X    |                      |             |    |                    |       | EXCESS KURTOSIS              | 3.6496                          |         |
| 1 PPM         | *    |                      |             |    |                    |       | COEFFICIENT OF VARIANCE, %   | 60.5068                         |         |
| 2 PPM         | *    | XXXXX                |             |    | -1                 | 1.52  | 1.52                         | STANDARD ERROR OF THE MEAN      | .4886   |
| 5 PPM         | *    | XXXXXXXXXXXXXXXXXXXX |             |    | 6                  | 9.09  | 10.61                        | LOWER 95% LIMIT ON THE MEAN     | 5.5849  |
| 10 PPM        | *    | XXXXXXXXXXXXXXXXXXXX |             |    | 23                 | 34.85 | 45.45                        | UPPER 95% LIMIT ON THE MEAN     | 7.5363  |
| 20 PPM        | *    | XXXXXXXXXXXXXXXXXXXX |             |    | 28                 | 42.42 | 87.88                        | LOWER 95% LIMIT ON THE RANGE    | -1.3659 |
| 50 PPM        | *    | X                    |             |    | 7                  | 10.61 | 98.48                        | UPPER 95% LIMIT ON THE RANGE    | 14.4871 |
| 100 PPM       | *    |                      |             |    | 1                  | 1.52  | 100.00                       | GEOMETRIC MEAN                  | 5.5902  |
| 200 PPM       | *    |                      |             |    |                    |       |                              | LOG10 MEAN                      | .7474   |
| 500 PPM       | *    |                      |             |    |                    |       |                              | LOG10 VARIANCE                  | .0637   |
|               | **   | *                    | *           | *  | *                  | *     | *                            | LOG10 STANDARD DEVIATION        | .2524   |
|               | 0    | 20                   | 40          | 60 | 80                 | 100   |                              | STANDARD ERROR ON THE MEAN      | .0311   |
|               |      |                      |             |    |                    |       |                              | LOWER 95% LIMIT ON THE MEAN     | 4.8460  |
|               |      |                      |             |    |                    |       |                              | UPPER 95% LIMIT ON THE MEAN     | 6.4487  |
|               |      |                      |             |    |                    |       |                              | LOWER 95% LIMIT ON THE RANGE    | 1.7513  |
|               |      |                      |             |    |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 17.8444 |
|               |      |                      |             |    |                    |       |                              | MINIMUM VALUE                   | 1.0000  |
|               |      |                      |             |    |                    |       |                              | 25TH PERCENTILE OR 1ST QUARTILE | 4.0000  |
|               |      |                      |             |    |                    |       |                              | 50TH PERCENTILE OR MEDIAN       | 6.0000  |
|               |      |                      |             |    |                    |       |                              | 75TH PERCENTILE OR 3RD QUARTILE | 8.0000  |
|               |      |                      |             |    |                    |       |                              | 80TH PERCENTILE                 | 8.0000  |
|               |      |                      |             |    |                    |       |                              | 90TH PERCENTILE                 | 11.0000 |
|               |      |                      |             |    |                    |       |                              | 95TH PERCENTILE                 | 18.0000 |
|               |      |                      |             |    |                    |       |                              | 98TH PERCENTILE                 | 21.0000 |
|               |      |                      |             |    |                    |       |                              | 99TH PERCENTILE                 | 21.0000 |
|               |      |                      |             |    |                    |       |                              | MAXIMUM VALUE                   | 21.0000 |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 PB LKSD                      PPM                      GRNG

| HISTOGRAM |                              |    |    |    |     | SUMMARY STATISTICS |       |                                 |         |
|-----------|------------------------------|----|----|----|-----|--------------------|-------|---------------------------------|---------|
|           |                              |    |    |    | N   | %                  | CUM % |                                 |         |
| **        | *                            | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES         | 284     |
|           |                              |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 10 PPB *  |                              |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES      | 284     |
| 20 PPB *  |                              |    |    |    | *   |                    |       | ARITHMETIC MEAN                 | 3.7923  |
| 50 PPB *  |                              |    |    |    | *   |                    |       | VARIANCE                        | 6.5397  |
| 100 PPB * |                              |    |    |    | *   |                    |       | STANDARD DEVIATION              | 2.5573  |
| 200 PPB * |                              |    |    |    | *   |                    |       | SKEW                            | 1.7422  |
| 500 PPB * |                              |    |    |    | *   |                    |       | EXCESS KURTOSIS                 | 4.5819  |
|           | XXXXXXX                      |    |    |    | *   | 42                 | 14.79 | COEFFICIENT OF VARIANCE, %      | 67.4346 |
| 1 PPM *   |                              |    |    |    | *   | 42                 | 14.79 | STANDARD ERROR OF THE MEAN      | .1517   |
|           | XXXXXXXXXX                   |    |    |    | *   | 57                 | 20.07 | LOWER 95% LIMIT ON THE MEAN     | 3.4935  |
| 2 PPM *   |                              |    |    |    | *   | 57                 | 20.07 | UPPER 95% LIMIT ON THE MEAN     | 4.0910  |
|           | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 130                | 45.77 | LOWER 95% LIMIT ON THE RANGE    | -1.2421 |
| 5 PPM *   |                              |    |    |    | *   | 130                | 45.77 | UPPER 95% LIMIT ON THE RANGE    | 8.8266  |
|           | XXXXXXXXXX                   |    |    |    | *   | 48                 | 16.90 | GEOMETRIC MEAN                  | 3.0839  |
| 10 PPM *  |                              |    |    |    | *   | 48                 | 16.90 | LOG10 MEAN                      | .4891   |
|           | X                            |    |    |    | *   | 7                  | 2.46  | LOG10 VARIANCE                  | .0813   |
| 20 PPM *  |                              |    |    |    | *   | 7                  | 2.46  | LOG10 STANDARD DEVIATION        | .2851   |
| 50 PPM *  |                              |    |    |    | *   |                    |       | STANDARD ERROR ON THE MEAN      | .0169   |
| 100 PPM * |                              |    |    |    | *   |                    |       | LOWER 95% LIMIT ON THE MEAN     | 2.8563  |
| 200 PPM * |                              |    |    |    | *   |                    |       | UPPER 95% LIMIT ON THE MEAN     | 3.3297  |
| 500 PPM * |                              |    |    |    | *   |                    |       | LOWER 95% LIMIT ON THE RANGE    | .8470   |
|           |                              |    |    |    | *   |                    |       | UPPER 95% LIMIT ON THE RANGE    | 11.2287 |
| **        | *                            | *  | *  | *  | *   |                    |       | MINIMUM VALUE                   | 1.0000  |
| 0         | 20                           | 40 | 60 | 80 | 100 |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | 2.0000  |
|           |                              |    |    |    |     |                    |       | 50TH PERCENTILE OR MEDIAN       | 3.0000  |
|           |                              |    |    |    |     |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | 5.0000  |
|           |                              |    |    |    |     |                    |       | 80TH PERCENTILE                 | 5.0000  |
|           |                              |    |    |    |     |                    |       | 90TH PERCENTILE                 | 7.0000  |
|           |                              |    |    |    |     |                    |       | 95TH PERCENTILE                 | 8.0000  |
|           |                              |    |    |    |     |                    |       | 98TH PERCENTILE                 | 12.0000 |
|           |                              |    |    |    |     |                    |       | 99TH PERCENTILE                 | 15.0000 |
|           |                              |    |    |    |     |                    |       | MAXIMUM VALUE                   | 17.0000 |

|               |                     |             |
|---------------|---------------------|-------------|
| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
| PB LKSD       | PPM                 | UMFC        |

SUMMARY STATISTICS

|                              |   |
|------------------------------|---|
| TOTAL NUMBER OF SAMPLES      | 1 |
| NUMBER OF ZERO VALUE SAMPLES | 0 |
| NUMBER OF NON-ZERO SAMPLES   | 1 |

|                    |        |
|--------------------|--------|
| ARITHMETIC MEAN    | 4.0000 |
| VARIANCE           | .0000  |
| STANDARD DEVIATION | .0000  |
| SKEW               | .0000  |
| EXCESS KURTOSIS    | .0000  |

|                            |       |
|----------------------------|-------|
| COEFFICIENT OF VARIANCE, % | .0000 |
|----------------------------|-------|

|                             |        |
|-----------------------------|--------|
| STANDARD ERROR OF THE MEAN  | .0000  |
| LOWER 95% LIMIT ON THE MEAN | 4.0000 |
| UPPER 95% LIMIT ON THE MEAN | 4.0000 |

|                              |        |
|------------------------------|--------|
| LOWER 95% LIMIT ON THE RANGE | 4.0000 |
| UPPER 95% LIMIT ON THE RANGE | 4.0000 |

|                          |        |
|--------------------------|--------|
| GEOMETRIC MEAN           | 4.0000 |
| LOG10 MEAN               | .6021  |
| LOG10 VARIANCE           | .0000  |
| LOG10 STANDARD DEVIATION | .0000  |

|                             |        |
|-----------------------------|--------|
| STANDARD ERROR ON THE MEAN  | .0000  |
| LOWER 95% LIMIT ON THE MEAN | 4.0000 |
| UPPER 95% LIMIT ON THE MEAN | 4.0000 |

|                              |        |
|------------------------------|--------|
| LOWER 95% LIMIT ON THE RANGE | 4.0000 |
| UPPER 95% LIMIT ON THE RANGE | 4.0000 |

|                                 |        |
|---------------------------------|--------|
| MINIMUM VALUE                   | 4.0000 |
| 25TH PERCENTILE OR 1ST QUARTILE | 4.0000 |
| 50TH PERCENTILE OR MEDIAN       | 4.0000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 4.0000 |
| 80TH PERCENTILE                 | 4.0000 |
| 90TH PERCENTILE                 | 4.0000 |
| 95TH PERCENTILE                 | 4.0000 |
| 98TH PERCENTILE                 | 4.0000 |
| 99TH PERCENTILE                 | 4.0000 |
| MAXIMUM VALUE                   | 4.0000 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 PB LKSD                      PPM                      CGLM

| HISTOGRAM |            |    |    |    |     | SUMMARY STATISTICS |       |                              |                                 |        |
|-----------|------------|----|----|----|-----|--------------------|-------|------------------------------|---------------------------------|--------|
|           |            |    |    |    | N   | %                  | CUM % |                              |                                 |        |
| **        | *          | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES      | 25                              |        |
| XX        |            |    |    |    | *   | 1                  | 4.00  | NUMBER OF ZERO VALUE SAMPLES | 1                               |        |
| 10 PPB    | *          |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES   | 24                              |        |
| 20 PPB    | *          |    |    |    | *   |                    |       | ARITHMETIC MEAN              | 3.0000                          |        |
| 50 PPB    | *          |    |    |    | *   |                    |       | VARIANCE                     | 3.2174                          |        |
| 100 PPB   | *          |    |    |    | *   |                    |       | STANDARD DEVIATION           | 1.7937                          |        |
| 200 PPB   | *          |    |    |    | *   |                    |       | SKEW                         | .9235                           |        |
| 500 PPB   | *          |    |    |    | *   |                    |       | EXCESS KURTOSIS              | .0592                           |        |
|           | XXXXXXXXXX |    |    |    | *   | 5                  | 20.00 | COEFFICIENT OF VARIANCE, %   | 59.7903                         |        |
| 1 PPM     | *          |    |    |    | *   | 5                  | 20.00 | 24.00                        | STANDARD ERROR OF THE MEAN      | .3661  |
| 2 PPM     | *          |    |    |    | *   | 6                  | 24.00 | 48.00                        | LOWER 95% LIMIT ON THE MEAN     | 2.2443 |
| 5 PPM     | *          |    |    |    | *   | 10                 | 40.00 | 88.00                        | UPPER 95% LIMIT ON THE MEAN     | 3.7557 |
| 10 PPM    | *          |    |    |    | *   | 3                  | 12.00 | 100.00                       | LOWER 95% LIMIT ON THE RANGE    | -.7022 |
| 20 PPM    | *          |    |    |    | *   |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 6.7022 |
| 50 PPM    | *          |    |    |    | *   |                    |       |                              | GEOMETRIC MEAN                  | 2.5221 |
| **        | *          | *  | *  | *  | *   |                    |       |                              | LOG10 MEAN                      | .4018  |
| 0         | 20         | 40 | 60 | 80 | 100 |                    |       |                              | LOG10 VARIANCE                  | .0715  |
|           |            |    |    |    |     |                    |       |                              | LOG10 STANDARD DEVIATION        | .2675  |
|           |            |    |    |    |     |                    |       |                              | STANDARD ERROR ON THE MEAN      | .0546  |
|           |            |    |    |    |     |                    |       |                              | LOWER 95% LIMIT ON THE MEAN     | 1.9457 |
|           |            |    |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE MEAN     | 3.2693 |
|           |            |    |    |    |     |                    |       |                              | LOWER 95% LIMIT ON THE RANGE    | .7075  |
|           |            |    |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 8.9915 |
|           |            |    |    |    |     |                    |       |                              | MINIMUM VALUE                   | 1.0000 |
|           |            |    |    |    |     |                    |       |                              | 25TH PERCENTILE OR 1ST QUARTILE | 2.0000 |
|           |            |    |    |    |     |                    |       |                              | 50TH PERCENTILE OR MEDIAN       | 3.0000 |
|           |            |    |    |    |     |                    |       |                              | 75TH PERCENTILE OR 3RD QUARTILE | 4.0000 |
|           |            |    |    |    |     |                    |       |                              | 80TH PERCENTILE                 | 4.0000 |
|           |            |    |    |    |     |                    |       |                              | 90TH PERCENTILE                 | 7.0000 |
|           |            |    |    |    |     |                    |       |                              | 95TH PERCENTILE                 | 7.0000 |
|           |            |    |    |    |     |                    |       |                              | 98TH PERCENTILE                 | 7.0000 |
|           |            |    |    |    |     |                    |       |                              | 99TH PERCENTILE                 | 7.0000 |
|           |            |    |    |    |     |                    |       |                              | MAXIMUM VALUE                   | 7.0000 |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 PB LKSD                      PPM                      GRCK

| HISTOGRAM |                              |    |    |    |     | SUMMARY STATISTICS |       |                              |                                 |         |
|-----------|------------------------------|----|----|----|-----|--------------------|-------|------------------------------|---------------------------------|---------|
|           |                              |    |    |    | N   | %                  | CUM % |                              |                                 |         |
| **        | *                            | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES      | 45                              |         |
|           |                              |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES | 0                               |         |
| 10 PPB *  |                              |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES   | 45                              |         |
| 20 PPB *  |                              |    |    |    | *   |                    |       | ARITHMETIC MEAN              | 4.0889                          |         |
| 50 PPB *  |                              |    |    |    | *   |                    |       | VARIANCE                     | 3.4919                          |         |
| 100 PPB * |                              |    |    |    | *   |                    |       | STANDARD DEVIATION           | 1.8687                          |         |
| 200 PPB * |                              |    |    |    | *   |                    |       | SKEW                         | .3980                           |         |
| 500 PPB * |                              |    |    |    | *   |                    |       | EXCESS KURTOSIS              | -.6238                          |         |
|           |                              |    |    |    | *   |                    |       | COEFFICIENT OF VARIANCE, %   | 45.7011                         |         |
| XX        |                              |    |    |    | *   | 2                  | 4.44  | 4.44                         | STANDARD ERROR OF THE MEAN      | .2786   |
| 1 PPM *   | XXXXXXXXXX                   |    |    |    | *   | 9                  | 20.00 | 24.44                        | LOWER 95% LIMIT ON THE MEAN     | 3.5277  |
| 2 PPM *   | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 22                 | 48.89 | 73.33                        | UPPER 95% LIMIT ON THE MEAN     | 4.6501  |
| 5 PPM *   | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 12                 | 26.67 | 100.00                       | LOWER 95% LIMIT ON THE RANGE    | .3245   |
| 10 PPM *  |                              |    |    |    | *   |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 7.8533  |
| 20 PPM *  |                              |    |    |    | *   |                    |       |                              | GEOMETRIC MEAN                  | 3.6396  |
| 50 PPM *  |                              |    |    |    | *   |                    |       |                              | LOG10 MEAN                      | .5610   |
|           |                              |    |    |    | *   |                    |       |                              | LOG10 VARIANCE                  | .0498   |
| **        | *                            | *  | *  | *  | *   |                    |       |                              | LOG10 STANDARD DEVIATION        | .2231   |
| 0         | 20                           | 40 | 60 | 80 | 100 |                    |       |                              | STANDARD ERROR ON THE MEAN      | .0333   |
|           |                              |    |    |    |     |                    |       |                              | LOWER 95% LIMIT ON THE MEAN     | 3.1192  |
|           |                              |    |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE MEAN     | 4.2468  |
|           |                              |    |    |    |     |                    |       |                              | LOWER 95% LIMIT ON THE RANGE    | 1.2929  |
|           |                              |    |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 10.2459 |
|           |                              |    |    |    |     |                    |       |                              | MINIMUM VALUE                   | 1.0000  |
|           |                              |    |    |    |     |                    |       |                              | 25TH PERCENTILE OR 1ST QUARTILE | 3.0000  |
|           |                              |    |    |    |     |                    |       |                              | 50TH PERCENTILE OR MEDIAN       | 4.0000  |
|           |                              |    |    |    |     |                    |       |                              | 75TH PERCENTILE OR 3RD QUARTILE | 6.0000  |
|           |                              |    |    |    |     |                    |       |                              | 80TH PERCENTILE                 | 6.0000  |
|           |                              |    |    |    |     |                    |       |                              | 90TH PERCENTILE                 | 6.0000  |
|           |                              |    |    |    |     |                    |       |                              | 95TH PERCENTILE                 | 8.0000  |
|           |                              |    |    |    |     |                    |       |                              | 98TH PERCENTILE                 | 8.0000  |
|           |                              |    |    |    |     |                    |       |                              | 99TH PERCENTILE                 | 8.0000  |
|           |                              |    |    |    |     |                    |       |                              | MAXIMUM VALUE                   | 8.0000  |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 PB LKSD                      PPM                      BEXV

| HISTOGRAM |                        |    |    |    |     | SUMMARY STATISTICS |        |                                 |         |
|-----------|------------------------|----|----|----|-----|--------------------|--------|---------------------------------|---------|
|           |                        |    |    |    | N   | %                  | CUM %  |                                 |         |
| **        | *                      | *  | *  | *  | *   |                    |        | TOTAL NUMBER OF SAMPLES         | 8       |
|           |                        |    |    |    | *   |                    |        | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 10 PPB *  |                        |    |    |    | *   |                    |        | NUMBER OF NON-ZERO SAMPLES      | 8       |
| 20 PPB *  |                        |    |    |    | *   |                    |        | ARITHMETIC MEAN                 | 7.3750  |
| 50 PPB *  |                        |    |    |    | *   |                    |        | VARIANCE                        | 47.1250 |
| 100 PPB * |                        |    |    |    | *   |                    |        | STANDARD DEVIATION              | 6.8648  |
| 200 PPB * |                        |    |    |    | *   |                    |        | SKEW                            | 1.6218  |
| 500 PPB * |                        |    |    |    | *   |                    |        | EXCESS KURTOSIS                 | 1.5460  |
|           | XXXXXX                 |    |    |    | *   |                    |        | COEFFICIENT OF VARIANCE, %      | 93.0816 |
| 1 PPM *   |                        |    |    |    | 1   | 12.50              | 12.50  | STANDARD ERROR OF THE MEAN      | 2.4271  |
| 2 PPM *   |                        |    |    |    | *   |                    |        | LOWER 95% LIMIT ON THE MEAN     | 1.7782  |
| 5 PPM *   | XXXXXXXXXXXXXXXXXXXXXX |    |    |    | 3   | 37.50              | 50.00  | UPPER 95% LIMIT ON THE MEAN     | 12.9718 |
| 10 PPM *  | XXXXXXXXXXXXXXXXXXXXXX |    |    |    | 3   | 37.50              | 87.50  | LOWER 95% LIMIT ON THE RANGE    | -8.4551 |
| 20 PPM *  |                        |    |    |    | *   |                    |        | UPPER 95% LIMIT ON THE RANGE    | 23.2051 |
| 50 PPM *  | XXXXXX                 |    |    |    | 1   | 12.50              | 100.00 | GEOMETRIC MEAN                  | 5.2528  |
| 100 PPM * |                        |    |    |    | *   |                    |        | LOG10 MEAN                      | .7204   |
| 200 PPM * |                        |    |    |    | *   |                    |        | LOG10 VARIANCE                  | .1573   |
| 500 PPM * |                        |    |    |    | *   |                    |        | LOG10 STANDARD DEVIATION        | .3966   |
|           |                        |    |    |    | *   |                    |        | STANDARD ERROR ON THE MEAN      | .1402   |
|           |                        |    |    |    | *   |                    |        | LOWER 95% LIMIT ON THE MEAN     | 2.4949  |
|           |                        |    |    |    | *   |                    |        | UPPER 95% LIMIT ON THE MEAN     | 11.0593 |
|           |                        |    |    |    | *   |                    |        | LOWER 95% LIMIT ON THE RANGE    | .6395   |
|           |                        |    |    |    | *   |                    |        | UPPER 95% LIMIT ON THE RANGE    | 43.1448 |
| **        | *                      | *  | *  | *  | *   |                    |        | MINIMUM VALUE                   | 1.0000  |
| 0         | 20                     | 40 | 60 | 80 | 100 |                    |        | 25TH PERCENTILE OR 1ST QUARTILE | 4.0000  |
|           |                        |    |    |    |     |                    |        | 50TH PERCENTILE OR MEDIAN       | 6.0000  |
|           |                        |    |    |    |     |                    |        | 75TH PERCENTILE OR 3RD QUARTILE | 10.0000 |
|           |                        |    |    |    |     |                    |        | 80TH PERCENTILE                 | 10.0000 |
|           |                        |    |    |    |     |                    |        | 90TH PERCENTILE                 | 23.0000 |
|           |                        |    |    |    |     |                    |        | 95TH PERCENTILE                 | 23.0000 |
|           |                        |    |    |    |     |                    |        | 98TH PERCENTILE                 | 23.0000 |
|           |                        |    |    |    |     |                    |        | 99TH PERCENTILE                 | 23.0000 |
|           |                        |    |    |    |     |                    |        | MAXIMUM VALUE                   | 23.0000 |

| VARIABLE NAME |      | UNIT OF MEASUREMENT | DATA SUBSET                  |      |           |    |       |        | SUMMARY STATISTICS              |         |
|---------------|------|---------------------|------------------------------|------|-----------|----|-------|--------|---------------------------------|---------|
| PB            | LKSD | PPM                 |                              | MVCC |           |    |       |        |                                 |         |
|               |      |                     |                              |      | HISTOGRAM |    |       |        |                                 |         |
| **            | *    | *                   | *                            | *    | *         | N  | %     | CUM %  |                                 |         |
| 10            | PPB  | *                   |                              |      | *         |    |       |        | TOTAL NUMBER OF SAMPLES         | 42      |
|               |      |                     |                              |      | *         |    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0       |
|               |      |                     |                              |      | *         |    |       |        | NUMBER OF NON-ZERO SAMPLES      | 42      |
| 20            | PPB  | *                   |                              |      | *         |    |       |        | ARITHMETIC MEAN                 | 3.9286  |
| 50            | PPB  | *                   |                              |      | *         |    |       |        | VARIANCE                        | 6.0679  |
| 100           | PPB  | *                   |                              |      | *         |    |       |        | STANDARD DEVIATION              | 2.4633  |
| 200           | PPB  | *                   |                              |      | *         |    |       |        | SKEW                            | 1.2326  |
| 500           | PPB  | *                   |                              |      | *         |    |       |        | EXCESS KURTOSIS                 | .8262   |
|               |      |                     |                              |      | *         |    |       |        | COEFFICIENT OF VARIANCE, %      | 62.7027 |
| 1             | PPM  | *                   | XXXXX                        |      | *         | 4  | 9.52  | 9.52   | STANDARD ERROR OF THE MEAN      | .3801   |
| 2             | PPM  | *                   | XXXXXXXXX                    |      | *         | 7  | 16.67 | 26.19  | LOWER 95% LIMIT ON THE MEAN     | 3.1614  |
| 5             | PPM  | *                   | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |      | *         | 21 | 50.00 | 76.19  | UPPER 95% LIMIT ON THE MEAN     | 4.6958  |
| 10            | PPM  | *                   | XXXXXXXXXXXX                 |      | *         | 9  | 21.43 | 97.62  | LOWER 95% LIMIT ON THE RANGE    | -1.0434 |
| 20            | PPM  | *                   | X                            |      | *         | 1  | 2.38  | 100.00 | UPPER 95% LIMIT ON THE RANGE    | 8.9005  |
| 50            | PPM  | *                   |                              |      | *         |    |       |        | GEOMETRIC MEAN                  | 3.2869  |
| 100           | PPM  | *                   |                              |      | *         |    |       |        | LOG10 MEAN                      | .5168   |
| 200           | PPM  | *                   |                              |      | *         |    |       |        | LOG10 VARIANCE                  | .0704   |
| 500           | PPM  | *                   |                              |      | *         |    |       |        | LOG10 STANDARD DEVIATION        | .2654   |
|               |      |                     |                              |      | *         |    |       |        | STANDARD ERROR ON THE MEAN      | .0409   |
|               |      |                     |                              |      | *         |    |       |        | LOWER 95% LIMIT ON THE MEAN     | 2.7173  |
|               |      |                     |                              |      | *         |    |       |        | UPPER 95% LIMIT ON THE MEAN     | 3.9758  |
|               |      |                     |                              |      | *         |    |       |        | LOWER 95% LIMIT ON THE RANGE    | .9576   |
|               |      |                     |                              |      | *         |    |       |        | UPPER 95% LIMIT ON THE RANGE    | 11.2820 |
|               |      |                     |                              |      | PERCENT   |    |       |        |                                 |         |
| **            | *    | *                   | *                            | *    | *         |    |       |        | MINIMUM VALUE                   | 1.0000  |
| 0             | 20   | 40                  | 60                           | 80   | 100       |    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 2.0000  |
|               |      |                     |                              |      |           |    |       |        | 50TH PERCENTILE OR MEDIAN       | 3.0000  |
|               |      |                     |                              |      |           |    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 5.0000  |
|               |      |                     |                              |      |           |    |       |        | 80TH PERCENTILE                 | 6.0000  |
|               |      |                     |                              |      |           |    |       |        | 90TH PERCENTILE                 | 8.0000  |
|               |      |                     |                              |      |           |    |       |        | 95TH PERCENTILE                 | 10.0000 |
|               |      |                     |                              |      |           |    |       |        | 98TH PERCENTILE                 | 11.0000 |
|               |      |                     |                              |      |           |    |       |        | 99TH PERCENTILE                 | 11.0000 |
|               |      |                     |                              |      |           |    |       |        | MAXIMUM VALUE                   | 11.0000 |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 PB LKSD                      PPM                      UKNN

| HISTOGRAM |                        |    |    |    |     | SUMMARY STATISTICS |       |                              |                                 |         |
|-----------|------------------------|----|----|----|-----|--------------------|-------|------------------------------|---------------------------------|---------|
|           |                        |    |    |    | N   | %                  | CUM % |                              |                                 |         |
| **        | *                      | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES      | 73                              |         |
|           |                        |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES | 0                               |         |
| 10 PPB *  |                        |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES   | 73                              |         |
| 20 PPB *  |                        |    |    |    | *   |                    |       | ARITHMETIC MEAN              | 2.8356                          |         |
| 50 PPB *  |                        |    |    |    | *   |                    |       | VARIANCE                     | 3.2226                          |         |
| 100 PPB * |                        |    |    |    | *   |                    |       | STANDARD DEVIATION           | 1.7952                          |         |
| 200 PPB * |                        |    |    |    | *   |                    |       | SKEW                         | 1.2202                          |         |
| 500 PPB * |                        |    |    |    | *   |                    |       | EXCESS KURTOSIS              | 1.4099                          |         |
|           | XXXXXXXXXXXXXX         |    |    |    | *   | 19                 | 26.03 | 26.03                        | COEFFICIENT OF VARIANCE, %      | 63.3076 |
| 1 PPM *   |                        |    |    |    | *   | 19                 | 26.03 | 52.05                        | STANDARD ERROR OF THE MEAN      | .2101   |
| 2 PPM *   | XXXXXXXXXXXXXX         |    |    |    | *   | 19                 | 26.03 | 52.05                        | LOWER 95% LIMIT ON THE MEAN     | 2.4169  |
| 5 PPM *   | XXXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 30                 | 41.10 | 93.15                        | UPPER 95% LIMIT ON THE MEAN     | 3.2544  |
| 10 PPM *  | XXX                    |    |    |    | *   | 5                  | 6.85  | 100.00                       | LOWER 95% LIMIT ON THE RANGE    | -.7423  |
| 20 PPM *  |                        |    |    |    | *   |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 6.4135  |
| 50 PPM *  |                        |    |    |    | *   |                    |       |                              | GEOMETRIC MEAN                  | 2.3462  |
|           |                        |    |    |    | *   |                    |       |                              | LOG10 MEAN                      | .3704   |
| **        | *                      | *  | *  | *  | *   |                    |       |                              | LOG10 VARIANCE                  | .0741   |
| 0         | 20                     | 40 | 60 | 80 | 100 |                    |       |                              | LOG10 STANDARD DEVIATION        | .2723   |
|           |                        |    |    |    |     |                    |       |                              | STANDARD ERROR ON THE MEAN      | .0319   |
|           |                        |    |    |    |     |                    |       |                              | LOWER 95% LIMIT ON THE MEAN     | 2.0270  |
|           |                        |    |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE MEAN     | 2.7157  |
|           |                        |    |    |    |     |                    |       |                              | LOWER 95% LIMIT ON THE RANGE    | .6725   |
|           |                        |    |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 8.1853  |
|           |                        |    |    |    |     |                    |       |                              | MINIMUM VALUE                   | 1.0000  |
|           |                        |    |    |    |     |                    |       |                              | 25TH PERCENTILE OR 1ST QUARTILE | 1.0000  |
|           |                        |    |    |    |     |                    |       |                              | 50TH PERCENTILE OR MEDIAN       | 2.0000  |
|           |                        |    |    |    |     |                    |       |                              | 75TH PERCENTILE OR 3RD QUARTILE | 4.0000  |
|           |                        |    |    |    |     |                    |       |                              | 80TH PERCENTILE                 | 4.0000  |
|           |                        |    |    |    |     |                    |       |                              | 90TH PERCENTILE                 | 5.0000  |
|           |                        |    |    |    |     |                    |       |                              | 95TH PERCENTILE                 | 7.0000  |
|           |                        |    |    |    |     |                    |       |                              | 98TH PERCENTILE                 | 9.0000  |
|           |                        |    |    |    |     |                    |       |                              | 99TH PERCENTILE                 | 9.0000  |
|           |                        |    |    |    |     |                    |       |                              | MAXIMUM VALUE                   | 9.0000  |

SUMMARY STATISTICS

| SUBSET | VARIABLE | UNITS | N   | ARITH<br>MEAN | STD<br>DEV | CV %  | SKEW | EXCESS<br>KURT | 95% LIMITS<br>ON MEAN | GEOM<br>MEAN | LOG 10<br>MEAN | STD<br>DEV | 95% LIMITS<br>ON MEAN |          |      |
|--------|----------|-------|-----|---------------|------------|-------|------|----------------|-----------------------|--------------|----------------|------------|-----------------------|----------|------|
| DIBS   | PB LKSD  | PPM   | 253 | 4.33          | 3.45       | 79.6  | 1.59 | 2.20           | 3.90                  | 4.75         | 3.28           | .5162      | .3239                 | 2.99     | 3.60 |
| SMRK   | PB LKSD  | PPM   | 94  | 6.44          | 17.3       | 268.2 | 8.62 | 76.56          | 2.90                  | 9.97         | 3.80           | .5803      | .3449                 | 3.23     | 4.48 |
| ARGL   | PB LKSD  | PPM   | 29  | 8.52          | 4.14       | 48.6  | .83  | .56            | 6.95                  | 10.1         | 7.57           | .8793      | .2198                 | 6.25     | 9.18 |
| CHRT   | PB LKSD  | PPM   | 2   | 4.00          | 4.24       | 106.1 | 0.00 | -2.00          | -8.91                 | 16.9         | 2.65           | .4225      | .5976                 | .402E-01 | 174. |
| GRNT   | PB LKSD  | PPM   | 66  | 6.56          | 3.97       | 60.5  | 1.74 | 3.65           | 5.58                  | 7.54         | 5.59           | .7474      | .2524                 | 4.85     | 6.45 |
| GRNG   | PB LKSD  | PPM   | 284 | 3.79          | 2.56       | 67.4  | 1.74 | 4.58           | 3.49                  | 4.09         | 3.08           | .4891      | .2851                 | 2.86     | 3.33 |
| UMFC   | PB LKSD  | PPM   | 1   | 4.00          | .100E-05   | .0    | .00  | .00            | 4.00                  | 4.00         | 4.00           | .6021      | .0000                 | 4.00     | 4.00 |
| CGLM   | PB LKSD  | PPM   | 24  | 3.00          | 1.79       | 59.8  | .92  | .06            | 2.24                  | 3.76         | 2.52           | .4018      | .2675                 | 1.95     | 3.27 |
| GRCK   | PB LKSD  | PPM   | 45  | 4.09          | 1.87       | 45.7  | .40  | -.62           | 3.53                  | 4.65         | 3.64           | .5610      | .2231                 | 3.12     | 4.25 |
| BEXV   | PB LKSD  | PPM   | 8   | 7.38          | 6.86       | 93.1  | 1.62 | 1.55           | 1.78                  | 13.0         | 5.25           | .7204      | .3966                 | 2.49     | 11.1 |
| MVCC   | PB LKSD  | PPM   | 42  | 3.93          | 2.46       | 62.7  | 1.23 | .83            | 3.16                  | 4.70         | 3.29           | .5168      | .2654                 | 2.72     | 3.98 |
| UKNN   | PB LKSD  | PPM   | 73  | 2.84          | 1.80       | 63.3  | 1.22 | 1.41           | 2.42                  | 3.25         | 2.35           | .3704      | .2723                 | 2.03     | 2.72 |

| SUBSET | VARIABLE | UNITS | N   | MIN<br>VALUE | ----- PERCENTILE ----- |       |        |        |        |        |        |         |         |  | MAX<br>VALUE |
|--------|----------|-------|-----|--------------|------------------------|-------|--------|--------|--------|--------|--------|---------|---------|--|--------------|
|        |          |       |     |              | 25TH                   | 50TH  | 75TH   | 80TH   | 90TH   | 95TH   | 98TH   | 99TH    |         |  |              |
| DIBS   | PB LKSD  | PPM   | 253 | 1.000        | 2.000                  | 3.000 | 6.000  | 6.000  | 9.000  | 12.000 | 15.000 | 16.000  | 17.000  |  |              |
| SMRK   | PB LKSD  | PPM   | 94  | 1.000        | 2.000                  | 4.000 | 5.000  | 7.000  | 10.000 | 10.000 | 40.000 | 166.000 | 166.000 |  |              |
| ARGL   | PB LKSD  | PPM   | 29  | 3.000        | 5.000                  | 8.000 | 11.000 | 11.000 | 16.000 | 20.000 | 20.000 | 20.000  | 20.000  |  |              |
| CHRT   | PB LKSD  | PPM   | 2   | 1.000        | 1.000                  | 7.000 | 7.000  | 7.000  | 7.000  | 7.000  | 7.000  | 7.000   | 7.000   |  |              |
| GRNT   | PB LKSD  | PPM   | 66  | 1.000        | 4.000                  | 6.000 | 8.000  | 8.000  | 11.000 | 18.000 | 21.000 | 21.000  | 21.000  |  |              |
| GRNG   | PB LKSD  | PPM   | 284 | 1.000        | 2.000                  | 3.000 | 5.000  | 5.000  | 7.000  | 8.000  | 12.000 | 15.000  | 17.000  |  |              |
| UMFC   | PB LKSD  | PPM   | 1   | 4.000        | 4.000                  | 4.000 | 4.000  | 4.000  | 4.000  | 4.000  | 4.000  | 4.000   | 4.000   |  |              |
| CGLM   | PB LKSD  | PPM   | 24  | 1.000        | 2.000                  | 3.000 | 4.000  | 4.000  | 7.000  | 7.000  | 7.000  | 7.000   | 7.000   |  |              |
| GRCK   | PB LKSD  | PPM   | 45  | 1.000        | 3.000                  | 4.000 | 6.000  | 6.000  | 6.000  | 8.000  | 8.000  | 8.000   | 8.000   |  |              |
| BEXV   | PB LKSD  | PPM   | 8   | 1.000        | 4.000                  | 6.000 | 10.000 | 10.000 | 23.000 | 23.000 | 23.000 | 23.000  | 23.000  |  |              |
| MVCC   | PB LKSD  | PPM   | 42  | 1.000        | 2.000                  | 3.000 | 5.000  | 6.000  | 8.000  | 10.000 | 11.000 | 11.000  | 11.000  |  |              |
| UKNN   | PB LKSD  | PPM   | 73  | 1.000        | 1.000                  | 2.000 | 4.000  | 4.000  | 5.000  | 7.000  | 9.000  | 9.000   | 9.000   |  |              |



| VARIABLE NAME      |                                      | UNIT OF MEASUREMENT |    | DATA SUBSET                     |              |
|--------------------|--------------------------------------|---------------------|----|---------------------------------|--------------|
| NI                 | LKSD                                 | PPM                 |    | SMRK                            |              |
| HISTOGRAM          |                                      |                     |    |                                 |              |
| **                 | *                                    | *                   | *  | *                               | *            |
| 10 PPB             | *                                    |                     |    |                                 | *            |
| 20 PPB             | *                                    |                     |    |                                 | *            |
| 50 PPB             | *                                    |                     |    |                                 | *            |
| 100 PPB            | *                                    |                     |    |                                 | *            |
| 200 PPB            | *                                    |                     |    |                                 | *            |
| 500 PPB            | *                                    |                     |    |                                 | *            |
| 1 PPM              | XX                                   |                     |    | 3                               | 3.19 3.19    |
| 2 PPM              | *                                    |                     |    |                                 | *            |
| 5 PPM              | XX                                   |                     |    | 4                               | 4.26 7.45    |
| 10 PPM             | XXX                                  |                     |    | 6                               | 6.38 13.83   |
| 20 PPM             | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |                     |    | 56                              | 59.57 73.40  |
| 50 PPM             | XXXXXXXXXXXX                         |                     |    | 25                              | 26.60 100.00 |
| 100 PPM            | *                                    |                     |    |                                 | *            |
| 200 PPM            | *                                    |                     |    |                                 | *            |
| 500 PPM            | *                                    |                     |    |                                 | *            |
| **                 | *                                    | *                   | *  | *                               | *            |
| 0                  | 20                                   | 40                  | 60 | 80                              | 100          |
| PERCENT            |                                      |                     |    |                                 |              |
| SUMMARY STATISTICS |                                      |                     |    |                                 |              |
|                    |                                      |                     |    | TOTAL NUMBER OF SAMPLES         | 94           |
|                    |                                      |                     |    | NUMBER OF ZERO VALUE SAMPLES    | 0            |
|                    |                                      |                     |    | NUMBER OF NON-ZERO SAMPLES      | 94           |
|                    |                                      |                     |    | ARITHMETIC MEAN                 | 17.4787      |
|                    |                                      |                     |    | VARIANCE                        | 77.4350      |
|                    |                                      |                     |    | STANDARD DEVIATION              | 8.7997       |
|                    |                                      |                     |    | SKEW                            | 1.0787       |
|                    |                                      |                     |    | EXCESS KURTOSIS                 | 2.2881       |
|                    |                                      |                     |    | COEFFICIENT OF VARIANCE, %      | 50.3453      |
|                    |                                      |                     |    | STANDARD ERROR OF THE MEAN      | .9076        |
|                    |                                      |                     |    | LOWER 95% LIMIT ON THE MEAN     | 15.6763      |
|                    |                                      |                     |    | UPPER 95% LIMIT ON THE MEAN     | 19.2812      |
|                    |                                      |                     |    | LOWER 95% LIMIT ON THE RANGE    | .0032        |
|                    |                                      |                     |    | UPPER 95% LIMIT ON THE RANGE    | 34.9543      |
|                    |                                      |                     |    | GEOMETRIC MEAN                  | 14.8120      |
|                    |                                      |                     |    | LOG10 MEAN                      | 1.1706       |
|                    |                                      |                     |    | LOG10 VARIANCE                  | .0892        |
|                    |                                      |                     |    | LOG10 STANDARD DEVIATION        | .2986        |
|                    |                                      |                     |    | STANDARD ERROR ON THE MEAN      | .0308        |
|                    |                                      |                     |    | LOWER 95% LIMIT ON THE MEAN     | 12.8661      |
|                    |                                      |                     |    | UPPER 95% LIMIT ON THE MEAN     | 17.0522      |
|                    |                                      |                     |    | LOWER 95% LIMIT ON THE RANGE    | 3.7807       |
|                    |                                      |                     |    | UPPER 95% LIMIT ON THE RANGE    | 58.0295      |
|                    |                                      |                     |    | MINIMUM VALUE                   | 1.0000       |
|                    |                                      |                     |    | 25TH PERCENTILE OR 1ST QUARTILE | 13.0000      |
|                    |                                      |                     |    | 50TH PERCENTILE OR MEDIAN       | 16.0000      |
|                    |                                      |                     |    | 75TH PERCENTILE OR 3RD QUARTILE | 22.0000      |
|                    |                                      |                     |    | 80TH PERCENTILE                 | 23.0000      |
|                    |                                      |                     |    | 90TH PERCENTILE                 | 29.0000      |
|                    |                                      |                     |    | 95TH PERCENTILE                 | 33.0000      |
|                    |                                      |                     |    | 98TH PERCENTILE                 | 44.0000      |
|                    |                                      |                     |    | 99TH PERCENTILE                 | 50.0000      |
|                    |                                      |                     |    | MAXIMUM VALUE                   | 50.0000      |



| VARIABLE NAME<br>NI LKSD | UNIT OF MEASUREMENT<br>PPM | DATA SUBSET<br>ARGL | HISTOGRAM |       |        | SUMMARY STATISTICS              |         |
|--------------------------|----------------------------|---------------------|-----------|-------|--------|---------------------------------|---------|
|                          |                            |                     | N         | %     | CUM %  |                                 |         |
| 1 PPM *                  |                            |                     |           |       |        | TOTAL NUMBER OF SAMPLES         | 29      |
| 2 PPM *                  |                            |                     |           |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 5 PPM *                  |                            |                     |           |       |        | NUMBER OF NON-ZERO SAMPLES      | 29      |
| 10 PPM *                 |                            |                     |           |       |        | ARITHMETIC MEAN                 | 34.0690 |
| 20 PPM *                 |                            |                     |           |       |        | VARIANCE                        | 86.5665 |
| 50 PPM *                 |                            |                     |           |       |        | STANDARD DEVIATION              | 9.3041  |
| 100 PPM *                |                            |                     |           |       |        | SKEW                            | .1082   |
| 200 PPM *                |                            |                     | 2         | 6.90  | 6.90   | EXCESS KURTOSIS                 | -.6397  |
| 500 PPM *                |                            |                     | 26        | 89.66 | 96.55  | COEFFICIENT OF VARIANCE, %      | 27.3096 |
|                          |                            |                     | 1         | 3.45  | 100.00 | STANDARD ERROR OF THE MEAN      | 1.7277  |
|                          |                            |                     |           |       |        | LOWER 95% LIMIT ON THE MEAN     | 30.5358 |
|                          |                            |                     |           |       |        | UPPER 95% LIMIT ON THE MEAN     | 37.6022 |
|                          |                            |                     |           |       |        | LOWER 95% LIMIT ON THE RANGE    | 15.0421 |
|                          |                            |                     |           |       |        | UPPER 95% LIMIT ON THE RANGE    | 53.0959 |
|                          |                            |                     |           |       |        | GEOMETRIC MEAN                  | 32.7659 |
|                          |                            |                     |           |       |        | LOG10 MEAN                      | 1.5154  |
|                          |                            |                     |           |       |        | LOG10 VARIANCE                  | .0161   |
|                          |                            |                     |           |       |        | LOG10 STANDARD DEVIATION        | .1270   |
|                          |                            |                     |           |       |        | STANDARD ERROR ON THE MEAN      | .0236   |
|                          |                            |                     |           |       |        | LOWER 95% LIMIT ON THE MEAN     | 29.3212 |
|                          |                            |                     |           |       |        | UPPER 95% LIMIT ON THE MEAN     | 36.6152 |
|                          |                            |                     |           |       |        | LOWER 95% LIMIT ON THE RANGE    | 18.0154 |
|                          |                            |                     |           |       |        | UPPER 95% LIMIT ON THE RANGE    | 59.5935 |
|                          |                            |                     |           |       |        | MINIMUM VALUE                   | 15.0000 |
|                          |                            |                     |           |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 28.0000 |
|                          |                            |                     |           |       |        | 50TH PERCENTILE OR MEDIAN       | 34.0000 |
|                          |                            |                     |           |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 41.0000 |
|                          |                            |                     |           |       |        | 80TH PERCENTILE                 | 42.0000 |
|                          |                            |                     |           |       |        | 90TH PERCENTILE                 | 49.0000 |
|                          |                            |                     |           |       |        | 95TH PERCENTILE                 | 51.0000 |
|                          |                            |                     |           |       |        | 98TH PERCENTILE                 | 51.0000 |
|                          |                            |                     |           |       |        | 99TH PERCENTILE                 | 51.0000 |
|                          |                            |                     |           |       |        | MAXIMUM VALUE                   | 51.0000 |

| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| NI LKSD       | PPM                 | CHRT        |

SUMMARY STATISTICS

|                              |   |
|------------------------------|---|
| TOTAL NUMBER OF SAMPLES      | 2 |
| NUMBER OF ZERO VALUE SAMPLES | 0 |
| NUMBER OF NON-ZERO SAMPLES   | 2 |

|                    |         |
|--------------------|---------|
| ARITHMETIC MEAN    | 7.5000  |
| VARIANCE           | 4.5000  |
| STANDARD DEVIATION | 2.1213  |
| SKEW               | 0.0000  |
| EXCESS KURTOSIS    | -2.0000 |

|                            |         |
|----------------------------|---------|
| COEFFICIENT OF VARIANCE, % | 28.2843 |
|----------------------------|---------|

|                             |         |
|-----------------------------|---------|
| STANDARD ERROR OF THE MEAN  | 1.5000  |
| LOWER 95% LIMIT ON THE MEAN | 1.0455  |
| UPPER 95% LIMIT ON THE MEAN | 13.9545 |

|                              |         |
|------------------------------|---------|
| LOWER 95% LIMIT ON THE RANGE | -1.6280 |
| UPPER 95% LIMIT ON THE RANGE | 16.6280 |

|                          |        |
|--------------------------|--------|
| GEOMETRIC MEAN           | 7.3485 |
| LOG10 MEAN               | .8662  |
| LOG10 VARIANCE           | .0155  |
| LOG10 STANDARD DEVIATION | .1245  |

|                             |         |
|-----------------------------|---------|
| STANDARD ERROR ON THE MEAN  | .0880   |
| LOWER 95% LIMIT ON THE MEAN | 3.0714  |
| UPPER 95% LIMIT ON THE MEAN | 17.5816 |

|                              |         |
|------------------------------|---------|
| LOWER 95% LIMIT ON THE RANGE | 2.1400  |
| UPPER 95% LIMIT ON THE RANGE | 25.2340 |

|                                 |        |
|---------------------------------|--------|
| MINIMUM VALUE                   | 6.0000 |
| 25TH PERCENTILE OR 1ST QUARTILE | 6.0000 |
| 50TH PERCENTILE OR MEDIAN       | 9.0000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 9.0000 |
| 80TH PERCENTILE                 | 9.0000 |
| 90TH PERCENTILE                 | 9.0000 |
| 95TH PERCENTILE                 | 9.0000 |
| 98TH PERCENTILE                 | 9.0000 |
| 99TH PERCENTILE                 | 9.0000 |
| MAXIMUM VALUE                   | 9.0000 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 NI LKSD                      PPM                      GRNT

| HISTOGRAM |                                      |    |    |    |     |    |       |        | SUMMARY STATISTICS              |         |
|-----------|--------------------------------------|----|----|----|-----|----|-------|--------|---------------------------------|---------|
|           |                                      |    |    |    |     | N  | %     | CUM %  |                                 |         |
| **        | *                                    | *  | *  | *  | *   |    |       |        | TOTAL NUMBER OF SAMPLES         | 66      |
|           |                                      |    |    |    |     |    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 100 PPB * |                                      |    |    |    |     |    |       |        | NUMBER OF NON-ZERO SAMPLES      | 66      |
| 200 PPB * |                                      |    |    |    |     |    |       |        |                                 |         |
| 500 PPB * |                                      |    |    |    |     |    |       |        | ARITHMETIC MEAN                 | 18.9242 |
| 1 PPM *   |                                      |    |    |    |     |    |       |        | VARIANCE                        | 36.6557 |
| 2 PPM *   |                                      |    |    |    |     |    |       |        | STANDARD DEVIATION              | 6.0544  |
| 5 PPM *   |                                      |    |    |    |     |    |       |        | SKEW                            | .8812   |
| 10 PPM *  | XX                                   |    |    |    |     | 2  | 3.03  | 3.03   | EXCESS KURTOSIS                 | .9537   |
| 20 PPM *  | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    |     | 42 | 63.64 | 66.67  | COEFFICIENT OF VARIANCE, %      | 31.9928 |
| 50 PPM *  | XXXXXXXXXXXXXXXXXXXX                 |    |    |    |     | 22 | 33.33 | 100.00 | STANDARD ERROR OF THE MEAN      | .7452   |
| 100 PPM * |                                      |    |    |    |     |    |       |        | LOWER 95% LIMIT ON THE MEAN     | 17.4361 |
| 200 PPM * |                                      |    |    |    |     |    |       |        | UPPER 95% LIMIT ON THE MEAN     | 20.4123 |
| 500 PPM * |                                      |    |    |    |     |    |       |        | LOWER 95% LIMIT ON THE RANGE    | 6.8348  |
|           |                                      |    |    |    |     |    |       |        | UPPER 95% LIMIT ON THE RANGE    | 31.0137 |
|           |                                      |    |    |    |     |    |       |        |                                 |         |
|           |                                      |    |    |    |     |    |       |        | GEOMETRIC MEAN                  | 18.0134 |
|           |                                      |    |    |    |     |    |       |        | LOG10 MEAN                      | 1.2556  |
|           |                                      |    |    |    |     |    |       |        | LOG10 VARIANCE                  | .0193   |
|           |                                      |    |    |    |     |    |       |        | LOG10 STANDARD DEVIATION        | .1391   |
| **        | *                                    | *  | *  | *  | *   |    |       |        | STANDARD ERROR ON THE MEAN      | .0171   |
| 0         | 20                                   | 40 | 60 | 80 | 100 |    |       |        | LOWER 95% LIMIT ON THE MEAN     | 16.6497 |
|           |                                      |    |    |    |     |    |       |        | UPPER 95% LIMIT ON THE MEAN     | 19.4888 |
|           |                                      |    |    |    |     |    |       |        |                                 |         |
|           |                                      |    |    |    |     |    |       |        | LOWER 95% LIMIT ON THE RANGE    | 9.5027  |
|           |                                      |    |    |    |     |    |       |        | UPPER 95% LIMIT ON THE RANGE    | 34.1465 |
|           |                                      |    |    |    |     |    |       |        |                                 |         |
|           |                                      |    |    |    |     |    |       |        | MINIMUM VALUE                   | 6.0000  |
|           |                                      |    |    |    |     |    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 15.0000 |
|           |                                      |    |    |    |     |    |       |        | 50TH PERCENTILE OR MEDIAN       | 18.0000 |
|           |                                      |    |    |    |     |    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 21.0000 |
|           |                                      |    |    |    |     |    |       |        | 80TH PERCENTILE                 | 22.0000 |
|           |                                      |    |    |    |     |    |       |        | 90TH PERCENTILE                 | 28.0000 |
|           |                                      |    |    |    |     |    |       |        | 95TH PERCENTILE                 | 33.0000 |
|           |                                      |    |    |    |     |    |       |        | 98TH PERCENTILE                 | 38.0000 |
|           |                                      |    |    |    |     |    |       |        | 99TH PERCENTILE                 | 38.0000 |
|           |                                      |    |    |    |     |    |       |        | MAXIMUM VALUE                   | 38.0000 |



| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| NI LKSD       | PPM                 | UMFC        |

SUMMARY STATISTICS

|                                 |          |
|---------------------------------|----------|
| TOTAL NUMBER OF SAMPLES         | 1        |
| NUMBER OF ZERO VALUE SAMPLES    | 0        |
| NUMBER OF NON-ZERO SAMPLES      | 1        |
| ARITHMETIC MEAN                 | 134.0000 |
| VARIANCE                        | .0000    |
| STANDARD DEVIATION              | .0000    |
| SKEW                            | .0000    |
| EXCESS KURTOSIS                 | .0000    |
| COEFFICIENT OF VARIANCE, %      | .0000    |
| STANDARD ERROR OF THE MEAN      | .0000    |
| LOWER 95% LIMIT ON THE MEAN     | 134.0000 |
| UPPER 95% LIMIT ON THE MEAN     | 134.0000 |
| LOWER 95% LIMIT ON THE RANGE    | 134.0000 |
| UPPER 95% LIMIT ON THE RANGE    | 134.0000 |
| GEOMETRIC MEAN                  | 134.0000 |
| LOG10 MEAN                      | 2.1271   |
| LOG10 VARIANCE                  | .0000    |
| LOG10 STANDARD DEVIATION        | .0000    |
| STANDARD ERROR ON THE MEAN      | .0000    |
| LOWER 95% LIMIT ON THE MEAN     | 134.0000 |
| UPPER 95% LIMIT ON THE MEAN     | 134.0000 |
| LOWER 95% LIMIT ON THE RANGE    | 134.0000 |
| UPPER 95% LIMIT ON THE RANGE    | 134.0000 |
| MINIMUM VALUE                   | 134.0000 |
| 25TH PERCENTILE OR 1ST QUARTILE | 134.0000 |
| 50TH PERCENTILE OR MEDIAN       | 134.0000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 134.0000 |
| 80TH PERCENTILE                 | 134.0000 |
| 90TH PERCENTILE                 | 134.0000 |
| 95TH PERCENTILE                 | 134.0000 |
| 98TH PERCENTILE                 | 134.0000 |
| 99TH PERCENTILE                 | 134.0000 |
| MAXIMUM VALUE                   | 134.0000 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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| VARIABLE NAME      |      | UNIT OF MEASUREMENT | DATA SUBSET                     |             |
|--------------------|------|---------------------|---------------------------------|-------------|
| NI                 | LKSD | PPM                 | CGLM                            |             |
| HISTOGRAM          |      |                     |                                 |             |
|                    |      |                     | N                               | % CUM %     |
| **                 | *    | *                   | *                               | *           |
| 1 PPM              | *    | *                   | 1                               | 4.00 4.00   |
| 2 PPM              | *    | *                   | *                               | *           |
| 5 PPM              | *    | *                   | *                               | *           |
| 10 PPM             | *    | *                   | *                               | *           |
| 20 PPM             | *    | *                   | 4                               | 16.00 20.00 |
| 50 PPM             | *    | *                   | 18                              | 72.00 92.00 |
| 100 PPM            | *    | *                   | 2                               | 8.00 100.00 |
| 200 PPM            | *    | *                   | *                               | *           |
| 500 PPM            | *    | *                   | *                               | *           |
| **                 | *    | *                   | *                               | *           |
| 0                  | 20   | 40                  | 60                              | 80 100      |
| PERCENT            |      |                     |                                 |             |
| SUMMARY STATISTICS |      |                     |                                 |             |
|                    |      |                     | TOTAL NUMBER OF SAMPLES         | 25          |
|                    |      |                     | NUMBER OF ZERO VALUE SAMPLES    | 1           |
|                    |      |                     | NUMBER OF NON-ZERO SAMPLES      | 24          |
|                    |      |                     | ARITHMETIC MEAN                 | 31.2500     |
|                    |      |                     | VARIANCE                        | 115.1522    |
|                    |      |                     | STANDARD DEVIATION              | 10.7309     |
|                    |      |                     | SKEW                            | .4076       |
|                    |      |                     | EXCESS KURTOSIS                 | -.2417      |
|                    |      |                     | COEFFICIENT OF VARIANCE, %      | 34.3389     |
|                    |      |                     | STANDARD ERROR OF THE MEAN      | 2.1904      |
|                    |      |                     | LOWER 95% LIMIT ON THE MEAN     | 26.7289     |
|                    |      |                     | UPPER 95% LIMIT ON THE MEAN     | 35.7711     |
|                    |      |                     | LOWER 95% LIMIT ON THE RANGE    | 9.1014      |
|                    |      |                     | UPPER 95% LIMIT ON THE RANGE    | 53.3986     |
|                    |      |                     | GEOMETRIC MEAN                  | 29.4068     |
|                    |      |                     | LOG10 MEAN                      | 1.4684      |
|                    |      |                     | LOG10 VARIANCE                  | .0256       |
|                    |      |                     | LOG10 STANDARD DEVIATION        | .1600       |
|                    |      |                     | STANDARD ERROR ON THE MEAN      | .0327       |
|                    |      |                     | LOWER 95% LIMIT ON THE MEAN     | 25.1780     |
|                    |      |                     | UPPER 95% LIMIT ON THE MEAN     | 34.3460     |
|                    |      |                     | LOWER 95% LIMIT ON THE RANGE    | 13.7443     |
|                    |      |                     | UPPER 95% LIMIT ON THE RANGE    | 62.9179     |
|                    |      |                     | MINIMUM VALUE                   | 11.0000     |
|                    |      |                     | 25TH PERCENTILE OR 1ST QUARTILE | 25.0000     |
|                    |      |                     | 50TH PERCENTILE OR MEDIAN       | 30.0000     |
|                    |      |                     | 75TH PERCENTILE OR 3RD QUARTILE | 37.0000     |
|                    |      |                     | 80TH PERCENTILE                 | 42.0000     |
|                    |      |                     | 90TH PERCENTILE                 | 53.0000     |
|                    |      |                     | 95TH PERCENTILE                 | 53.0000     |
|                    |      |                     | 98TH PERCENTILE                 | 53.0000     |
|                    |      |                     | 99TH PERCENTILE                 | 53.0000     |
|                    |      |                     | MAXIMUM VALUE                   | 53.0000     |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 NI LKSD                      PPM                      GRCK

| HISTOGRAM |                                      |    |    |    |     | SUMMARY STATISTICS |        |                                 |         |
|-----------|--------------------------------------|----|----|----|-----|--------------------|--------|---------------------------------|---------|
|           |                                      |    |    |    | N   | %                  | CUM %  |                                 |         |
| **        | *                                    | *  | *  | *  | *   |                    |        | TOTAL NUMBER OF SAMPLES         | 45      |
|           |                                      |    |    |    | *   |                    |        | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 100 PPB * |                                      |    |    |    | *   |                    |        | NUMBER OF NON-ZERO SAMPLES      | 45      |
| 200 PPB * |                                      |    |    |    | *   |                    |        | ARITHMETIC MEAN                 | 21.8222 |
| 500 PPB * |                                      |    |    |    | *   |                    |        | VARIANCE                        | 39.4677 |
| 1 PPM *   |                                      |    |    |    | *   |                    |        | STANDARD DEVIATION              | 6.2823  |
| 2 PPM *   |                                      |    |    |    | *   |                    |        | SKEW                            | -.5840  |
| 5 PPM *   |                                      |    |    |    | *   |                    |        | EXCESS KURTOSIS                 | -.2573  |
| XXX       |                                      |    |    |    | *   |                    |        | COEFFICIENT OF VARIANCE, %      | 28.7887 |
| 10 PPM *  | XXXXXXXXXXXX                         |    |    |    | 3   | 6.67               | 6.67   | STANDARD ERROR OF THE MEAN      | .9365   |
| 20 PPM *  | XXXXXXXXXXXX                         |    |    |    | 12  | 26.67              | 33.33  | LOWER 95% LIMIT ON THE MEAN     | 19.9356 |
| 50 PPM *  | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | 30  | 66.67              | 100.00 | UPPER 95% LIMIT ON THE MEAN     | 23.7088 |
| 100 PPM * |                                      |    |    |    | *   |                    |        | LOWER 95% LIMIT ON THE RANGE    | 9.1665  |
| 200 PPM * |                                      |    |    |    | *   |                    |        | UPPER 95% LIMIT ON THE RANGE    | 34.4780 |
| 500 PPM * |                                      |    |    |    | *   |                    |        | GEOMETRIC MEAN                  | 20.6959 |
|           |                                      |    |    |    | *   |                    |        | LOG10 MEAN                      | 1.3159  |
| **        | *                                    | *  | *  | *  | *   |                    |        | LOG10 VARIANCE                  | .0240   |
| 0         | 20                                   | 40 | 60 | 80 | 100 |                    |        | LOG10 STANDARD DEVIATION        | .1550   |
|           |                                      |    |    |    |     |                    |        | STANDARD ERROR ON THE MEAN      | .0231   |
|           |                                      |    |    |    |     |                    |        | LOWER 95% LIMIT ON THE MEAN     | 18.5931 |
|           |                                      |    |    |    |     |                    |        | UPPER 95% LIMIT ON THE MEAN     | 23.0365 |
|           |                                      |    |    |    |     |                    |        | LOWER 95% LIMIT ON THE RANGE    | 10.0864 |
|           |                                      |    |    |    |     |                    |        | UPPER 95% LIMIT ON THE RANGE    | 42.4650 |
|           |                                      |    |    |    |     |                    |        | MINIMUM VALUE                   | 6.0000  |
|           |                                      |    |    |    |     |                    |        | 25TH PERCENTILE OR 1ST QUARTILE | 18.0000 |
|           |                                      |    |    |    |     |                    |        | 50TH PERCENTILE OR MEDIAN       | 22.0000 |
|           |                                      |    |    |    |     |                    |        | 75TH PERCENTILE OR 3RD QUARTILE | 26.0000 |
|           |                                      |    |    |    |     |                    |        | 80TH PERCENTILE                 | 27.0000 |
|           |                                      |    |    |    |     |                    |        | 90TH PERCENTILE                 | 30.0000 |
|           |                                      |    |    |    |     |                    |        | 95TH PERCENTILE                 | 31.0000 |
|           |                                      |    |    |    |     |                    |        | 98TH PERCENTILE                 | 32.0000 |
|           |                                      |    |    |    |     |                    |        | 99TH PERCENTILE                 | 32.0000 |
|           |                                      |    |    |    |     |                    |        | MAXIMUM VALUE                   | 32.0000 |





VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 NI LKSD                      PPM                      MVCC

| HISTOGRAM |                              |    |    |    |    | SUMMARY STATISTICS |       |                                 |          |
|-----------|------------------------------|----|----|----|----|--------------------|-------|---------------------------------|----------|
|           |                              |    |    |    | N  | %                  | CUM % |                                 |          |
|           | **                           | *  | *  | *  | *  |                    |       | TOTAL NUMBER OF SAMPLES         | 42       |
| 100 PPB * |                              |    |    |    | *  |                    |       | NUMBER OF ZERO VALUE SAMPLES    | 0        |
| 200 PPB * |                              |    |    |    | *  |                    |       | NUMBER OF NON-ZERO SAMPLES      | 42       |
| 500 PPB * |                              |    |    |    | *  |                    |       | ARITHMETIC MEAN                 | 22.9762  |
| 1 PPM *   |                              |    |    |    | *  |                    |       | VARIANCE                        | 194.9019 |
| 2 PPM *   |                              |    |    |    | *  |                    |       | STANDARD DEVIATION              | 13.9607  |
| 5 PPM *   |                              |    |    |    | *  |                    |       | SKEW                            | 2.9886   |
| 10 PPM *  | XXXX                         |    |    |    | *  | 3                  | 7.14  | EXCESS KURTOSIS                 | 11.6212  |
| 20 PPM *  | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *  | 21                 | 50.00 | COEFFICIENT OF VARIANCE, %      | 60.7617  |
| 50 PPM *  | XXXXXXXXXXXXXXXXXXXXXXXXXX   |    |    |    | *  | 17                 | 40.48 | STANDARD ERROR OF THE MEAN      | 2.1542   |
| 100 PPM * | X                            |    |    |    | *  | 1                  | 2.38  | LOWER 95% LIMIT ON THE MEAN     | 18.6282  |
| 200 PPM * |                              |    |    |    | *  |                    |       | UPPER 95% LIMIT ON THE MEAN     | 27.3242  |
| 500 PPM * |                              |    |    |    | *  |                    |       | LOWER 95% LIMIT ON THE RANGE    | -5.2021  |
|           | **                           | *  | *  | *  | *  |                    |       | UPPER 95% LIMIT ON THE RANGE    | 51.1545  |
|           | 0                            | 20 | 40 | 60 | 80 | 100                |       | GEOMETRIC MEAN                  | 20.3829  |
|           |                              |    |    |    |    |                    |       | LOG10 MEAN                      | 1.3093   |
|           |                              |    |    |    |    |                    |       | LOG10 VARIANCE                  | .0412    |
|           |                              |    |    |    |    |                    |       | LOG10 STANDARD DEVIATION        | .2030    |
|           |                              |    |    |    |    |                    |       | STANDARD ERROR ON THE MEAN      | .0313    |
|           |                              |    |    |    |    |                    |       | LOWER 95% LIMIT ON THE MEAN     | 17.6211  |
|           |                              |    |    |    |    |                    |       | UPPER 95% LIMIT ON THE MEAN     | 23.5775  |
|           |                              |    |    |    |    |                    |       | LOWER 95% LIMIT ON THE RANGE    | 7.9337   |
|           |                              |    |    |    |    |                    |       | UPPER 95% LIMIT ON THE RANGE    | 52.3665  |
|           |                              |    |    |    |    |                    |       | MINIMUM VALUE                   | 7.0000   |
|           |                              |    |    |    |    |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | 16.0000  |
|           |                              |    |    |    |    |                    |       | 50TH PERCENTILE OR MEDIAN       | 19.0000  |
|           |                              |    |    |    |    |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | 27.0000  |
|           |                              |    |    |    |    |                    |       | 80TH PERCENTILE                 | 30.0000  |
|           |                              |    |    |    |    |                    |       | 90TH PERCENTILE                 | 40.0000  |
|           |                              |    |    |    |    |                    |       | 95TH PERCENTILE                 | 48.0000  |
|           |                              |    |    |    |    |                    |       | 98TH PERCENTILE                 | 91.0000  |
|           |                              |    |    |    |    |                    |       | 99TH PERCENTILE                 | 91.0000  |
|           |                              |    |    |    |    |                    |       | MAXIMUM VALUE                   | 91.0000  |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 NI    LKSD                      PPM                      UKNN

| HISTOGRAM |                            |    |    |    |    | SUMMARY STATISTICS |       |                                 |                            |         |
|-----------|----------------------------|----|----|----|----|--------------------|-------|---------------------------------|----------------------------|---------|
|           |                            |    |    |    | N  | %                  | CUM % |                                 |                            |         |
| **        | *                          | *  | *  | *  | *  |                    |       | TOTAL NUMBER OF SAMPLES         | 73                         |         |
|           |                            |    |    |    | *  |                    |       | NUMBER OF ZERO VALUE SAMPLES    | 0                          |         |
| 1 PPM     | *                          |    |    |    | *  |                    |       | NUMBER OF NON-ZERO SAMPLES      | 73                         |         |
| 2 PPM     | *                          |    |    |    | *  |                    |       |                                 |                            |         |
| 5 PPM     | *                          |    |    |    | *  |                    |       | ARITHMETIC MEAN                 | 24.8904                    |         |
| 10 PPM    | *                          |    |    |    | *  |                    |       | VARIANCE                        | 151.2656                   |         |
|           | XXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *  | 32                 | 43.84 | 43.84                           | STANDARD DEVIATION         | 12.2990 |
| 20 PPM    | *                          |    |    |    | *  | 37                 | 50.68 | 94.52                           | SKEW                       | 2.1245  |
| 50 PPM    | *                          |    |    |    | *  | 4                  | 5.48  | 100.00                          | EXCESS KURTOSIS            | 5.9045  |
|           | XXX                        |    |    |    | *  |                    |       |                                 | COEFFICIENT OF VARIANCE, % | 49.4126 |
| 100 PPM   | *                          |    |    |    | *  |                    |       | STANDARD ERROR OF THE MEAN      | 1.4395                     |         |
| 200 PPM   | *                          |    |    |    | *  |                    |       | LOWER 95% LIMIT ON THE MEAN     | 22.0214                    |         |
| 500 PPM   | *                          |    |    |    | *  |                    |       | UPPER 95% LIMIT ON THE MEAN     | 27.7594                    |         |
|           |                            |    |    |    | *  |                    |       | LOWER 95% LIMIT ON THE RANGE    | .3777                      |         |
| **        | *                          | *  | *  | *  | *  |                    |       | UPPER 95% LIMIT ON THE RANGE    | 49.4032                    |         |
|           | 0                          | 20 | 40 | 60 | 80 | 100                |       | GEOMETRIC MEAN                  | 22.6938                    |         |
|           |                            |    |    |    |    |                    |       | LOG10 MEAN                      | 1.3559                     |         |
|           |                            |    |    |    |    |                    |       | LOG10 VARIANCE                  | .0324                      |         |
|           |                            |    |    |    |    |                    |       | LOG10 STANDARD DEVIATION        | .1801                      |         |
|           |                            |    |    |    |    |                    |       | STANDARD ERROR ON THE MEAN      | .0211                      |         |
|           |                            |    |    |    |    |                    |       | LOWER 95% LIMIT ON THE MEAN     | 20.6010                    |         |
|           |                            |    |    |    |    |                    |       | UPPER 95% LIMIT ON THE MEAN     | 24.9993                    |         |
|           |                            |    |    |    |    |                    |       | LOWER 95% LIMIT ON THE RANGE    | 9.9288                     |         |
|           |                            |    |    |    |    |                    |       | UPPER 95% LIMIT ON THE RANGE    | 51.8705                    |         |
|           |                            |    |    |    |    |                    |       | MINIMUM VALUE                   | 11.0000                    |         |
|           |                            |    |    |    |    |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | 16.0000                    |         |
|           |                            |    |    |    |    |                    |       | 50TH PERCENTILE OR MEDIAN       | 22.0000                    |         |
|           |                            |    |    |    |    |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | 30.0000                    |         |
|           |                            |    |    |    |    |                    |       | 80TH PERCENTILE                 | 33.0000                    |         |
|           |                            |    |    |    |    |                    |       | 90TH PERCENTILE                 | 37.0000                    |         |
|           |                            |    |    |    |    |                    |       | 95TH PERCENTILE                 | 51.0000                    |         |
|           |                            |    |    |    |    |                    |       | 98TH PERCENTILE                 | 78.0000                    |         |
|           |                            |    |    |    |    |                    |       | 99TH PERCENTILE                 | 78.0000                    |         |
|           |                            |    |    |    |    |                    |       | MAXIMUM VALUE                   | 78.0000                    |         |

SUMMARY STATISTICS

| SUBSET | VARIABLE | UNITS | N   | ARITH<br>MEAN | STD<br>DEV | CV % | SKEW | EXCESS<br>KURT | 95% LIMITS<br>ON MEAN | GEOM<br>MEAN | LOG 10<br>MEAN | STD<br>DEV | 95% LIMITS<br>ON MEAN |      |      |
|--------|----------|-------|-----|---------------|------------|------|------|----------------|-----------------------|--------------|----------------|------------|-----------------------|------|------|
| DIBS   | NI LKSD  | PPM   | 253 | 29.2          | 19.6       | 66.9 | 4.46 | 31.05          | 26.8                  | 31.7         | 25.6           | 1.4079     | .2119                 | 24.1 | 27.2 |
| SMRK   | NI LKSD  | PPM   | 94  | 17.5          | 8.80       | 50.3 | 1.08 | 2.29           | 15.7                  | 19.3         | 14.8           | 1.1706     | .2986                 | 12.9 | 17.1 |
| ARGL   | NI LKSD  | PPM   | 29  | 34.1          | 9.30       | 27.3 | .11  | -.64           | 30.5                  | 37.6         | 32.8           | 1.5154     | .1270                 | 29.3 | 36.6 |
| CHRT   | NI LKSD  | PPM   | 2   | 7.50          | 2.12       | 28.3 | 0.00 | -2.00          | 1.05                  | 14.0         | 7.35           | .8662      | .1245                 | 3.07 | 17.6 |
| GRNT   | NI LKSD  | PPM   | 66  | 18.9          | 6.05       | 32.0 | .88  | .95            | 17.4                  | 20.4         | 18.0           | 1.2556     | .1391                 | 16.6 | 19.5 |
| GRNG   | NI LKSD  | PPM   | 284 | 21.5          | 10.9       | 50.6 | 7.42 | 90.73          | 20.2                  | 22.8         | 19.9           | 1.2997     | .1623                 | 19.1 | 20.8 |
| UMFC   | NI LKSD  | PPM   | 1   | 134.          | .100E-05   | .0   | .00  | .00            | 134.                  | 134.         | 134.           | 2.1271     | .0000                 | 134. | 134. |
| CGLM   | NI LKSD  | PPM   | 24  | 31.3          | 10.7       | 34.3 | .41  | -.24           | 26.7                  | 35.8         | 29.4           | 1.4684     | .1600                 | 25.2 | 34.3 |
| GRCK   | NI LKSD  | PPM   | 45  | 21.8          | 6.28       | 28.8 | -.58 | -.26           | 19.9                  | 23.7         | 20.7           | 1.3159     | .1550                 | 18.6 | 23.0 |
| BEXV   | NI LKSD  | PPM   | 8   | 23.5          | 6.05       | 25.7 | -.45 | .17            | 18.6                  | 28.4         | 22.7           | 1.3560     | .1290                 | 17.8 | 28.9 |
| MVCC   | NI LKSD  | PPM   | 42  | 23.0          | 14.0       | 60.8 | 2.99 | 11.62          | 18.6                  | 27.3         | 20.4           | 1.3093     | .2030                 | 17.6 | 23.6 |
| UKNN   | NI LKSD  | PPM   | 73  | 24.9          | 12.3       | 49.4 | 2.12 | 5.90           | 22.0                  | 27.8         | 22.7           | 1.3559     | .1801                 | 20.6 | 25.0 |

| SUBSET | VARIABLE | UNITS | N   | MIN<br>VALUE | ----- PERCENTILE ----- |         |         |         |         |         |         |         |         | MAX<br>VALUE |
|--------|----------|-------|-----|--------------|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|--------------|
|        |          |       |     |              | 25TH                   | 50TH    | 75TH    | 80TH    | 90TH    | 95TH    | 98TH    | 99TH    |         |              |
| DIBS   | NI LKSD  | PPM   | 253 | 7.000        | 18.000                 | 26.000  | 33.000  | 37.000  | 48.000  | 58.000  | 75.000  | 85.000  | 199.000 |              |
| SMRK   | NI LKSD  | PPM   | 94  | 1.000        | 13.000                 | 16.000  | 22.000  | 23.000  | 29.000  | 33.000  | 44.000  | 50.000  | 50.000  |              |
| ARGL   | NI LKSD  | PPM   | 29  | 15.000       | 28.000                 | 34.000  | 41.000  | 42.000  | 49.000  | 51.000  | 51.000  | 51.000  | 51.000  |              |
| CHRT   | NI LKSD  | PPM   | 2   | 6.000        | 6.000                  | 9.000   | 9.000   | 9.000   | 9.000   | 9.000   | 9.000   | 9.000   | 9.000   |              |
| GRNT   | NI LKSD  | PPM   | 66  | 6.000        | 15.000                 | 18.000  | 21.000  | 22.000  | 28.000  | 33.000  | 38.000  | 38.000  | 38.000  |              |
| GRNG   | NI LKSD  | PPM   | 284 | 6.000        | 16.000                 | 20.000  | 25.000  | 27.000  | 31.000  | 34.000  | 39.000  | 46.000  | 160.000 |              |
| UMFC   | NI LKSD  | PPM   | 1   | 134.000      | 134.000                | 134.000 | 134.000 | 134.000 | 134.000 | 134.000 | 134.000 | 134.000 | 134.000 |              |
| CGLM   | NI LKSD  | PPM   | 24  | 11.000       | 25.000                 | 30.000  | 37.000  | 42.000  | 53.000  | 53.000  | 53.000  | 53.000  | 53.000  |              |
| GRCK   | NI LKSD  | PPM   | 45  | 6.000        | 18.000                 | 22.000  | 26.000  | 27.000  | 30.000  | 31.000  | 32.000  | 32.000  | 32.000  |              |
| BEXV   | NI LKSD  | PPM   | 8   | 12.000       | 22.000                 | 24.000  | 27.000  | 27.000  | 33.000  | 33.000  | 33.000  | 33.000  | 33.000  |              |
| MVCC   | NI LKSD  | PPM   | 42  | 7.000        | 16.000                 | 19.000  | 27.000  | 30.000  | 40.000  | 48.000  | 91.000  | 91.000  | 91.000  |              |
| UKNN   | NI LKSD  | PPM   | 73  | 11.000       | 16.000                 | 22.000  | 30.000  | 33.000  | 37.000  | 51.000  | 78.000  | 78.000  | 78.000  |              |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 CO LKSD                      PPM                      DIBS

| HISTOGRAM |    |                      |    |    |     | SUMMARY STATISTICS |       |                                 |         |
|-----------|----|----------------------|----|----|-----|--------------------|-------|---------------------------------|---------|
|           |    |                      |    |    | N   | %                  | CUM % |                                 |         |
| **        | *  | *                    | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES         | 253     |
|           |    |                      |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 100 PPB   | *  |                      |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES      | 253     |
| 200 PPB   | *  |                      |    |    | *   |                    |       | ARITHMETIC MEAN                 | 11.9881 |
| 500 PPB   | *  |                      |    |    | *   |                    |       | VARIANCE                        | 33.7657 |
| 1 PPM     | *  |                      |    |    | *   |                    |       | STANDARD DEVIATION              | 5.8108  |
|           | I  |                      |    |    | *   | 2                  | .79   | SKEW                            | 1.7131  |
| 2 PPM     | *  |                      |    |    | *   | 17                 | 6.72  | EXCESS KURTOSIS                 | 5.4269  |
| 5 PPM     | *  | XXX                  |    |    | *   | 92                 | 36.36 | COEFFICIENT OF VARIANCE, %      | 48.4715 |
|           |    | XXXXXXXXXXXXXXXXXXXX |    |    | *   | 123                | 48.62 | STANDARD ERROR OF THE MEAN      | .3653   |
| 10 PPM    | *  |                      |    |    | *   | 19                 | 7.51  | LOWER 95% LIMIT ON THE MEAN     | 11.2685 |
|           |    | XXXXXXXXXXXXXXXXXXXX |    |    | *   |                    |       | UPPER 95% LIMIT ON THE MEAN     | 12.7078 |
| 20 PPM    | *  |                      |    |    | *   |                    |       | LOWER 95% LIMIT ON THE RANGE    | .5415   |
|           |    | XXXX                 |    |    | *   |                    |       | UPPER 95% LIMIT ON THE RANGE    | 23.4348 |
| 50 PPM    | *  |                      |    |    | *   |                    |       | GEOMETRIC MEAN                  | 10.7628 |
| 100 PPM   | *  |                      |    |    | *   |                    |       | LOG10 MEAN                      | 1.0319  |
| 200 PPM   | *  |                      |    |    | *   |                    |       | LOG10 VARIANCE                  | .0427   |
| 500 PPM   | *  |                      |    |    | *   |                    |       | LOG10 STANDARD DEVIATION        | .2065   |
| **        | *  | *                    | *  | *  | *   |                    |       | STANDARD ERROR ON THE MEAN      | .0130   |
| 0         | 20 | 40                   | 60 | 80 | 100 |                    |       | LOWER 95% LIMIT ON THE MEAN     | 10.1472 |
|           |    |                      |    |    |     |                    |       | UPPER 95% LIMIT ON THE MEAN     | 11.4157 |
|           |    |                      |    |    |     |                    |       | LOWER 95% LIMIT ON THE RANGE    | 4.2178  |
|           |    |                      |    |    |     |                    |       | UPPER 95% LIMIT ON THE RANGE    | 27.4641 |
|           |    |                      |    |    |     |                    |       | MINIMUM VALUE                   | 2.0000  |
|           |    |                      |    |    |     |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | 8.0000  |
|           |    |                      |    |    |     |                    |       | 50TH PERCENTILE OR MEDIAN       | 11.0000 |
|           |    |                      |    |    |     |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | 14.0000 |
|           |    |                      |    |    |     |                    |       | 80TH PERCENTILE                 | 15.0000 |
|           |    |                      |    |    |     |                    |       | 90TH PERCENTILE                 | 19.0000 |
|           |    |                      |    |    |     |                    |       | 95TH PERCENTILE                 | 23.0000 |
|           |    |                      |    |    |     |                    |       | 98TH PERCENTILE                 | 29.0000 |
|           |    |                      |    |    |     |                    |       | 99TH PERCENTILE                 | 33.0000 |
|           |    |                      |    |    |     |                    |       | MAXIMUM VALUE                   | 45.0000 |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 CO LKSD                      .PPM                      SMRK

| HISTOGRAM |                      |    |    |    |     | SUMMARY STATISTICS |             |                                 |         |
|-----------|----------------------|----|----|----|-----|--------------------|-------------|---------------------------------|---------|
| **        | *                    | *  | *  | *  | *   | N                  | % CUM %     |                                 |         |
| 10 PPB *  |                      |    |    |    | *   |                    |             | TOTAL NUMBER OF SAMPLES         | 94      |
| 20 PPB *  |                      |    |    |    | *   |                    |             | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 50 PPB *  |                      |    |    |    | *   |                    |             | NUMBER OF NON-ZERO SAMPLES      | 94      |
| 100 PPB * |                      |    |    |    | *   |                    |             | ARITHMETIC MEAN                 | 7.3085  |
| 200 PPB * |                      |    |    |    | *   |                    |             | VARIANCE                        | 26.6027 |
| 500 PPB * |                      |    |    |    | *   |                    |             | STANDARD DEVIATION              | 5.1578  |
| 1 PPM *   | XXX                  |    |    |    | *   | 5                  | 5.32 5.32   | SKEW                            | 2.1829  |
| 2 PPM *   | XXX                  |    |    |    | *   | 5                  | 5.32 10.64  | EXCESS KURTOSIS                 | 7.0798  |
| 5 PPM *   | XXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 30                 | 31.91 42.55 | COEFFICIENT OF VARIANCE, %      | 70.5723 |
| 10 PPM *  | XXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 38                 | 40.43 82.98 | STANDARD ERROR OF THE MEAN      | .5320   |
| 20 PPM *  | XXXXXXX              |    |    |    | *   | 13                 | 13.83 96.81 | LOWER 95% LIMIT ON THE MEAN     | 6.2520  |
| 50 PPM *  | XX                   |    |    |    | *   | 3                  | 3.19 100.00 | UPPER 95% LIMIT ON THE MEAN     | 8.3650  |
| 100 PPM * |                      |    |    |    | *   |                    |             | LOWER 95% LIMIT ON THE RANGE    | -2.9344 |
| 200 PPM * |                      |    |    |    | *   |                    |             | UPPER 95% LIMIT ON THE RANGE    | 17.5515 |
| 500 PPM * |                      |    |    |    | *   |                    |             | GEOMETRIC MEAN                  | 5.8599  |
| **        | *                    | *  | *  | *  | *   |                    |             | LOG10 MEAN                      | .7679   |
| 0         | 20                   | 40 | 60 | 80 | 100 |                    |             | LOG10 VARIANCE                  | .0926   |
|           |                      |    |    |    |     |                    |             | LOG10 STANDARD DEVIATION        | .3043   |
|           |                      |    |    |    |     |                    |             | STANDARD ERROR ON THE MEAN      | .0314   |
|           |                      |    |    |    |     |                    |             | LOWER 95% LIMIT ON THE MEAN     | 5.0763  |
|           |                      |    |    |    |     |                    |             | UPPER 95% LIMIT ON THE MEAN     | 6.7643  |
|           |                      |    |    |    |     |                    |             | LOWER 95% LIMIT ON THE RANGE    | 1.4572  |
|           |                      |    |    |    |     |                    |             | UPPER 95% LIMIT ON THE RANGE    | 23.5645 |
|           |                      |    |    |    |     |                    |             | MINIMUM VALUE                   | 1.0000  |
|           |                      |    |    |    |     |                    |             | 25TH PERCENTILE OR 1ST QUARTILE | 4.0000  |
|           |                      |    |    |    |     |                    |             | 50TH PERCENTILE OR MEDIAN       | 6.0000  |
|           |                      |    |    |    |     |                    |             | 75TH PERCENTILE OR 3RD QUARTILE | 10.0000 |
|           |                      |    |    |    |     |                    |             | 80TH PERCENTILE                 | 10.0000 |
|           |                      |    |    |    |     |                    |             | 90TH PERCENTILE                 | 12.0000 |
|           |                      |    |    |    |     |                    |             | 95TH PERCENTILE                 | 17.0000 |
|           |                      |    |    |    |     |                    |             | 98TH PERCENTILE                 | 26.0000 |
|           |                      |    |    |    |     |                    |             | 99TH PERCENTILE                 | 33.0000 |
|           |                      |    |    |    |     |                    |             | MAXIMUM VALUE                   | 33.0000 |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 CO LKSD                      PPM                      ARGL

HISTOGRAM

SUMMARY STATISTICS

|                      |    |    |    |    | N   | %  | CUM % |                                 |                              |         |
|----------------------|----|----|----|----|-----|----|-------|---------------------------------|------------------------------|---------|
| **                   | *  | *  | *  | *  | *   |    |       | TOTAL NUMBER OF SAMPLES         | 29                           |         |
|                      |    |    |    |    | *   |    |       | NUMBER OF ZERO VALUE SAMPLES    | 0                            |         |
| 100 PPB *            |    |    |    |    | *   |    |       | NUMBER OF NON-ZERO SAMPLES      | 29                           |         |
| 200 PPB *            |    |    |    |    | *   |    |       | ARITHMETIC MEAN                 | 11.2069                      |         |
| 500 PPB *            |    |    |    |    | *   |    |       | VARIANCE                        | 20.3842                      |         |
| 1 PPM *              |    |    |    |    | *   |    |       | STANDARD DEVIATION              | 4.5149                       |         |
| XX                   |    |    |    |    | *   | 1  | 3.45  | 3.45                            | SKEW                         | -.3367  |
| 2 PPM *              |    |    |    |    | *   | 3  | 10.34 | 13.79                           | EXCESS KURTOSIS              | -.7906  |
| XXXXX                |    |    |    |    | *   | 9  | 31.03 | 44.83                           | COEFFICIENT OF VARIANCE, %   | 40.2867 |
| 5 PPM *              |    |    |    |    | *   | 16 | 55.17 | 100.00                          | STANDARD ERROR OF THE MEAN   | .8384   |
| XXXXXXXXXXXXXXXXXXXX |    |    |    |    | *   |    |       |                                 | LOWER 95% LIMIT ON THE MEAN  | 9.4924  |
| 10 PPM *             |    |    |    |    | *   |    |       |                                 | UPPER 95% LIMIT ON THE MEAN  | 12.9214 |
| XXXXXXXXXXXXXXXXXXXX |    |    |    |    | *   |    |       |                                 | LOWER 95% LIMIT ON THE RANGE | 1.9739  |
| 20 PPM *             |    |    |    |    | *   |    |       |                                 | UPPER 95% LIMIT ON THE RANGE | 20.4398 |
| 50 PPM *             |    |    |    |    | *   |    |       |                                 | GEOMETRIC MEAN               | 10.0188 |
| 100 PPM *            |    |    |    |    | *   |    |       |                                 | LOG10 MEAN                   | 1.0008  |
| 200 PPM *            |    |    |    |    | *   |    |       |                                 | LOG10 VARIANCE               | .0546   |
| 500 PPM *            |    |    |    |    | *   |    |       |                                 | LOG10 STANDARD DEVIATION     | .2337   |
| **                   | *  | *  | *  | *  | *   |    |       | STANDARD ERROR ON THE MEAN      | .0434                        |         |
| 0                    | 20 | 40 | 60 | 80 | 100 |    |       | LOWER 95% LIMIT ON THE MEAN     | 8.1669                       |         |
|                      |    |    |    |    |     |    |       | UPPER 95% LIMIT ON THE MEAN     | 12.2905                      |         |
|                      |    |    |    |    |     |    |       | LOWER 95% LIMIT ON THE RANGE    | 3.3331                       |         |
|                      |    |    |    |    |     |    |       | UPPER 95% LIMIT ON THE RANGE    | 30.1143                      |         |
|                      |    |    |    |    |     |    |       | MINIMUM VALUE                   | 2.0000                       |         |
|                      |    |    |    |    |     |    |       | 25TH PERCENTILE OR 1ST QUARTILE | 8.0000                       |         |
|                      |    |    |    |    |     |    |       | 50TH PERCENTILE OR MEDIAN       | 12.0000                      |         |
|                      |    |    |    |    |     |    |       | 75TH PERCENTILE OR 3RD QUARTILE | 15.0000                      |         |
|                      |    |    |    |    |     |    |       | 80TH PERCENTILE                 | 15.0000                      |         |
|                      |    |    |    |    |     |    |       | 90TH PERCENTILE                 | 16.0000                      |         |
|                      |    |    |    |    |     |    |       | 95TH PERCENTILE                 | 19.0000                      |         |
|                      |    |    |    |    |     |    |       | 98TH PERCENTILE                 | 19.0000                      |         |
|                      |    |    |    |    |     |    |       | 99TH PERCENTILE                 | 19.0000                      |         |
|                      |    |    |    |    |     |    |       | MAXIMUM VALUE                   | 19.0000                      |         |

PERCENT

| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| CO LKSD       | PPM                 | CHRT        |

SUMMARY STATISTICS

|                              |   |
|------------------------------|---|
| TOTAL NUMBER OF SAMPLES      | 2 |
| NUMBER OF ZERO VALUE SAMPLES | 0 |
| NUMBER OF NON-ZERO SAMPLES   | 2 |

|                    |         |
|--------------------|---------|
| ARITHMETIC MEAN    | 5.5000  |
| VARIANCE           | 40.5000 |
| STANDARD DEVIATION | 6.3640  |
| SKEW               | 0.0000  |
| EXCESS KURTOSIS    | -2.0000 |

|                            |          |
|----------------------------|----------|
| COEFFICIENT OF VARIANCE, % | 115.7084 |
|----------------------------|----------|

|                             |          |
|-----------------------------|----------|
| STANDARD ERROR OF THE MEAN  | 4.5000   |
| LOWER 95% LIMIT ON THE MEAN | -13.8635 |
| UPPER 95% LIMIT ON THE MEAN | 24.8635  |

|                              |          |
|------------------------------|----------|
| LOWER 95% LIMIT ON THE RANGE | -21.8841 |
| UPPER 95% LIMIT ON THE RANGE | 32.8841  |

|                          |        |
|--------------------------|--------|
| GEOMETRIC MEAN           | 3.1623 |
| LOG10 MEAN               | .5000  |
| LOG10 VARIANCE           | .5000  |
| LOG10 STANDARD DEVIATION | .7071  |

|                             |          |
|-----------------------------|----------|
| STANDARD ERROR ON THE MEAN  | .5000    |
| LOWER 95% LIMIT ON THE MEAN | .0223    |
| UPPER 95% LIMIT ON THE MEAN | 448.2290 |

|                              |           |
|------------------------------|-----------|
| LOWER 95% LIMIT ON THE RANGE | .0029     |
| UPPER 95% LIMIT ON THE RANGE | 3488.8354 |

|                                 |         |
|---------------------------------|---------|
| MINIMUM VALUE                   | 1.0000  |
| 25TH PERCENTILE OR 1ST QUARTILE | 1.0000  |
| 50TH PERCENTILE OR MEDIAN       | 10.0000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 10.0000 |
| 80TH PERCENTILE                 | 10.0000 |
| 90TH PERCENTILE                 | 10.0000 |
| 95TH PERCENTILE                 | 10.0000 |
| 98TH PERCENTILE                 | 10.0000 |
| 99TH PERCENTILE                 | 10.0000 |
| MAXIMUM VALUE                   | 10.0000 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 CO LKSD                      PPM                      GRNT

| HISTOGRAM |                            |    |    |    |     | SUMMARY STATISTICS |        |                                 |         |
|-----------|----------------------------|----|----|----|-----|--------------------|--------|---------------------------------|---------|
|           |                            |    |    |    | N   | %                  | CUM %  |                                 |         |
| **        | *                          | *  | *  | *  | *   |                    |        | TOTAL NUMBER OF SAMPLES         | 66      |
|           |                            |    |    |    | *   |                    |        | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 10 PPB *  |                            |    |    |    | *   |                    |        | NUMBER OF NON-ZERO SAMPLES      | 66      |
| 20 PPB *  |                            |    |    |    | *   |                    |        | ARITHMETIC MEAN                 | 9.6364  |
| 50 PPB *  |                            |    |    |    | *   |                    |        | VARIANCE                        | 25.2503 |
| 100 PPB * |                            |    |    |    | *   |                    |        | STANDARD DEVIATION              | 5.0250  |
| 200 PPB * |                            |    |    |    | *   |                    |        | SKEW                            | 1.2550  |
| 500 PPB * |                            |    |    |    | *   |                    |        | EXCESS KURTOSIS                 | 2.1478  |
|           | X                          |    |    |    | *   |                    |        | COEFFICIENT OF VARIANCE, %      | 52.1459 |
| 1 PPM *   |                            |    |    |    | 1   | 1.52               | 1.52   | STANDARD ERROR OF THE MEAN      | .6185   |
| 2 PPM *   |                            |    |    |    | *   |                    |        | LOWER 95% LIMIT ON THE MEAN     | 8.4013  |
| 5 PPM *   | XXXXXXXXXX                 |    |    |    | 13  | 19.70              | 21.21  | UPPER 95% LIMIT ON THE MEAN     | 10.8714 |
| 10 PPM *  | XXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | 26  | 39.39              | 60.61  | LOWER 95% LIMIT ON THE RANGE    | -.3975  |
| 20 PPM *  | XXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | 24  | 36.36              | 96.97  | UPPER 95% LIMIT ON THE RANGE    | 19.6702 |
| 50 PPM *  | XX                         |    |    |    | 2   | 3.03               | 100.00 | GEOMETRIC MEAN                  | 8.4353  |
| 100 PPM * |                            |    |    |    | *   |                    |        | LOG10 MEAN                      | .9261   |
| 200 PPM * |                            |    |    |    | *   |                    |        | LOG10 VARIANCE                  | .0559   |
| 500 PPM * |                            |    |    |    | *   |                    |        | LOG10 STANDARD DEVIATION        | .2364   |
|           |                            |    |    |    | *   |                    |        | STANDARD ERROR ON THE MEAN      | .0291   |
|           |                            |    |    |    | *   |                    |        | LOWER 95% LIMIT ON THE MEAN     | 7.3790  |
|           |                            |    |    |    | *   |                    |        | UPPER 95% LIMIT ON THE MEAN     | 9.6429  |
|           |                            |    |    |    | *   |                    |        | LOWER 95% LIMIT ON THE RANGE    | 2.8448  |
|           |                            |    |    |    | *   |                    |        | UPPER 95% LIMIT ON THE RANGE    | 25.0124 |
| **        | *                          | *  | *  | *  | *   |                    |        | MINIMUM VALUE                   | 1.0000  |
| 0         | 20                         | 40 | 60 | 80 | 100 |                    |        | 25TH PERCENTILE OR 1ST QUARTILE | 6.0000  |
|           |                            |    |    |    |     |                    |        | 50TH PERCENTILE OR MEDIAN       | 8.0000  |
|           |                            |    |    |    |     |                    |        | 75TH PERCENTILE OR 3RD QUARTILE | 12.0000 |
|           |                            |    |    |    |     |                    |        | 80TH PERCENTILE                 | 13.0000 |
|           |                            |    |    |    |     |                    |        | 90TH PERCENTILE                 | 15.0000 |
|           |                            |    |    |    |     |                    |        | 95TH PERCENTILE                 | 19.0000 |
|           |                            |    |    |    |     |                    |        | 98TH PERCENTILE                 | 28.0000 |
|           |                            |    |    |    |     |                    |        | 99TH PERCENTILE                 | 28.0000 |
|           |                            |    |    |    |     |                    |        | MAXIMUM VALUE                   | 28.0000 |



| VARIABLE NAME |                            | UNIT OF MEASUREMENT | DATA SUBSET |    |   |       |        |                                      |
|---------------|----------------------------|---------------------|-------------|----|---|-------|--------|--------------------------------------|
| CO            | LKSD                       | PPM                 | GRNG        |    |   |       |        |                                      |
| HISTOGRAM     |                            |                     |             |    | SUMMARY STATISTICS                      |       |        |                                      |
| **            | *                          | *                   | *           | *  | N                                       | %     | CUM %  |                                      |
| 10 PPB *      |                            |                     |             | *  |   |       |        | TOTAL NUMBER OF SAMPLES 284          |
| 20 PPB *      |                            |                     |             | *  |   |       |        | NUMBER OF ZERO VALUE SAMPLES 0       |
| 50 PPB *      |                            |                     |             | *  |   |       |        | NUMBER OF NON-ZERO SAMPLES 284       |
| 100 PPB *     |                            |                     |             | *  |   |       |        | ARITHMETIC MEAN 10.9930              |
| 200 PPB *     |                            |                     |             | *  |   |       |        | VARIANCE 51.5971                     |
| 500 PPB *     |                            |                     |             | *  |   |       |        | STANDARD DEVIATION 7.1831            |
|               | X                          |                     |             | *  |   |       |        | SKEW 2.9149                          |
| 1 PPM *       |                            |                     |             | *  | 3                                       | 1.06  | 1.06   | EXCESS KURTOSIS 13.8064              |
| 2 PPM *       | I                          |                     |             | *  | 1                                       | .35   | 1.41   | COEFFICIENT OF VARIANCE, % 65.3429   |
| 5 PPM *       | XXXXXXX                    |                     |             | *  | 38                                      | 13.38 | 14.79  | STANDARD ERROR OF THE MEAN .4262     |
| 10 PPM *      | XXXXXXXXXXXXXXXXXXXXXXXXXX |                     |             | *  | 120                                     | 42.25 | 57.04  | LOWER 95% LIMIT ON THE MEAN 10.1538  |
| 20 PPM *      | XXXXXXXXXXXXXXXXXXXXXXXXXX |                     |             | *  | 103                                     | 36.27 | 93.31  | UPPER 95% LIMIT ON THE MEAN 11.8321  |
| 50 PPM *      | XXX                        |                     |             | *  | 18                                      | 6.34  | 99.65  | LOWER 95% LIMIT ON THE RANGE -3.1480 |
| 100 PPM *     | I                          |                     |             | *  | 1                                       | .35   | 100.00 | UPPER 95% LIMIT ON THE RANGE 25.1339 |
| 200 PPM *     |                            |                     |             | *  |   |       |        | GEOMETRIC MEAN 9.3519                |
| 500 PPM *     |                            |                     |             | *  |   |       |        | LOG10 MEAN .9709                     |
|               |                            |                     |             | *  |   |       |        | LOG10 VARIANCE .0620                 |
|               |                            |                     |             | *  |   |       |        | LOG10 STANDARD DEVIATION .2490       |
|               |                            |                     |             | *  |   |       |        | STANDARD ERROR ON THE MEAN .0148     |
|               |                            |                     |             | *  |   |       |        | LOWER 95% LIMIT ON THE MEAN 8.7461   |
|               |                            |                     |             | *  |   |       |        | UPPER 95% LIMIT ON THE MEAN 9.9996   |
|               |                            |                     |             | *  |   |       |        | LOWER 95% LIMIT ON THE RANGE 3.0255  |
|               |                            |                     |             | *  |   |       |        | UPPER 95% LIMIT ON THE RANGE 28.9069 |
| **            | *                          | *                   | *           | *  |   |       |        |                                      |
| 0             | 20                         | 40                  | 60          | 80 | 100                                     |       |        |                                      |
| PERCENT       |                            |                     |             |    |   |       |        |                                      |
|               |                            |                     |             |    | MINIMUM VALUE 1.0000                    |       |        |                                      |
|               |                            |                     |             |    | 25TH PERCENTILE OR 1ST QUARTILE 7.0000  |       |        |                                      |
|               |                            |                     |             |    | 50TH PERCENTILE OR MEDIAN 10.0000       |       |        |                                      |
|               |                            |                     |             |    | 75TH PERCENTILE OR 3RD QUARTILE 13.0000 |       |        |                                      |
|               |                            |                     |             |    | 80TH PERCENTILE 15.0000                 |       |        |                                      |
|               |                            |                     |             |    | 90TH PERCENTILE 17.0000                 |       |        |                                      |
|               |                            |                     |             |    | 95TH PERCENTILE 23.0000                 |       |        |                                      |
|               |                            |                     |             |    | 98TH PERCENTILE 34.0000                 |       |        |                                      |
|               |                            |                     |             |    | 99TH PERCENTILE 42.0000                 |       |        |                                      |
|               |                            |                     |             |    | MAXIMUM VALUE 64.0000                   |       |        |                                      |

| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| CO LKSD       | PPM                 | UMFC        |

SUMMARY STATISTICS

|                                 |         |
|---------------------------------|---------|
| TOTAL NUMBER OF SAMPLES         | 1       |
| NUMBER OF ZERO VALUE SAMPLES    | 0       |
| NUMBER OF NON-ZERO SAMPLES      | 1       |
| ARITHMETIC MEAN                 | 16.0000 |
| VARIANCE                        | .0000   |
| STANDARD DEVIATION              | .0000   |
| SKEW                            | .0000   |
| EXCESS KURTOSIS                 | .0000   |
| COEFFICIENT OF VARIANCE, %      | .0000   |
| STANDARD ERROR OF THE MEAN      | .0000   |
| LOWER 95% LIMIT ON THE MEAN     | 16.0000 |
| UPPER 95% LIMIT ON THE MEAN     | 16.0000 |
| LOWER 95% LIMIT ON THE RANGE    | 16.0000 |
| UPPER 95% LIMIT ON THE RANGE    | 16.0000 |
| GEOMETRIC MEAN                  | 16.0000 |
| LOG10 MEAN                      | 1.2041  |
| LOG10 VARIANCE                  | .0000   |
| LOG10 STANDARD DEVIATION        | .0000   |
| STANDARD ERROR ON THE MEAN      | .0000   |
| LOWER 95% LIMIT ON THE MEAN     | 16.0000 |
| UPPER 95% LIMIT ON THE MEAN     | 16.0000 |
| LOWER 95% LIMIT ON THE RANGE    | 16.0000 |
| UPPER 95% LIMIT ON THE RANGE    | 16.0000 |
| MINIMUM VALUE                   | 16.0000 |
| 25TH PERCENTILE OR 1ST QUARTILE | 16.0000 |
| 50TH PERCENTILE OR MEDIAN       | 16.0000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 16.0000 |
| 80TH PERCENTILE                 | 16.0000 |
| 90TH PERCENTILE                 | 16.0000 |
| 95TH PERCENTILE                 | 16.0000 |
| 98TH PERCENTILE                 | 16.0000 |
| 99TH PERCENTILE                 | 16.0000 |
| MAXIMUM VALUE                   | 16.0000 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 CO LKSD                      PPM                      CGLM

HISTOGRAM

|           | **                           | * | * | * | * | * | N  | %     | CUM %  |
|-----------|------------------------------|---|---|---|---|---|----|-------|--------|
| 100 PPB * | XX                           |   |   |   |   |   | 1  | 4.00  | 4.00   |
| 200 PPB * |                              |   |   |   |   |   |    |       |        |
| 500 PPB * |                              |   |   |   |   |   |    |       |        |
| 1 PPM *   |                              |   |   |   |   |   |    |       |        |
| 2 PPM *   |                              |   |   |   |   |   |    |       |        |
| 5 PPM *   | XX                           |   |   |   |   |   | 1  | 4.00  | 8.00   |
| 10 PPM *  | XXXXXXXXXXXXXXXXXXXX         |   |   |   |   |   | 8  | 32.00 | 40.00  |
| 20 PPM *  | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |   |   |   |   |   | 13 | 52.00 | 92.00  |
| 50 PPM *  | XXXX                         |   |   |   |   |   | 2  | 8.00  | 100.00 |
| 100 PPM * |                              |   |   |   |   |   |    |       |        |
| 200 PPM * |                              |   |   |   |   |   |    |       |        |
| 500 PPM * |                              |   |   |   |   |   |    |       |        |
| 0         |                              | * | * | * | * | * |    |       |        |

PERCENT

SUMMARY STATISTICS

|                                 |         |
|---------------------------------|---------|
| TOTAL NUMBER OF SAMPLES         | 25      |
| NUMBER OF ZERO VALUE SAMPLES    | 1       |
| NUMBER OF NON-ZERO SAMPLES      | 24      |
| ARITHMETIC MEAN                 | 12.3333 |
| VARIANCE                        | 31.1014 |
| STANDARD DEVIATION              | 5.5769  |
| SKEW                            | .5730   |
| EXCESS KURTOSIS                 | -.4423  |
| COEFFICIENT OF VARIANCE, %      | 45.2178 |
| STANDARD ERROR OF THE MEAN      | 1.1384  |
| LOWER 95% LIMIT ON THE MEAN     | 9.9837  |
| UPPER 95% LIMIT ON THE MEAN     | 14.6829 |
| LOWER 95% LIMIT ON THE RANGE    | .8227   |
| UPPER 95% LIMIT ON THE RANGE    | 23.8440 |
| GEOMETRIC MEAN                  | 11.1312 |
| LOG10 MEAN                      | 1.0465  |
| LOG10 VARIANCE                  | .0423   |
| LOG10 STANDARD DEVIATION        | .2056   |
| STANDARD ERROR ON THE MEAN      | .0420   |
| LOWER 95% LIMIT ON THE MEAN     | 9.1181  |
| UPPER 95% LIMIT ON THE MEAN     | 13.5888 |
| LOWER 95% LIMIT ON THE RANGE    | 4.1889  |
| UPPER 95% LIMIT ON THE RANGE    | 29.5790 |
| MINIMUM VALUE                   | 4.0000  |
| 25TH PERCENTILE OR 1ST QUARTILE | 8.0000  |
| 50TH PERCENTILE OR MEDIAN       | 12.0000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 17.0000 |
| 80TH PERCENTILE                 | 17.0000 |
| 90TH PERCENTILE                 | 23.0000 |
| 95TH PERCENTILE                 | 25.0000 |
| 98TH PERCENTILE                 | 25.0000 |
| 99TH PERCENTILE                 | 25.0000 |
| MAXIMUM VALUE                   | 25.0000 |

| VARIABLE NAME | UNIT OF MEASUREMENT   | DATA SUBSET |    |    |       | SUMMARY STATISTICS              |         |
|---------------|-----------------------|-------------|----|----|-------|---------------------------------|---------|
| CO LKSD       | PPM                   | GRCK        | N  | %  | CUM % |                                 |         |
| HISTOGRAM     |                       |             |    |    |       |                                 |         |
| **            | *                     | *           | *  | *  | *     |                                 |         |
| 100 PPB *     |                       |             | *  |    |       | TOTAL NUMBER OF SAMPLES         | 45      |
| 200 PPB *     |                       |             | *  |    |       | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 500 PPB *     |                       |             | *  |    |       | NUMBER OF NON-ZERO SAMPLES      | 45      |
| 1 PPM *       |                       |             | *  |    |       | ARITHMETIC MEAN                 | 11.9556 |
| 2 PPM *       |                       |             | *  |    |       | VARIANCE                        | 83.4525 |
| 5 PPM *       | XXXXXXXXXXXXX         |             | *  | 12 | 26.67 | STANDARD DEVIATION              | 9.1352  |
| 10 PPM *      | XXXXXXXXXXXXX         |             | *  | 11 | 24.44 | SKEW                            | 2.1552  |
| 20 PPM *      | XXXXXXXXXXXXXXXXXXXXX |             | *  | 17 | 37.78 | EXCESS KURTOSIS                 | 6.5469  |
| 50 PPM *      | XXXX                  |             | *  | 4  | 8.89  | COEFFICIENT OF VARIANCE, %      | 76.4100 |
| 100 PPM *     | X                     |             | *  | 1  | 2.22  | STANDARD ERROR OF THE MEAN      | 1.3618  |
| 200 PPM *     |                       |             | *  |    |       | LOWER 95% LIMIT ON THE MEAN     | 9.2122  |
| 500 PPM *     |                       |             | *  |    |       | UPPER 95% LIMIT ON THE MEAN     | 14.6989 |
| **            | *                     | *           | *  | *  | *     | LOWER 95% LIMIT ON THE RANGE    | -6.4474 |
| 0             | 20                    | 40          | 60 | 80 | 100   | UPPER 95% LIMIT ON THE RANGE    | 30.3585 |
| PERCENT       |                       |             |    |    |       | GEOMETRIC MEAN                  | 9.4371  |
|               |                       |             |    |    |       | LOG10 MEAN                      | .9748   |
|               |                       |             |    |    |       | LOG10 VARIANCE                  | .0909   |
|               |                       |             |    |    |       | LOG10 STANDARD DEVIATION        | .3015   |
|               |                       |             |    |    |       | STANDARD ERROR ON THE MEAN      | .0449   |
|               |                       |             |    |    |       | LOWER 95% LIMIT ON THE MEAN     | 7.6611  |
|               |                       |             |    |    |       | UPPER 95% LIMIT ON THE MEAN     | 11.6248 |
|               |                       |             |    |    |       | LOWER 95% LIMIT ON THE RANGE    | 2.3304  |
|               |                       |             |    |    |       | UPPER 95% LIMIT ON THE RANGE    | 38.2161 |
|               |                       |             |    |    |       | MINIMUM VALUE                   | 3.0000  |
|               |                       |             |    |    |       | 25TH PERCENTILE OR 1ST QUARTILE | 5.0000  |
|               |                       |             |    |    |       | 50TH PERCENTILE OR MEDIAN       | 10.0000 |
|               |                       |             |    |    |       | 75TH PERCENTILE OR 3RD QUARTILE | 15.0000 |
|               |                       |             |    |    |       | 80TH PERCENTILE                 | 18.0000 |
|               |                       |             |    |    |       | 90TH PERCENTILE                 | 22.0000 |
|               |                       |             |    |    |       | 95TH PERCENTILE                 | 32.0000 |
|               |                       |             |    |    |       | 98TH PERCENTILE                 | 52.0000 |
|               |                       |             |    |    |       | 99TH PERCENTILE                 | 52.0000 |
|               |                       |             |    |    |       | MAXIMUM VALUE                   | 52.0000 |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 CO LKSD                      PPM                      BEXV

| HISTOGRAM |                                      |    |    |    |     | SUMMARY STATISTICS |              |                                 |         |
|-----------|--------------------------------------|----|----|----|-----|--------------------|--------------|---------------------------------|---------|
|           |                                      |    |    |    | N   | %                  | CUM %        |                                 |         |
| **        | *                                    | *  | *  | *  | *   |                    |              | TOTAL NUMBER OF SAMPLES         | 8       |
|           |                                      |    |    |    | *   |                    |              | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 100 PPB * |                                      |    |    |    | *   |                    |              | NUMBER OF NON-ZERO SAMPLES      | 8       |
| 200 PPB * |                                      |    |    |    | *   |                    |              | ARITHMETIC MEAN                 | 7.1250  |
| 500 PPB * |                                      |    |    |    | *   |                    |              | VARIANCE                        | 6.1250  |
| 1 PPM *   |                                      |    |    |    | *   |                    |              | STANDARD DEVIATION              | 2.4749  |
| 2 PPM *   |                                      |    |    |    | *   |                    |              | SKEW                            | -.1521  |
| 5 PPM *   | XXXXXXXXXXXX                         |    |    |    | *   | 2                  | 25.00 25.00  | EXCESS KURTOSIS                 | -.6042  |
| 10 PPM *  | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 5                  | 62.50 87.50  | COEFFICIENT OF VARIANCE, %      | 34.7351 |
| 20 PPM *  | XXXXXX                               |    |    |    | *   | 1                  | 12.50 100.00 | STANDARD ERROR OF THE MEAN      | .8750   |
| 50 PPM *  |                                      |    |    |    | *   |                    |              | LOWER 95% LIMIT ON THE MEAN     | 5.1073  |
| 100 PPM * |                                      |    |    |    | *   |                    |              | UPPER 95% LIMIT ON THE MEAN     | 9.1428  |
| 200 PPM * |                                      |    |    |    | *   |                    |              | LOWER 95% LIMIT ON THE RANGE    | 1.4179  |
| 500 PPM * |                                      |    |    |    | *   |                    |              | UPPER 95% LIMIT ON THE RANGE    | 12.8321 |
| **        | *                                    | *  | *  | *  | *   |                    |              | GEOMETRIC MEAN                  | 6.6857  |
| 0         | 20                                   | 40 | 60 | 80 | 100 |                    |              | LOG10 MEAN                      | .8251   |
|           |                                      |    |    |    |     |                    |              | LOG10 VARIANCE                  | .0307   |
|           |                                      |    |    |    |     |                    |              | LOG10 STANDARD DEVIATION        | .1753   |
|           |                                      |    |    |    |     |                    |              | STANDARD ERROR ON THE MEAN      | .0620   |
|           |                                      |    |    |    |     |                    |              | LOWER 95% LIMIT ON THE MEAN     | 4.8104  |
|           |                                      |    |    |    |     |                    |              | UPPER 95% LIMIT ON THE MEAN     | 9.2919  |
|           |                                      |    |    |    |     |                    |              | LOWER 95% LIMIT ON THE RANGE    | 2.6351  |
|           |                                      |    |    |    |     |                    |              | UPPER 95% LIMIT ON THE RANGE    | 16.9627 |
|           |                                      |    |    |    |     |                    |              | MINIMUM VALUE                   | 3.0000  |
|           |                                      |    |    |    |     |                    |              | 25TH PERCENTILE OR 1ST QUARTILE | 6.0000  |
|           |                                      |    |    |    |     |                    |              | 50TH PERCENTILE OR MEDIAN       | 8.0000  |
|           |                                      |    |    |    |     |                    |              | 75TH PERCENTILE OR 3RD QUARTILE | 9.0000  |
|           |                                      |    |    |    |     |                    |              | 80TH PERCENTILE                 | 9.0000  |
|           |                                      |    |    |    |     |                    |              | 90TH PERCENTILE                 | 11.0000 |
|           |                                      |    |    |    |     |                    |              | 95TH PERCENTILE                 | 11.0000 |
|           |                                      |    |    |    |     |                    |              | 98TH PERCENTILE                 | 11.0000 |
|           |                                      |    |    |    |     |                    |              | 99TH PERCENTILE                 | 11.0000 |
|           |                                      |    |    |    |     |                    |              | MAXIMUM VALUE                   | 11.0000 |

PERCENT

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 CO LKSD                      PPM                      MVCC

| HISTOGRAM |      |                        |    |    |    | SUMMARY STATISTICS |       |                              |                                 |         |
|-----------|------|------------------------|----|----|----|--------------------|-------|------------------------------|---------------------------------|---------|
|           |      |                        |    |    | N  | %                  | CUM % |                              |                                 |         |
|           | **   | *                      | *  | *  | *  |                    |       | TOTAL NUMBER OF SAMPLES      | 42                              |         |
|           |      |                        |    |    | *  |                    |       | NUMBER OF ZERO VALUE SAMPLES | 0                               |         |
| 100 PPB   | *    |                        |    |    | *  |                    |       | NUMBER OF NON-ZERO SAMPLES   | 42                              |         |
| 200 PPB   | *    |                        |    |    | *  |                    |       | ARITHMETIC MEAN              | 6.7619                          |         |
| 500 PPB   | *    |                        |    |    | *  |                    |       | VARIANCE                     | 12.1370                         |         |
| 1 PPM     | *    |                        |    |    | *  |                    |       | STANDARD DEVIATION           | 3.4838                          |         |
|           | XXXX |                        |    |    | *  | 3                  | 7.14  | 7.14                         | SKEW                            | .8711   |
| 2 PPM     | *    |                        |    |    | *  | 16                 | 38.10 | 45.24                        | EXCESS KURTOSIS                 | .1689   |
| 5 PPM     | *    | XXXXXXXXXXXXXXXXXXXXXX |    |    | *  | 18                 | 42.86 | 88.10                        | COEFFICIENT OF VARIANCE, %      | 51.5214 |
| 10 PPM    | *    | XXXXXXXXXXXXXXXXXXXXXX |    |    | *  | 5                  | 11.90 | 100.00                       | STANDARD ERROR OF THE MEAN      | .5376   |
| 20 PPM    | *    | XXXXXX                 |    |    | *  |                    |       |                              | LOWER 95% LIMIT ON THE MEAN     | 5.6769  |
| 50 PPM    | *    |                        |    |    | *  |                    |       |                              | UPPER 95% LIMIT ON THE MEAN     | 7.8469  |
| 100 PPM   | *    |                        |    |    | *  |                    |       |                              | LOWER 95% LIMIT ON THE RANGE    | -.2699  |
| 200 PPM   | *    |                        |    |    | *  |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 13.7937 |
| 500 PPM   | *    |                        |    |    | *  |                    |       |                              | GEOMETRIC MEAN                  | 5.9341  |
|           |      |                        |    |    | *  |                    |       |                              | LOG10 MEAN                      | .7734   |
|           |      |                        |    |    | *  |                    |       |                              | LOG10 VARIANCE                  | .0527   |
|           |      |                        |    |    | *  |                    |       |                              | LOG10 STANDARD DEVIATION        | .2296   |
|           | **   | *                      | *  | *  | *  |                    |       |                              | STANDARD ERROR ON THE MEAN      | .0354   |
|           | 0    | 20                     | 40 | 60 | 80 | 100                |       |                              | LOWER 95% LIMIT ON THE MEAN     | 5.0330  |
|           |      |                        |    |    |    |                    |       |                              | UPPER 95% LIMIT ON THE MEAN     | 6.9964  |
|           |      |                        |    |    |    |                    |       |                              | LOWER 95% LIMIT ON THE RANGE    | 2.0410  |
|           |      |                        |    |    |    |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 17.2529 |
|           |      |                        |    |    |    |                    |       |                              | MINIMUM VALUE                   | 2.0000  |
|           |      |                        |    |    |    |                    |       |                              | 25TH PERCENTILE OR 1ST QUARTILE | 4.0000  |
|           |      |                        |    |    |    |                    |       |                              | 50TH PERCENTILE OR MEDIAN       | 6.0000  |
|           |      |                        |    |    |    |                    |       |                              | 75TH PERCENTILE OR 3RD QUARTILE | 9.0000  |
|           |      |                        |    |    |    |                    |       |                              | 80TH PERCENTILE                 | 10.0000 |
|           |      |                        |    |    |    |                    |       |                              | 90TH PERCENTILE                 | 13.0000 |
|           |      |                        |    |    |    |                    |       |                              | 95TH PERCENTILE                 | 15.0000 |
|           |      |                        |    |    |    |                    |       |                              | 98TH PERCENTILE                 | 16.0000 |
|           |      |                        |    |    |    |                    |       |                              | 99TH PERCENTILE                 | 16.0000 |
|           |      |                        |    |    |    |                    |       |                              | MAXIMUM VALUE                   | 16.0000 |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 CO LKSD                      PPM                      UKNN

| HISTOGRAM |                                      |    |    |    |    | SUMMARY STATISTICS |       |        |                                 |         |
|-----------|--------------------------------------|----|----|----|----|--------------------|-------|--------|---------------------------------|---------|
|           | **                                   | *  | *  | *  | *  | N                  | %     | CUM %  |                                 |         |
| 100 PPB * |                                      |    |    |    | *  |                    |       |        | TOTAL NUMBER OF SAMPLES         | 73      |
| 200 PPB * |                                      |    |    |    | *  |                    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 500 PPB * |                                      |    |    |    | *  |                    |       |        | NUMBER OF NON-ZERO SAMPLES      | 73      |
| 1 PPM *   |                                      |    |    |    | *  |                    |       |        | ARITHMETIC MEAN                 | 10.2055 |
| 2 PPM *   |                                      |    |    |    | *  |                    |       |        | VARIANCE                        | 48.9989 |
| 5 PPM *   | XXXXXXXX                             |    |    |    | *  | 12                 | 16.44 | 16.44  | STANDARD DEVIATION              | 6.9999  |
| 10 PPM *  | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *  | 42                 | 57.53 | 73.97  | SKEW                            | 2.5548  |
| 20 PPM *  | XXXXXXXXXX                           |    |    |    | *  | 14                 | 19.18 | 93.15  | EXCESS KURTOSIS                 | 6.9425  |
| 50 PPM *  | XXX                                  |    |    |    | *  | 5                  | 6.85  | 100.00 | COEFFICIENT OF VARIANCE, %      | 68.5898 |
| 100 PPM * |                                      |    |    |    | *  |                    |       |        | STANDARD ERROR OF THE MEAN      | .8193   |
| 200 PPM * |                                      |    |    |    | *  |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | 8.5726  |
| 500 PPM * |                                      |    |    |    | *  |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 11.8384 |
|           | **                                   | *  | *  | *  | *  |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | -3.7458 |
|           | 0                                    | 20 | 40 | 60 | 80 | 100                |       |        | UPPER 95% LIMIT ON THE RANGE    | 24.1568 |
|           | PERCENT                              |    |    |    |    |                    |       |        | GEOMETRIC MEAN                  | 8.7510  |
|           |                                      |    |    |    |    |                    |       |        | LOG10 MEAN                      | .9421   |
|           |                                      |    |    |    |    |                    |       |        | LOG10 VARIANCE                  | .0517   |
|           |                                      |    |    |    |    |                    |       |        | LOG10 STANDARD DEVIATION        | .2273   |
|           |                                      |    |    |    |    |                    |       |        | STANDARD ERROR ON THE MEAN      | .0266   |
|           |                                      |    |    |    |    |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | 7.7453  |
|           |                                      |    |    |    |    |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 9.8871  |
|           |                                      |    |    |    |    |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | 3.0839  |
|           |                                      |    |    |    |    |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 24.8323 |
|           |                                      |    |    |    |    |                    |       |        | MINIMUM VALUE                   | 3.0000  |
|           |                                      |    |    |    |    |                    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 6.0000  |
|           |                                      |    |    |    |    |                    |       |        | 50TH PERCENTILE OR MEDIAN       | 9.0000  |
|           |                                      |    |    |    |    |                    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 11.0000 |
|           |                                      |    |    |    |    |                    |       |        | 80TH PERCENTILE                 | 12.0000 |
|           |                                      |    |    |    |    |                    |       |        | 90TH PERCENTILE                 | 18.0000 |
|           |                                      |    |    |    |    |                    |       |        | 95TH PERCENTILE                 | 29.0000 |
|           |                                      |    |    |    |    |                    |       |        | 98TH PERCENTILE                 | 39.0000 |
|           |                                      |    |    |    |    |                    |       |        | 99TH PERCENTILE                 | 39.0000 |
|           |                                      |    |    |    |    |                    |       |        | MAXIMUM VALUE                   | 39.0000 |

SUMMARY STATISTICS

| SUBSET | VARIABLE | UNITS | N   | ARITH<br>MEAN | STD<br>DEV | CV %  | SKEW | EXCESS<br>KURT | 95% LIMITS<br>ON MEAN | GEOM<br>MEAN | LOG 10<br>MEAN | STD<br>DEV | 95% LIMITS<br>ON MEAN |          |      |
|--------|----------|-------|-----|---------------|------------|-------|------|----------------|-----------------------|--------------|----------------|------------|-----------------------|----------|------|
| DIBS   | CO LKSD  | PPM   | 253 | 12.0          | 5.81       | 48.5  | 1.71 | 5.43           | 11.3                  | 12.7         | 10.8           | 1.0319     | .2065                 | 10.1     | 11.4 |
| SMRK   | CO LKSD  | PPM   | 94  | 7.31          | 5.16       | 70.6  | 2.18 | 7.08           | 6.25                  | 8.36         | 5.86           | .7679      | .3043                 | 5.08     | 6.76 |
| ARGL   | CO LKSD  | PPM   | 29  | 11.2          | 4.51       | 40.3  | -.34 | -.79           | 9.49                  | 12.9         | 10.0           | 1.0008     | .2337                 | 8.17     | 12.3 |
| CHRT   | CO LKSD  | PPM   | 2   | 5.50          | 6.36       | 115.7 | 0.00 | -2.00          | -13.9                 | 24.9         | 3.16           | .5000      | .7071                 | .223E-01 | 448. |
| GRNT   | CO LKSD  | PPM   | 66  | 9.64          | 5.02       | 52.1  | 1.25 | 2.15           | 8.40                  | 10.9         | 8.44           | .9261      | .2364                 | 7.38     | 9.64 |
| GRNG   | CO LKSD  | PPM   | 284 | 11.0          | 7.18       | 65.3  | 2.91 | 13.81          | 10.2                  | 11.8         | 9.35           | .9709      | .2490                 | 8.75     | 10.0 |
| UMFC   | CO LKSD  | PPM   | 1   | 16.0          | .100E-05   | .0    | .00  | .00            | 16.0                  | 16.0         | 16.0           | 1.2041     | .0000                 | 16.0     | 16.0 |
| CGLM   | CO LKSD  | PPM   | 24  | 12.3          | 5.58       | 45.2  | .57  | -.44           | 9.98                  | 14.7         | 11.1           | 1.0465     | .2056                 | 9.12     | 13.6 |
| GRCK   | CO LKSD  | PPM   | 45  | 12.0          | 9.14       | 76.4  | 2.16 | 6.55           | 9.21                  | 14.7         | 9.44           | .9748      | .3015                 | 7.66     | 11.6 |
| BEXV   | CO LKSD  | PPM   | 8   | 7.13          | 2.47       | 34.7  | -.15 | -.60           | 5.11                  | 9.14         | 6.69           | .8251      | .1753                 | 4.81     | 9.29 |
| MVCC   | CO LKSD  | PPM   | 42  | 6.76          | 3.48       | 51.5  | .87  | .17            | 5.68                  | 7.85         | 5.93           | .7734      | .2296                 | 5.03     | 7.00 |
| UKNN   | CO LKSD  | PPM   | 73  | 10.2          | 7.00       | 68.6  | 2.55 | 6.94           | 8.57                  | 11.8         | 8.75           | .9421      | .2273                 | 7.75     | 9.89 |

| SUBSET | VARIABLE | UNITS | N   | MIN<br>VALUE | ----- PERCENTILE ----- |        |        |        |        |        |        |        |        | MAX<br>VALUE |
|--------|----------|-------|-----|--------------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
|        |          |       |     |              | 25TH                   | 50TH   | 75TH   | 80TH   | 90TH   | 95TH   | 98TH   | 99TH   |        |              |
| DIBS   | CO LKSD  | PPM   | 253 | 2.000        | 8.000                  | 11.000 | 14.000 | 15.000 | 19.000 | 23.000 | 29.000 | 33.000 | 45.000 |              |
| SMRK   | CO LKSD  | PPM   | 94  | 1.000        | 4.000                  | 6.000  | 10.000 | 10.000 | 12.000 | 17.000 | 26.000 | 33.000 | 33.000 |              |
| ARGL   | CO LKSD  | PPM   | 29  | 2.000        | 8.000                  | 12.000 | 15.000 | 15.000 | 16.000 | 19.000 | 19.000 | 19.000 | 19.000 |              |
| CHRT   | CO LKSD  | PPM   | 2   | 1.000        | 1.000                  | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |              |
| GRNT   | CO LKSD  | PPM   | 66  | 1.000        | 6.000                  | 8.000  | 12.000 | 13.000 | 15.000 | 19.000 | 28.000 | 28.000 | 28.000 |              |
| GRNG   | CO LKSD  | PPM   | 284 | 1.000        | 7.000                  | 10.000 | 13.000 | 15.000 | 17.000 | 23.000 | 34.000 | 42.000 | 64.000 |              |
| UMFC   | CO LKSD  | PPM   | 1   | 16.000       | 16.000                 | 16.000 | 16.000 | 16.000 | 16.000 | 16.000 | 16.000 | 16.000 | 16.000 |              |
| CGLM   | CO LKSD  | PPM   | 24  | 4.000        | 8.000                  | 12.000 | 17.000 | 17.000 | 23.000 | 25.000 | 25.000 | 25.000 | 25.000 |              |
| GRCK   | CO LKSD  | PPM   | 45  | 3.000        | 5.000                  | 10.000 | 15.000 | 18.000 | 22.000 | 32.000 | 52.000 | 52.000 | 52.000 |              |
| BEXV   | CO LKSD  | PPM   | 8   | 3.000        | 6.000                  | 8.000  | 9.000  | 9.000  | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |              |
| MVCC   | CO LKSD  | PPM   | 42  | 2.000        | 4.000                  | 6.000  | 9.000  | 10.000 | 13.000 | 15.000 | 16.000 | 16.000 | 16.000 |              |
| UKNN   | CO LKSD  | PPM   | 73  | 3.000        | 6.000                  | 9.000  | 11.000 | 12.000 | 18.000 | 29.000 | 39.000 | 39.000 | 39.000 |              |



VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 AG LKSD                      PPM                      DIBS

HISTOGRAM

SUMMARY STATISTICS

|           | **   | *  | *  | *  | *  | *   | N   | %     | CUM %  |                                 |          |
|-----------|--|----|----|----|----|-----|-----|-------|--------|---------------------------------|----------|
|           |  |    |    |    |    |     |     |       |        | TOTAL NUMBER OF SAMPLES         | 253      |
|           |  |    |    |    |    |     |     |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0        |
|           |  |    |    |    |    |     |     |       |        | NUMBER OF NON-ZERO SAMPLES      | 253      |
| 1 PPB *   |  |    |    |    |    | *   |     |       |        | ARITHMETIC MEAN                 | .1545    |
| 2 PPB *   |  |    |    |    |    | *   |     |       |        | VARIANCE                        | .0368    |
| 5 PPB *   |  |    |    |    |    | *   |     |       |        | STANDARD DEVIATION              | .1918    |
| 10 PPB *  |  |    |    |    |    | *   |     |       |        | SKEW                            | 5.7590   |
| 20 PPB *  |  |    |    |    |    | *   |     |       |        | EXCESS KURTOSIS                 | 41.3142  |
| 50 PPB *  |  |    |    |    |    | *   |     |       |        | COEFFICIENT OF VARIANCE, %      | 124.0851 |
| 100 PPB * | XX |    |    |    |    | *   | 209 | 82.61 | 82.61  | STANDARD ERROR OF THE MEAN      | .0121    |
| 200 PPB * | XXXXX  |    |    |    |    | *   | 24  | 9.49  | 92.09  | LOWER 95% LIMIT ON THE MEAN     | .1308    |
| 500 PPB * | XX   |    |    |    |    | *   | 9   | 3.56  | 95.65  | UPPER 95% LIMIT ON THE MEAN     | .1783    |
| 1 PPM *   | XX   |    |    |    |    | *   | 8   | 3.16  | 98.81  | LOWER 95% LIMIT ON THE RANGE    | -.2232   |
| 2 PPM *   | X  |    |    |    |    | *   | 3   | 1.19  | 100.00 | UPPER 95% LIMIT ON THE RANGE    | .5323    |
| 5 PPM *   |  |    |    |    |    | *   |     |       |        | GEOMETRIC MEAN                  | .1228    |
| 10 PPM *  |  |    |    |    |    | *   |     |       |        | LOG10 MEAN                      | -.9109   |
| 20 PPM *  |  |    |    |    |    | *   |     |       |        | LOG10 VARIANCE                  | .0510    |
| 50 PPM *  |  |    |    |    |    | *   |     |       |        | LOG10 STANDARD DEVIATION        | .2257    |
|           |  |    |    |    |    | *   |     |       |        | STANDARD ERROR ON THE MEAN      | .0142    |
|           |  |    |    |    |    | *   |     |       |        | LOWER 95% LIMIT ON THE MEAN     | .1151    |
|           |  |    |    |    |    | *   |     |       |        | UPPER 95% LIMIT ON THE MEAN     | .1309    |
|           |  |    |    |    |    | *   |     |       |        | LOWER 95% LIMIT ON THE RANGE    | .0441    |
|           |  |    |    |    |    | *   |     |       |        | UPPER 95% LIMIT ON THE RANGE    | .3418    |
|           | **   | *  | *  | *  | *  | *   |     |       |        | MINIMUM VALUE                   | .1000    |
|           | 0  | 20 | 40 | 60 | 80 | 100 |     |       |        | 25TH PERCENTILE OR 1ST QUARTILE | .1000    |
|           |  |    |    |    |    |     |     |       |        | 50TH PERCENTILE OR MEDIAN       | .1000    |
|           |  |    |    |    |    |     |     |       |        | 75TH PERCENTILE OR 3RD QUARTILE | .1000    |
|           |  |    |    |    |    |     |     |       |        | 80TH PERCENTILE                 | .1000    |
|           |  |    |    |    |    |     |     |       |        | 90TH PERCENTILE                 | .2000    |
|           |  |    |    |    |    |     |     |       |        | 95TH PERCENTILE                 | .4000    |
|           |  |    |    |    |    |     |     |       |        | 98TH PERCENTILE                 | .8000    |
|           |  |    |    |    |    |     |     |       |        | 99TH PERCENTILE                 | 1.2000   |
|           |  |    |    |    |    |     |     |       |        | MAXIMUM VALUE                   | 2.0000   |

PERCENT

| VARIABLE NAME |      | UNIT OF MEASUREMENT | DATA SUBSET |   |    |       |        | SUMMARY STATISTICS              |         |
|---------------|------|---------------------|-------------|---|----|-------|--------|---------------------------------|---------|
| AG            | LKSD | PPM                 | SMRK        |   |    |       |        |                                 |         |
| HISTOGRAM     |      |                     |             |   |    |       |        |                                 |         |
| **            | *    | *                   | *           | * | N  | %     | CUM %  |                                 |         |
| 1             | PPB  | *                   | *           | * |    |       |        | TOTAL NUMBER OF SAMPLES         | 94      |
| 2             | PPB  | *                   | *           | * |    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 5             | PPB  | *                   | *           | * |    |       |        | NUMBER OF NON-ZERO SAMPLES      | 94      |
| 10            | PPB  | *                   | *           | * |    |       |        | ARITHMETIC MEAN                 | .1223   |
| 20            | PPB  | *                   | *           | * |    |       |        | VARIANCE                        | .0110   |
| 50            | PPB  | *                   | *           | * |    |       |        | STANDARD DEVIATION              | .1049   |
| 100           | PPB  | *                   | *           | * |    |       |        | SKEW                            | 5.8967  |
| 200           | PPB  | *                   | *           | * |    |       |        | EXCESS KURTOSIS                 | 34.9852 |
| 500           | PPB  | *                   | *           | * |    |       |        | COEFFICIENT OF VARIANCE, %      | 85.7323 |
| 1             | PPM  | *                   | *           | * | 86 | 91.49 | 91.49  | STANDARD ERROR OF THE MEAN      | .0108   |
| 2             | PPM  | *                   | *           | * | 5  | 5.32  | 96.81  | LOWER 95% LIMIT ON THE MEAN     | .1009   |
| 5             | PPM  | *                   | *           | * | 1  | 1.06  | 97.87  | UPPER 95% LIMIT ON THE MEAN     | .1438   |
| 10            | PPM  | *                   | *           | * | 2  | 2.13  | 100.00 | LOWER 95% LIMIT ON THE RANGE    | -.0860  |
| 20            | PPM  | *                   | *           | * |    |       |        | UPPER 95% LIMIT ON THE RANGE    | .3306   |
| 50            | PPM  | *                   | *           | * |    |       |        | GEOMETRIC MEAN                  | .1097   |
| 100           | PPM  | *                   | *           | * |    |       |        | LOG10 MEAN                      | -.9597  |
| 200           | PPM  | *                   | *           | * |    |       |        | LOG10 VARIANCE                  | .0232   |
| 500           | PPM  | *                   | *           | * |    |       |        | LOG10 STANDARD DEVIATION        | .1524   |
| 1             | PPM  | *                   | *           | * |    |       |        | STANDARD ERROR ON THE MEAN      | .0157   |
| 2             | PPM  | *                   | *           | * |    |       |        | LOWER 95% LIMIT ON THE MEAN     | .1021   |
| 5             | PPM  | *                   | *           | * |    |       |        | UPPER 95% LIMIT ON THE MEAN     | .1179   |
| 10            | PPM  | *                   | *           | * |    |       |        | LOWER 95% LIMIT ON THE RANGE    | .0547   |
| 20            | PPM  | *                   | *           | * |    |       |        | UPPER 95% LIMIT ON THE RANGE    | .2202   |
| 50            | PPM  | *                   | *           | * |    |       |        | MINIMUM VALUE                   | .1000   |
| 100           | PPM  | *                   | *           | * |    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | .1000   |
| 200           | PPM  | *                   | *           | * |    |       |        | 50TH PERCENTILE OR MEDIAN       | .1000   |
| 500           | PPM  | *                   | *           | * |    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | .1000   |
| 1000          | PPM  | *                   | *           | * |    |       |        | 80TH PERCENTILE                 | .1000   |
| 2000          | PPM  | *                   | *           | * |    |       |        | 90TH PERCENTILE                 | .1000   |
| 5000          | PPM  | *                   | *           | * |    |       |        | 95TH PERCENTILE                 | .2000   |
| 10000         | PPM  | *                   | *           | * |    |       |        | 98TH PERCENTILE                 | .8000   |
| 20000         | PPM  | *                   | *           | * |    |       |        | 99TH PERCENTILE                 | .8000   |
| 50000         | PPM  | *                   | *           | * |    |       |        | MAXIMUM VALUE                   | .8000   |

PERCENT



|               |                     |             |
|---------------|---------------------|-------------|
| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
| AG LKSD       | PPM                 | CHRT        |

SUMMARY STATISTICS

|                                 |         |
|---------------------------------|---------|
| TOTAL NUMBER OF SAMPLES         | 2       |
| NUMBER OF ZERO VALUE SAMPLES    | 0       |
| NUMBER OF NON-ZERO SAMPLES      | 2       |
| ARITHMETIC MEAN                 | .1000   |
| VARIANCE                        | .0000   |
| STANDARD DEVIATION              | .0010   |
| SKEW                            | 0.0000  |
| EXCESS KURTOSIS                 | -3.0000 |
| COEFFICIENT OF VARIANCE, %      | 1.0000  |
| STANDARD ERROR OF THE MEAN      | .0007   |
| LOWER 95% LIMIT ON THE MEAN     | .0970   |
| UPPER 95% LIMIT ON THE MEAN     | .1030   |
| LOWER 95% LIMIT ON THE RANGE    | .0957   |
| UPPER 95% LIMIT ON THE RANGE    | .1043   |
| GEOMETRIC MEAN                  | .1000   |
| LOG10 MEAN                      | -1.0000 |
| LOG10 VARIANCE                  | .0000   |
| LOG10 STANDARD DEVIATION        | .0010   |
| STANDARD ERROR ON THE MEAN      | .0007   |
| LOWER 95% LIMIT ON THE MEAN     | .0993   |
| UPPER 95% LIMIT ON THE MEAN     | .1007   |
| LOWER 95% LIMIT ON THE RANGE    | .0990   |
| UPPER 95% LIMIT ON THE RANGE    | .1010   |
| MINIMUM VALUE                   | .1000   |
| 25TH PERCENTILE OR 1ST QUARTILE | .1000   |
| 50TH PERCENTILE OR MEDIAN       | .1000   |
| 75TH PERCENTILE OR 3RD QUARTILE | .1000   |
| 80TH PERCENTILE                 | .1000   |
| 90TH PERCENTILE                 | .1000   |
| 95TH PERCENTILE                 | .1000   |
| 98TH PERCENTILE                 | .1000   |
| 99TH PERCENTILE                 | .1000   |
| MAXIMUM VALUE                   | .1000   |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 AG LKSD                      PPM                      GRNT

| HISTOGRAM |    |  |    |    |     | SUMMARY STATISTICS |       |                              |                                 |         |
|-----------|----|--|----|----|-----|--------------------|-------|------------------------------|---------------------------------|---------|
|           |    |  |    |    | N   | %                  | CUM % |                              |                                 |         |
| **        | *  | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES      | 66                              |         |
|           |    |  |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES | 0                               |         |
| 1 PPB     | *  |  |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES   | 66                              |         |
| 2 PPB     | *  |  |    |    | *   |                    |       | ARITHMETIC MEAN              | .1152                           |         |
| 5 PPB     | *  |  |    |    | *   |                    |       | VARIANCE                     | .0022                           |         |
| 10 PPB    | *  |  |    |    | *   |                    |       | STANDARD DEVIATION           | .0472                           |         |
| 20 PPB    | *  |  |    |    | *   |                    |       | SKEW                         | 4.0064                          |         |
| 50 PPB    | *  |  |    |    | *   |                    |       | EXCESS KURTOSIS              | 18.8605                         |         |
| 100 PPB   | *  | XX |    |    | *   | 58                 | 87.88 | 87.88                        | COEFFICIENT OF VARIANCE, %      | 40.9950 |
| 200 PPB   | *  | XXXXX  |    |    | *   | 7                  | 10.61 | 98.48                        | STANDARD ERROR OF THE MEAN      | .0058   |
| 500 PPB   | *  | X  |    |    | *   | 1                  | 1.52  | 100.00                       | LOWER 95% LIMIT ON THE MEAN     | .1035   |
| 1 PPM     | *  |  |    |    | *   |                    |       |                              | UPPER 95% LIMIT ON THE MEAN     | .1268   |
| 2 PPM     | *  |  |    |    | *   |                    |       |                              | LOWER 95% LIMIT ON THE RANGE    | .0209   |
| 5 PPM     | *  |  |    |    | *   |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | .2094   |
| **        | *  | *  | *  | *  | *   |                    |       |                              | GEOMETRIC MEAN                  | .1099   |
| 0         | 20 | 40   | 60 | 80 | 100 |                    |       |                              | LOG10 MEAN                      | -.9590  |
|           |    |  |    |    |     |                    |       |                              | LOG10 VARIANCE                  | .0136   |
|           |    |  |    |    |     |                    |       |                              | LOG10 STANDARD DEVIATION        | .1167   |
|           |    |  |    |    |     |                    |       |                              | STANDARD ERROR ON THE MEAN      | .0144   |
|           |    |  |    |    |     |                    |       |                              | LOWER 95% LIMIT ON THE MEAN     | .1029   |
|           |    |  |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE MEAN     | .1174   |
|           |    |  |    |    |     |                    |       |                              | LOWER 95% LIMIT ON THE RANGE    | .0643   |
|           |    |  |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | .1880   |
|           |    |  |    |    |     |                    |       |                              | MINIMUM VALUE                   | .1000   |
|           |    |  |    |    |     |                    |       |                              | 25TH PERCENTILE OR 1ST QUARTILE | .1000   |
|           |    |  |    |    |     |                    |       |                              | 50TH PERCENTILE OR MEDIAN       | .1000   |
|           |    |  |    |    |     |                    |       |                              | 75TH PERCENTILE OR 3RD QUARTILE | .1000   |
|           |    |  |    |    |     |                    |       |                              | 80TH PERCENTILE                 | .1000   |
|           |    |  |    |    |     |                    |       |                              | 90TH PERCENTILE                 | .2000   |
|           |    |  |    |    |     |                    |       |                              | 95TH PERCENTILE                 | .2000   |
|           |    |  |    |    |     |                    |       |                              | 98TH PERCENTILE                 | .4000   |
|           |    |  |    |    |     |                    |       |                              | 99TH PERCENTILE                 | .4000   |
|           |    |  |    |    |     |                    |       |                              | MAXIMUM VALUE                   | .4000   |

PERCENT

| VARIABLE NAME |      | UNIT OF MEASUREMENT                                  | DATA SUBSET |     |       |        | SUMMARY STATISTICS |       |                                       |
|---------------|------|--|-------------|-----|-------|--------|--------------------|-------|---------------------------------------|
| AG            | LKSD | PPM  | GRNG        |     |       |        |                    |       |                                       |
| HISTOGRAM     |      |  |             |     |       |        |                    |       |                                       |
| **            | *    | *  | *           | *   | *     | N      | %                  | CUM % |                                       |
| 1 PPB         | *    |  |             | *   | *     |        |                    |       | TOTAL NUMBER OF SAMPLES 284           |
| 2 PPB         | *    |  |             | *   | *     |        |                    |       | NUMBER OF ZERO VALUE SAMPLES 0        |
| 5 PPB         | *    |  |             | *   | *     |        |                    |       | NUMBER OF NON-ZERO SAMPLES 284        |
| 10 PPB        | *    |  |             | *   | *     |        |                    |       | ARITHMETIC MEAN .1127                 |
| 20 PPB        | *    |  |             | *   | *     |        |                    |       | VARIANCE .0032                        |
| 50 PPB        | *    |  |             | *   | *     |        |                    |       | STANDARD DEVIATION .0562              |
| 100 PPB       | *    | XX | *           | 256 | 90.14 | 90.14  |                    |       | SKEW 10.1896                          |
| 200 PPB       | *    | XXXXX  | *           | 26  | 9.15  | 99.30  |                    |       | EXCESS KURTOSIS 134.4036              |
| 500 PPB       | *    | I  | *           | 1   | .35   | 99.65  |                    |       | COEFFICIENT OF VARIANCE, % 49.8922    |
| 1 PPM         | *    | I  | *           | 1   | .35   | 100.00 |                    |       | STANDARD ERROR OF THE MEAN .0033      |
| 2 PPM         | *    |  | *           |     |       |        |                    |       | LOWER 95% LIMIT ON THE MEAN .1061     |
| 5 PPM         | *    |  | *           |     |       |        |                    |       | UPPER 95% LIMIT ON THE MEAN .1192     |
| **            | *    | *  | *           | *   | *     |        |                    |       | LOWER 95% LIMIT ON THE RANGE .0020    |
| 0             | 20   | 40   | 60          | 80  | 100   |        |                    |       | UPPER 95% LIMIT ON THE RANGE .2233    |
| PERCENT       |      |  |             |     |       |        |                    |       | GEOMETRIC MEAN .1078                  |
|               |      |  |             |     |       |        |                    |       | LOG10 MEAN -.9674                     |
|               |      |  |             |     |       |        |                    |       | LOG10 VARIANCE .0113                  |
|               |      |  |             |     |       |        |                    |       | LOG10 STANDARD DEVIATION .1062        |
|               |      |  |             |     |       |        |                    |       | STANDARD ERROR ON THE MEAN .0063      |
|               |      |  |             |     |       |        |                    |       | LOWER 95% LIMIT ON THE MEAN .1048     |
|               |      |  |             |     |       |        |                    |       | UPPER 95% LIMIT ON THE MEAN .1109     |
|               |      |  |             |     |       |        |                    |       | LOWER 95% LIMIT ON THE RANGE .0666    |
|               |      |  |             |     |       |        |                    |       | UPPER 95% LIMIT ON THE RANGE .1745    |
|               |      |  |             |     |       |        |                    |       | MINIMUM VALUE .1000                   |
|               |      |  |             |     |       |        |                    |       | 25TH PERCENTILE OR 1ST QUARTILE .1000 |
|               |      |  |             |     |       |        |                    |       | 50TH PERCENTILE OR MEDIAN .1000       |
|               |      |  |             |     |       |        |                    |       | 75TH PERCENTILE OR 3RD QUARTILE .1000 |
|               |      |  |             |     |       |        |                    |       | 80TH PERCENTILE .1000                 |
|               |      |  |             |     |       |        |                    |       | 90TH PERCENTILE .2000                 |
|               |      |  |             |     |       |        |                    |       | 95TH PERCENTILE .2000                 |
|               |      |  |             |     |       |        |                    |       | 98TH PERCENTILE .2000                 |
|               |      |  |             |     |       |        |                    |       | 99TH PERCENTILE .2000                 |
|               |      |  |             |     |       |        |                    |       | MAXIMUM VALUE .9000                   |

| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| AG LKSD       | PPM                 | UMFC        |

SUMMARY STATISTICS

|                                 |         |
|---------------------------------|---------|
| TOTAL NUMBER OF SAMPLES         | 1       |
| NUMBER OF ZERO VALUE SAMPLES    | 0       |
| NUMBER OF NON-ZERO SAMPLES      | 1       |
| ARITHMETIC MEAN                 | .1000   |
| VARIANCE                        | .0000   |
| STANDARD DEVIATION              | .0000   |
| SKEW                            | .0000   |
| EXCESS KURTOSIS                 | .0000   |
| COEFFICIENT OF VARIANCE, %      | .0000   |
| STANDARD ERROR OF THE MEAN      | .0000   |
| LOWER 95% LIMIT ON THE MEAN     | .1000   |
| UPPER 95% LIMIT ON THE MEAN     | .1000   |
| LOWER 95% LIMIT ON THE RANGE    | .1000   |
| UPPER 95% LIMIT ON THE RANGE    | .1000   |
| GEOMETRIC MEAN                  | .1000   |
| LOG10 MEAN                      | -1.0000 |
| LOG10 VARIANCE                  | .0000   |
| LOG10 STANDARD DEVIATION        | .0000   |
| STANDARD ERROR ON THE MEAN      | .0000   |
| LOWER 95% LIMIT ON THE MEAN     | .1000   |
| UPPER 95% LIMIT ON THE MEAN     | .1000   |
| LOWER 95% LIMIT ON THE RANGE    | .1000   |
| UPPER 95% LIMIT ON THE RANGE    | .1000   |
| MINIMUM VALUE                   | .1000   |
| 25TH PERCENTILE OR 1ST QUARTILE | .1000   |
| 50TH PERCENTILE OR MEDIAN       | .1000   |
| 75TH PERCENTILE OR 3RD QUARTILE | .1000   |
| 80TH PERCENTILE                 | .1000   |
| 90TH PERCENTILE                 | .1000   |
| 95TH PERCENTILE                 | .1000   |
| 98TH PERCENTILE                 | .1000   |
| 99TH PERCENTILE                 | .1000   |
| MAXIMUM VALUE                   | .1000   |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 AG LKSD                      PPM                      CGLM

| HISTOGRAM |    |  |    |    |    | SUMMARY STATISTICS |       |                                 |         |
|-----------|----|--|----|----|----|--------------------|-------|---------------------------------|---------|
|           |    |  |    |    | N  | %                  | CUM % |                                 |         |
|           | ** | *  | *  | *  | *  |                    |       | TOTAL NUMBER OF SAMPLES         | 25      |
|           | XX |  |    |    | *  | 1                  | 4.00  | NUMBER OF ZERO VALUE SAMPLES    | 1       |
| 1 PPB     | *  |  |    |    | *  |                    |       | NUMBER OF NON-ZERO SAMPLES      | 24      |
| 2 PPB     | *  |  |    |    | *  |                    |       |                                 |         |
| 5 PPB     | *  |  |    |    | *  |                    |       | ARITHMETIC MEAN                 | .1042   |
| 10 PPB    | *  |  |    |    | *  |                    |       | VARIANCE                        | .0004   |
| 20 PPB    | *  |  |    |    | *  |                    |       | STANDARD DEVIATION              | .0204   |
| 50 PPB    | *  |  |    |    | *  |                    |       | SKEW                            | 4.5873  |
| 100 PPB   | *  | XX |    |    | *  | 23                 | 92.00 | EXCESS KURTOSIS                 | 19.0435 |
| 200 PPB   | *  |  |    |    | *  | 1                  | 4.00  | COEFFICIENT OF VARIANCE, %      | 19.5959 |
| 500 PPB   | *  |  |    |    | *  |                    |       | STANDARD ERROR OF THE MEAN      | .0042   |
| 1 PPM     | *  |  |    |    | *  |                    |       | LOWER 95% LIMIT ON THE MEAN     | .0956   |
| 2 PPM     | *  |  |    |    | *  |                    |       | UPPER 95% LIMIT ON THE MEAN     | .1128   |
| 5 PPM     | *  |  |    |    | *  |                    |       | LOWER 95% LIMIT ON THE RANGE    | .0620   |
|           | ** | *  | *  | *  | *  |                    |       | UPPER 95% LIMIT ON THE RANGE    | .1463   |
|           | 0  | 20   | 40 | 60 | 80 | 100                |       | GEOMETRIC MEAN                  | .1029   |
|           |    |  |    |    |    |                    |       | LOG10 MEAN                      | -.9875  |
|           |    |  |    |    |    |                    |       | LOG10 VARIANCE                  | .0038   |
|           |    |  |    |    |    |                    |       | LOG10 STANDARD DEVIATION        | .0614   |
|           |    |  |    |    |    |                    |       | STANDARD ERROR ON THE MEAN      | .0125   |
|           |    |  |    |    |    |                    |       | LOWER 95% LIMIT ON THE MEAN     | .0970   |
|           |    |  |    |    |    |                    |       | UPPER 95% LIMIT ON THE MEAN     | .1093   |
|           |    |  |    |    |    |                    |       | LOWER 95% LIMIT ON THE RANGE    | .0769   |
|           |    |  |    |    |    |                    |       | UPPER 95% LIMIT ON THE RANGE    | .1378   |
|           |    |  |    |    |    |                    |       | MINIMUM VALUE                   | .1000   |
|           |    |  |    |    |    |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | .1000   |
|           |    |  |    |    |    |                    |       | 50TH PERCENTILE OR MEDIAN       | .1000   |
|           |    |  |    |    |    |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | .1000   |
|           |    |  |    |    |    |                    |       | 80TH PERCENTILE                 | .1000   |
|           |    |  |    |    |    |                    |       | 90TH PERCENTILE                 | .1000   |
|           |    |  |    |    |    |                    |       | 95TH PERCENTILE                 | .2000   |
|           |    |  |    |    |    |                    |       | 98TH PERCENTILE                 | .2000   |
|           |    |  |    |    |    |                    |       | 99TH PERCENTILE                 | .2000   |
|           |    |  |    |    |    |                    |       | MAXIMUM VALUE                   | .2000   |



VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 AG LKSD                      PPM                      GRCK

| HISTOGRAM |  |    |    |    |     | SUMMARY STATISTICS |       |                                 |         |
|-----------|--|----|----|----|-----|--------------------|-------|---------------------------------|---------|
|           |  |    |    |    | N   | %                  | CUM % |                                 |         |
| **        | *  | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES         | 45      |
| 1 PPB *   |  |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 2 PPB *   |  |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES      | 45      |
| 5 PPB *   |  |    |    |    | *   |                    |       | ARITHMETIC MEAN                 | .1089   |
| 10 PPB *  |  |    |    |    | *   |                    |       | VARIANCE                        | .0008   |
| 20 PPB *  |  |    |    |    | *   |                    |       | STANDARD DEVIATION              | .0288   |
| 50 PPB *  |  |    |    |    | *   |                    |       | SKEW                            | 2.8392  |
| 100 PPB * | XX |    |    |    | *   | 41                 | 91.11 | EXCESS KURTOSIS                 | 6.3476  |
| 200 PPB * | XXXX   |    |    |    | *   | 4                  | 8.89  | COEFFICIENT OF VARIANCE, %      | 26.4305 |
| 500 PPB * |  |    |    |    | *   |                    |       | STANDARD ERROR OF THE MEAN      | .0043   |
| 1 PPM *   |  |    |    |    | *   |                    |       | LOWER 95% LIMIT ON THE MEAN     | .1002   |
| 2 PPM *   |  |    |    |    | *   |                    |       | UPPER 95% LIMIT ON THE MEAN     | .1175   |
| 5 PPM *   |  |    |    |    | *   |                    |       | LOWER 95% LIMIT ON THE RANGE    | .0509   |
|           |  |    |    |    | *   |                    |       | UPPER 95% LIMIT ON THE RANGE    | .1669   |
| **        | *  | *  | *  | *  | *   |                    |       | GEOMETRIC MEAN                  | .1064   |
| 0         | 20   | 40 | 60 | 80 | 100 |                    |       | LOG10 MEAN                      | -.9732  |
|           |  |    |    |    |     |                    |       | LOG10 VARIANCE                  | .0075   |
|           |  |    |    |    |     |                    |       | LOG10 STANDARD DEVIATION        | .0866   |
|           |  |    |    |    |     |                    |       | STANDARD ERROR ON THE MEAN      | .0129   |
|           |  |    |    |    |     |                    |       | LOWER 95% LIMIT ON THE MEAN     | .1002   |
|           |  |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE MEAN     | .1129   |
|           |  |    |    |    |     |                    |       | LOWER 95% LIMIT ON THE RANGE    | .0712   |
|           |  |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE RANGE    | .1590   |
|           |  |    |    |    |     |                    |       | MINIMUM VALUE                   | .1000   |
|           |  |    |    |    |     |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | .1000   |
|           |  |    |    |    |     |                    |       | 50TH PERCENTILE OR MEDIAN       | .1000   |
|           |  |    |    |    |     |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | .1000   |
|           |  |    |    |    |     |                    |       | 80TH PERCENTILE                 | .1000   |
|           |  |    |    |    |     |                    |       | 90TH PERCENTILE                 | .1000   |
|           |  |    |    |    |     |                    |       | 95TH PERCENTILE                 | .2000   |
|           |  |    |    |    |     |                    |       | 98TH PERCENTILE                 | .2000   |
|           |  |    |    |    |     |                    |       | 99TH PERCENTILE                 | .2000   |
|           |  |    |    |    |     |                    |       | MAXIMUM VALUE                   | .2000   |

PERCENT

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 AG LKSD                      PPM                      BEXV

| HISTOGRAM |                              |    |    |    |     | SUMMARY STATISTICS |       |        |                                 |         |
|-----------|------------------------------|----|----|----|-----|--------------------|-------|--------|---------------------------------|---------|
|           |                              |    |    |    |     | N                  | %     | CUM %  |                                 |         |
| **        | *                            | *  | *  | *  | *   |                    |       |        | TOTAL NUMBER OF SAMPLES         | 8       |
| 1 PPB *   |                              |    |    |    | *   |                    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 2 PPB *   |                              |    |    |    | *   |                    |       |        | NUMBER OF NON-ZERO SAMPLES      | 8       |
| 5 PPB *   |                              |    |    |    | *   |                    |       |        | ARITHMETIC MEAN                 | .1500   |
| 10 PPB *  |                              |    |    |    | *   |                    |       |        | VARIANCE                        | .0029   |
| 20 PPB *  |                              |    |    |    | *   |                    |       |        | STANDARD DEVIATION              | .0535   |
| 50 PPB *  |                              |    |    |    | *   |                    |       |        | SKEW                            | -.0000  |
| 100 PPB * | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 4                  | 50.00 | 50.00  | EXCESS KURTOSIS                 | -2.0000 |
| 200 PPB * | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 4                  | 50.00 | 100.00 | COEFFICIENT OF VARIANCE, %      | 35.6348 |
| 500 PPB * |                              |    |    |    | *   |                    |       |        | STANDARD ERROR OF THE MEAN      | .0189   |
| 1 PPM *   |                              |    |    |    | *   |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | .1064   |
| 2 PPM *   |                              |    |    |    | *   |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | .1936   |
| 5 PPM *   |                              |    |    |    | *   |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | .0267   |
| **        | *                            | *  | *  | *  | *   |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | .2733   |
| 0         | 20                           | 40 | 60 | 80 | 100 |                    |       |        | GEOMETRIC MEAN                  | .1414   |
|           |                              |    |    |    |     |                    |       |        | LOG10 MEAN                      | -.8495  |
|           |                              |    |    |    |     |                    |       |        | LOG10 VARIANCE                  | .0259   |
|           |                              |    |    |    |     |                    |       |        | LOG10 STANDARD DEVIATION        | .1609   |
|           |                              |    |    |    |     |                    |       |        | STANDARD ERROR ON THE MEAN      | .0569   |
|           |                              |    |    |    |     |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | .1046   |
|           |                              |    |    |    |     |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | .1913   |
|           |                              |    |    |    |     |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | .0602   |
|           |                              |    |    |    |     |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | .3323   |
|           |                              |    |    |    |     |                    |       |        | MINIMUM VALUE                   | .1000   |
|           |                              |    |    |    |     |                    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | .1000   |
|           |                              |    |    |    |     |                    |       |        | 50TH PERCENTILE OR MEDIAN       | .2000   |
|           |                              |    |    |    |     |                    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | .2000   |
|           |                              |    |    |    |     |                    |       |        | 80TH PERCENTILE                 | .2000   |
|           |                              |    |    |    |     |                    |       |        | 90TH PERCENTILE                 | .2000   |
|           |                              |    |    |    |     |                    |       |        | 95TH PERCENTILE                 | .2000   |
|           |                              |    |    |    |     |                    |       |        | 98TH PERCENTILE                 | .2000   |
|           |                              |    |    |    |     |                    |       |        | 99TH PERCENTILE                 | .2000   |
|           |                              |    |    |    |     |                    |       |        | MAXIMUM VALUE                   | .2000   |

PERCENT

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 AG LKSD                      PPM                      MVCC

| HISTOGRAM |  |    |    |    |     | SUMMARY STATISTICS |       |                                 |                            |         |
|-----------|--|----|----|----|-----|--------------------|-------|---------------------------------|----------------------------|---------|
|           |  |    |    |    | N   | %                  | CUM % |                                 |                            |         |
| **        | *  | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES         | 42                         |         |
|           |  |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES    | 0                          |         |
| 1 PPB *   |  |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES      | 42                         |         |
| 2 PPB *   |  |    |    |    | *   |                    |       | ARITHMETIC MEAN                 | .1048                      |         |
| 5 PPB *   |  |    |    |    | *   |                    |       | VARIANCE                        | .0005                      |         |
| 10 PPB *  |  |    |    |    | *   |                    |       | STANDARD DEVIATION              | .0216                      |         |
| 20 PPB *  |  |    |    |    | *   |                    |       | SKEW                            | 4.2485                     |         |
| 50 PPB *  |  |    |    |    | *   |                    |       | EXCESS KURTOSIS                 | 16.0500                    |         |
| 100 PPB * | XX |    |    |    | *   | 40                 | 95.24 | 95.24                           | COEFFICIENT OF VARIANCE, % | 20.5743 |
| 200 PPB * | XX   |    |    |    | *   | 2                  | 4.76  | 100.00                          | STANDARD ERROR OF THE MEAN | .0033   |
| 500 PPB * |  |    |    |    | *   |                    |       | LOWER 95% LIMIT ON THE MEAN     | .0980                      |         |
| 1 PPM *   |  |    |    |    | *   |                    |       | UPPER 95% LIMIT ON THE MEAN     | .1115                      |         |
| 2 PPM *   |  |    |    |    | *   |                    |       | LOWER 95% LIMIT ON THE RANGE    | .0613                      |         |
| 5 PPM *   |  |    |    |    | *   |                    |       | UPPER 95% LIMIT ON THE RANGE    | .1483                      |         |
| **        | *  | *  | *  | *  | *   |                    |       | GEOMETRIC MEAN                  | .1034                      |         |
| 0         | 20   | 40 | 60 | 80 | 100 |                    |       | LOG10 MEAN                      | -.9857                     |         |
|           |  |    |    |    |     |                    |       | LOG10 VARIANCE                  | .0042                      |         |
|           |  |    |    |    |     |                    |       | LOG10 STANDARD DEVIATION        | .0649                      |         |
|           |  |    |    |    |     |                    |       | STANDARD ERROR ON THE MEAN      | .0100                      |         |
|           |  |    |    |    |     |                    |       | LOWER 95% LIMIT ON THE MEAN     | .0987                      |         |
|           |  |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE MEAN     | .1083                      |         |
|           |  |    |    |    |     |                    |       | LOWER 95% LIMIT ON THE RANGE    | .0764                      |         |
|           |  |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE RANGE    | .1397                      |         |
|           |  |    |    |    |     |                    |       | MINIMUM VALUE                   | .1000                      |         |
|           |  |    |    |    |     |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | .1000                      |         |
|           |  |    |    |    |     |                    |       | 50TH PERCENTILE OR MEDIAN       | .1000                      |         |
|           |  |    |    |    |     |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | .1000                      |         |
|           |  |    |    |    |     |                    |       | 80TH PERCENTILE                 | .1000                      |         |
|           |  |    |    |    |     |                    |       | 90TH PERCENTILE                 | .1000                      |         |
|           |  |    |    |    |     |                    |       | 95TH PERCENTILE                 | .2000                      |         |
|           |  |    |    |    |     |                    |       | 98TH PERCENTILE                 | .2000                      |         |
|           |  |    |    |    |     |                    |       | 99TH PERCENTILE                 | .2000                      |         |
|           |  |    |    |    |     |                    |       | MAXIMUM VALUE                   | .2000                      |         |

PERCENT

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 AG LKSD                      PPM                      UKNN

| HISTOGRAM |  |    |    |    |     |    |       |        | SUMMARY STATISTICS              |         |
|-----------|--|----|----|----|-----|----|-------|--------|---------------------------------|---------|
|           |  |    |    |    |     | N  | %     | CUM %  |                                 |         |
| **        | *  | *  | *  | *  | *   |    |       |        | TOTAL NUMBER OF SAMPLES         | 73      |
|           |  |    |    |    |     |    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 1 PPB *   |  |    |    |    |     |    |       |        | NUMBER OF NON-ZERO SAMPLES      | 73      |
| 2 PPB *   |  |    |    |    |     |    |       |        |                                 |         |
| 5 PPB *   |  |    |    |    |     |    |       |        | ARITHMETIC MEAN                 | .1137   |
| 10 PPB *  |  |    |    |    |     |    |       |        | VARIANCE                        | .0012   |
| 20 PPB *  |  |    |    |    |     |    |       |        | STANDARD DEVIATION              | .0346   |
| 50 PPB *  |  |    |    |    |     |    |       |        | SKEW                            | 2.1116  |
| 100 PPB * | XX |    |    |    |     | 63 | 86.30 | 86.30  | EXCESS KURTOSIS                 | 2.4587  |
| 200 PPB * | XXXXXXX  |    |    |    |     | 10 | 13.70 | 100.00 | COEFFICIENT OF VARIANCE, %      | 30.4500 |
| 500 PPB * |  |    |    |    |     |    |       |        | STANDARD ERROR OF THE MEAN      | .0041   |
| 1 PPM *   |  |    |    |    |     |    |       |        | LOWER 95% LIMIT ON THE MEAN     | .1056   |
| 2 PPM *   |  |    |    |    |     |    |       |        | UPPER 95% LIMIT ON THE MEAN     | .1218   |
| 5 PPM *   |  |    |    |    |     |    |       |        | LOWER 95% LIMIT ON THE RANGE    | .0447   |
| **        | *  | *  | *  | *  | *   |    |       |        | UPPER 95% LIMIT ON THE RANGE    | .1827   |
| 0         | 20   | 40 | 60 | 80 | 100 |    |       |        | GEOMETRIC MEAN                  | .1100   |
|           |  |    |    |    |     |    |       |        | LOG10 MEAN                      | -.9588  |
|           |  |    |    |    |     |    |       |        | LOG10 VARIANCE                  | .0109   |
|           |  |    |    |    |     |    |       |        | LOG10 STANDARD DEVIATION        | .1042   |
|           |  |    |    |    |     |    |       |        | STANDARD ERROR ON THE MEAN      | .0122   |
|           |  |    |    |    |     |    |       |        | LOWER 95% LIMIT ON THE MEAN     | .1040   |
|           |  |    |    |    |     |    |       |        | UPPER 95% LIMIT ON THE MEAN     | .1163   |
|           |  |    |    |    |     |    |       |        | LOWER 95% LIMIT ON THE RANGE    | .0682   |
|           |  |    |    |    |     |    |       |        | UPPER 95% LIMIT ON THE RANGE    | .1774   |
|           |  |    |    |    |     |    |       |        | MINIMUM VALUE                   | .1000   |
|           |  |    |    |    |     |    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | .1000   |
|           |  |    |    |    |     |    |       |        | 50TH PERCENTILE OR MEDIAN       | .1000   |
|           |  |    |    |    |     |    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | .1000   |
|           |  |    |    |    |     |    |       |        | 80TH PERCENTILE                 | .1000   |
|           |  |    |    |    |     |    |       |        | 90TH PERCENTILE                 | .2000   |
|           |  |    |    |    |     |    |       |        | 95TH PERCENTILE                 | .2000   |
|           |  |    |    |    |     |    |       |        | 98TH PERCENTILE                 | .2000   |
|           |  |    |    |    |     |    |       |        | 99TH PERCENTILE                 | .2000   |
|           |  |    |    |    |     |    |       |        | MAXIMUM VALUE                   | .2000   |

PERCENT

SUMMARY STATISTICS

| SUBSET | VARIABLE | UNITS | N   | ARITH<br>MEAN | STD<br>DEV | CV %  | SKEW  | EXCESS<br>KURT | 95% LIMITS<br>ON MEAN | GEOM<br>MEAN | LOG 10<br>MEAN | STD<br>DEV | 95% LIMITS<br>ON MEAN |
|--------|----------|-------|-----|---------------|------------|-------|-------|----------------|-----------------------|--------------|----------------|------------|-----------------------|
| DIBS   | AG LKSD  | PPM   | 253 | .155          | .192       | 124.1 | 5.76  | 41.31          | .131 .178             | .123         | -.9109         | .2257      | .115 .131             |
| SMRK   | AG LKSD  | PPM   | 94  | .122          | .105       | 85.7  | 5.90  | 34.99          | .101 .144             | .110         | -.9597         | .1524      | .102 .118             |
| ARGL   | AG LKSD  | PPM   | 29  | .141          | .130       | 91.7  | 3.20  | 8.61           | .922E-01 .191         | .119         | -.9256         | .2097      | .988E-01 .143         |
| CHRT   | AG LKSD  | PPM   | 2   | .100          | .100E-02   | 1.0   | 0.00  | -3.00          | .970E-01 .103         | .100         | -1.0000        | .0010      | .993E-01 .101         |
| GRNT   | AG LKSD  | PPM   | 66  | .115          | .472E-01   | 41.0  | 4.01  | 18.86          | .104 .127             | .110         | -.9590         | .1167      | .103 .117             |
| GRNG   | AG LKSD  | PPM   | 284 | .113          | .562E-01   | 49.9  | 10.19 | 134.40         | .106 .119             | .108         | -.9674         | .1062      | .105 .111             |
| UMFC   | AG LKSD  | PPM   | 1   | .100          | .100E-05   | .0    | .00   | .00            | .100 .100             | .100         | -1.0000        | .0000      | .100 .100             |
| CGLM   | AG LKSD  | PPM   | 24  | .104          | .204E-01   | 19.6  | 4.59  | 19.04          | .956E-01 .113         | .103         | -.9875         | .0614      | .970E-01 .109         |
| GRCK   | AG LKSD  | PPM   | 45  | .109          | .288E-01   | 26.4  | 2.89  | 6.35           | .100 .118             | .106         | -.9732         | .0866      | .100 .113             |
| BEXV   | AG LKSD  | PPM   | 8   | .150          | .535E-01   | 35.6  | -.00  | -2.00          | .106 .194             | .141         | -.8495         | .1609      | .105 .191             |
| MVCC   | AG LKSD  | PPM   | 42  | .105          | .216E-01   | 20.6  | 4.25  | 16.05          | .980E-01 .111         | .103         | -.9857         | .0649      | .987E-01 .108         |
| UKNN   | AG LKSD  | PPM   | 73  | .114          | .346E-01   | 30.5  | 2.11  | 2.46           | .106 .122             | .110         | -.9588         | .1042      | .104 .116             |

| SUBSET | VARIABLE | UNITS | N   | MIN<br>VALUE | ----- PERCENTILE ----- |      |      |      |      |      |      |      |       | MAX<br>VALUE |
|--------|----------|-------|-----|--------------|------------------------|------|------|------|------|------|------|------|-------|--------------|
|        |          |       |     |              | 25TH                   | 50TH | 75TH | 80TH | 90TH | 95TH | 98TH | 99TH |       |              |
| DIBS   | AG LKSD  | PPM   | 253 | .100         | .100                   | .100 | .100 | .100 | .100 | .200 | .400 | .800 | 1.200 | 2.000        |
| SMRK   | AG LKSD  | PPM   | 94  | .100         | .100                   | .100 | .100 | .100 | .100 | .100 | .200 | .800 | .800  | .800         |
| ARGL   | AG LKSD  | PPM   | 29  | .100         | .100                   | .100 | .100 | .100 | .100 | .200 | .600 | .600 | .600  | .600         |
| CHRT   | AG LKSD  | PPM   | 2   | .100         | .100                   | .100 | .100 | .100 | .100 | .100 | .100 | .100 | .100  | .100         |
| GRNT   | AG LKSD  | PPM   | 66  | .100         | .100                   | .100 | .100 | .100 | .100 | .200 | .200 | .400 | .400  | .400         |
| GRNG   | AG LKSD  | PPM   | 284 | .100         | .100                   | .100 | .100 | .100 | .100 | .200 | .200 | .200 | .200  | .900         |
| UMFC   | AG LKSD  | PPM   | 1   | .100         | .100                   | .100 | .100 | .100 | .100 | .100 | .100 | .100 | .100  | .100         |
| CGLM   | AG LKSD  | PPM   | 24  | .100         | .100                   | .100 | .100 | .100 | .100 | .100 | .200 | .200 | .200  | .200         |
| GRCK   | AG LKSD  | PPM   | 45  | .100         | .100                   | .100 | .100 | .100 | .100 | .100 | .200 | .200 | .200  | .200         |
| BEXV   | AG LKSD  | PPM   | 8   | .100         | .100                   | .200 | .200 | .200 | .200 | .200 | .200 | .200 | .200  | .200         |
| MVCC   | AG LKSD  | PPM   | 42  | .100         | .100                   | .100 | .100 | .100 | .100 | .100 | .200 | .200 | .200  | .200         |
| UKNN   | AG LKSD  | PPM   | 73  | .100         | .100                   | .100 | .100 | .100 | .100 | .200 | .200 | .200 | .200  | .200         |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 MN LKSD                      PPM                      DIBS

| HISTOGRAM  |                        |    |    |    |    | SUMMARY STATISTICS |       |        |                                 |           |
|------------|------------------------|----|----|----|----|--------------------|-------|--------|---------------------------------|-----------|
|            | **                     | *  | *  | *  | *  | N                  | %     | CUM %  |                                 |           |
| 1 PPM *    |                        |    |    |    | *  |                    |       |        | TOTAL NUMBER OF SAMPLES         | 253       |
| 2 PPM *    |                        |    |    |    | *  |                    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0         |
| 5 PPM *    |                        |    |    |    | *  |                    |       |        | NUMBER OF NON-ZERO SAMPLES      | 253       |
| 10 PPM *   |                        |    |    |    | *  |                    |       |        | ARITHMETIC MEAN                 | 338.6561  |
| 20 PPM *   | I                      |    |    |    | *  | 1                  | .40   | .40    | VARIANCE                        | *****     |
| 50 PPM *   | XX                     |    |    |    | *  | 9                  | 3.56  | 3.95   | STANDARD DEVIATION              | 472.5893  |
| 100 PPM *  | XXXXXX                 |    |    |    | *  | 29                 | 11.46 | 15.42  | SKEW                            | 9.6825    |
| 200 PPM *  | XXXXXXXXXXXXXX         |    |    |    | *  | 64                 | 25.30 | 40.71  | EXCESS KURTOSIS                 | 122.9307  |
| 500 PPM *  | XXXXXXXXXXXXXXXXXXXXXX |    |    |    | *  | 110                | 43.48 | 84.19  | COEFFICIENT OF VARIANCE, %      | 139.5484  |
| 1000 PPM * | XXXXXXXXXX             |    |    |    | *  | 34                 | 13.44 | 97.63  | STANDARD ERROR OF THE MEAN      | 29.7114   |
| 2000 PPM * | X                      |    |    |    | *  | 5                  | 1.98  | 99.60  | LOWER 95% LIMIT ON THE MEAN     | 280.1282  |
| 5000 PPM * |                        |    |    |    | *  |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 397.1841  |
| 1 PCT *    | I                      |    |    |    | *  | 1                  | .40   | 100.00 | LOWER 95% LIMIT ON THE RANGE    | -592.2881 |
| 2 PCT *    |                        |    |    |    | *  |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 1269.6003 |
| 5 PCT *    |                        |    |    |    | *  |                    |       |        | GEOMETRIC MEAN                  | 236.7047  |
|            |                        |    |    |    | *  |                    |       |        | LOG10 MEAN                      | 2.3742    |
|            |                        |    |    |    | *  |                    |       |        | LOG10 VARIANCE                  | .1281     |
|            |                        |    |    |    | *  |                    |       |        | LOG10 STANDARD DEVIATION        | .3579     |
|            | **                     | *  | *  | *  | *  |                    |       |        | STANDARD ERROR ON THE MEAN      | .0225     |
|            | 0                      | 20 | 40 | 60 | 80 | 100                |       |        | LOWER 95% LIMIT ON THE MEAN     | 213.7399  |
|            |                        |    |    |    |    |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 262.1370  |
|            |                        |    |    |    |    |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | 46.6908   |
|            |                        |    |    |    |    |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 1200.0036 |
|            |                        |    |    |    |    |                    |       |        | MINIMUM VALUE                   | 20.0000   |
|            |                        |    |    |    |    |                    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 135.0000  |
|            |                        |    |    |    |    |                    |       |        | 50TH PERCENTILE OR MEDIAN       | 260.0000  |
|            |                        |    |    |    |    |                    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 405.0000  |
|            |                        |    |    |    |    |                    |       |        | 80TH PERCENTILE                 | 455.0000  |
|            |                        |    |    |    |    |                    |       |        | 90TH PERCENTILE                 | 645.0000  |
|            |                        |    |    |    |    |                    |       |        | 95TH PERCENTILE                 | 815.0000  |
|            |                        |    |    |    |    |                    |       |        | 98TH PERCENTILE                 | 1250.0000 |
|            |                        |    |    |    |    |                    |       |        | 99TH PERCENTILE                 | 1450.0000 |
|            |                        |    |    |    |    |                    |       |        | MAXIMUM VALUE                   | 6630.0000 |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 MN LKSD                      PPM                      SMRK

HISTOGRAM

SUMMARY STATISTICS

|            | **                   | *  | *  | *  | *  | *   | N  | %     | CUM %  |                                 |           |
|------------|----------------------|----|----|----|----|-----|----|-------|--------|---------------------------------|-----------|
|            |                      |    |    |    |    |     |    |       |        | TOTAL NUMBER OF SAMPLES         | 94        |
|            |                      |    |    |    |    |     |    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0         |
|            |                      |    |    |    |    |     |    |       |        | NUMBER OF NON-ZERO SAMPLES      | 94        |
| 1 PPM *    |                      |    |    |    |    | *   |    |       |        | ARITHMETIC MEAN                 | 288.6170  |
| 2 PPM *    |                      |    |    |    |    | *   |    |       |        | VARIANCE                        | *****     |
| 5 PPM *    |                      |    |    |    |    | *   |    |       |        | STANDARD DEVIATION              | 525.5665  |
| 10 PPM *   |                      |    |    |    |    | *   |    |       |        | SKEW                            | 6.2851    |
| 20 PPM *   |                      |    |    |    |    | *   |    |       |        | EXCESS KURTOSIS                 | 47.0329   |
| 50 PPM *   | XXXXXX               |    |    |    |    | *   | 12 | 12.77 | 12.77  | COEFFICIENT OF VARIANCE, %      | 182.0982  |
| 100 PPM *  | XXXXXXXXXX           |    |    |    |    | *   | 16 | 17.02 | 29.79  | STANDARD ERROR OF THE MEAN      | 54.2080   |
| 200 PPM *  | XXXXXXXXXXXXXXXXXXXX |    |    |    |    | *   | 32 | 34.04 | 63.83  | LOWER 95% LIMIT ON THE MEAN     | 180.9642  |
| 500 PPM *  | XXXXXXXXXXXX         |    |    |    |    | *   | 20 | 21.28 | 85.11  | UPPER 95% LIMIT ON THE MEAN     | 396.2699  |
| 1000 PPM * | XXXXXX               |    |    |    |    | *   | 11 | 11.70 | 96.81  | LOWER 95% LIMIT ON THE RANGE    | -755.1159 |
| 2000 PPM * | X                    |    |    |    |    | *   | 2  | 2.13  | 98.94  | UPPER 95% LIMIT ON THE RANGE    | 1332.3500 |
| 5000 PPM * | X                    |    |    |    |    | *   | 1  | 1.06  | 100.00 | GEOMETRIC MEAN                  | 163.8463  |
| 1 PCT *    |                      |    |    |    |    | *   |    |       |        | LOG10 MEAN                      | 2.2144    |
| 2 PCT *    |                      |    |    |    |    | *   |    |       |        | LOG10 VARIANCE                  | .1707     |
| 5 PCT *    |                      |    |    |    |    | *   |    |       |        | LOG10 STANDARD DEVIATION        | .4132     |
|            |                      |    |    |    |    | *   |    |       |        | STANDARD ERROR ON THE MEAN      | .0426     |
|            |                      |    |    |    |    | *   |    |       |        | LOWER 95% LIMIT ON THE MEAN     | 134.8340  |
|            |                      |    |    |    |    | *   |    |       |        | UPPER 95% LIMIT ON THE MEAN     | 199.1012  |
|            |                      |    |    |    |    | *   |    |       |        | LOWER 95% LIMIT ON THE RANGE    | 24.7656   |
|            |                      |    |    |    |    | *   |    |       |        | UPPER 95% LIMIT ON THE RANGE    | 1083.9895 |
|            | **                   | *  | *  | *  | *  | *   |    |       |        | MINIMUM VALUE                   | 30.0000   |
|            | 0                    | 20 | 40 | 60 | 80 | 100 |    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 90.0000   |
|            |                      |    |    |    |    |     |    |       |        | 50TH PERCENTILE OR MEDIAN       | 135.0000  |
|            |                      |    |    |    |    |     |    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 315.0000  |
|            |                      |    |    |    |    |     |    |       |        | 80TH PERCENTILE                 | 340.0000  |
|            |                      |    |    |    |    |     |    |       |        | 90TH PERCENTILE                 | 640.0000  |
|            |                      |    |    |    |    |     |    |       |        | 95TH PERCENTILE                 | 920.0000  |
|            |                      |    |    |    |    |     |    |       |        | 98TH PERCENTILE                 | 1750.0000 |
|            |                      |    |    |    |    |     |    |       |        | 99TH PERCENTILE                 | 4600.0000 |
|            |                      |    |    |    |    |     |    |       |        | MAXIMUM VALUE                   | 4600.0000 |

PERCENT

| VARIABLE NAME |                    | UNIT OF MEASUREMENT | DATA SUBSET |    |                    |       |        | SUMMARY STATISTICS              |            |
|---------------|--------------------|---------------------|-------------|----|--------------------|-------|--------|---------------------------------|------------|
| MN            | LKSD               | PPM                 | ARGL        |    |                    |       |        |                                 |            |
| HISTOGRAM     |                    |                     |             |    | SUMMARY STATISTICS |       |        |                                 |            |
| **            | *                  | *                   | *           | *  | N                  | %     | CUM %  |                                 |            |
| 1 PPM         | *                  |                     |             | *  |                    |       |        | TOTAL NUMBER OF SAMPLES         | 29         |
| 2 PPM         | *                  |                     |             | *  |                    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0          |
| 5 PPM         | *                  |                     |             | *  |                    |       |        | NUMBER OF NON-ZERO SAMPLES      | 29         |
| 10 PPM        | *                  |                     |             | *  |                    |       |        | ARITHMETIC MEAN                 | 320.8621   |
| 20 PPM        | *                  |                     |             | *  |                    |       |        | VARIANCE                        | 89973.3374 |
| 50 PPM        | XX                 |                     |             | *  | 1                  | 3.45  | 3.45   | STANDARD DEVIATION              | 299.9556   |
| 100 PPM       | XXXXXXXXXX         |                     |             | *  | 6                  | 20.69 | 24.14  | SKEW                            | 2.1857     |
| 200 PPM       | XXXXXXXXXXXX       |                     |             | *  | 7                  | 24.14 | 48.28  | EXCESS KURTOSIS                 | 6.1710     |
| 500 PPM       | XXXXXXXXXXXXXXXXXX |                     |             | *  | 8                  | 27.59 | 75.86  | COEFFICIENT OF VARIANCE, %      | 93.4843    |
| 1000 PPM      | XXXXXXXXXXXX       |                     |             | *  | 6                  | 20.69 | 96.55  | STANDARD ERROR OF THE MEAN      | 55.7003    |
| 2000 PPM      | XX                 |                     |             | *  | 1                  | 3.45  | 100.00 | LOWER 95% LIMIT ON THE MEAN     | 206.9549   |
| 5000 PPM      | *                  |                     |             | *  |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 434.7693   |
| 1 PCT         | *                  |                     |             | *  |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | -292.5470  |
| 2 PCT         | *                  |                     |             | *  |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 934.2712   |
| 5 PCT         | *                  |                     |             | *  |                    |       |        | GEOMETRIC MEAN                  | 220.9695   |
| **            | *                  | *                   | *           | *  |                    |       |        | LOG10 MEAN                      | 2.3443     |
| 0             | 20                 | 40                  | 60          | 80 | 100                |       |        | LOG10 VARIANCE                  | .1550      |
| PERCENT       |                    |                     |             |    |                    |       |        | LOG10 STANDARD DEVIATION        | .3937      |
|               |                    |                     |             |    |                    |       |        | STANDARD ERROR ON THE MEAN      | .0731      |
|               |                    |                     |             |    |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | 156.6086   |
|               |                    |                     |             |    |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 311.7807   |
|               |                    |                     |             |    |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | 34.6066    |
|               |                    |                     |             |    |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 1410.9294  |
|               |                    |                     |             |    |                    |       |        | MINIMUM VALUE                   | 35.0000    |
|               |                    |                     |             |    |                    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 115.0000   |
|               |                    |                     |             |    |                    |       |        | 50TH PERCENTILE OR MEDIAN       | 230.0000   |
|               |                    |                     |             |    |                    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 525.0000   |
|               |                    |                     |             |    |                    |       |        | 80TH PERCENTILE                 | 540.0000   |
|               |                    |                     |             |    |                    |       |        | 90TH PERCENTILE                 | 615.0000   |
|               |                    |                     |             |    |                    |       |        | 95TH PERCENTILE                 | 1500.0000  |
|               |                    |                     |             |    |                    |       |        | 98TH PERCENTILE                 | 1500.0000  |
|               |                    |                     |             |    |                    |       |        | 99TH PERCENTILE                 | 1500.0000  |
|               |                    |                     |             |    |                    |       |        | MAXIMUM VALUE                   | 1500.0000  |



| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| MN LKSD       | PPM                 | CHRT        |

SUMMARY STATISTICS

|                              |   |
|------------------------------|---|
| TOTAL NUMBER OF SAMPLES      | 2 |
| NUMBER OF ZERO VALUE SAMPLES | 0 |
| NUMBER OF NON-ZERO SAMPLES   | 2 |

|                    |            |
|--------------------|------------|
| ARITHMETIC MEAN    | 19157.5000 |
| VARIANCE           | *****      |
| STANDARD DEVIATION | 26647.3190 |
| SKEW               | 0.0000     |
| EXCESS KURTOSIS    | -2.0000    |

|                            |          |
|----------------------------|----------|
| COEFFICIENT OF VARIANCE, % | 139.0960 |
|----------------------------|----------|

|                             |            |
|-----------------------------|------------|
| STANDARD ERROR OF THE MEAN  | 18842.5000 |
| LOWER 95% LIMIT ON THE MEAN | *****      |
| UPPER 95% LIMIT ON THE MEAN | *****      |

|                              |       |
|------------------------------|-------|
| LOWER 95% LIMIT ON THE RANGE | ***** |
| UPPER 95% LIMIT ON THE RANGE | ***** |

|                          |           |
|--------------------------|-----------|
| GEOMETRIC MEAN           | 3459.7688 |
| LOG10 MEAN               | 3.5390    |
| LOG10 VARIANCE           | 2.1663    |
| LOG10 STANDARD DEVIATION | 1.4718    |

|                             |        |
|-----------------------------|--------|
| STANDARD ERROR ON THE MEAN  | 1.0407 |
| LOWER 95% LIMIT ON THE MEAN | .1150  |
| UPPER 95% LIMIT ON THE MEAN | *****  |

|                              |       |
|------------------------------|-------|
| LOWER 95% LIMIT ON THE RANGE | .0016 |
| UPPER 95% LIMIT ON THE RANGE | ***** |

|                                 |            |
|---------------------------------|------------|
| MINIMUM VALUE                   | 315.0000   |
| 25TH PERCENTILE OR 1ST QUARTILE | 315.0000   |
| 50TH PERCENTILE OR MEDIAN       | 38000.0000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 38000.0000 |
| 80TH PERCENTILE                 | 38000.0000 |
| 90TH PERCENTILE                 | 38000.0000 |
| 95TH PERCENTILE                 | 38000.0000 |
| 98TH PERCENTILE                 | 38000.0000 |
| 99TH PERCENTILE                 | 38000.0000 |
| MAXIMUM VALUE                   | 38000.0000 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 MN LKSD                      PPM                      GRNT

| HISTOGRAM |                      |    |    |    |     | SUMMARY STATISTICS |       |                              |                                 |           |
|-----------|----------------------|----|----|----|-----|--------------------|-------|------------------------------|---------------------------------|-----------|
|           |                      |    |    |    | N   | %                  | CUM % |                              |                                 |           |
| **        | *                    | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES      | 66                              |           |
|           |                      |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES | 0                               |           |
| 1 PPM     | *                    |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES   | 66                              |           |
| 2 PPM     | *                    |    |    |    | *   |                    |       |                              |                                 |           |
| 5 PPM     | *                    |    |    |    | *   |                    |       | ARITHMETIC MEAN              | 254.3182                        |           |
| 10 PPM    | *                    |    |    |    | *   |                    |       | VARIANCE                     | 41213.7587                      |           |
| 20 PPM    | *                    |    |    |    | *   |                    |       | STANDARD DEVIATION           | 203.0117                        |           |
| 50 PPM    | XX                   |    |    |    | *   | 3                  | 4.55  | 4.55                         | COEFFICIENT OF VARIANCE, %      | 79.8259   |
| 100 PPM   | XXXXXXXXXXXX         |    |    |    | *   | 16                 | 24.24 | 28.79                        | STANDARD ERROR OF THE MEAN      | 24.9890   |
| 200 PPM   | XXXXXXXXXXXX         |    |    |    | *   | 16                 | 24.24 | 53.03                        | LOWER 95% LIMIT ON THE MEAN     | 204.4201  |
| 500 PPM   | XXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 22                 | 33.33 | 86.36                        | UPPER 95% LIMIT ON THE MEAN     | 304.2162  |
| 1000 PPM  | XXXXXXX              |    |    |    | *   | 9                  | 13.64 | 100.00                       | LOWER 95% LIMIT ON THE RANGE    | -151.0556 |
| 2000 PPM  | *                    |    |    |    | *   |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 659.6920  |
| 5000 PPM  | *                    |    |    |    | *   |                    |       |                              | GEOMETRIC MEAN                  | 185.3710  |
|           |                      |    |    |    | *   |                    |       |                              | LOG10 MEAN                      | 2.2680    |
|           |                      |    |    |    | *   |                    |       |                              | LOG10 VARIANCE                  | .1277     |
|           |                      |    |    |    | *   |                    |       |                              | LOG10 STANDARD DEVIATION        | .3573     |
| **        | *                    | *  | *  | *  | *   |                    |       |                              | STANDARD ERROR ON THE MEAN      | .0440     |
| 0         | 20                   | 40 | 60 | 80 | 100 |                    |       |                              | LOWER 95% LIMIT ON THE MEAN     | 151.4313  |
|           |                      |    |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE MEAN     | 226.9176  |
|           |                      |    |    |    |     |                    |       |                              | LOWER 95% LIMIT ON THE RANGE    | 35.8540   |
|           |                      |    |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 958.3977  |
|           |                      |    |    |    |     |                    |       |                              | MINIMUM VALUE                   | 30.0000   |
|           |                      |    |    |    |     |                    |       |                              | 25TH PERCENTILE OR 1ST QUARTILE | 90.0000   |
|           |                      |    |    |    |     |                    |       |                              | 50TH PERCENTILE OR MEDIAN       | 195.0000  |
|           |                      |    |    |    |     |                    |       |                              | 75TH PERCENTILE OR 3RD QUARTILE | 350.0000  |
|           |                      |    |    |    |     |                    |       |                              | 80TH PERCENTILE                 | 435.0000  |
|           |                      |    |    |    |     |                    |       |                              | 90TH PERCENTILE                 | 650.0000  |
|           |                      |    |    |    |     |                    |       |                              | 95TH PERCENTILE                 | 720.0000  |
|           |                      |    |    |    |     |                    |       |                              | 98TH PERCENTILE                 | 770.0000  |
|           |                      |    |    |    |     |                    |       |                              | 99TH PERCENTILE                 | 770.0000  |
|           |                      |    |    |    |     |                    |       |                              | MAXIMUM VALUE                   | 770.0000  |

PERCENT

| VARIABLE NAME |                        | UNIT OF MEASUREMENT | DATA SUBSET |    |     |       |                    |                                 |                            |       |
|---------------|------------------------|---------------------|-------------|----|-----|-------|--------------------|---------------------------------|----------------------------|-------|
| MN            | LKSD                   | PPM                 | GRNG        |    |     |       |                    |                                 |                            |       |
| HISTOGRAM     |                        |                     |             |    |     |       | SUMMARY STATISTICS |                                 |                            |       |
| **            | *                      | *                   | *           | *  | N   | %     | CUM %              |                                 |                            |       |
| 1 PPM         | *                      |                     |             | *  |     |       |                    | TOTAL NUMBER OF SAMPLES         | 284                        |       |
| 2 PPM         | *                      |                     |             | *  |     |       |                    | NUMBER OF ZERO VALUE SAMPLES    | 0                          |       |
| 5 PPM         | *                      |                     |             | *  |     |       |                    | NUMBER OF NON-ZERO SAMPLES      | 284                        |       |
| 10 PPM        | *                      |                     |             | *  |     |       |                    | ARITHMETIC MEAN                 | 337.3592                   |       |
| 20 PPM        | *                      |                     |             | *  |     |       |                    | VARIANCE                        | *****                      |       |
| 50 PPM        | XX                     |                     |             | *  | 9   | 3.17  | 3.17               | STANDARD DEVIATION              | 377.3469                   |       |
| 100 PPM       | XXXXXX                 |                     |             | *  | 36  | 12.68 | 15.85              | SKEW                            | 3.4435                     |       |
| 200 PPM       | XXXXXXXXXXXXXXXXXX     |                     |             | *  | 83  | 29.23 | 45.07              | EXCESS KURTOSIS                 | 15.3187                    |       |
| 500 PPM       | XXXXXXXXXXXXXXXXXXXXXX |                     |             | *  | 108 | 38.03 | 83.10              | COEFFICIENT OF VARIANCE, %      | 111.8532                   |       |
| 1000 PPM      | XXXXXX                 |                     |             | *  | 36  | 12.68 | 95.77              | STANDARD ERROR OF THE MEAN      | 22.3914                    |       |
| 2000 PPM      | X                      |                     |             | *  | 8   | 2.82  | 98.59              | LOWER 95% LIMIT ON THE MEAN     | 293.2785                   |       |
| 5000 PPM      | X                      |                     |             | *  | 4   | 1.41  | 100.00             | UPPER 95% LIMIT ON THE MEAN     | 381.4398                   |       |
| 1 PCT         | *                      |                     |             | *  |     |       |                    | LOWER 95% LIMIT ON THE RANGE    | -405.5011                  |       |
| 2 PCT         | *                      |                     |             | *  |     |       |                    | UPPER 95% LIMIT ON THE RANGE    | 1080.2194                  |       |
| 5 PCT         | *                      |                     |             | *  |     |       |                    | GEOMETRIC MEAN                  | 230.4530                   |       |
|               |                        |                     |             | *  |     |       |                    | LOG10 MEAN                      | 2.3626                     |       |
| **            | *                      | *                   | *           | *  |     |       |                    | LOG10 VARIANCE                  | .1330                      |       |
| 0             | 20                     | 40                  | 60          | 80 | 100 |       |                    | LOG10 STANDARD DEVIATION        | .3646                      |       |
| PERCENT       |                        |                     |             |    |     |       |                    |                                 | STANDARD ERROR ON THE MEAN | .0216 |
|               |                        |                     |             |    |     |       |                    | LOWER 95% LIMIT ON THE MEAN     | 208.9236                   |       |
|               |                        |                     |             |    |     |       |                    | UPPER 95% LIMIT ON THE MEAN     | 254.2009                   |       |
|               |                        |                     |             |    |     |       |                    | LOWER 95% LIMIT ON THE RANGE    | 44.1328                    |       |
|               |                        |                     |             |    |     |       |                    | UPPER 95% LIMIT ON THE RANGE    | 1203.3811                  |       |
|               |                        |                     |             |    |     |       |                    | MINIMUM VALUE                   | 40.0000                    |       |
|               |                        |                     |             |    |     |       |                    | 25TH PERCENTILE OR 1ST QUARTILE | 125.0000                   |       |
|               |                        |                     |             |    |     |       |                    | 50TH PERCENTILE OR MEDIAN       | 225.0000                   |       |
|               |                        |                     |             |    |     |       |                    | 75TH PERCENTILE OR 3RD QUARTILE | 400.0000                   |       |
|               |                        |                     |             |    |     |       |                    | 80TH PERCENTILE                 | 455.0000                   |       |
|               |                        |                     |             |    |     |       |                    | 90TH PERCENTILE                 | 705.0000                   |       |
|               |                        |                     |             |    |     |       |                    | 95TH PERCENTILE                 | 1000.0000                  |       |
|               |                        |                     |             |    |     |       |                    | 98TH PERCENTILE                 | 1600.0000                  |       |
|               |                        |                     |             |    |     |       |                    | 99TH PERCENTILE                 | 2300.0000                  |       |
|               |                        |                     |             |    |     |       |                    | MAXIMUM VALUE                   | 2750.0000                  |       |

| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| MN LKSD       | PPM                 | UMFC        |

SUMMARY STATISTICS

|                                 |          |
|---------------------------------|----------|
| TOTAL NUMBER OF SAMPLES         | 1        |
| NUMBER OF ZERO VALUE SAMPLES    | 0        |
| NUMBER OF NON-ZERO SAMPLES      | 1        |
| ARITHMETIC MEAN                 | 375.0000 |
| VARIANCE                        | .0000    |
| STANDARD DEVIATION              | .0000    |
| SKEW                            | .0000    |
| EXCESS KURTOSIS                 | .0000    |
| COEFFICIENT OF VARIANCE, %      | .0000    |
| STANDARD ERROR OF THE MEAN      | .0000    |
| LOWER 95% LIMIT ON THE MEAN     | 375.0000 |
| UPPER 95% LIMIT ON THE MEAN     | 375.0000 |
| LOWER 95% LIMIT ON THE RANGE    | 375.0000 |
| UPPER 95% LIMIT ON THE RANGE    | 375.0000 |
| GEOMETRIC MEAN                  | 375.0000 |
| LOG10 MEAN                      | 2.5740   |
| LOG10 VARIANCE                  | .0000    |
| LOG10 STANDARD DEVIATION        | .0000    |
| STANDARD ERROR ON THE MEAN      | .0000    |
| LOWER 95% LIMIT ON THE MEAN     | 375.0000 |
| UPPER 95% LIMIT ON THE MEAN     | 375.0000 |
| LOWER 95% LIMIT ON THE RANGE    | 375.0000 |
| UPPER 95% LIMIT ON THE RANGE    | 375.0000 |
| MINIMUM VALUE                   | 375.0000 |
| 25TH PERCENTILE OR 1ST QUARTILE | 375.0000 |
| 50TH PERCENTILE OR MEDIAN       | 375.0000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 375.0000 |
| 80TH PERCENTILE                 | 375.0000 |
| 90TH PERCENTILE                 | 375.0000 |
| 95TH PERCENTILE                 | 375.0000 |
| 98TH PERCENTILE                 | 375.0000 |
| 99TH PERCENTILE                 | 375.0000 |
| MAXIMUM VALUE                   | 375.0000 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 MN LKSD                      PPM                      CGLM

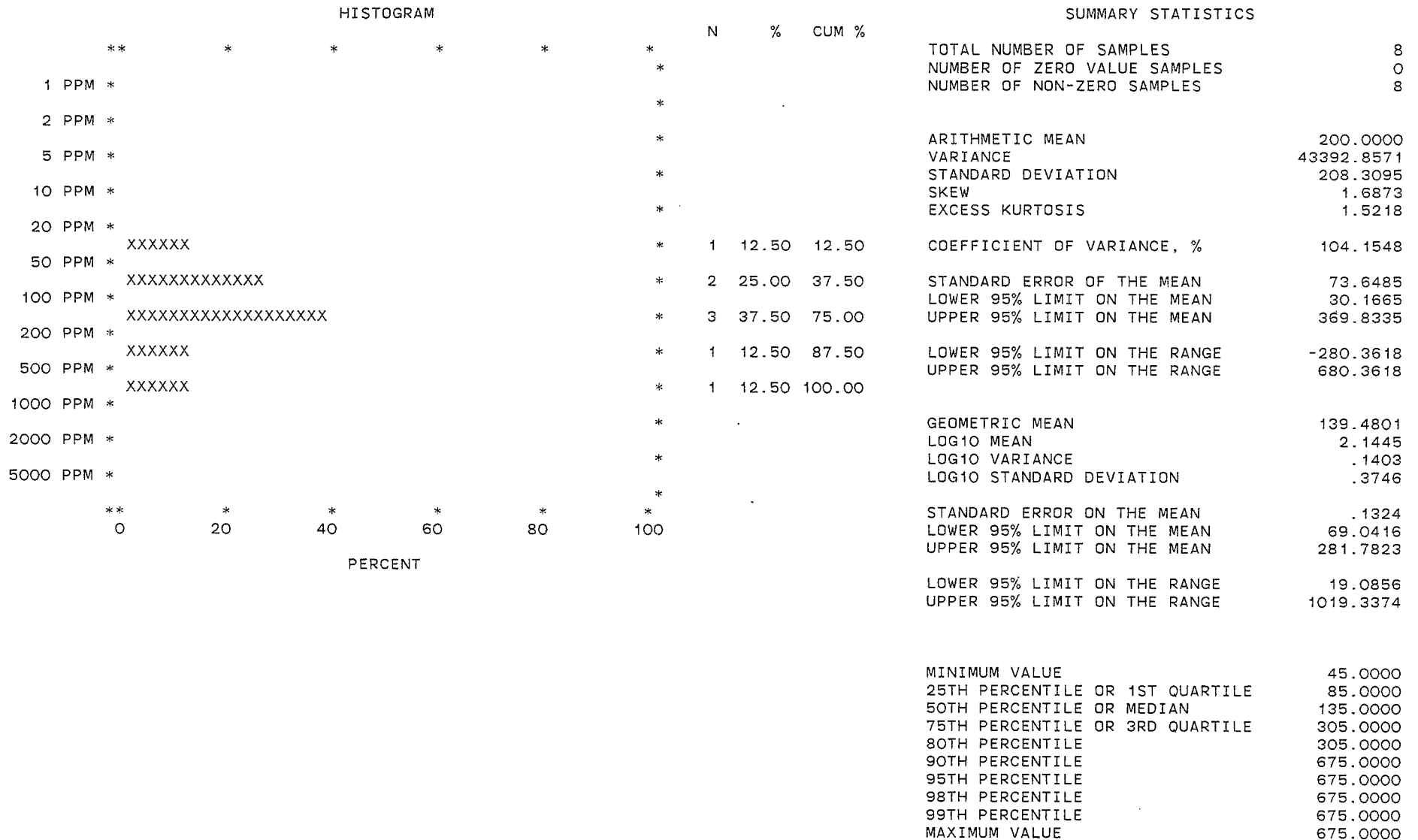
| HISTOGRAM |                        |    |    |    |    | SUMMARY STATISTICS |       |                                 |            |
|-----------|------------------------|----|----|----|----|--------------------|-------|---------------------------------|------------|
|           |                        |    |    |    | N  | %                  | CUM % |                                 |            |
| **        | *                      | *  | *  | *  | *  |                    |       | TOTAL NUMBER OF SAMPLES         | 25         |
| 1 PPM     | **                     |    |    |    | *  | 1                  | 4.00  | NUMBER OF ZERO VALUE SAMPLES    | 1          |
| 2 PPM     | *                      |    |    |    | *  |                    |       | NUMBER OF NON-ZERO SAMPLES      | 24         |
| 5 PPM     | *                      |    |    |    | *  |                    |       | ARITHMETIC MEAN                 | 327.9167   |
| 10 PPM    | *                      |    |    |    | *  |                    |       | VARIANCE                        | 44980.2536 |
| 20 PPM    | *                      |    |    |    | *  |                    |       | STANDARD DEVIATION              | 212.0855   |
| 50 PPM    | *                      |    |    |    | *  |                    |       | SKEW                            | .9050      |
| 100 PPM   | XXXXXX                 |    |    |    | *  | 3                  | 12.00 | EXCESS KURTOSIS                 | .2751      |
| 200 PPM   | XXXXXXXXXXXXXX         |    |    |    | *  | 6                  | 24.00 | COEFFICIENT OF VARIANCE, %      | 64.6766    |
| 500 PPM   | XXXXXXXXXXXXXXXXXXXXXX |    |    |    | *  | 11                 | 44.00 | STANDARD ERROR OF THE MEAN      | 43.2918    |
| 1000 PPM  | XXXXXXXXXX             |    |    |    | *  | 4                  | 16.00 | LOWER 95% LIMIT ON THE MEAN     | 238.5625   |
| 2000 PPM  | *                      |    |    |    | *  |                    |       | UPPER 95% LIMIT ON THE MEAN     | 417.2709   |
| 5000 PPM  | *                      |    |    |    | *  |                    |       | LOWER 95% LIMIT ON THE RANGE    | -109.8278  |
|           | **                     | *  | *  | *  | *  |                    |       | UPPER 95% LIMIT ON THE RANGE    | 765.6611   |
|           | 0                      | 20 | 40 | 60 | 80 | 100                |       | GEOMETRIC MEAN                  | 264.9779   |
|           |                        |    |    |    |    |                    |       | LOG10 MEAN                      | 2.4232     |
|           |                        |    |    |    |    |                    |       | LOG10 VARIANCE                  | .0903      |
|           |                        |    |    |    |    |                    |       | LOG10 STANDARD DEVIATION        | .3006      |
|           |                        |    |    |    |    |                    |       | STANDARD ERROR ON THE MEAN      | .0614      |
|           |                        |    |    |    |    |                    |       | LOWER 95% LIMIT ON THE MEAN     | 197.9580   |
|           |                        |    |    |    |    |                    |       | UPPER 95% LIMIT ON THE MEAN     | 354.6879   |
|           |                        |    |    |    |    |                    |       | LOWER 95% LIMIT ON THE RANGE    | 63.5066    |
|           |                        |    |    |    |    |                    |       | UPPER 95% LIMIT ON THE RANGE    | 1105.6055  |
|           |                        |    |    |    |    |                    |       | MINIMUM VALUE                   | 75.0000    |
|           |                        |    |    |    |    |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | 150.0000   |
|           |                        |    |    |    |    |                    |       | 50TH PERCENTILE OR MEDIAN       | 300.0000   |
|           |                        |    |    |    |    |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | 485.0000   |
|           |                        |    |    |    |    |                    |       | 80TH PERCENTILE                 | 500.0000   |
|           |                        |    |    |    |    |                    |       | 90TH PERCENTILE                 | 710.0000   |
|           |                        |    |    |    |    |                    |       | 95TH PERCENTILE                 | 890.0000   |
|           |                        |    |    |    |    |                    |       | 98TH PERCENTILE                 | 890.0000   |
|           |                        |    |    |    |    |                    |       | 99TH PERCENTILE                 | 890.0000   |
|           |                        |    |    |    |    |                    |       | MAXIMUM VALUE                   | 890.0000   |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 MN LKSD                      PPM                      GRCK

| HISTOGRAM |    |                    |   |   |   | SUMMARY STATISTICS |       |        |                                 |            |
|-----------|----|--------------------|---|---|---|--------------------|-------|--------|---------------------------------|------------|
|           | ** | *                  | * | * | * | N                  | %     | CUM %  |                                 |            |
| 1 PPM     | *  |                    |   |   |   |                    |       |        | TOTAL NUMBER OF SAMPLES         | 45         |
| 2 PPM     | *  |                    |   |   |   |                    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0          |
| 5 PPM     | *  |                    |   |   |   |                    |       |        | NUMBER OF NON-ZERO SAMPLES      | 45         |
| 10 PPM    | *  |                    |   |   |   |                    |       |        | ARITHMETIC MEAN                 | 288.1111   |
| 20 PPM    | *  |                    |   |   |   |                    |       |        | VARIANCE                        | 81373.0556 |
| 50 PPM    | *  |                    |   |   |   |                    |       |        | STANDARD DEVIATION              | 285.2596   |
| 100 PPM   | *  | X                  |   |   |   | 1                  | 2.22  | 2.22   | SKEW                            | 2.0553     |
| 200 PPM   | *  |                    |   |   |   |                    |       |        | EXCESS KURTOSIS                 | 4.7283     |
| 500 PPM   | *  | XX                 |   |   |   | 2                  | 4.44  | 6.67   | COEFFICIENT OF VARIANCE, %      | 99.0103    |
| 1000 PPM  | *  | XXXXXXXXXX         |   |   |   | 9                  | 20.00 | 26.67  | STANDARD ERROR OF THE MEAN      | 42.5240    |
| 2000 PPM  | *  | XXXXXXXXXXXXXXXXXX |   |   |   | 13                 | 28.89 | 55.56  | LOWER 95% LIMIT ON THE MEAN     | 202.4465   |
| 5000 PPM  | *  | XXXXXXXXXXXXXXXXXX |   |   |   | 13                 | 28.89 | 84.44  | UPPER 95% LIMIT ON THE MEAN     | 373.7757   |
| 1 PCT     | *  | XXXXXX             |   |   |   | 5                  | 11.11 | 95.56  | LOWER 95% LIMIT ON THE RANGE    | -286.5444  |
| 2 PCT     | *  |                    |   |   |   |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 862.7666   |
| 5 PCT     | *  | XX                 |   |   |   | 2                  | 4.44  | 100.00 | GEOMETRIC MEAN                  | 191.5168   |
|           | *  |                    |   |   |   |                    |       |        | LOG10 MEAN                      | 2.2822     |
|           | *  |                    |   |   |   |                    |       |        | LOG10 VARIANCE                  | .1637      |
|           | *  |                    |   |   |   |                    |       |        | LOG10 STANDARD DEVIATION        | .4045      |
|           | *  |                    |   |   |   |                    |       |        | STANDARD ERROR ON THE MEAN      | .0603      |
|           | *  |                    |   |   |   |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | 144.7844   |
|           | *  |                    |   |   |   |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 253.3331   |
|           | *  |                    |   |   |   |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | 29.3265    |
|           | *  |                    |   |   |   |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 1250.7009  |
|           | *  |                    |   |   |   |                    |       |        | MINIMUM VALUE                   | 20.0000    |
|           | *  |                    |   |   |   |                    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 100.0000   |
|           | *  |                    |   |   |   |                    |       |        | 50TH PERCENTILE OR MEDIAN       | 145.0000   |
|           | *  |                    |   |   |   |                    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 405.0000   |
|           | *  |                    |   |   |   |                    |       |        | 80TH PERCENTILE                 | 465.0000   |
|           | *  |                    |   |   |   |                    |       |        | 90TH PERCENTILE                 | 640.0000   |
|           | *  |                    |   |   |   |                    |       |        | 95TH PERCENTILE                 | 1150.0000  |
|           | *  |                    |   |   |   |                    |       |        | 98TH PERCENTILE                 | 1400.0000  |
|           | *  |                    |   |   |   |                    |       |        | 99TH PERCENTILE                 | 1400.0000  |
|           | *  |                    |   |   |   |                    |       |        | MAXIMUM VALUE                   | 1400.0000  |

PERCENT

VARIABLE NAME UNIT OF MEASUREMENT DATA SUBSET  
 MN LKSD PPM BEXV



VARIABLE NAME UNIT OF MEASUREMENT DATA SUBSET  
 MN LKSD PPM MVCC

| HISTOGRAM |    |                        |    |    |    | SUMMARY STATISTICS |       |        |                                 |            |
|-----------|----|------------------------|----|----|----|--------------------|-------|--------|---------------------------------|------------|
|           | ** | *                      | *  | *  | *  | N                  | %     | CUM %  |                                 |            |
| 1 PPM     | *  |                        |    |    |    |                    |       |        | TOTAL NUMBER OF SAMPLES         | 42         |
| 2 PPM     | *  |                        |    |    |    |                    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0          |
| 5 PPM     | *  |                        |    |    |    |                    |       |        | NUMBER OF NON-ZERO SAMPLES      | 42         |
| 10 PPM    | *  |                        |    |    |    |                    |       |        | ARITHMETIC MEAN                 | 193.0952   |
| 20 PPM    | *  |                        |    |    |    |                    |       |        | VARIANCE                        | 10986.5273 |
| 50 PPM    | *  | X                      |    |    |    | 1                  | 2.38  | 2.38   | STANDARD DEVIATION              | 104.8166   |
| 100 PPM   | *  | XXXXXXXXXX             |    |    |    | 8                  | 19.05 | 21.43  | SKEW                            | .8738      |
| 200 PPM   | *  | XXXXXXXXXXXXXXXXXXXXXX |    |    |    | 16                 | 38.10 | 59.52  | EXCESS KURTOSIS                 | .4193      |
| 500 PPM   | *  | XXXXXXXXXXXXXXXXXXXXXX |    |    |    | 17                 | 40.48 | 100.00 | COEFFICIENT OF VARIANCE, %      | 54.2824    |
| 1000 PPM  | *  |                        |    |    |    |                    |       |        | STANDARD ERROR OF THE MEAN      | 16.1736    |
| 2000 PPM  | *  |                        |    |    |    |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | 160.4505   |
| 5000 PPM  | *  |                        |    |    |    |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 225.7399   |
|           | ** | *                      | *  | *  | *  |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | -18.4667   |
|           | 0  | 20                     | 40 | 60 | 80 | 100                |       |        | UPPER 95% LIMIT ON THE RANGE    | 404.6571   |
|           |    |                        |    |    |    |                    |       |        | GEOMETRIC MEAN                  | 165.9477   |
|           |    |                        |    |    |    |                    |       |        | LOG10 MEAN                      | 2.2200     |
|           |    |                        |    |    |    |                    |       |        | LOG10 VARIANCE                  | .0633      |
|           |    |                        |    |    |    |                    |       |        | LOG10 STANDARD DEVIATION        | .2515      |
|           |    |                        |    |    |    |                    |       |        | STANDARD ERROR ON THE MEAN      | .0388      |
|           |    |                        |    |    |    |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | 138.5566   |
|           |    |                        |    |    |    |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 198.7537   |
|           |    |                        |    |    |    |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | 51.5518    |
|           |    |                        |    |    |    |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 534.1932   |
|           |    |                        |    |    |    |                    |       |        | MINIMUM VALUE                   | 40.0000    |
|           |    |                        |    |    |    |                    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 120.0000   |
|           |    |                        |    |    |    |                    |       |        | 50TH PERCENTILE OR MEDIAN       | 165.0000   |
|           |    |                        |    |    |    |                    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 245.0000   |
|           |    |                        |    |    |    |                    |       |        | 80TH PERCENTILE                 | 260.0000   |
|           |    |                        |    |    |    |                    |       |        | 90TH PERCENTILE                 | 345.0000   |
|           |    |                        |    |    |    |                    |       |        | 95TH PERCENTILE                 | 445.0000   |
|           |    |                        |    |    |    |                    |       |        | 98TH PERCENTILE                 | 475.0000   |
|           |    |                        |    |    |    |                    |       |        | 99TH PERCENTILE                 | 475.0000   |
|           |    |                        |    |    |    |                    |       |        | MAXIMUM VALUE                   | 475.0000   |



VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 MN LKSD                      PPM                      UKNN

| HISTOGRAM |                               |    |    |    |    | SUMMARY STATISTICS |       |                                 |           |
|-----------|-------------------------------|----|----|----|----|--------------------|-------|---------------------------------|-----------|
|           |                               |    |    |    | N  | %                  | CUM % |                                 |           |
| **        | *                             | *  | *  | *  | *  |                    |       | TOTAL NUMBER OF SAMPLES         | 73        |
|           |                               |    |    |    | *  |                    |       | NUMBER OF ZERO VALUE SAMPLES    | 0         |
| 1 PPM     | *                             |    |    |    | *  |                    |       | NUMBER OF NON-ZERO SAMPLES      | 73        |
| 2 PPM     | *                             |    |    |    | *  |                    |       | ARITHMETIC MEAN                 | 397.9452  |
| 5 PPM     | *                             |    |    |    | *  |                    |       | VARIANCE                        | *****     |
| 10 PPM    | *                             |    |    |    | *  |                    |       | STANDARD DEVIATION              | 483.9514  |
| 20 PPM    | *                             |    |    |    | *  |                    |       | SKEW                            | 3.5355    |
| 50 PPM    | X                             |    |    |    | *  | 1                  | 1.37  | EXCESS KURTOSIS                 | 13.6014   |
| 100 PPM   | XXXXX                         |    |    |    | *  | 7                  | 9.59  | COEFFICIENT OF VARIANCE, %      | 121.6126  |
| 200 PPM   | XXXXXXXXXXXXX                 |    |    |    | *  | 18                 | 24.66 | STANDARD ERROR OF THE MEAN      | 56.6422   |
| 500 PPM   | XXXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *  | 36                 | 49.32 | LOWER 95% LIMIT ON THE MEAN     | 285.0535  |
| 1000 PPM  | XXXX                          |    |    |    | *  | 6                  | 8.22  | UPPER 95% LIMIT ON THE MEAN     | 510.8369  |
| 2000 PPM  | XX                            |    |    |    | *  | 3                  | 4.11  | LOWER 95% LIMIT ON THE RANGE    | -566.6021 |
| 5000 PPM  | X                             |    |    |    | *  | 2                  | 2.74  | UPPER 95% LIMIT ON THE RANGE    | 1362.4925 |
| 1 PCT     | *                             |    |    |    | *  |                    |       | GEOMETRIC MEAN                  | 272.0524  |
| 2 PCT     | *                             |    |    |    | *  |                    |       | LOG10 MEAN                      | 2.4347    |
| 5 PCT     | *                             |    |    |    | *  |                    |       | LOG10 VARIANCE                  | .1249     |
|           | **                            | *  | *  | *  | *  |                    |       | LOG10 STANDARD DEVIATION        | .3535     |
|           | 0                             | 20 | 40 | 60 | 80 | 100                |       | STANDARD ERROR ON THE MEAN      | .0414     |
|           |                               |    |    |    |    |                    |       | LOWER 95% LIMIT ON THE MEAN     | 225.0097  |
|           |                               |    |    |    |    |                    |       | UPPER 95% LIMIT ON THE MEAN     | 328.9303  |
|           |                               |    |    |    |    |                    |       | LOWER 95% LIMIT ON THE RANGE    | 53.7264   |
|           |                               |    |    |    |    |                    |       | UPPER 95% LIMIT ON THE RANGE    | 1377.5811 |
|           |                               |    |    |    |    |                    |       | MINIMUM VALUE                   | 50.0000   |
|           |                               |    |    |    |    |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | 150.0000  |
|           |                               |    |    |    |    |                    |       | 50TH PERCENTILE OR MEDIAN       | 265.0000  |
|           |                               |    |    |    |    |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | 415.0000  |
|           |                               |    |    |    |    |                    |       | 80TH PERCENTILE                 | 440.0000  |
|           |                               |    |    |    |    |                    |       | 90TH PERCENTILE                 | 790.0000  |
|           |                               |    |    |    |    |                    |       | 95TH PERCENTILE                 | 1350.0000 |
|           |                               |    |    |    |    |                    |       | 98TH PERCENTILE                 | 2750.0000 |
|           |                               |    |    |    |    |                    |       | 99TH PERCENTILE                 | 2750.0000 |
|           |                               |    |    |    |    |                    |       | MAXIMUM VALUE                   | 2750.0000 |

SUMMARY STATISTICS

| SUBSET | VARIABLE | UNITS | N   | ARITH<br>MEAN | STD<br>DEV | CV %  | SKEW | EXCESS<br>KURT | 95% LIMITS<br>ON MEAN | GEOM<br>MEAN | LOG 10<br>MEAN | STD<br>DEV | 95% LIMITS<br>ON MEAN |      |          |
|--------|----------|-------|-----|---------------|------------|-------|------|----------------|-----------------------|--------------|----------------|------------|-----------------------|------|----------|
| DIBS   | MN LKSD  | PPM   | 253 | 339.          | 473.       | 139.5 | 9.68 | 122.93         | 280.                  | 397.         | 237.           | 2.3742     | .3579                 | 214. | 262.     |
| SMRK   | MN LKSD  | PPM   | 94  | 289.          | 526.       | 182.1 | 6.29 | 47.03          | 181.                  | 396.         | 164.           | 2.2144     | .4132                 | 135. | 199.     |
| ARGL   | MN LKSD  | PPM   | 29  | 321.          | 300.       | 93.5  | 2.19 | 6.17           | 207.                  | 435.         | 221.           | 2.3443     | .3937                 | 157. | 312.     |
| CHRT   | MN LKSD  | PPM   | 2   | .192E+05      | .266E+05   | 139.1 | 0.00 | -2.00          | -.619E+05             | .100E+06     | .346E+04       | 3.5390     | 1.4718                | .115 | .104E+09 |
| GRNT   | MN LKSD  | PPM   | 66  | 254.          | 203.       | 79.8  | 1.11 | .20            | 204.                  | 304.         | 185.           | 2.2680     | .3573                 | 151. | 227.     |
| GRNG   | MN LKSD  | PPM   | 284 | 337.          | 377.       | 111.9 | 3.44 | 15.32          | 293.                  | 381.         | 230.           | 2.3626     | .3646                 | 209. | 254.     |
| UMFC   | MN LKSD  | PPM   | 1   | 375.          | .100E-05   | .0    | .00  | .00            | 375.                  | 375.         | 375.           | 2.5740     | .0000                 | 375. | 375.     |
| CGLM   | MN LKSD  | PPM   | 24  | 328.          | 212.       | 64.7  | .91  | .28            | 239.                  | 417.         | 265.           | 2.4232     | .3006                 | 198. | 355.     |
| GRCK   | MN LKSD  | PPM   | 45  | 288.          | 285.       | 99.0  | 2.06 | 4.73           | 202.                  | 374.         | 192.           | 2.2822     | .4045                 | 145. | 253.     |
| BEXV   | MN LKSD  | PPM   | 8   | 200.          | 208.       | 104.2 | 1.69 | 1.52           | 30.2                  | 370.         | 139.           | 2.1445     | .3746                 | 69.0 | 282.     |
| MVCC   | MN LKSD  | PPM   | 42  | 193.          | 105.       | 54.3  | .87  | .42            | 160.                  | 226.         | 166.           | 2.2200     | .2515                 | 139. | 199.     |
| UKNN   | MN LKSD  | PPM   | 73  | 398.          | 484.       | 121.6 | 3.54 | 13.60          | 285.                  | 511.         | 272.           | 2.4347     | .3535                 | 225. | 329.     |

| SUBSET | VARIABLE | UNITS | N   | MIN<br>VALUE | ----- PERCENTILE ----- |           |           |           |           |           |           |           |           | MAX<br>VALUE |
|--------|----------|-------|-----|--------------|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|
|        |          |       |     |              | 25TH                   | 50TH      | 75TH      | 80TH      | 90TH      | 95TH      | 98TH      | 99TH      |           |              |
| DIBS   | MN LKSD  | PPM   | 253 | 20.000       | 135.000                | 260.000   | 405.000   | 455.000   | 645.000   | 815.000   | 1250.000  | 1450.000  | 6630.000  |              |
| SMRK   | MN LKSD  | PPM   | 94  | 30.000       | 90.000                 | 135.000   | 315.000   | 340.000   | 640.000   | 920.000   | 1750.000  | 4600.000  | 4600.000  |              |
| ARGL   | MN LKSD  | PPM   | 29  | 35.000       | 115.000                | 230.000   | 525.000   | 540.000   | 615.000   | 1500.000  | 1500.000  | 1500.000  | 1500.000  |              |
| CHRT   | MN LKSD  | PPM   | 2   | 315.000      | 315.000                | 38000.000 | 38000.000 | 38000.000 | 38000.000 | 38000.000 | 38000.000 | 38000.000 | 38000.000 |              |
| GRNT   | MN LKSD  | PPM   | 66  | 30.000       | 90.000                 | 195.000   | 350.000   | 435.000   | 650.000   | 720.000   | 770.000   | 770.000   | 770.000   |              |
| GRNG   | MN LKSD  | PPM   | 284 | 40.000       | 125.000                | 225.000   | 400.000   | 455.000   | 705.000   | 1000.000  | 1600.000  | 2300.000  | 2750.000  |              |
| UMFC   | MN LKSD  | PPM   | 1   | 375.000      | 375.000                | 375.000   | 375.000   | 375.000   | 375.000   | 375.000   | 375.000   | 375.000   | 375.000   |              |
| CGLM   | MN LKSD  | PPM   | 24  | 75.000       | 150.000                | 300.000   | 485.000   | 500.000   | 710.000   | 890.000   | 890.000   | 890.000   | 890.000   |              |
| GRCK   | MN LKSD  | PPM   | 45  | 20.000       | 100.000                | 145.000   | 405.000   | 465.000   | 640.000   | 1150.000  | 1400.000  | 1400.000  | 1400.000  |              |
| BEXV   | MN LKSD  | PPM   | 8   | 45.000       | 85.000                 | 135.000   | 305.000   | 305.000   | 675.000   | 675.000   | 675.000   | 675.000   | 675.000   |              |
| MVCC   | MN LKSD  | PPM   | 42  | 40.000       | 120.000                | 165.000   | 245.000   | 260.000   | 345.000   | 445.000   | 475.000   | 475.000   | 475.000   |              |
| UKNN   | MN LKSD  | PPM   | 73  | 50.000       | 150.000                | 265.000   | 415.000   | 440.000   | 790.000   | 1350.000  | 2750.000  | 2750.000  | 2750.000  |              |

| VARIABLE NAME<br>AS LKSD | UNIT OF MEASUREMENT<br>PPM           | DATA SUBSET<br>DIBS | HISTOGRAM |       |        | SUMMARY STATISTICS              |          |
|--------------------------|--------------------------------------|---------------------|-----------|-------|--------|---------------------------------|----------|
|                          |                                      |                     | N         | %     | CUM %  |                                 |          |
| **                       | *                                    | *                   | *         | *     | *      | TOTAL NUMBER OF SAMPLES         | 253      |
| I                        |                                      |                     | *         |       |        | NUMBER OF ZERO VALUE SAMPLES    | 1        |
| 10 PPB *                 |                                      |                     | 1         | .40   | .40    | NUMBER OF NON-ZERO SAMPLES      | 252      |
| 20 PPB *                 |                                      |                     | *         |       |        | ARITHMETIC MEAN                 | 1.2500   |
| 50 PPB *                 |                                      |                     | *         |       |        | VARIANCE                        | 3.6544   |
| 100 PPB *                |                                      |                     | *         |       |        | STANDARD DEVIATION              | 1.9116   |
| 200 PPB *                |                                      |                     | *         |       |        | SKEW                            | 4.4501   |
| 500 PPB *                | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |                     | 160       | 63.24 | 63.64  | EXCESS KURTOSIS                 | 23.6608  |
| 1 PPM *                  | XXXXXXX                              |                     | 42        | 16.60 | 80.24  | COEFFICIENT OF VARIANCE, %      | 152.9315 |
| 2 PPM *                  | XXXX                                 |                     | 19        | 7.51  | 87.75  | STANDARD ERROR OF THE MEAN      | .1204    |
| 5 PPM *                  | XXXX                                 |                     | 21        | 8.30  | 96.05  | LOWER 95% LIMIT ON THE MEAN     | 1.0128   |
| 10 PPM *                 | X                                    |                     | 7         | 2.77  | 98.81  | UPPER 95% LIMIT ON THE MEAN     | 1.4872   |
| 20 PPM *                 | X                                    |                     | 3         | 1.19  | 100.00 | LOWER 95% LIMIT ON THE RANGE    | -2.5158  |
| 50 PPM *                 |                                      |                     | *         |       |        | UPPER 95% LIMIT ON THE RANGE    | 5.0158   |
| 100 PPM *                |                                      |                     | *         |       |        | GEOMETRIC MEAN                  | .8048    |
| 200 PPM *                |                                      |                     | *         |       |        | LOG10 MEAN                      | -.0943   |
| 500 PPM *                |                                      |                     | *         |       |        | LOG10 VARIANCE                  | .1112    |
| **                       | *                                    | *                   | *         | *     | *      | LOG10 STANDARD DEVIATION        | .3335    |
| O                        | 20                                   | 40                  | 60        | 80    | 100    | STANDARD ERROR ON THE MEAN      | .0210    |
|                          |                                      |                     |           |       |        | LOWER 95% LIMIT ON THE MEAN     | .7316    |
|                          |                                      |                     |           |       |        | UPPER 95% LIMIT ON THE MEAN     | .8852    |
|                          |                                      |                     |           |       |        | LOWER 95% LIMIT ON THE RANGE    | .1773    |
|                          |                                      |                     |           |       |        | UPPER 95% LIMIT ON THE RANGE    | 3.6532   |
|                          |                                      |                     |           |       |        | MINIMUM VALUE                   | .5000    |
|                          |                                      |                     |           |       |        | 25TH PERCENTILE OR 1ST QUARTILE | .5000    |
|                          |                                      |                     |           |       |        | 50TH PERCENTILE OR MEDIAN       | .5000    |
|                          |                                      |                     |           |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 1.0000   |
|                          |                                      |                     |           |       |        | 80TH PERCENTILE                 | 1.5000   |
|                          |                                      |                     |           |       |        | 90TH PERCENTILE                 | 3.0000   |
|                          |                                      |                     |           |       |        | 95TH PERCENTILE                 | 4.5000   |
|                          |                                      |                     |           |       |        | 98TH PERCENTILE                 | 7.0000   |
|                          |                                      |                     |           |       |        | 99TH PERCENTILE                 | 12.5000  |
|                          |                                      |                     |           |       |        | MAXIMUM VALUE                   | 15.0000  |



VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 AS LKSD                      PPM                      ARGL

| HISTOGRAM |                              |    |    |    |     | SUMMARY STATISTICS |       |                              |                                 |          |
|-----------|------------------------------|----|----|----|-----|--------------------|-------|------------------------------|---------------------------------|----------|
|           |                              |    |    |    | N   | %                  | CUM % |                              |                                 |          |
| **        | *                            | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES      | 29                              |          |
| 10 PPB *  |                              |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES | 0                               |          |
| 20 PPB *  |                              |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES   | 29                              |          |
| 50 PPB *  |                              |    |    |    | *   |                    |       | ARITHMETIC MEAN              | 1.3793                          |          |
| 100 PPB * |                              |    |    |    | *   |                    |       | VARIANCE                     | 2.6367                          |          |
| 200 PPB * |                              |    |    |    | *   |                    |       | STANDARD DEVIATION           | 1.6238                          |          |
| 500 PPB * | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 14                 | 48.28 | 48.28                        | COEFFICIENT OF VARIANCE, %      | 117.7249 |
| 1 PPM *   | XXXXXXXXXX                   |    |    |    | *   | 6                  | 20.69 | 68.97                        | STANDARD ERROR OF THE MEAN      | .3015    |
| 2 PPM *   | XXXXXXX                      |    |    |    | *   | 4                  | 13.79 | 82.76                        | LOWER 95% LIMIT ON THE MEAN     | .7627    |
| 5 PPM *   | XXXXXXX                      |    |    |    | *   | 4                  | 13.79 | 96.55                        | UPPER 95% LIMIT ON THE MEAN     | 1.9959   |
| 10 PPM *  | XX                           |    |    |    | *   | 1                  | 3.45  | 100.00                       | LOWER 95% LIMIT ON THE RANGE    | -1.9413  |
| 20 PPM *  |                              |    |    |    | *   |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 4.7000   |
| 50 PPM *  |                              |    |    |    | *   |                    |       |                              | GEOMETRIC MEAN                  | .9566    |
|           |                              |    |    |    | *   |                    |       |                              | LOG10 MEAN                      | -.0193   |
|           |                              |    |    |    | *   |                    |       |                              | LOG10 VARIANCE                  | .1148    |
|           |                              |    |    |    | *   |                    |       |                              | LOG10 STANDARD DEVIATION        | .3389    |
| **        | *                            | *  | *  | *  | *   |                    |       |                              | STANDARD ERROR ON THE MEAN      | .0629    |
| 0         | 20                           | 40 | 60 | 80 | 100 |                    |       |                              | LOWER 95% LIMIT ON THE MEAN     | .7113    |
|           |                              |    |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE MEAN     | 1.2864   |
|           |                              |    |    |    |     |                    |       |                              | LOWER 95% LIMIT ON THE RANGE    | .1940    |
|           |                              |    |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 4.7170   |
|           |                              |    |    |    |     |                    |       |                              | MINIMUM VALUE                   | .5000    |
|           |                              |    |    |    |     |                    |       |                              | 25TH PERCENTILE OR 1ST QUARTILE | .5000    |
|           |                              |    |    |    |     |                    |       |                              | 50TH PERCENTILE OR MEDIAN       | 1.0000   |
|           |                              |    |    |    |     |                    |       |                              | 75TH PERCENTILE OR 3RD QUARTILE | 1.5000   |
|           |                              |    |    |    |     |                    |       |                              | 80TH PERCENTILE                 | 2.0000   |
|           |                              |    |    |    |     |                    |       |                              | 90TH PERCENTILE                 | 3.0000   |
|           |                              |    |    |    |     |                    |       |                              | 95TH PERCENTILE                 | 8.5000   |
|           |                              |    |    |    |     |                    |       |                              | 98TH PERCENTILE                 | 8.5000   |
|           |                              |    |    |    |     |                    |       |                              | 99TH PERCENTILE                 | 8.5000   |
|           |                              |    |    |    |     |                    |       |                              | MAXIMUM VALUE                   | 8.5000   |

PERCENT

|               |                     |             |
|---------------|---------------------|-------------|
| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
| AS LKSD       | PPM                 | CHRT        |

SUMMARY STATISTICS

|                                 |          |
|---------------------------------|----------|
| TOTAL NUMBER OF SAMPLES         | 2        |
| NUMBER OF ZERO VALUE SAMPLES    | 0        |
| NUMBER OF NON-ZERO SAMPLES      | 2        |
| ARITHMETIC MEAN                 | 3.2500   |
| VARIANCE                        | 6.1250   |
| STANDARD DEVIATION              | 2.4749   |
| SKEW                            | 0.0000   |
| EXCESS KURTOSIS                 | -2.0000  |
| COEFFICIENT OF VARIANCE, %      | 76.1500  |
| STANDARD ERROR OF THE MEAN      | 1.7500   |
| LOWER 95% LIMIT ON THE MEAN     | -4.2803  |
| UPPER 95% LIMIT ON THE MEAN     | 10.7803  |
| LOWER 95% LIMIT ON THE RANGE    | -7.3994  |
| UPPER 95% LIMIT ON THE RANGE    | 13.8994  |
| GEOMETRIC MEAN                  | 2.7386   |
| LOG10 MEAN                      | .4375    |
| LOG10 VARIANCE                  | .1367    |
| LOG10 STANDARD DEVIATION        | .3697    |
| STANDARD ERROR ON THE MEAN      | .2614    |
| LOWER 95% LIMIT ON THE MEAN     | .2054    |
| UPPER 95% LIMIT ON THE MEAN     | 36.5178  |
| LOWER 95% LIMIT ON THE RANGE    | .0702    |
| UPPER 95% LIMIT ON THE RANGE    | 106.7784 |
| MINIMUM VALUE                   | 1.5000   |
| 25TH PERCENTILE OR 1ST QUARTILE | 1.5000   |
| 50TH PERCENTILE OR MEDIAN       | 5.0000   |
| 75TH PERCENTILE OR 3RD QUARTILE | 5.0000   |
| 80TH PERCENTILE                 | 5.0000   |
| 90TH PERCENTILE                 | 5.0000   |
| 95TH PERCENTILE                 | 5.0000   |
| 98TH PERCENTILE                 | 5.0000   |
| 99TH PERCENTILE                 | 5.0000   |
| MAXIMUM VALUE                   | 5.0000   |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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| VARIABLE NAME<br>AS LKSD | UNIT OF MEASUREMENT<br>PPM           | DATA SUBSET<br>GRNG | HISTOGRAM |     |        | SUMMARY STATISTICS              |          |
|--------------------------|--------------------------------------|---------------------|-----------|-----|--------|---------------------------------|----------|
|                          |                                      |                     | N         | %   | CUM %  |                                 |          |
| **                       | *                                    | *                   | *         | *   | *      | TOTAL NUMBER OF SAMPLES         | 284      |
| I                        |                                      |                     | *         | 1   | .35    | NUMBER OF ZERO VALUE SAMPLES    | 1        |
| 10 PPB *                 |                                      |                     | *         |     |        | NUMBER OF NON-ZERO SAMPLES      | 283      |
| 20 PPB *                 |                                      |                     | *         |     |        | ARITHMETIC MEAN                 | 1.0795   |
| 50 PPB *                 |                                      |                     | *         |     |        | VARIANCE                        | 1.4130   |
| 100 PPB *                |                                      |                     | *         |     |        | STANDARD DEVIATION              | 1.1887   |
| 200 PPB *                |                                      |                     | *         |     |        | SKEW                            | 3.0672   |
| 500 PPB *                | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |                     | *         | 180 | 63.38  | EXCESS KURTOSIS                 | 10.7310  |
| 1 PPM *                  | XXXXXXX                              |                     | *         | 37  | 13.03  | COEFFICIENT OF VARIANCE, %      | 110.1143 |
| 2 PPM *                  | XXXXXXX                              |                     | *         | 38  | 13.38  | STANDARD ERROR OF THE MEAN      | .0707    |
| 5 PPM *                  | XXXX                                 |                     | *         | 22  | 7.75   | LOWER 95% LIMIT ON THE MEAN     | .9404    |
| 10 PPM *                 | X                                    |                     | *         | 6   | 2.11   | UPPER 95% LIMIT ON THE MEAN     | 1.2186   |
| 20 PPM *                 |                                      |                     | *         |     | 100.00 | LOWER 95% LIMIT ON THE RANGE    | -1.2606  |
| 50 PPM *                 |                                      |                     | *         |     |        | UPPER 95% LIMIT ON THE RANGE    | 3.4197   |
| **                       | *                                    | *                   | *         | *   | *      | GEOMETRIC MEAN                  | .7870    |
| 0                        | 20                                   | 40                  | 60        | 80  | 100    | LOG10 MEAN                      | -.1040   |
|                          |                                      |                     |           |     |        | LOG10 VARIANCE                  | .0903    |
|                          |                                      |                     |           |     |        | LOG10 STANDARD DEVIATION        | .3004    |
|                          |                                      |                     |           |     |        | STANDARD ERROR ON THE MEAN      | .0179    |
|                          |                                      |                     |           |     |        | LOWER 95% LIMIT ON THE MEAN     | .7258    |
|                          |                                      |                     |           |     |        | UPPER 95% LIMIT ON THE MEAN     | .8534    |
|                          |                                      |                     |           |     |        | LOWER 95% LIMIT ON THE RANGE    | .2016    |
|                          |                                      |                     |           |     |        | UPPER 95% LIMIT ON THE RANGE    | 3.0719   |
|                          |                                      |                     |           |     |        | MINIMUM VALUE                   | .5000    |
|                          |                                      |                     |           |     |        | 25TH PERCENTILE OR 1ST QUARTILE | .5000    |
|                          |                                      |                     |           |     |        | 50TH PERCENTILE OR MEDIAN       | .5000    |
|                          |                                      |                     |           |     |        | 75TH PERCENTILE OR 3RD QUARTILE | 1.0000   |
|                          |                                      |                     |           |     |        | 80TH PERCENTILE                 | 1.5000   |
|                          |                                      |                     |           |     |        | 90TH PERCENTILE                 | 2.5000   |
|                          |                                      |                     |           |     |        | 95TH PERCENTILE                 | 4.0000   |
|                          |                                      |                     |           |     |        | 98TH PERCENTILE                 | 5.5000   |
|                          |                                      |                     |           |     |        | 99TH PERCENTILE                 | 6.5000   |
|                          |                                      |                     |           |     |        | MAXIMUM VALUE                   | 8.5000   |



| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| AS LKSD       | PPM                 | UMFC        |

SUMMARY STATISTICS

|                                 |        |
|---------------------------------|--------|
| TOTAL NUMBER OF SAMPLES         | 1      |
| NUMBER OF ZERO VALUE SAMPLES    | 0      |
| NUMBER OF NON-ZERO SAMPLES      | 1      |
| ARITHMETIC MEAN                 | 3.5000 |
| VARIANCE                        | .0000  |
| STANDARD DEVIATION              | .0000  |
| SKEW                            | .0000  |
| EXCESS KURTOSIS                 | .0000  |
| COEFFICIENT OF VARIANCE, %      | .0000  |
| STANDARD ERROR OF THE MEAN      | .0000  |
| LOWER 95% LIMIT ON THE MEAN     | 3.5000 |
| UPPER 95% LIMIT ON THE MEAN     | 3.5000 |
| LOWER 95% LIMIT ON THE RANGE    | 3.5000 |
| UPPER 95% LIMIT ON THE RANGE    | 3.5000 |
| GEOMETRIC MEAN                  | 3.5000 |
| LOG10 MEAN                      | .5441  |
| LOG10 VARIANCE                  | .0000  |
| LOG10 STANDARD DEVIATION        | .0000  |
| STANDARD ERROR ON THE MEAN      | .0000  |
| LOWER 95% LIMIT ON THE MEAN     | 3.5000 |
| UPPER 95% LIMIT ON THE MEAN     | 3.5000 |
| LOWER 95% LIMIT ON THE RANGE    | 3.5000 |
| UPPER 95% LIMIT ON THE RANGE    | 3.5000 |
| MINIMUM VALUE                   | 3.5000 |
| 25TH PERCENTILE OR 1ST QUARTILE | 3.5000 |
| 50TH PERCENTILE OR MEDIAN       | 3.5000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 3.5000 |
| 80TH PERCENTILE                 | 3.5000 |
| 90TH PERCENTILE                 | 3.5000 |
| 95TH PERCENTILE                 | 3.5000 |
| 98TH PERCENTILE                 | 3.5000 |
| 99TH PERCENTILE                 | 3.5000 |
| MAXIMUM VALUE                   | 3.5000 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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| VARIABLE NAME                   |                              | UNIT OF MEASUREMENT | DATA SUBSET |             |
|---------------------------------|------------------------------|---------------------|-------------|-------------|
| AS                              | LKSD                         | PPM                 | CGLM        |             |
| HISTOGRAM                       |                              |                     |             |             |
|                                 |                              |                     | N           | % CUM %     |
| **                              | *                            | *                   | *           | *           |
| 10 PPB                          | XX                           | *                   | 1           | 4.00 4.00   |
| 20 PPB                          | *                            | *                   | *           | *           |
| 50 PPB                          | *                            | *                   | *           | *           |
| 100 PPB                         | *                            | *                   | *           | *           |
| 200 PPB                         | *                            | *                   | *           | *           |
| 500 PPB                         | XXXXXXXXXXXXXXXXXXXXXXXXXXXX | *                   | 14          | 56.00 60.00 |
| 1 PPM                           | XXXXXXXXXXXX                 | *                   | 7           | 28.00 88.00 |
| 2 PPM                           | XX                           | *                   | 1           | 4.00 92.00  |
| 5 PPM                           | XXXX                         | *                   | 2           | 8.00 100.00 |
| 10 PPM                          | *                            | *                   | *           | *           |
| 20 PPM                          | *                            | *                   | *           | *           |
| 50 PPM                          | *                            | *                   | *           | *           |
| **                              | *                            | *                   | *           | *           |
| 0                               | 20                           | 40                  | 60          | 80 100      |
| PERCENT                         |                              |                     |             |             |
| SUMMARY STATISTICS              |                              |                     |             |             |
| TOTAL NUMBER OF SAMPLES         |                              |                     |             | 25          |
| NUMBER OF ZERO VALUE SAMPLES    |                              |                     |             | 1           |
| NUMBER OF NON-ZERO SAMPLES      |                              |                     |             | 24          |
| ARITHMETIC MEAN                 |                              |                     |             | .9167       |
| VARIANCE                        |                              |                     |             | .6449       |
| STANDARD DEVIATION              |                              |                     |             | .8031       |
| SKEW                            |                              |                     |             | 2.7846      |
| EXCESS KURTOSIS                 |                              |                     |             | 7.6028      |
| COEFFICIENT OF VARIANCE, %      |                              |                     |             | 87.6081     |
| STANDARD ERROR OF THE MEAN      |                              |                     |             | .1639       |
| LOWER 95% LIMIT ON THE MEAN     |                              |                     |             | .5783       |
| UPPER 95% LIMIT ON THE MEAN     |                              |                     |             | 1.2550      |
| LOWER 95% LIMIT ON THE RANGE    |                              |                     |             | -.7409      |
| UPPER 95% LIMIT ON THE RANGE    |                              |                     |             | 2.5742      |
| GEOMETRIC MEAN                  |                              |                     |             | .7471       |
| LOG10 MEAN                      |                              |                     |             | -.1266      |
| LOG10 VARIANCE                  |                              |                     |             | .0624       |
| LOG10 STANDARD DEVIATION        |                              |                     |             | .2499       |
| STANDARD ERROR ON THE MEAN      |                              |                     |             | .0510       |
| LOWER 95% LIMIT ON THE MEAN     |                              |                     |             | .5863       |
| UPPER 95% LIMIT ON THE MEAN     |                              |                     |             | .9521       |
| LOWER 95% LIMIT ON THE RANGE    |                              |                     |             | .2279       |
| UPPER 95% LIMIT ON THE RANGE    |                              |                     |             | 2.4497      |
| MINIMUM VALUE                   |                              |                     |             | .5000       |
| 25TH PERCENTILE OR 1ST QUARTILE |                              |                     |             | .5000       |
| 50TH PERCENTILE OR MEDIAN       |                              |                     |             | .5000       |
| 75TH PERCENTILE OR 3RD QUARTILE |                              |                     |             | 1.0000      |
| 80TH PERCENTILE                 |                              |                     |             | 1.0000      |
| 90TH PERCENTILE                 |                              |                     |             | 2.5000      |
| 95TH PERCENTILE                 |                              |                     |             | 4.0000      |
| 98TH PERCENTILE                 |                              |                     |             | 4.0000      |
| 99TH PERCENTILE                 |                              |                     |             | 4.0000      |
| MAXIMUM VALUE                   |                              |                     |             | 4.0000      |









SUMMARY STATISTICS

| SUBSET | VARIABLE | UNITS | N   | ARITH<br>MEAN | STD<br>DEV | CV %  | SKEW | EXCESS<br>KURT | 95% LIMITS<br>ON MEAN | GEOM<br>MEAN | LOG 10<br>MEAN | STD<br>DEV | 95% LIMITS<br>ON MEAN |      |      |
|--------|----------|-------|-----|---------------|------------|-------|------|----------------|-----------------------|--------------|----------------|------------|-----------------------|------|------|
| DIBS   | AS LKSD  | PPM   | 252 | 1.25          | 1.91       | 152.9 | 4.45 | 23.66          | 1.01                  | 1.49         | .805           | -.0943     | .3335                 | .732 | .885 |
| SMRK   | AS LKSD  | PPM   | 94  | 1.87          | 2.95       | 158.0 | 4.19 | 22.46          | 1.27                  | 2.48         | 1.06           | .0246      | .4058                 | .874 | 1.28 |
| ARGL   | AS LKSD  | PPM   | 29  | 1.38          | 1.62       | 117.7 | 3.15 | 10.91          | .763                  | 2.00         | .957           | -.0193     | .3389                 | .711 | 1.29 |
| CHRT   | AS LKSD  | PPM   | 2   | 3.25          | 2.47       | 76.1  | 0.00 | -2.00          | -4.28                 | 10.8         | 2.74           | .4375      | .3697                 | .205 | 36.5 |
| GRNT   | AS LKSD  | PPM   | 66  | .833          | .736       | 88.3  | 2.84 | 7.66           | .653                  | 1.01         | .682           | -.1662     | .2377                 | .596 | .780 |
| GRNG   | AS LKSD  | PPM   | 283 | 1.08          | 1.19       | 110.1 | 3.07 | 10.73          | .940                  | 1.22         | .787           | -.1040     | .3004                 | .726 | .853 |
| UMFC   | AS LKSD  | PPM   | 1   | 3.50          | .100E-05   | .0    | .00  | .00            | 3.50                  | 3.50         | 3.50           | .5441      | .0000                 | 3.50 | 3.50 |
| CGLM   | AS LKSD  | PPM   | 24  | .917          | .803       | 87.6  | 2.78 | 7.60           | .578                  | 1.26         | .747           | -.1266     | .2499                 | .586 | .952 |
| GRCK   | AS LKSD  | PPM   | 45  | .956          | 1.08       | 112.6 | 4.30 | 20.64          | .633                  | 1.28         | .743           | -.1290     | .2602                 | .621 | .889 |
| BEXV   | AS LKSD  | PPM   | 8   | 1.06          | .678       | 63.8  | 1.23 | .56            | .510                  | 1.62         | .910           | -.0411     | .2529                 | .566 | 1.46 |
| MVCC   | AS LKSD  | PPM   | 41  | 1.28          | 2.02       | 157.4 | 4.11 | 18.12          | .645                  | 1.92         | .816           | -.0882     | .3376                 | .639 | 1.04 |
| UKNN   | AS LKSD  | PPM   | 73  | .712          | .485       | 68.1  | 2.65 | 7.08           | .599                  | .826         | .624           | -.2048     | .1967                 | .561 | .694 |

| SUBSET | VARIABLE | UNITS | N   | MIN<br>VALUE | ----- PERCENTILE ----- |       |       |       |       |       |        |        |        | MAX<br>VALUE |
|--------|----------|-------|-----|--------------|------------------------|-------|-------|-------|-------|-------|--------|--------|--------|--------------|
|        |          |       |     |              | 25TH                   | 50TH  | 75TH  | 80TH  | 90TH  | 95TH  | 98TH   | 99TH   |        |              |
| DIBS   | AS LKSD  | PPM   | 252 | .500         | .500                   | .500  | 1.000 | 1.500 | 3.000 | 4.500 | 7.000  | 12.500 | 15.000 |              |
| SMRK   | AS LKSD  | PPM   | 94  | .300         | .500                   | 1.000 | 1.500 | 2.500 | 5.000 | 7.000 | 10.500 | 22.000 | 22.000 |              |
| ARGL   | AS LKSD  | PPM   | 29  | .500         | .500                   | 1.000 | 1.500 | 2.000 | 3.000 | 8.500 | 8.500  | 8.500  | 8.500  |              |
| CHRT   | AS LKSD  | PPM   | 2   | 1.500        | 1.500                  | 5.000 | 5.000 | 5.000 | 5.000 | 5.000 | 5.000  | 5.000  | 5.000  |              |
| GRNT   | AS LKSD  | PPM   | 66  | .500         | .500                   | .500  | 1.000 | 1.000 | 1.500 | 3.000 | 4.000  | 4.000  | 4.000  |              |
| GRNG   | AS LKSD  | PPM   | 283 | .500         | .500                   | .500  | 1.000 | 1.500 | 2.500 | 4.000 | 5.500  | 6.500  | 8.500  |              |
| UMFC   | AS LKSD  | PPM   | 1   | 3.500        | 3.500                  | 3.500 | 3.500 | 3.500 | 3.500 | 3.500 | 3.500  | 3.500  | 3.500  |              |
| CGLM   | AS LKSD  | PPM   | 24  | .500         | .500                   | .500  | 1.000 | 1.000 | 2.500 | 4.000 | 4.000  | 4.000  | 4.000  |              |
| GRCK   | AS LKSD  | PPM   | 45  | .500         | .500                   | .500  | 1.000 | 1.000 | 2.000 | 3.000 | 7.000  | 7.000  | 7.000  |              |
| BEXV   | AS LKSD  | PPM   | 8   | .500         | .500                   | 1.000 | 1.500 | 1.500 | 2.500 | 2.500 | 2.500  | 2.500  | 2.500  |              |
| MVCC   | AS LKSD  | PPM   | 41  | .500         | .500                   | .500  | 1.000 | 1.500 | 3.000 | 5.000 | 12.000 | 12.000 | 12.000 |              |
| UKNN   | AS LKSD  | PPM   | 73  | .500         | .500                   | .500  | .500  | 1.000 | 1.500 | 2.000 | 3.000  | 3.000  | 3.000  |              |

| VARIABLE NAME |                              | UNIT OF MEASUREMENT | DATA SUBSET |    |     |     | SUMMARY STATISTICS |        |  |
|---------------|------------------------------|---------------------|-------------|----|-----|-----|--------------------|--------|--|
| MO            | LKSD                         | PPM                 | DIBS        |    |     |     |                    |        |  |
| HISTOGRAM     |                              |                     |             |    |     |     |                    |        |  |
| **            | *                            | *                   | *           | *  | *   | N   | %                  | CUM %  |  |
| 10 PPB        | *                            |                     |             |    | *   |     |                    |        | TOTAL NUMBER OF SAMPLES 253            |
| 20 PPB        | *                            |                     |             |    | *   |     |                    |        | NUMBER OF ZERO VALUE SAMPLES 0         |
| 50 PPB        | *                            |                     |             |    | *   |     |                    |        | NUMBER OF NON-ZERO SAMPLES 253         |
| 100 PPB       | *                            |                     |             |    | *   |     |                    |        | ARITHMETIC MEAN 1.8340                 |
| 200 PPB       | *                            |                     |             |    | *   |     |                    |        | VARIANCE 2.2819                        |
| 500 PPB       | *                            |                     |             |    | *   |     |                    |        | STANDARD DEVIATION 1.5106              |
| 1 PPM         | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |                     |             |    | *   | 131 | 51.78              | 51.78  | SKEW 3.9030                            |
| 2 PPM         | XXXXXXXXXXXXXXXXXXXX         |                     |             |    | *   | 88  | 34.78              | 86.56  | EXCESS KURTOSIS 18.8414                |
| 5 PPM         | XXXXX                        |                     |             |    | *   | 27  | 10.67              | 97.23  | COEFFICIENT OF VARIANCE, % 82.3657     |
| 10 PPM        | X                            |                     |             |    | *   | 5   | 1.98               | 99.21  | STANDARD ERROR OF THE MEAN .0950       |
| 20 PPM        | I                            |                     |             |    | *   | 2   | .79                | 100.00 | LOWER 95% LIMIT ON THE MEAN 1.6469     |
| 50 PPM        |                              |                     |             |    | *   |     |                    |        | UPPER 95% LIMIT ON THE MEAN 2.0211     |
| 100 PPM       |                              |                     |             |    | *   |     |                    |        | LOWER 95% LIMIT ON THE RANGE -1.1417   |
| 200 PPM       |                              |                     |             |    | *   |     |                    |        | UPPER 95% LIMIT ON THE RANGE 4.8097    |
| 500 PPM       |                              |                     |             |    | *   |     |                    |        | GEOMETRIC MEAN 1.5401                  |
|               |                              |                     |             |    | *   |     |                    |        | LOG10 MEAN .1875                       |
|               |                              |                     |             |    | *   |     |                    |        | LOG10 VARIANCE .0524                   |
|               |                              |                     |             |    | *   |     |                    |        | LOG10 STANDARD DEVIATION .2290         |
|               |                              |                     |             |    | *   |     |                    |        | STANDARD ERROR ON THE MEAN .0144       |
|               |                              |                     |             |    | *   |     |                    |        | LOWER 95% LIMIT ON THE MEAN 1.4427     |
|               |                              |                     |             |    | *   |     |                    |        | UPPER 95% LIMIT ON THE MEAN 1.6440     |
|               |                              |                     |             |    | *   |     |                    |        | LOWER 95% LIMIT ON THE RANGE .5451     |
|               |                              |                     |             |    | *   |     |                    |        | UPPER 95% LIMIT ON THE RANGE 4.3508    |
| **            | *                            | *                   | *           | *  | *   |     |                    |        |  |
| 0             | 20                           | 40                  | 60          | 80 | 100 |     |                    |        |  |
| PERCENT       |                              |                     |             |    |     |     |                    |        |  |
|               |                              |                     |             |    |     |     |                    |        | MINIMUM VALUE 1.0000                   |
|               |                              |                     |             |    |     |     |                    |        | 25TH PERCENTILE OR 1ST QUARTILE 1.0000 |
|               |                              |                     |             |    |     |     |                    |        | 50TH PERCENTILE OR MEDIAN 1.0000       |
|               |                              |                     |             |    |     |     |                    |        | 75TH PERCENTILE OR 3RD QUARTILE 2.0000 |
|               |                              |                     |             |    |     |     |                    |        | 80TH PERCENTILE 2.0000                 |
|               |                              |                     |             |    |     |     |                    |        | 90TH PERCENTILE 3.0000                 |
|               |                              |                     |             |    |     |     |                    |        | 95TH PERCENTILE 4.0000                 |
|               |                              |                     |             |    |     |     |                    |        | 98TH PERCENTILE 8.0000                 |
|               |                              |                     |             |    |     |     |                    |        | 99TH PERCENTILE 10.0000                |
|               |                              |                     |             |    |     |     |                    |        | MAXIMUM VALUE 12.0000                  |



VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 MO LKSD                      PPM                      SMRK

| HISTOGRAM |                    |    |    |    |     | SUMMARY STATISTICS |       |        |                                 |         |
|-----------|--------------------|----|----|----|-----|--------------------|-------|--------|---------------------------------|---------|
| **        | *                  | *  | *  | *  | *   | N                  | %     | CUM %  |                                 |         |
| 10 PPB *  |                    |    |    |    | *   |                    |       |        | TOTAL NUMBER OF SAMPLES         | 94      |
|           |                    |    |    |    | *   |                    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0       |
|           |                    |    |    |    | *   |                    |       |        | NUMBER OF NON-ZERO SAMPLES      | 94      |
| 20 PPB *  |                    |    |    |    | *   |                    |       |        | ARITHMETIC MEAN                 | 2.7979  |
| 50 PPB *  |                    |    |    |    | *   |                    |       |        | VARIANCE                        | 4.1630  |
| 100 PPB * |                    |    |    |    | *   |                    |       |        | STANDARD DEVIATION              | 2.0403  |
| 200 PPB * |                    |    |    |    | *   |                    |       |        | SKEW                            | 1.3065  |
| 500 PPB * |                    |    |    |    | *   |                    |       |        | EXCESS KURTOSIS                 | 1.1452  |
|           | XXXXXXXXXXXXXXXXXX |    |    |    | *   | 31                 | 32.98 | 32.98  | COEFFICIENT OF VARIANCE, %      | 72.9249 |
| 1 PPM *   |                    |    |    |    | *   |                    |       |        | STANDARD ERROR OF THE MEAN      | .2104   |
|           | XXXXXXXXXXXXXXXXXX |    |    |    | *   | 24                 | 25.53 | 58.51  | LOWER 95% LIMIT ON THE MEAN     | 2.3799  |
| 2 PPM *   |                    |    |    |    | *   |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 3.2158  |
|           | XXXXXXXXXXXXXXXXXX |    |    |    | *   | 28                 | 29.79 | 88.30  | LOWER 95% LIMIT ON THE RANGE    | -1.2541 |
| 5 PPM *   |                    |    |    |    | *   |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 6.8498  |
|           | XXXXXX             |    |    |    | *   | 11                 | 11.70 | 100.00 |                                 |         |
| 10 PPM *  |                    |    |    |    | *   |                    |       |        | GEOMETRIC MEAN                  | 2.2084  |
| 20 PPM *  |                    |    |    |    | *   |                    |       |        | LOG10 MEAN                      | .3441   |
| 50 PPM *  |                    |    |    |    | *   |                    |       |        | LOG10 VARIANCE                  | .0882   |
| 100 PPM * |                    |    |    |    | *   |                    |       |        | LOG10 STANDARD DEVIATION        | .2970   |
| 200 PPM * |                    |    |    |    | *   |                    |       |        | STANDARD ERROR ON THE MEAN      | .0306   |
| 500 PPM * |                    |    |    |    | *   |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | 1.9197  |
|           |                    |    |    |    | *   |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 2.5404  |
|           |                    |    |    |    | *   |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | .5679   |
|           |                    |    |    |    | *   |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 8.5871  |
| **        | *                  | *  | *  | *  | *   |                    |       |        |                                 |         |
| 0         | 20                 | 40 | 60 | 80 | 100 |                    |       |        | MINIMUM VALUE                   | 1.0000  |
|           |                    |    |    |    |     |                    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 1.0000  |
|           |                    |    |    |    |     |                    |       |        | 50TH PERCENTILE OR MEDIAN       | 2.0000  |
|           |                    |    |    |    |     |                    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 3.0000  |
|           |                    |    |    |    |     |                    |       |        | 80TH PERCENTILE                 | 5.0000  |
|           |                    |    |    |    |     |                    |       |        | 90TH PERCENTILE                 | 6.0000  |
|           |                    |    |    |    |     |                    |       |        | 95TH PERCENTILE                 | 7.0000  |
|           |                    |    |    |    |     |                    |       |        | 98TH PERCENTILE                 | 8.0000  |
|           |                    |    |    |    |     |                    |       |        | 99TH PERCENTILE                 | 10.0000 |
|           |                    |    |    |    |     |                    |       |        | MAXIMUM VALUE                   | 10.0000 |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 MO LKSD                      PPM                      ARGL

| HISTOGRAM |                       |    |    |    |     | SUMMARY STATISTICS |       |                                 |         |
|-----------|-----------------------|----|----|----|-----|--------------------|-------|---------------------------------|---------|
|           |                       |    |    |    | N   | %                  | CUM % |                                 |         |
| **        | *                     | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES         | 29      |
| 10 PPB *  |                       |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 20 PPB *  |                       |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES      | 29      |
| 50 PPB *  |                       |    |    |    | *   |                    |       | ARITHMETIC MEAN                 | 2.2069  |
| 100 PPB * |                       |    |    |    | *   |                    |       | VARIANCE                        | 2.2414  |
| 200 PPB * |                       |    |    |    | *   |                    |       | STANDARD DEVIATION              | 1.4971  |
| 500 PPB * |                       |    |    |    | *   |                    |       | SKEW                            | 1.7199  |
| 1 PPM *   | XXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 11                 | 37.93 | EXCESS KURTOSIS                 | 2.7462  |
| 2 PPM *   | XXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 10                 | 34.48 | COEFFICIENT OF VARIANCE, %      | 67.8384 |
| 5 PPM *   | XXXXXXXXXXXX          |    |    |    | *   | 6                  | 20.69 | STANDARD ERROR OF THE MEAN      | .2780   |
| 10 PPM *  | XXX                   |    |    |    | *   | 2                  | 6.90  | LOWER 95% LIMIT ON THE MEAN     | 1.6384  |
| 20 PPM *  |                       |    |    |    | *   |                    |       | UPPER 95% LIMIT ON THE MEAN     | 2.7754  |
| 50 PPM *  |                       |    |    |    | *   |                    |       | LOWER 95% LIMIT ON THE RANGE    | -.8547  |
|           |                       |    |    |    | *   |                    |       | UPPER 95% LIMIT ON THE RANGE    | 5.2685  |
| **        | *                     | *  | *  | *  | *   |                    |       | GEOMETRIC MEAN                  | 1.8497  |
| 0         | 20                    | 40 | 60 | 80 | 100 |                    |       | LOG10 MEAN                      | .2671   |
|           |                       |    |    |    |     |                    |       | LOG10 VARIANCE                  | .0640   |
|           |                       |    |    |    |     |                    |       | LOG10 STANDARD DEVIATION        | .2530   |
|           |                       |    |    |    |     |                    |       | STANDARD ERROR ON THE MEAN      | .0470   |
|           |                       |    |    |    |     |                    |       | LOWER 95% LIMIT ON THE MEAN     | 1.4826  |
|           |                       |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE MEAN     | 2.3077  |
|           |                       |    |    |    |     |                    |       | LOWER 95% LIMIT ON THE RANGE    | .5620   |
|           |                       |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE RANGE    | 6.0885  |
|           |                       |    |    |    |     |                    |       | MINIMUM VALUE                   | 1.0000  |
|           |                       |    |    |    |     |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | 1.0000  |
|           |                       |    |    |    |     |                    |       | 50TH PERCENTILE OR MEDIAN       | 2.0000  |
|           |                       |    |    |    |     |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | 3.0000  |
|           |                       |    |    |    |     |                    |       | 80TH PERCENTILE                 | 3.0000  |
|           |                       |    |    |    |     |                    |       | 90TH PERCENTILE                 | 4.0000  |
|           |                       |    |    |    |     |                    |       | 95TH PERCENTILE                 | 7.0000  |
|           |                       |    |    |    |     |                    |       | 98TH PERCENTILE                 | 7.0000  |
|           |                       |    |    |    |     |                    |       | 99TH PERCENTILE                 | 7.0000  |
|           |                       |    |    |    |     |                    |       | MAXIMUM VALUE                   | 7.0000  |

PERCENT

| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| MO LKSD       | PPM                 | CHRT        |

SUMMARY STATISTICS

|                              |   |
|------------------------------|---|
| TOTAL NUMBER OF SAMPLES      | 2 |
| NUMBER OF ZERO VALUE SAMPLES | 0 |
| NUMBER OF NON-ZERO SAMPLES   | 2 |

|                    |         |
|--------------------|---------|
| ARITHMETIC MEAN    | 4.0000  |
| VARIANCE           | 2.0000  |
| STANDARD DEVIATION | 1.4142  |
| SKEW               | 0.0000  |
| EXCESS KURTOSIS    | -2.0000 |

|                            |         |
|----------------------------|---------|
| COEFFICIENT OF VARIANCE, % | 35.3553 |
|----------------------------|---------|

|                             |        |
|-----------------------------|--------|
| STANDARD ERROR OF THE MEAN  | 1.0000 |
| LOWER 95% LIMIT ON THE MEAN | -.3030 |
| UPPER 95% LIMIT ON THE MEAN | 8.3030 |

|                              |         |
|------------------------------|---------|
| LOWER 95% LIMIT ON THE RANGE | -2.0854 |
| UPPER 95% LIMIT ON THE RANGE | 10.0854 |

|                          |        |
|--------------------------|--------|
| GEOMETRIC MEAN           | 3.8730 |
| LOG10 MEAN               | .5880  |
| LOG10 VARIANCE           | .0246  |
| LOG10 STANDARD DEVIATION | .1569  |

|                             |         |
|-----------------------------|---------|
| STANDARD ERROR ON THE MEAN  | .1109   |
| LOWER 95% LIMIT ON THE MEAN | 1.2904  |
| UPPER 95% LIMIT ON THE MEAN | 11.6239 |

|                              |         |
|------------------------------|---------|
| LOWER 95% LIMIT ON THE RANGE | .8185   |
| UPPER 95% LIMIT ON THE RANGE | 18.3257 |

|                                 |        |
|---------------------------------|--------|
| MINIMUM VALUE                   | 3.0000 |
| 25TH PERCENTILE OR 1ST QUARTILE | 3.0000 |
| 50TH PERCENTILE OR MEDIAN       | 5.0000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 5.0000 |
| 80TH PERCENTILE                 | 5.0000 |
| 90TH PERCENTILE                 | 5.0000 |
| 95TH PERCENTILE                 | 5.0000 |
| 98TH PERCENTILE                 | 5.0000 |
| 99TH PERCENTILE                 | 5.0000 |
| MAXIMUM VALUE                   | 5.0000 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 MO LKSD                      PPM                      GRNT

| HISTOGRAM |                            |    |    |    |     | SUMMARY STATISTICS |       |                              |                                 |         |
|-----------|----------------------------|----|----|----|-----|--------------------|-------|------------------------------|---------------------------------|---------|
|           |                            |    |    |    | N   | %                  | CUM % |                              |                                 |         |
| **        | *                          | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES      | 66                              |         |
|           |                            |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES | 0                               |         |
| 10 PPB *  |                            |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES   | 66                              |         |
| 20 PPB *  |                            |    |    |    | *   |                    |       | ARITHMETIC MEAN              | 2.0303                          |         |
| 50 PPB *  |                            |    |    |    | *   |                    |       | VARIANCE                     | 2.0298                          |         |
| 100 PPB * |                            |    |    |    | *   |                    |       | STANDARD DEVIATION           | 1.4247                          |         |
| 200 PPB * |                            |    |    |    | *   |                    |       | SKEW                         | 2.0692                          |         |
| 500 PPB * |                            |    |    |    | *   |                    |       | EXCESS KURTOSIS              | 5.0547                          |         |
|           | XXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 31                 | 46.97 | 46.97                        | COEFFICIENT OF VARIANCE, %      | 70.1729 |
| 1 PPM *   |                            |    |    |    | *   | 18                 | 27.27 | 74.24                        | STANDARD ERROR OF THE MEAN      | .1754   |
| 2 PPM *   | XXXXXXXXXXXXXXXXXX         |    |    |    | *   | 15                 | 22.73 | 96.97                        | LOWER 95% LIMIT ON THE MEAN     | 1.6801  |
| 5 PPM *   | XXXXXXXXXXXXX              |    |    |    | *   | 2                  | 3.03  | 100.00                       | UPPER 95% LIMIT ON THE MEAN     | 2.3805  |
| 10 PPM *  | XX                         |    |    |    | *   |                    |       |                              | LOWER 95% LIMIT ON THE RANGE    | -.8146  |
| 20 PPM *  |                            |    |    |    | *   |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 4.8752  |
| 50 PPM *  |                            |    |    |    | *   |                    |       |                              | GEOMETRIC MEAN                  | 1.6960  |
|           |                            |    |    |    | *   |                    |       |                              | LOG10 MEAN                      | .2294   |
| **        | *                          | *  | *  | *  | *   |                    |       |                              | LOG10 VARIANCE                  | .0620   |
| 0         | 20                         | 40 | 60 | 80 | 100 |                    |       |                              | LOG10 STANDARD DEVIATION        | .2489   |
|           |                            |    |    |    |     |                    |       |                              | STANDARD ERROR ON THE MEAN      | .0306   |
|           |                            |    |    |    |     |                    |       |                              | LOWER 95% LIMIT ON THE MEAN     | 1.4731  |
|           |                            |    |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE MEAN     | 1.9526  |
|           |                            |    |    |    |     |                    |       |                              | LOWER 95% LIMIT ON THE RANGE    | .5400   |
|           |                            |    |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 5.3272  |
|           |                            |    |    |    |     |                    |       |                              | MINIMUM VALUE                   | 1.0000  |
|           |                            |    |    |    |     |                    |       |                              | 25TH PERCENTILE OR 1ST QUARTILE | 1.0000  |
|           |                            |    |    |    |     |                    |       |                              | 50TH PERCENTILE OR MEDIAN       | 2.0000  |
|           |                            |    |    |    |     |                    |       |                              | 75TH PERCENTILE OR 3RD QUARTILE | 3.0000  |
|           |                            |    |    |    |     |                    |       |                              | 80TH PERCENTILE                 | 3.0000  |
|           |                            |    |    |    |     |                    |       |                              | 90TH PERCENTILE                 | 4.0000  |
|           |                            |    |    |    |     |                    |       |                              | 95TH PERCENTILE                 | 5.0000  |
|           |                            |    |    |    |     |                    |       |                              | 98TH PERCENTILE                 | 8.0000  |
|           |                            |    |    |    |     |                    |       |                              | 99TH PERCENTILE                 | 8.0000  |
|           |                            |    |    |    |     |                    |       |                              | MAXIMUM VALUE                   | 8.0000  |

PERCENT

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 MO LKSD                      PPM                      GRNG

| HISTOGRAM |                       |   |   |   |   | SUMMARY STATISTICS |       |        |                                 |         |
|-----------|-----------------------|---|---|---|---|--------------------|-------|--------|---------------------------------|---------|
| **        | *                     | * | * | * | * | N                  | %     | CUM %  |                                 |         |
| 10 PPB *  |                       |   |   |   | * |                    |       |        | TOTAL NUMBER OF SAMPLES         | 284     |
| 20 PPB *  |                       |   |   |   | * |                    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 50 PPB *  |                       |   |   |   | * |                    |       |        | NUMBER OF NON-ZERO SAMPLES      | 284     |
| 100 PPB * |                       |   |   |   | * |                    |       |        | ARITHMETIC MEAN                 | 2.0775  |
| 200 PPB * |                       |   |   |   | * |                    |       |        | VARIANCE                        | 1.9586  |
| 500 PPB * |                       |   |   |   | * |                    |       |        | STANDARD DEVIATION              | 1.3995  |
| 1 PPM *   | XXXXXXXXXXXXXXXXXXXXX |   |   |   | * | 107                | 37.68 | 37.68  | SKEW                            | 2.8139  |
| 2 PPM *   | XXXXXXXXXXXXXXXXXXXXX |   |   |   | * | 113                | 39.79 | 77.46  | EXCESS KURTOSIS                 | 12.0122 |
| 5 PPM *   | XXXXXXXXXX            |   |   |   | * | 52                 | 18.31 | 95.77  | COEFFICIENT OF VARIANCE, %      | 67.3665 |
| 10 PPM *  | XX                    |   |   |   | * | 11                 | 3.87  | 99.65  | STANDARD ERROR OF THE MEAN      | .0830   |
| 20 PPM *  | I                     |   |   |   | * | 1                  | .35   | 100.00 | LOWER 95% LIMIT ON THE MEAN     | 1.9140  |
| 50 PPM *  |                       |   |   |   | * |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 2.2410  |
| 100 PPM * |                       |   |   |   | * |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | -.6777  |
| 200 PPM * |                       |   |   |   | * |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 4.8326  |
| 500 PPM * |                       |   |   |   | * |                    |       |        | GEOMETRIC MEAN                  | 1.7762  |
|           |                       |   |   |   | * |                    |       |        | LOG10 MEAN                      | .2495   |
|           |                       |   |   |   | * |                    |       |        | LOG10 VARIANCE                  | .0534   |
|           |                       |   |   |   | * |                    |       |        | LOG10 STANDARD DEVIATION        | .2310   |
|           |                       |   |   |   | * |                    |       |        | STANDARD ERROR ON THE MEAN      | .0137   |
|           |                       |   |   |   | * |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | 1.6691  |
|           |                       |   |   |   | * |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 1.8900  |
|           |                       |   |   |   | * |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | .6232   |
|           |                       |   |   |   | * |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 5.0619  |
|           |                       |   |   |   | * |                    |       |        | MINIMUM VALUE                   | 1.0000  |
|           |                       |   |   |   | * |                    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 1.0000  |
|           |                       |   |   |   | * |                    |       |        | 50TH PERCENTILE OR MEDIAN       | 2.0000  |
|           |                       |   |   |   | * |                    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 2.0000  |
|           |                       |   |   |   | * |                    |       |        | 80TH PERCENTILE                 | 3.0000  |
|           |                       |   |   |   | * |                    |       |        | 90TH PERCENTILE                 | 3.0000  |
|           |                       |   |   |   | * |                    |       |        | 95TH PERCENTILE                 | 5.0000  |
|           |                       |   |   |   | * |                    |       |        | 98TH PERCENTILE                 | 7.0000  |
|           |                       |   |   |   | * |                    |       |        | 99TH PERCENTILE                 | 7.0000  |
|           |                       |   |   |   | * |                    |       |        | MAXIMUM VALUE                   | 12.0000 |

PERCENT

| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| MO LKSD       | PPM                 | UMFC        |

SUMMARY STATISTICS

|                              |   |
|------------------------------|---|
| TOTAL NUMBER OF SAMPLES      | 1 |
| NUMBER OF ZERO VALUE SAMPLES | 0 |
| NUMBER OF NON-ZERO SAMPLES   | 1 |

|                    |        |
|--------------------|--------|
| ARITHMETIC MEAN    | 7.0000 |
| VARIANCE           | .0000  |
| STANDARD DEVIATION | .0000  |
| SKEW               | .0000  |
| EXCESS KURTOSIS    | .0000  |

|                            |       |
|----------------------------|-------|
| COEFFICIENT OF VARIANCE, % | .0000 |
|----------------------------|-------|

|                             |        |
|-----------------------------|--------|
| STANDARD ERROR OF THE MEAN  | .0000  |
| LOWER 95% LIMIT ON THE MEAN | 7.0000 |
| UPPER 95% LIMIT ON THE MEAN | 7.0000 |

|                              |        |
|------------------------------|--------|
| LOWER 95% LIMIT ON THE RANGE | 7.0000 |
| UPPER 95% LIMIT ON THE RANGE | 7.0000 |

|                          |        |
|--------------------------|--------|
| GEOMETRIC MEAN           | 7.0000 |
| LOG10 MEAN               | .8451  |
| LOG10 VARIANCE           | .0000  |
| LOG10 STANDARD DEVIATION | .0000  |

|                             |        |
|-----------------------------|--------|
| STANDARD ERROR ON THE MEAN  | .0000  |
| LOWER 95% LIMIT ON THE MEAN | 7.0000 |
| UPPER 95% LIMIT ON THE MEAN | 7.0000 |

|                              |        |
|------------------------------|--------|
| LOWER 95% LIMIT ON THE RANGE | 7.0000 |
| UPPER 95% LIMIT ON THE RANGE | 7.0000 |

|                                 |        |
|---------------------------------|--------|
| MINIMUM VALUE                   | 7.0000 |
| 25TH PERCENTILE OR 1ST QUARTILE | 7.0000 |
| 50TH PERCENTILE OR MEDIAN       | 7.0000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 7.0000 |
| 80TH PERCENTILE                 | 7.0000 |
| 90TH PERCENTILE                 | 7.0000 |
| 95TH PERCENTILE                 | 7.0000 |
| 98TH PERCENTILE                 | 7.0000 |
| 99TH PERCENTILE                 | 7.0000 |
| MAXIMUM VALUE                   | 7.0000 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 MO LKSD                      PPM                      CGLM

| HISTOGRAM |                              |    |    | SUMMARY STATISTICS |       |                              |                                 |         |
|-----------|------------------------------|----|----|--------------------|-------|------------------------------|---------------------------------|---------|
|           |                              |    | N  | %                  | CUM % |                              |                                 |         |
| **        | *                            | *  | *  | *                  | *     | TOTAL NUMBER OF SAMPLES      | 25                              |         |
| XX        |                              |    |    |                    |       | NUMBER OF ZERO VALUE SAMPLES | 1                               |         |
| 10 PPB *  |                              |    | *  | 1                  | 4.00  | 4.00                         | NUMBER OF NON-ZERO SAMPLES      | 24      |
| 20 PPB *  |                              |    | *  |                    |       |                              |                                 |         |
| 50 PPB *  |                              |    | *  |                    |       | ARITHMETIC MEAN              | 1.5833                          |         |
| 100 PPB * |                              |    | *  |                    |       | VARIANCE                     | .7754                           |         |
| 200 PPB * |                              |    | *  |                    |       | STANDARD DEVIATION           | .8805                           |         |
| 500 PPB * |                              |    | *  |                    |       | SKEW                         | 2.4738                          |         |
| 1 PPM *   | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    | *  | 13                 | 52.00 | 56.00                        | EXCESS KURTOSIS                 | 7.4202  |
| 2 PPM *   | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    | *  | 10                 | 40.00 | 96.00                        | COEFFICIENT OF VARIANCE, %      | 55.6135 |
| 5 PPM *   | XX                           |    | *  | 1                  | 4.00  | 100.00                       | STANDARD ERROR OF THE MEAN      | .1797   |
| 10 PPM *  |                              |    | *  |                    |       |                              | LOWER 95% LIMIT ON THE MEAN     | 1.2123  |
| 20 PPM *  |                              |    | *  |                    |       |                              | UPPER 95% LIMIT ON THE MEAN     | 1.9543  |
| 50 PPM *  |                              |    | *  |                    |       |                              | LOWER 95% LIMIT ON THE RANGE    | -.2341  |
|           |                              |    | *  |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 3.4008  |
|           |                              |    | *  |                    |       |                              | GEOMETRIC MEAN                  | 1.4274  |
|           |                              |    | *  |                    |       |                              | LOG10 MEAN                      | .1546   |
|           |                              |    | *  |                    |       |                              | LOG10 VARIANCE                  | .0357   |
|           |                              |    | *  |                    |       |                              | LOG10 STANDARD DEVIATION        | .1890   |
| **        | *                            | *  | *  | *                  | *     |                              | STANDARD ERROR ON THE MEAN      | .0386   |
| 0         | 20                           | 40 | 60 | 80                 | 100   |                              | LOWER 95% LIMIT ON THE MEAN     | 1.1883  |
|           |                              |    |    |                    |       |                              | UPPER 95% LIMIT ON THE MEAN     | 1.7147  |
|           |                              |    |    |                    |       |                              | LOWER 95% LIMIT ON THE RANGE    | .5814   |
|           |                              |    |    |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 3.5045  |
|           |                              |    |    |                    |       |                              | MINIMUM VALUE                   | 1.0000  |
|           |                              |    |    |                    |       |                              | 25TH PERCENTILE OR 1ST QUARTILE | 1.0000  |
|           |                              |    |    |                    |       |                              | 50TH PERCENTILE OR MEDIAN       | 1.0000  |
|           |                              |    |    |                    |       |                              | 75TH PERCENTILE OR 3RD QUARTILE | 2.0000  |
|           |                              |    |    |                    |       |                              | 80TH PERCENTILE                 | 2.0000  |
|           |                              |    |    |                    |       |                              | 90TH PERCENTILE                 | 2.0000  |
|           |                              |    |    |                    |       |                              | 95TH PERCENTILE                 | 5.0000  |
|           |                              |    |    |                    |       |                              | 98TH PERCENTILE                 | 5.0000  |
|           |                              |    |    |                    |       |                              | 99TH PERCENTILE                 | 5.0000  |
|           |                              |    |    |                    |       |                              | MAXIMUM VALUE                   | 5.0000  |

PERCENT

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 MO LKSD                      PPM                      GRCK

| HISTOGRAM |                              |    |    |    |     | SUMMARY STATISTICS |       |                                 |                              |         |
|-----------|------------------------------|----|----|----|-----|--------------------|-------|---------------------------------|------------------------------|---------|
|           |                              |    |    |    | N   | %                  | CUM % |                                 |                              |         |
| **        | *                            | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES         | 45                           |         |
|           |                              |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES    | 0                            |         |
| 10 PPB *  |                              |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES      | 45                           |         |
| 20 PPB *  |                              |    |    |    | *   |                    |       | ARITHMETIC MEAN                 | 1.8444                       |         |
| 50 PPB *  |                              |    |    |    | *   |                    |       | VARIANCE                        | 1.0889                       |         |
| 100 PPB * |                              |    |    |    | *   |                    |       | STANDARD DEVIATION              | 1.0435                       |         |
| 200 PPB * |                              |    |    |    | *   |                    |       | SKEW                            | 1.1637                       |         |
| 500 PPB * |                              |    |    |    | *   |                    |       | EXCESS KURTOSIS                 | .6426                        |         |
|           | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 22                 | 48.89 | 48.89                           | COEFFICIENT OF VARIANCE, %   | 56.5752 |
| 1 PPM *   |                              |    |    |    | *   |                    |       | STANDARD ERROR OF THE MEAN      | .1556                        |         |
|           | XXXXXXXXXXXXXXXXXXXX         |    |    |    | *   | 13                 | 28.89 | 77.78                           | LOWER 95% LIMIT ON THE MEAN  | 1.5311  |
| 2 PPM *   |                              |    |    |    | *   |                    |       | UPPER 95% LIMIT ON THE MEAN     | 2.1578                       |         |
|           | XXXXXXXXXXXX                 |    |    |    | *   | 10                 | 22.22 | 100.00                          | LOWER 95% LIMIT ON THE RANGE | -.2577  |
| 5 PPM *   |                              |    |    |    | *   |                    |       | UPPER 95% LIMIT ON THE RANGE    | 3.9466                       |         |
| 10 PPM *  |                              |    |    |    | *   |                    |       | GEOMETRIC MEAN                  | 1.6079                       |         |
| 20 PPM *  |                              |    |    |    | *   |                    |       | LOG10 MEAN                      | .2063                        |         |
| 50 PPM *  |                              |    |    |    | *   |                    |       | LOG10 VARIANCE                  | .0501                        |         |
|           |                              |    |    |    | *   |                    |       | LOG10 STANDARD DEVIATION        | .2239                        |         |
| **        | *                            | *  | *  | *  | *   |                    |       | STANDARD ERROR ON THE MEAN      | .0334                        |         |
| 0         | 20                           | 40 | 60 | 80 | 100 |                    |       | LOWER 95% LIMIT ON THE MEAN     | 1.3773                       |         |
|           |                              |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE MEAN     | 1.8771                       |         |
|           |                              |    |    |    |     |                    |       | LOWER 95% LIMIT ON THE RANGE    | .5691                        |         |
|           |                              |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE RANGE    | 4.5424                       |         |
|           |                              |    |    |    |     |                    |       | MINIMUM VALUE                   | 1.0000                       |         |
|           |                              |    |    |    |     |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | 1.0000                       |         |
|           |                              |    |    |    |     |                    |       | 50TH PERCENTILE OR MEDIAN       | 2.0000                       |         |
|           |                              |    |    |    |     |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | 2.0000                       |         |
|           |                              |    |    |    |     |                    |       | 80TH PERCENTILE                 | 3.0000                       |         |
|           |                              |    |    |    |     |                    |       | 90TH PERCENTILE                 | 3.0000                       |         |
|           |                              |    |    |    |     |                    |       | 95TH PERCENTILE                 | 4.0000                       |         |
|           |                              |    |    |    |     |                    |       | 98TH PERCENTILE                 | 5.0000                       |         |
|           |                              |    |    |    |     |                    |       | 99TH PERCENTILE                 | 5.0000                       |         |
|           |                              |    |    |    |     |                    |       | MAXIMUM VALUE                   | 5.0000                       |         |

PERCENT



VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 MO LKSD                      PPM                      BEXV

| HISTOGRAM |                              |    |    |    |     | SUMMARY STATISTICS |       |                              |                                 |         |
|-----------|------------------------------|----|----|----|-----|--------------------|-------|------------------------------|---------------------------------|---------|
|           |                              |    |    |    | N   | %                  | CUM % |                              |                                 |         |
| **        | *                            | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES      | 8                               |         |
|           |                              |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES | 0                               |         |
| 10 PPB *  |                              |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES   | 8                               |         |
| 20 PPB *  |                              |    |    |    | *   |                    |       | ARITHMETIC MEAN              | 1.5000                          |         |
| 50 PPB *  |                              |    |    |    | *   |                    |       | VARIANCE                     | .5714                           |         |
| 100 PPB * |                              |    |    |    | *   |                    |       | STANDARD DEVIATION           | .7559                           |         |
| 200 PPB * |                              |    |    |    | *   |                    |       | SKEW                         | 1.0607                          |         |
| 500 PPB * |                              |    |    |    | *   |                    |       | EXCESS KURTOSIS              | -.2500                          |         |
|           | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 5                  | 62.50 | 62.50                        | COEFFICIENT OF VARIANCE, %      | 50.3953 |
| 1 PPM *   |                              |    |    |    | *   | 2                  | 25.00 | 87.50                        | STANDARD ERROR OF THE MEAN      | .2673   |
| 2 PPM *   | XXXXXXXXXXXX                 |    |    |    | *   | 1                  | 12.50 | 100.00                       | LOWER 95% LIMIT ON THE MEAN     | .8837   |
| 5 PPM *   | XXXXXX                       |    |    |    | *   |                    |       |                              | UPPER 95% LIMIT ON THE MEAN     | 2.1163  |
| 10 PPM *  |                              |    |    |    | *   |                    |       |                              | LOWER 95% LIMIT ON THE RANGE    | -.2432  |
| 20 PPM *  |                              |    |    |    | *   |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 3.2432  |
| 50 PPM *  |                              |    |    |    | *   |                    |       |                              | GEOMETRIC MEAN                  | 1.3643  |
|           |                              |    |    |    | *   |                    |       |                              | LOG10 MEAN                      | .1349   |
| **        | *                            | *  | *  | *  | *   |                    |       |                              | LOG10 VARIANCE                  | .0376   |
| 0         | 20                           | 40 | 60 | 80 | 100 |                    |       |                              | LOG10 STANDARD DEVIATION        | .1939   |
|           |                              |    |    |    |     |                    |       |                              | STANDARD ERROR ON THE MEAN      | .0686   |
|           |                              |    |    |    |     |                    |       |                              | LOWER 95% LIMIT ON THE MEAN     | .9479   |
|           |                              |    |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE MEAN     | 1.9635  |
|           |                              |    |    |    |     |                    |       |                              | LOWER 95% LIMIT ON THE RANGE    | .4871   |
|           |                              |    |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 3.8206  |
|           |                              |    |    |    |     |                    |       |                              | MINIMUM VALUE                   | 1.0000  |
|           |                              |    |    |    |     |                    |       |                              | 25TH PERCENTILE OR 1ST QUARTILE | 1.0000  |
|           |                              |    |    |    |     |                    |       |                              | 50TH PERCENTILE OR MEDIAN       | 1.0000  |
|           |                              |    |    |    |     |                    |       |                              | 75TH PERCENTILE OR 3RD QUARTILE | 2.0000  |
|           |                              |    |    |    |     |                    |       |                              | 80TH PERCENTILE                 | 2.0000  |
|           |                              |    |    |    |     |                    |       |                              | 90TH PERCENTILE                 | 3.0000  |
|           |                              |    |    |    |     |                    |       |                              | 95TH PERCENTILE                 | 3.0000  |
|           |                              |    |    |    |     |                    |       |                              | 98TH PERCENTILE                 | 3.0000  |
|           |                              |    |    |    |     |                    |       |                              | 99TH PERCENTILE                 | 3.0000  |
|           |                              |    |    |    |     |                    |       |                              | MAXIMUM VALUE                   | 3.0000  |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 MO LKSD                      PPM                      MVCC

| HISTOGRAM |                       |    |    |    |     | SUMMARY STATISTICS |       |                              |                                 |         |
|-----------|-----------------------|----|----|----|-----|--------------------|-------|------------------------------|---------------------------------|---------|
|           |                       |    |    |    | N   | %                  | CUM % |                              |                                 |         |
| **        | *                     | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES      | 42                              |         |
|           |                       |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES | 0                               |         |
| 10 PPB *  |                       |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES   | 42                              |         |
| 20 PPB *  |                       |    |    |    | *   |                    |       | ARITHMETIC MEAN              | 2.6905                          |         |
| 50 PPB *  |                       |    |    |    | *   |                    |       | VARIANCE                     | 6.7067                          |         |
| 100 PPB * |                       |    |    |    | *   |                    |       | STANDARD DEVIATION           | 2.5897                          |         |
| 200 PPB * |                       |    |    |    | *   |                    |       | SKEW                         | 2.3673                          |         |
| 500 PPB * |                       |    |    |    | *   |                    |       | EXCESS KURTOSIS              | 5.6579                          |         |
|           | XXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 17                 | 40.48 | 40.48                        | COEFFICIENT OF VARIANCE, %      | 96.2557 |
| 1 PPM *   |                       |    |    |    | *   | 12                 | 28.57 | 69.05                        | STANDARD ERROR OF THE MEAN      | .3996   |
| 2 PPM *   | XXXXXXXXXXXXXXX       |    |    |    | *   | 8                  | 19.05 | 88.10                        | LOWER 95% LIMIT ON THE MEAN     | 1.8839  |
| 5 PPM *   | XXXXXXXXXX            |    |    |    | *   | 3                  | 7.14  | 95.24                        | UPPER 95% LIMIT ON THE MEAN     | 3.4970  |
| 10 PPM *  | XXXX                  |    |    |    | *   | 2                  | 4.76  | 100.00                       | LOWER 95% LIMIT ON THE RANGE    | -2.5366 |
| 20 PPM *  | XX                    |    |    |    | *   |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 7.9176  |
| 50 PPM *  |                       |    |    |    | *   |                    |       |                              | GEOMETRIC MEAN                  | 1.9970  |
| 100 PPM * |                       |    |    |    | *   |                    |       |                              | LOG10 MEAN                      | .3004   |
| 200 PPM * |                       |    |    |    | *   |                    |       |                              | LOG10 VARIANCE                  | .0989   |
| 500 PPM * |                       |    |    |    | *   |                    |       |                              | LOG10 STANDARD DEVIATION        | .3145   |
| **        | *                     | *  | *  | *  | *   |                    |       |                              | STANDARD ERROR ON THE MEAN      | .0485   |
| 0         | 20                    | 40 | 60 | 80 | 100 |                    |       |                              | LOWER 95% LIMIT ON THE MEAN     | 1.5937  |
|           |                       |    |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE MEAN     | 2.5023  |
|           |                       |    |    |    |     |                    |       |                              | LOWER 95% LIMIT ON THE RANGE    | .4629   |
|           |                       |    |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 8.6149  |
|           |                       |    |    |    |     |                    |       |                              | MINIMUM VALUE                   | 1.0000  |
|           |                       |    |    |    |     |                    |       |                              | 25TH PERCENTILE OR 1ST QUARTILE | 1.0000  |
|           |                       |    |    |    |     |                    |       |                              | 50TH PERCENTILE OR MEDIAN       | 2.0000  |
|           |                       |    |    |    |     |                    |       |                              | 75TH PERCENTILE OR 3RD QUARTILE | 3.0000  |
|           |                       |    |    |    |     |                    |       |                              | 80TH PERCENTILE                 | 4.0000  |
|           |                       |    |    |    |     |                    |       |                              | 90TH PERCENTILE                 | 6.0000  |
|           |                       |    |    |    |     |                    |       |                              | 95TH PERCENTILE                 | 12.0000 |
|           |                       |    |    |    |     |                    |       |                              | 98TH PERCENTILE                 | 12.0000 |
|           |                       |    |    |    |     |                    |       |                              | 99TH PERCENTILE                 | 12.0000 |
|           |                       |    |    |    |     |                    |       |                              | MAXIMUM VALUE                   | 12.0000 |

| VARIABLE NAME |                              | UNIT OF MEASUREMENT | DATA SUBSET |    |     |    | SUMMARY STATISTICS |                              |                                 |         |
|---------------|------------------------------|---------------------|-------------|----|-----|----|--------------------|------------------------------|---------------------------------|---------|
| MO            | LKSD                         | PPM                 | UKNN        |    |     |    |                    |                              |                                 |         |
| HISTOGRAM     |                              |                     |             |    | N   | %  | CUM %              |                              |                                 |         |
| **            | *                            | *                   | *           | *  | *   |    |                    | TOTAL NUMBER OF SAMPLES      | 73                              |         |
| 10 PPB        | *                            |                     |             |    | *   |    |                    | NUMBER OF ZERO VALUE SAMPLES | 0                               |         |
| 20 PPB        | *                            |                     |             |    | *   |    |                    | NUMBER OF NON-ZERO SAMPLES   | 73                              |         |
| 50 PPB        | *                            |                     |             |    | *   |    |                    | ARITHMETIC MEAN              | 1.5890                          |         |
| 100 PPB       | *                            |                     |             |    | *   |    |                    | VARIANCE                     | .5232                           |         |
| 200 PPB       | *                            |                     |             |    | *   |    |                    | STANDARD DEVIATION           | .7233                           |         |
| 500 PPB       | *                            |                     |             |    | *   |    |                    | SKEW                         | .7949                           |         |
| 1 PPM         | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |                     |             |    | *   | 40 | 54.79              | 54.79                        | EXCESS KURTOSIS                 | -.6798  |
| 2 PPM         | XXXXXXXXXXXXXXXXXXXX         |                     |             |    | *   | 23 | 31.51              | 86.30                        | COEFFICIENT OF VARIANCE, %      | 45.5201 |
| 5 PPM         | XXXXXXX                      |                     |             |    | *   | 10 | 13.70              | 100.00                       | STANDARD ERROR OF THE MEAN      | .0847   |
| 10 PPM        |                              |                     |             |    | *   |    |                    |                              | LOWER 95% LIMIT ON THE MEAN     | 1.4203  |
| 20 PPM        |                              |                     |             |    | *   |    |                    |                              | UPPER 95% LIMIT ON THE MEAN     | 1.7578  |
| 50 PPM        |                              |                     |             |    | *   |    |                    |                              | LOWER 95% LIMIT ON THE RANGE    | .1474   |
|               |                              |                     |             |    | *   |    |                    |                              | UPPER 95% LIMIT ON THE RANGE    | 3.0307  |
|               |                              |                     |             |    | *   |    |                    |                              | GEOMETRIC MEAN                  | 1.4461  |
|               |                              |                     |             |    | *   |    |                    |                              | LOG10 MEAN                      | .1602   |
|               |                              |                     |             |    | *   |    |                    |                              | LOG10 VARIANCE                  | .0345   |
|               |                              |                     |             |    | *   |    |                    |                              | LOG10 STANDARD DEVIATION        | .1859   |
| **            | *                            | *                   | *           | *  | *   |    |                    |                              | STANDARD ERROR ON THE MEAN      | .0218   |
| 0             | 20                           | 40                  | 60          | 80 | 100 |    |                    |                              | LOWER 95% LIMIT ON THE MEAN     | 1.3087  |
|               |                              |                     |             |    |     |    |                    |                              | UPPER 95% LIMIT ON THE MEAN     | 1.5979  |
|               |                              |                     |             |    |     |    |                    |                              | LOWER 95% LIMIT ON THE RANGE    | .6163   |
|               |                              |                     |             |    |     |    |                    |                              | UPPER 95% LIMIT ON THE RANGE    | 3.3934  |
|               |                              |                     |             |    |     |    |                    |                              | MINIMUM VALUE                   | 1.0000  |
|               |                              |                     |             |    |     |    |                    |                              | 25TH PERCENTILE OR 1ST QUARTILE | 1.0000  |
|               |                              |                     |             |    |     |    |                    |                              | 50TH PERCENTILE OR MEDIAN       | 1.0000  |
|               |                              |                     |             |    |     |    |                    |                              | 75TH PERCENTILE OR 3RD QUARTILE | 2.0000  |
|               |                              |                     |             |    |     |    |                    |                              | 80TH PERCENTILE                 | 2.0000  |
|               |                              |                     |             |    |     |    |                    |                              | 90TH PERCENTILE                 | 3.0000  |
|               |                              |                     |             |    |     |    |                    |                              | 95TH PERCENTILE                 | 3.0000  |
|               |                              |                     |             |    |     |    |                    |                              | 98TH PERCENTILE                 | 3.0000  |
|               |                              |                     |             |    |     |    |                    |                              | 99TH PERCENTILE                 | 3.0000  |
|               |                              |                     |             |    |     |    |                    |                              | MAXIMUM VALUE                   | 3.0000  |

PERCENT

SUMMARY STATISTICS

| SUBSET | VARIABLE | UNITS | N   | ARITH<br>MEAN | STD<br>DEV | CV % | SKEW | EXCESS<br>KURT | 95% LIMITS<br>ON MEAN | GEOM<br>MEAN | LOG 10<br>MEAN | STD<br>DEV | 95% LIMITS<br>ON MEAN |      |      |
|--------|----------|-------|-----|---------------|------------|------|------|----------------|-----------------------|--------------|----------------|------------|-----------------------|------|------|
| DIBS   | MO LKSD  | PPM   | 253 | 1.83          | 1.51       | 82.4 | 3.90 | 18.84          | 1.65                  | 2.02         | 1.54           | .1875      | .2290                 | 1.44 | 1.64 |
| SMRK   | MO LKSD  | PPM   | 94  | 2.80          | 2.04       | 72.9 | 1.31 | 1.15           | 2.38                  | 3.22         | 2.21           | .3441      | .2970                 | 1.92 | 2.54 |
| ARGL   | MO LKSD  | PPM   | 29  | 2.21          | 1.50       | 67.8 | 1.72 | 2.75           | 1.64                  | 2.78         | 1.85           | .2671      | .2530                 | 1.48 | 2.31 |
| CHRT   | MO LKSD  | PPM   | 2   | 4.00          | 1.41       | 35.4 | 0.00 | -2.00          | -.303                 | 8.30         | 3.87           | .5880      | .1569                 | 1.29 | 11.6 |
| GRNT   | MO LKSD  | PPM   | 66  | 2.03          | 1.42       | 70.2 | 2.07 | 5.05           | 1.68                  | 2.38         | 1.70           | .2294      | .2489                 | 1.47 | 1.95 |
| GRNG   | MO LKSD  | PPM   | 284 | 2.08          | 1.40       | 67.4 | 2.81 | 12.01          | 1.91                  | 2.24         | 1.78           | .2495      | .2310                 | 1.67 | 1.89 |
| UMFC   | MO LKSD  | PPM   | 1   | 7.00          | .100E-05   | .0   | .00  | .00            | 7.00                  | 7.00         | 7.00           | .8451      | .0000                 | 7.00 | 7.00 |
| CGLM   | MO LKSD  | PPM   | 24  | 1.58          | .881       | 55.6 | 2.47 | 7.42           | 1.21                  | 1.95         | 1.43           | .1546      | .1890                 | 1.19 | 1.71 |
| GRCK   | MO LKSD  | PPM   | 45  | 1.84          | 1.04       | 56.6 | 1.16 | .64            | 1.53                  | 2.16         | 1.61           | .2063      | .2239                 | 1.38 | 1.88 |
| BEXV   | MO LKSD  | PPM   | 8   | 1.50          | .756       | 50.4 | 1.06 | -.25           | .884                  | 2.12         | 1.36           | .1349      | .1939                 | .948 | 1.96 |
| MVCC   | MO LKSD  | PPM   | 42  | 2.69          | 2.59       | 96.3 | 2.37 | 5.66           | 1.88                  | 3.50         | 2.00           | .3004      | .3145                 | 1.59 | 2.50 |
| UKNN   | MO LKSD  | PPM   | 73  | 1.59          | .723       | 45.5 | .79  | -.68           | 1.42                  | 1.76         | 1.45           | .1602      | .1859                 | 1.31 | 1.60 |

| SUBSET | VARIABLE | UNITS | N   | MIN<br>VALUE | ----- PERCENTILE ----- |       |       |       |       |        |        |        |        | MAX<br>VALUE |
|--------|----------|-------|-----|--------------|------------------------|-------|-------|-------|-------|--------|--------|--------|--------|--------------|
|        |          |       |     |              | 25TH                   | 50TH  | 75TH  | 80TH  | 90TH  | 95TH   | 98TH   | 99TH   |        |              |
| DIBS   | MO LKSD  | PPM   | 253 | 1.000        | 1.000                  | 1.000 | 2.000 | 2.000 | 3.000 | 4.000  | 8.000  | 10.000 | 12.000 |              |
| SMRK   | MO LKSD  | PPM   | 94  | 1.000        | 1.000                  | 2.000 | 3.000 | 5.000 | 6.000 | 7.000  | 8.000  | 10.000 | 10.000 |              |
| ARGL   | MO LKSD  | PPM   | 29  | 1.000        | 1.000                  | 2.000 | 3.000 | 3.000 | 4.000 | 7.000  | 7.000  | 7.000  | 7.000  |              |
| CHRT   | MO LKSD  | PPM   | 2   | 3.000        | 3.000                  | 5.000 | 5.000 | 5.000 | 5.000 | 5.000  | 5.000  | 5.000  | 5.000  |              |
| GRNT   | MO LKSD  | PPM   | 66  | 1.000        | 1.000                  | 2.000 | 3.000 | 3.000 | 4.000 | 5.000  | 8.000  | 8.000  | 8.000  |              |
| GRNG   | MO LKSD  | PPM   | 284 | 1.000        | 1.000                  | 2.000 | 2.000 | 3.000 | 3.000 | 5.000  | 7.000  | 7.000  | 12.000 |              |
| UMFC   | MO LKSD  | PPM   | 1   | 7.000        | 7.000                  | 7.000 | 7.000 | 7.000 | 7.000 | 7.000  | 7.000  | 7.000  | 7.000  |              |
| CGLM   | MO LKSD  | PPM   | 24  | 1.000        | 1.000                  | 1.000 | 2.000 | 2.000 | 2.000 | 5.000  | 5.000  | 5.000  | 5.000  |              |
| GRCK   | MO LKSD  | PPM   | 45  | 1.000        | 1.000                  | 2.000 | 2.000 | 3.000 | 3.000 | 4.000  | 5.000  | 5.000  | 5.000  |              |
| BEXV   | MO LKSD  | PPM   | 8   | 1.000        | 1.000                  | 1.000 | 2.000 | 2.000 | 3.000 | 3.000  | 3.000  | 3.000  | 3.000  |              |
| MVCC   | MO LKSD  | PPM   | 42  | 1.000        | 1.000                  | 2.000 | 3.000 | 4.000 | 6.000 | 12.000 | 12.000 | 12.000 | 12.000 |              |
| UKNN   | MO LKSD  | PPM   | 73  | 1.000        | 1.000                  | 1.000 | 2.000 | 2.000 | 3.000 | 3.000  | 3.000  | 3.000  | 3.000  |              |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 FE LKSD                      PCT                      DIBS

| HISTOGRAM  |                       |    |    |    |     | SUMMARY STATISTICS |       |                              |                                 |
|------------|-----------------------|----|----|----|-----|--------------------|-------|------------------------------|---------------------------------|
|            |                       |    |    |    | N   | %                  | CUM % |                              |                                 |
| **         | *                     | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES      | 253                             |
| 100 PPM *  |                       |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES | 0                               |
| 200 PPM *  |                       |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES   | 253                             |
| 500 PPM *  |                       |    |    |    | *   |                    |       | ARITHMETIC MEAN              | 2.0063                          |
| 1000 PPM * |                       |    |    |    | *   |                    |       | VARIANCE                     | 2.1823                          |
| 2000 PPM * |                       |    |    |    | *   |                    |       | STANDARD DEVIATION           | 1.4773                          |
| 5000 PPM * | XXXX                  |    |    |    | *   | 20                 | 7.91  | 7.91                         | 2.3968                          |
| 1 PCT *    | XXXXXXXXX             |    |    |    | *   | 43                 | 17.00 | 24.90                        | 10.0355                         |
| 2 PCT *    | XXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 95                 | 37.55 | 62.45                        | COEFFICIENT OF VARIANCE, %      |
| 5 PCT *    | XXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 88                 | 34.78 | 97.23                        | 73.6299                         |
| 10 PCT *   | X                     |    |    |    | *   | 6                  | 2.37  | 99.60                        | STANDARD ERROR OF THE MEAN      |
| 20 PCT *   | I                     |    |    |    | *   | 1                  | .40   | 100.00                       | LOWER 95% LIMIT ON THE MEAN     |
| 50 PCT *   |                       |    |    |    | *   |                    |       |                              | UPPER 95% LIMIT ON THE MEAN     |
| **         | *                     | *  | *  | *  | *   |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    |
| 0          | 20                    | 40 | 60 | 80 | 100 |                    |       |                              | LOWER 95% LIMIT ON THE RANGE    |
|            |                       |    |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    |
|            |                       |    |    |    |     |                    |       |                              | MINIMUM VALUE                   |
|            |                       |    |    |    |     |                    |       |                              | 25TH PERCENTILE OR 1ST QUARTILE |
|            |                       |    |    |    |     |                    |       |                              | 50TH PERCENTILE OR MEDIAN       |
|            |                       |    |    |    |     |                    |       |                              | 75TH PERCENTILE OR 3RD QUARTILE |
|            |                       |    |    |    |     |                    |       |                              | 80TH PERCENTILE                 |
|            |                       |    |    |    |     |                    |       |                              | 90TH PERCENTILE                 |
|            |                       |    |    |    |     |                    |       |                              | 95TH PERCENTILE                 |
|            |                       |    |    |    |     |                    |       |                              | 98TH PERCENTILE                 |
|            |                       |    |    |    |     |                    |       |                              | 99TH PERCENTILE                 |
|            |                       |    |    |    |     |                    |       |                              | MAXIMUM VALUE                   |

| VARIABLE NAME |                      | UNIT OF MEASUREMENT | DATA SUBSET |    |     |       |                 | SUMMARY STATISTICS              |         |
|---------------|----------------------|---------------------|-------------|----|-----|-------|-----------------|---------------------------------|---------|
| FE            | LKSD                 | PCT                 | SMRK        |    |     |       |                 |                                 |         |
| HISTOGRAM     |                      |                     |             |    | N   | %     | CUM %           |                                 |         |
| **            | *                    | *                   | *           | *  | *   |       |                 | TOTAL NUMBER OF SAMPLES         | 94      |
| 100 PPM       | *                    |                     |             | *  |     |       |                 | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 200 PPM       | *                    |                     |             | *  |     |       |                 | NUMBER OF NON-ZERO SAMPLES      | 94      |
| 500 PPM       | *                    |                     |             | *  |     |       | ARITHMETIC MEAN | 1.2787                          |         |
| 1000 PPM      | *                    |                     |             | *  |     |       | VARIANCE        | 1.0393                          |         |
| 2000 PPM      | XXX                  |                     |             | *  | 5   | 5.32  | 5.32            | STANDARD DEVIATION              | 1.0195  |
| 5000 PPM      | XXXXXXXXXXXX         |                     |             | *  | 20  | 21.28 | 26.60           | SKEW                            | 1.8604  |
| 1 PCT         | XXXXXXXXXXXX         |                     |             | *  | 22  | 23.40 | 50.00           | EXCESS KURTOSIS                 | 5.8556  |
| 2 PCT         | XXXXXXXXXXXXXXXXXXXX |                     |             | *  | 31  | 32.98 | 82.98           | COEFFICIENT OF VARIANCE, %      | 79.7259 |
| 5 PCT         | XXXXXXXXXX           |                     |             | *  | 15  | 15.96 | 98.94           | STANDARD ERROR OF THE MEAN      | .1052   |
| 10 PCT        | X                    |                     |             | *  | 1   | 1.06  | 100.00          | LOWER 95% LIMIT ON THE MEAN     | 1.0699  |
| 20 PCT        |                      |                     |             | *  |     |       |                 | UPPER 95% LIMIT ON THE MEAN     | 1.4875  |
| 50 PCT        |                      |                     |             | *  |     |       |                 | LOWER 95% LIMIT ON THE RANGE    | -.7459  |
|               |                      |                     |             | *  |     |       |                 | UPPER 95% LIMIT ON THE RANGE    | 3.3033  |
|               |                      |                     |             | *  |     |       |                 | GEOMETRIC MEAN                  | .9363   |
|               |                      |                     |             | *  |     |       |                 | LOG10 MEAN                      | -.0286  |
|               |                      |                     |             | *  |     |       |                 | LOG10 VARIANCE                  | .1319   |
|               |                      |                     |             | *  |     |       |                 | LOG10 STANDARD DEVIATION        | .3631   |
| **            | *                    | *                   | *           | *  |     |       |                 | STANDARD ERROR ON THE MEAN      | .0375   |
| 0             | 20                   | 40                  | 60          | 80 | 100 |       |                 | LOWER 95% LIMIT ON THE MEAN     | .7889   |
|               |                      |                     |             |    |     |       |                 | UPPER 95% LIMIT ON THE MEAN     | 1.1112  |
|               |                      |                     |             |    |     |       |                 | LOWER 95% LIMIT ON THE RANGE    | .1779   |
|               |                      |                     |             |    |     |       |                 | UPPER 95% LIMIT ON THE RANGE    | 4.9268  |
|               |                      |                     |             |    |     |       |                 | MINIMUM VALUE                   | .1500   |
|               |                      |                     |             |    |     |       |                 | 25TH PERCENTILE OR 1ST QUARTILE | .5000   |
|               |                      |                     |             |    |     |       |                 | 50TH PERCENTILE OR MEDIAN       | 1.0500  |
|               |                      |                     |             |    |     |       |                 | 75TH PERCENTILE OR 3RD QUARTILE | 1.7000  |
|               |                      |                     |             |    |     |       |                 | 80TH PERCENTILE                 | 1.8000  |
|               |                      |                     |             |    |     |       |                 | 90TH PERCENTILE                 | 2.7000  |
|               |                      |                     |             |    |     |       |                 | 95TH PERCENTILE                 | 3.0000  |
|               |                      |                     |             |    |     |       |                 | 98TH PERCENTILE                 | 4.1500  |
|               |                      |                     |             |    |     |       |                 | 99TH PERCENTILE                 | 6.4500  |
|               |                      |                     |             |    |     |       |                 | MAXIMUM VALUE                   | 6.4500  |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 FE LKSD                      PCT                      ARGL

HISTOGRAM

SUMMARY STATISTICS

|  | N  | %     | CUM %  |                                 |         |
|--|----|-------|--------|---------------------------------|---------|
| **                      *                      *                      *                      *                             |    |       |        | TOTAL NUMBER OF SAMPLES         | 29      |
|  |    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 100 PPM *  |    |       |        | NUMBER OF NON-ZERO SAMPLES      | 29      |
| 200 PPM *  |    |       |        |                                 |         |
| 500 PPM *  |    |       |        | ARITHMETIC MEAN                 | 2.1586  |
| 1000 PPM *   |    |       |        | VARIANCE                        | 2.0661  |
| XX   |    |       |        | STANDARD DEVIATION              | 1.4374  |
| 2000 PPM *   | 1  | 3.45  | 3.45   | SKREW                           | .2733   |
| XXXXX  |    |       |        | EXCESS KURTOSIS                 | -1.2124 |
| 5000 PPM *   | 3  | 10.34 | 13.79  | COEFFICIENT OF VARIANCE, %      | 66.5883 |
| XXXXXXXXXX   |    |       |        | STANDARD ERROR OF THE MEAN      | .2669   |
| 1 PCT *  | 5  | 17.24 | 31.03  | LOWER 95% LIMIT ON THE MEAN     | 1.6128  |
| XXXXXXXXXX   |    |       |        | UPPER 95% LIMIT ON THE MEAN     | 2.7045  |
| 2 PCT *  | 6  | 20.69 | 51.72  | LOWER 95% LIMIT ON THE RANGE    | -.7808  |
| XXXXXXXXXXXXXXXXXXXXXXXXXX   |    |       |        | UPPER 95% LIMIT ON THE RANGE    | 5.0981  |
| 5 PCT *  | 13 | 44.83 | 96.55  |                                 |         |
| XX   |    |       |        | GEOMETRIC MEAN                  | 1.5925  |
| 10 PCT *   | 1  | 3.45  | 100.00 | LOG10 MEAN                      | .2021   |
| 20 PCT *   |    |       |        | LOG10 VARIANCE                  | .1485   |
| 50 PCT *   |    |       |        | LOG10 STANDARD DEVIATION        | .3854   |
| **                      *                      *                      *                      *                             |    |       |        | STANDARD ERROR ON THE MEAN      | .0716   |
| 0                      20                      40                      60                      80                      100 |    |       |        | LOWER 95% LIMIT ON THE MEAN     | 1.1369  |
|  |    |       |        | UPPER 95% LIMIT ON THE MEAN     | 2.2306  |
| PERCENT  |    |       |        | LOWER 95% LIMIT ON THE RANGE    | .2594   |
|  |    |       |        | UPPER 95% LIMIT ON THE RANGE    | 9.7763  |
|  |    |       |        | MINIMUM VALUE                   | .2000   |
|  |    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | .9000   |
|  |    |       |        | 50TH PERCENTILE OR MEDIAN       | 1.8000  |
|  |    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 3.6000  |
|  |    |       |        | 80TH PERCENTILE                 | 3.6500  |
|  |    |       |        | 90TH PERCENTILE                 | 4.0000  |
|  |    |       |        | 95TH PERCENTILE                 | 5.2000  |
|  |    |       |        | 98TH PERCENTILE                 | 5.2000  |
|  |    |       |        | 99TH PERCENTILE                 | 5.2000  |
|  |    |       |        | MAXIMUM VALUE                   | 5.2000  |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 FE LKSD                      PCT                      CHRT

SUMMARY STATISTICS

TOTAL NUMBER OF SAMPLES                      2  
 NUMBER OF ZERO VALUE SAMPLES                0  
 NUMBER OF NON-ZERO SAMPLES                  2

ARITHMETIC MEAN                                8.6750  
 VARIANCE                                        138.6113  
 STANDARD DEVIATION                            11.7733  
 SKEW    0.0000  
 EXCESS KURTOSIS                               -2.0000

COEFFICIENT OF VARIANCE, %                  135.7156

STANDARD ERROR OF THE MEAN                 8.3250  
 LOWER 95% LIMIT ON THE MEAN               -27.1475  
 UPPER 95% LIMIT ON THE MEAN               44.4975

LOWER 95% LIMIT ON THE RANGE               -41.9856  
 UPPER 95% LIMIT ON THE RANGE               59.3356

GEOMETRIC MEAN                                2.4393  
 LOG10 MEAN                                    .3873  
 LOG10 VARIANCE                               1.4219  
 LOG10 STANDARD DEVIATION                   1.1925

STANDARD ERROR ON THE MEAN                 .8432  
 LOWER 95% LIMIT ON THE MEAN               .0006  
 UPPER 95% LIMIT ON THE MEAN               10363.5116

LOWER 95% LIMIT ON THE RANGE               .0000  
 UPPER 95% LIMIT ON THE RANGE               \*\*\*\*\*

MINIMUM VALUE                                 .3500  
 25TH PERCENTILE OR 1ST QUARTILE            .3500  
 50TH PERCENTILE OR MEDIAN                  17.0000  
 75TH PERCENTILE OR 3RD QUARTILE          17.0000  
 80TH PERCENTILE                              17.0000  
 90TH PERCENTILE                              17.0000  
 95TH PERCENTILE                              17.0000  
 98TH PERCENTILE                              17.0000  
 99TH PERCENTILE                              17.0000  
 MAXIMUM VALUE                                17.0000

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 FE LKSD                      PCT                      GRNT

| HISTOGRAM  |                      |    |    |    |     | SUMMARY STATISTICS |                                 |         |
|------------|----------------------|----|----|----|-----|--------------------|---------------------------------|---------|
|            |                      |    |    | N  | %   | CUM %              |                                 |         |
| **         | *                    | *  | *  | *  | *   |                    | TOTAL NUMBER OF SAMPLES         | 66      |
| 100 PPM *  |                      |    |    | *  |     |                    | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 200 PPM *  |                      |    |    | *  |     |                    | NUMBER OF NON-ZERO SAMPLES      | 66      |
| 500 PPM *  |                      |    |    | *  |     |                    | ARITHMETIC MEAN                 | 1.3030  |
| 1000 PPM * |                      |    |    | *  |     |                    | VARIANCE                        | .6900   |
| 2000 PPM * |                      |    |    | *  |     |                    | STANDARD DEVIATION              | .8307   |
| 5000 PPM * | XXXXXX               |    |    | *  | 8   | 12.12              | SKEW                            | 1.3078  |
| 1 PCT *    | XXXXXXXXXXXXXXXXXXXX |    |    | *  | 23  | 34.85              | EXCESS KURTOSIS                 | 1.6831  |
| 2 PCT *    | XXXXXXXXXXXXXXXXXXXX |    |    | *  | 24  | 36.36              | COEFFICIENT OF VARIANCE, %      | 63.7481 |
| 5 PCT *    | XXXXXXXXXX           |    |    | *  | 11  | 16.67              | STANDARD ERROR OF THE MEAN      | .1022   |
| 10 PCT *   |                      |    |    | *  |     |                    | LOWER 95% LIMIT ON THE MEAN     | 1.0989  |
| 20 PCT *   |                      |    |    | *  |     |                    | UPPER 95% LIMIT ON THE MEAN     | 1.5072  |
| 50 PCT *   |                      |    |    | *  |     |                    | LOWER 95% LIMIT ON THE RANGE    | -.3556  |
|            |                      |    |    | *  |     |                    | UPPER 95% LIMIT ON THE RANGE    | 2.9617  |
|            |                      |    |    | *  |     |                    | GEOMETRIC MEAN                  | 1.0831  |
|            |                      |    |    | *  |     |                    | LOG10 MEAN                      | .0347   |
|            |                      |    |    | *  |     |                    | LOG10 VARIANCE                  | .0711   |
| **         | *                    | *  | *  | *  |     |                    | LOG10 STANDARD DEVIATION        | .2666   |
| 0          | 20                   | 40 | 60 | 80 | 100 |                    | STANDARD ERROR ON THE MEAN      | .0328   |
|            |                      |    |    |    |     |                    | LOWER 95% LIMIT ON THE MEAN     | .9314   |
|            |                      |    |    |    |     |                    | UPPER 95% LIMIT ON THE MEAN     | 1.2595  |
|            |                      |    |    |    |     |                    | LOWER 95% LIMIT ON THE RANGE    | .3179   |
|            |                      |    |    |    |     |                    | UPPER 95% LIMIT ON THE RANGE    | 3.6900  |
|            |                      |    |    |    |     |                    | MINIMUM VALUE                   | .3500   |
|            |                      |    |    |    |     |                    | 25TH PERCENTILE OR 1ST QUARTILE | .6500   |
|            |                      |    |    |    |     |                    | 50TH PERCENTILE OR MEDIAN       | 1.0500  |
|            |                      |    |    |    |     |                    | 75TH PERCENTILE OR 3RD QUARTILE | 1.8000  |
|            |                      |    |    |    |     |                    | 80TH PERCENTILE                 | 1.9000  |
|            |                      |    |    |    |     |                    | 90TH PERCENTILE                 | 2.5000  |
|            |                      |    |    |    |     |                    | 95TH PERCENTILE                 | 3.1500  |
|            |                      |    |    |    |     |                    | 98TH PERCENTILE                 | 4.3000  |
|            |                      |    |    |    |     |                    | 99TH PERCENTILE                 | 4.3000  |
|            |                      |    |    |    |     |                    | MAXIMUM VALUE                   | 4.3000  |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 FE LKSD                      PCT                      GRNG

| HISTOGRAM |                      |    |    |    |     | SUMMARY STATISTICS |       |                                 |         |
|-----------|----------------------|----|----|----|-----|--------------------|-------|---------------------------------|---------|
|           |                      |    |    |    | N   | %                  | CUM % |                                 |         |
| **        | *                    | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES         | 284     |
|           |                      |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 10 PPM    | *                    |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES      | 284     |
| 20 PPM    | *                    |    |    |    | *   |                    |       | ARITHMETIC MEAN                 | 1.9565  |
| 50 PPM    | *                    |    |    |    | *   |                    |       | VARIANCE                        | 3.5924  |
| 100 PPM   | *                    |    |    |    | *   |                    |       | STANDARD DEVIATION              | 1.8954  |
| 200 PPM   | *                    |    |    |    | *   |                    |       | SKEW                            | 2.9751  |
| 500 PPM   | *                    |    |    |    | *   |                    |       | EXCESS KURTOSIS                 | 11.3918 |
| 1000 PPM  | I                    |    |    |    | *   | 1                  | .35   | COEFFICIENT OF VARIANCE, %      | 96.8741 |
| 2000 PPM  | I                    |    |    |    | *   | 1                  | .35   | STANDARD ERROR OF THE MEAN      | .1125   |
| 5000 PPM  | XXXX                 |    |    |    | *   | 25                 | 8.80  | LOWER 95% LIMIT ON THE MEAN     | 1.7351  |
| 1 PCT     | XXXXXXXXXXXXXXXXXX   |    |    |    | *   | 76                 | 26.76 | UPPER 95% LIMIT ON THE MEAN     | 2.1779  |
| 2 PCT     | XXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 91                 | 32.04 | LOWER 95% LIMIT ON THE RANGE    | -1.7748 |
| 5 PCT     | XXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 73                 | 25.70 | UPPER 95% LIMIT ON THE RANGE    | 5.6878  |
| 10 PCT    | XX                   |    |    |    | *   | 14                 | 4.93  | GEOMETRIC MEAN                  | 1.4247  |
| 20 PCT    | X                    |    |    |    | *   | 3                  | 1.06  | LOG10 MEAN                      | .1537   |
| 50 PCT    | *                    |    |    |    | *   |                    |       | LOG10 VARIANCE                  | .1148   |
| **        | *                    | *  | *  | *  | *   |                    |       | LOG10 STANDARD DEVIATION        | .3387   |
| 0         | 20                   | 40 | 60 | 80 | 100 |                    |       | STANDARD ERROR ON THE MEAN      | .0201   |
|           |                      |    |    |    |     |                    |       | LOWER 95% LIMIT ON THE MEAN     | 1.3006  |
|           |                      |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE MEAN     | 1.5606  |
|           |                      |    |    |    |     |                    |       | LOWER 95% LIMIT ON THE RANGE    | .3068   |
|           |                      |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE RANGE    | 6.6160  |
|           |                      |    |    |    |     |                    |       | MINIMUM VALUE                   | .1000   |
|           |                      |    |    |    |     |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | .8000   |
|           |                      |    |    |    |     |                    |       | 50TH PERCENTILE OR MEDIAN       | 1.4500  |
|           |                      |    |    |    |     |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | 2.4000  |
|           |                      |    |    |    |     |                    |       | 80TH PERCENTILE                 | 2.7000  |
|           |                      |    |    |    |     |                    |       | 90TH PERCENTILE                 | 3.6000  |
|           |                      |    |    |    |     |                    |       | 95TH PERCENTILE                 | 5.5500  |
|           |                      |    |    |    |     |                    |       | 98TH PERCENTILE                 | 9.1000  |
|           |                      |    |    |    |     |                    |       | 99TH PERCENTILE                 | 11.0000 |
|           |                      |    |    |    |     |                    |       | MAXIMUM VALUE                   | 13.1000 |

| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| FE LKSD       | PCT                 | UMFC        |

SUMMARY STATISTICS

|                                 |        |
|---------------------------------|--------|
| TOTAL NUMBER OF SAMPLES         | 1      |
| NUMBER OF ZERO VALUE SAMPLES    | 0      |
| NUMBER OF NON-ZERO SAMPLES      | 1      |
| ARITHMETIC MEAN                 | 2.3500 |
| VARIANCE                        | .0000  |
| STANDARD DEVIATION              | .0000  |
| SKEW                            | .0000  |
| EXCESS KURTOSIS                 | .0000  |
| COEFFICIENT OF VARIANCE, %      | .0000  |
| STANDARD ERROR OF THE MEAN      | .0000  |
| LOWER 95% LIMIT ON THE MEAN     | 2.3500 |
| UPPER 95% LIMIT ON THE MEAN     | 2.3500 |
| LOWER 95% LIMIT ON THE RANGE    | 2.3500 |
| UPPER 95% LIMIT ON THE RANGE    | 2.3500 |
| GEOMETRIC MEAN                  | 2.3500 |
| LOG10 MEAN                      | .3711  |
| LOG10 VARIANCE                  | .0000  |
| LOG10 STANDARD DEVIATION        | .0000  |
| STANDARD ERROR ON THE MEAN      | .0000  |
| LOWER 95% LIMIT ON THE MEAN     | 2.3500 |
| UPPER 95% LIMIT ON THE MEAN     | 2.3500 |
| LOWER 95% LIMIT ON THE RANGE    | 2.3500 |
| UPPER 95% LIMIT ON THE RANGE    | 2.3500 |
| MINIMUM VALUE                   | 2.3500 |
| 25TH PERCENTILE OR 1ST QUARTILE | 2.3500 |
| 50TH PERCENTILE OR MEDIAN       | 2.3500 |
| 75TH PERCENTILE OR 3RD QUARTILE | 2.3500 |
| 80TH PERCENTILE                 | 2.3500 |
| 90TH PERCENTILE                 | 2.3500 |
| 95TH PERCENTILE                 | 2.3500 |
| 98TH PERCENTILE                 | 2.3500 |
| 99TH PERCENTILE                 | 2.3500 |
| MAXIMUM VALUE                   | 2.3500 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 FE LKSD                      PCT                      GRCK

| HISTOGRAM |    |                        |    |    |     | SUMMARY STATISTICS |       |                                 |         |
|-----------|----|------------------------|----|----|-----|--------------------|-------|---------------------------------|---------|
|           |    |                        |    |    | N   | %                  | CUM % |                                 |         |
| **        | *  | *                      | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES         | 45      |
|           |    |                        |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 100 PPM   | *  |                        |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES      | 45      |
| 200 PPM   | *  |                        |    |    | *   |                    |       | ARITHMETIC MEAN                 | 1.5378  |
| 500 PPM   | *  |                        |    |    | *   |                    |       | VARIANCE                        | 1.7935  |
| 1000 PPM  | *  |                        |    |    | *   |                    |       | STANDARD DEVIATION              | 1.3392  |
| 2000 PPM  | *  |                        |    |    | *   |                    |       | SKEW                            | 2.7425  |
| 5000 PPM  | *  | XXXXXXXX               |    |    | *   | 7                  | 15.56 | EXCESS KURTOSIS                 | 9.5247  |
| 1 PCT     | *  | XXXXXXXXXXXXXX         |    |    | *   | 12                 | 26.67 | COEFFICIENT OF VARIANCE, %      | 87.0887 |
| 2 PCT     | *  | XXXXXXXXXXXXXXXXXXXXXX |    |    | *   | 17                 | 37.78 | STANDARD ERROR OF THE MEAN      | .1996   |
| 5 PCT     | *  | XXXXXXXX               |    |    | *   | 7                  | 15.56 | LOWER 95% LIMIT ON THE MEAN     | 1.1356  |
| 10 PCT    | *  | XX                     |    |    | *   | 2                  | 4.44  | UPPER 95% LIMIT ON THE MEAN     | 1.9400  |
| 20 PCT    | *  |                        |    |    | *   |                    |       | LOWER 95% LIMIT ON THE RANGE    | -1.1601 |
| 50 PCT    | *  |                        |    |    | *   |                    |       | UPPER 95% LIMIT ON THE RANGE    | 4.2357  |
|           |    |                        |    |    | *   |                    |       | GEOMETRIC MEAN                  | 1.1808  |
|           |    |                        |    |    | *   |                    |       | LOG10 MEAN                      | .0722   |
|           |    |                        |    |    | *   |                    |       | LOG10 VARIANCE                  | .0970   |
|           |    |                        |    |    | *   |                    |       | LOG10 STANDARD DEVIATION        | .3115   |
| **        | *  | *                      | *  | *  | *   |                    |       | STANDARD ERROR ON THE MEAN      | .0464   |
| 0         | 20 | 40                     | 60 | 80 | 100 |                    |       | LOWER 95% LIMIT ON THE MEAN     | .9520   |
|           |    |                        |    |    |     |                    |       | UPPER 95% LIMIT ON THE MEAN     | 1.4646  |
|           |    |                        |    |    |     |                    |       | LOWER 95% LIMIT ON THE RANGE    | .2784   |
|           |    |                        |    |    |     |                    |       | UPPER 95% LIMIT ON THE RANGE    | 5.0078  |
|           |    |                        |    |    |     |                    |       | MINIMUM VALUE                   | .3500   |
|           |    |                        |    |    |     |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | .6500   |
|           |    |                        |    |    |     |                    |       | 50TH PERCENTILE OR MEDIAN       | 1.2500  |
|           |    |                        |    |    |     |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | 1.9000  |
|           |    |                        |    |    |     |                    |       | 80TH PERCENTILE                 | 2.1000  |
|           |    |                        |    |    |     |                    |       | 90TH PERCENTILE                 | 2.9000  |
|           |    |                        |    |    |     |                    |       | 95TH PERCENTILE                 | 5.1000  |
|           |    |                        |    |    |     |                    |       | 98TH PERCENTILE                 | 7.8000  |
|           |    |                        |    |    |     |                    |       | 99TH PERCENTILE                 | 7.8000  |
|           |    |                        |    |    |     |                    |       | MAXIMUM VALUE                   | 7.8000  |

PERCENT

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 FE LKSD                      PCT                      BEXV

| HISTOGRAM |    |                              |    |    |     | SUMMARY STATISTICS |       |        |                                 |         |
|-----------|----|------------------------------|----|----|-----|--------------------|-------|--------|---------------------------------|---------|
|           |    |                              |    |    |     | N                  | %     | CUM %  |                                 |         |
| **        | *  | *                            | *  | *  | *   |                    |       |        | TOTAL NUMBER OF SAMPLES         | 8       |
|           |    |                              |    |    |     |                    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 100 PPM   | *  |                              |    |    |     |                    |       |        | NUMBER OF NON-ZERO SAMPLES      | 8       |
| 200 PPM   | *  |                              |    |    |     |                    |       |        |                                 |         |
| 500 PPM   | *  |                              |    |    |     |                    |       |        | ARITHMETIC MEAN                 | 1.0063  |
| 1000 PPM  | *  |                              |    |    |     |                    |       |        | VARIANCE                        | .3425   |
| 2000 PPM  | *  |                              |    |    |     |                    |       |        | STANDARD DEVIATION              | .5852   |
| 5000 PPM  | *  | XXXXXX                       |    |    |     |                    |       |        | SKEW                            | .5528   |
| 1 PCT     | *  | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |     | 1                  | 12.50 | 12.50  | EXCESS KURTOSIS                 | -1.0607 |
| 2 PCT     | *  | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |     | 4                  | 50.00 | 62.50  | COEFFICIENT OF VARIANCE, %      | 58.1562 |
| 5 PCT     | *  | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |     | 3                  | 37.50 | 100.00 | STANDARD ERROR OF THE MEAN      | .2069   |
| 10 PCT    | *  |                              |    |    |     |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | .5291   |
| 20 PCT    | *  |                              |    |    |     |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 1.4834  |
| 50 PCT    | *  |                              |    |    |     |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | -.3432  |
|           |    |                              |    |    |     |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 2.3557  |
| **        | *  | *                            | *  | *  | *   |                    |       |        | GEOMETRIC MEAN                  | .8591   |
| 0         | 20 | 40                           | 60 | 80 | 100 |                    |       |        | LOG10 MEAN                      | -.0660  |
|           |    |                              |    |    |     |                    |       |        | LOG10 VARIANCE                  | .0722   |
|           |    |                              |    |    |     |                    |       |        | LOG10 STANDARD DEVIATION        | .2688   |
|           |    |                              |    |    |     |                    |       |        | STANDARD ERROR ON THE MEAN      | .0950   |
|           |    |                              |    |    |     |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | .5187   |
|           |    |                              |    |    |     |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | 1.4228  |
|           |    |                              |    |    |     |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | .2062   |
|           |    |                              |    |    |     |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 3.5791  |
|           |    |                              |    |    |     |                    |       |        | MINIMUM VALUE                   | .3000   |
|           |    |                              |    |    |     |                    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | .6500   |
|           |    |                              |    |    |     |                    |       |        | 50TH PERCENTILE OR MEDIAN       | .8000   |
|           |    |                              |    |    |     |                    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 1.5000  |
|           |    |                              |    |    |     |                    |       |        | 80TH PERCENTILE                 | 1.5000  |
|           |    |                              |    |    |     |                    |       |        | 90TH PERCENTILE                 | 2.0000  |
|           |    |                              |    |    |     |                    |       |        | 95TH PERCENTILE                 | 2.0000  |
|           |    |                              |    |    |     |                    |       |        | 98TH PERCENTILE                 | 2.0000  |
|           |    |                              |    |    |     |                    |       |        | 99TH PERCENTILE                 | 2.0000  |
|           |    |                              |    |    |     |                    |       |        | MAXIMUM VALUE                   | 2.0000  |

PERCENT



VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 FE LKSD                      PCT                      UKNN

| HISTOGRAM |    |                            |    |    |    | SUMMARY STATISTICS |       |                                 |          |
|-----------|----|----------------------------|----|----|----|--------------------|-------|---------------------------------|----------|
|           |    |                            |    |    | N  | %                  | CUM % |                                 |          |
|           | ** | *                          | *  | *  | *  |                    |       | TOTAL NUMBER OF SAMPLES         | 73       |
|           |    |                            |    |    | *  |                    |       | NUMBER OF ZERO VALUE SAMPLES    | 0        |
| 100 PPM   | *  |                            |    |    | *  |                    |       | NUMBER OF NON-ZERO SAMPLES      | 73       |
| 200 PPM   | *  |                            |    |    | *  |                    |       | ARITHMETIC MEAN                 | 2.1315   |
| 500 PPM   | *  |                            |    |    | *  |                    |       | VARIANCE                        | 4.7050   |
| 1000 PPM  | *  |                            |    |    | *  |                    |       | STANDARD DEVIATION              | 2.1691   |
| 2000 PPM  | *  |                            |    |    | *  |                    |       | SKEW                            | 2.9130   |
| 5000 PPM  | *  | XXXX                       |    |    | *  | 6                  | 8.22  | EXCESS KURTOSIS                 | 9.3244   |
| 1 PCT     | *  | XXXXXXXXXX                 |    |    | *  | 13                 | 17.81 | COEFFICIENT OF VARIANCE, %      | 101.7641 |
| 2 PCT     | *  | XXXXXXXXXXXXXXXXXXXXXXXXXX |    |    | *  | 33                 | 45.21 | STANDARD ERROR OF THE MEAN      | .2539    |
| 5 PCT     | *  | XXXXXXXXXX                 |    |    | *  | 14                 | 19.18 | LOWER 95% LIMIT ON THE MEAN     | 1.6255   |
| 10 PCT    | *  | XXX                        |    |    | *  | 5                  | 6.85  | UPPER 95% LIMIT ON THE MEAN     | 2.6375   |
| 20 PCT    | *  | X                          |    |    | *  | 2                  | 2.74  | LOWER 95% LIMIT ON THE RANGE    | -2.1917  |
| 50 PCT    | *  |                            |    |    | *  |                    |       | UPPER 95% LIMIT ON THE RANGE    | 6.4547   |
|           | ** | *                          | *  | *  | *  |                    |       | GEOMETRIC MEAN                  | 1.5768   |
|           | 0  | 20                         | 40 | 60 | 80 | 100                |       | LOG10 MEAN                      | .1978    |
|           |    |                            |    |    |    |                    |       | LOG10 VARIANCE                  | .0994    |
|           |    |                            |    |    |    |                    |       | LOG10 STANDARD DEVIATION        | .3152    |
|           |    |                            |    |    |    |                    |       | STANDARD ERROR ON THE MEAN      | .0369    |
|           |    |                            |    |    |    |                    |       | LOWER 95% LIMIT ON THE MEAN     | 1.3312   |
|           |    |                            |    |    |    |                    |       | UPPER 95% LIMIT ON THE MEAN     | 1.8677   |
|           |    |                            |    |    |    |                    |       | LOWER 95% LIMIT ON THE RANGE    | .3711    |
|           |    |                            |    |    |    |                    |       | UPPER 95% LIMIT ON THE RANGE    | 6.6995   |
|           |    |                            |    |    |    |                    |       | MINIMUM VALUE                   | .4000    |
|           |    |                            |    |    |    |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | 1.0000   |
|           |    |                            |    |    |    |                    |       | 50TH PERCENTILE OR MEDIAN       | 1.5500   |
|           |    |                            |    |    |    |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | 2.1500   |
|           |    |                            |    |    |    |                    |       | 80TH PERCENTILE                 | 2.3000   |
|           |    |                            |    |    |    |                    |       | 90TH PERCENTILE                 | 5.1000   |
|           |    |                            |    |    |    |                    |       | 95TH PERCENTILE                 | 6.9500   |
|           |    |                            |    |    |    |                    |       | 98TH PERCENTILE                 | 12.7500  |
|           |    |                            |    |    |    |                    |       | 99TH PERCENTILE                 | 12.7500  |
|           |    |                            |    |    |    |                    |       | MAXIMUM VALUE                   | 12.7500  |



SUMMARY STATISTICS

| SUBSET | VARIABLE | UNITS | N   | ARITH<br>MEAN | STD<br>DEV | CV %  | SKEW | EXCESS<br>KURT | 95% LIMITS<br>ON MEAN | GEOM<br>MEAN | LOG 10<br>MEAN | STD<br>DEV | 95% LIMITS<br>ON MEAN |          |          |
|--------|----------|-------|-----|---------------|------------|-------|------|----------------|-----------------------|--------------|----------------|------------|-----------------------|----------|----------|
| DIBS   | FE LKSD  | PCT   | 253 | 2.01          | 1.48       | 73.6  | 2.40 | 10.04          | 1.82                  | 2.19         | 1.59           | .2014      | .3039                 | 1.46     | 1.73     |
| SMRK   | FE LKSD  | PCT   | 94  | 1.28          | 1.02       | 79.7  | 1.86 | 5.86           | 1.07                  | 1.49         | .936           | -.0286     | .3631                 | .789     | 1.11     |
| ARGL   | FE LKSD  | PCT   | 29  | 2.16          | 1.44       | 66.6  | .27  | -1.21          | 1.61                  | 2.70         | 1.59           | .2021      | .3854                 | 1.14     | 2.23     |
| CHRT   | FE LKSD  | PCT   | 2   | 8.68          | 11.8       | 135.7 | 0.00 | -2.00          | -27.1                 | 44.5         | 2.44           | .3873      | 1.1925                | .574E-03 | .104E+05 |
| GRNT   | FE LKSD  | PCT   | 66  | 1.30          | .831       | 63.7  | 1.31 | 1.68           | 1.10                  | 1.51         | 1.08           | .0347      | .2666                 | .931     | 1.26     |
| GRNG   | FE LKSD  | PCT   | 284 | 1.96          | 1.90       | 96.9  | 2.98 | 11.39          | 1.74                  | 2.18         | 1.42           | .1537      | .3387                 | 1.30     | 1.56     |
| UMFC   | FE LKSD  | PCT   | 1   | 2.35          | .100E-05   | .0    | .00  | .00            | 2.35                  | 2.35         | 2.35           | .3711      | .0000                 | 2.35     | 2.35     |
| CGLM   | FE LKSD  | PCT   | 24  | 1.79          | 1.02       | 57.0  | .33  | -1.02          | 1.36                  | 2.22         | 1.46           | .1656      | .3065                 | 1.09     | 1.97     |
| GRCK   | FE LKSD  | PCT   | 45  | 1.54          | 1.34       | 87.1  | 2.74 | 9.52           | 1.14                  | 1.94         | 1.18           | .0722      | .3115                 | .952     | 1.46     |
| BEXV   | FE LKSD  | PCT   | 8   | 1.01          | .585       | 58.2  | .55  | -1.06          | .529                  | 1.48         | .859           | -.0660     | .2688                 | .519     | 1.42     |
| MVCC   | FE LKSD  | PCT   | 42  | .990          | .668       | 67.4  | 1.72 | 3.95           | .782                  | 1.20         | .812           | -.0905     | .2810                 | .664     | .993     |
| UKNN   | FE LKSD  | PCT   | 73  | 2.13          | 2.17       | 101.8 | 2.91 | 9.32           | 1.63                  | 2.64         | 1.58           | .1978      | .3152                 | 1.33     | 1.87     |

| SUBSET | VARIABLE | UNITS | N   | MIN<br>VALUE | ----- PERCENTILE ----- |        |        |        |        |        |        |        |        | MAX<br>VALUE |
|--------|----------|-------|-----|--------------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
|        |          |       |     |              | 25TH                   | 50TH   | 75TH   | 80TH   | 90TH   | 95TH   | 98TH   | 99TH   |        |              |
| DIBS   | FE LKSD  | PCT   | 253 | .300         | 1.050                  | 1.700  | 2.600  | 2.900  | 3.750  | 4.500  | 5.750  | 7.850  | 11.750 |              |
| SMRK   | FE LKSD  | PCT   | 94  | .150         | .500                   | 1.050  | 1.700  | 1.800  | 2.700  | 3.000  | 4.150  | 6.450  | 6.450  |              |
| ARGL   | FE LKSD  | PCT   | 29  | .200         | .900                   | 1.800  | 3.600  | 3.650  | 4.000  | 5.200  | 5.200  | 5.200  | 5.200  |              |
| CHRT   | FE LKSD  | PCT   | 2   | .350         | .350                   | 17.000 | 17.000 | 17.000 | 17.000 | 17.000 | 17.000 | 17.000 | 17.000 |              |
| GRNT   | FE LKSD  | PCT   | 66  | .350         | .650                   | 1.050  | 1.800  | 1.900  | 2.500  | 3.150  | 4.300  | 4.300  | 4.300  |              |
| GRNG   | FE LKSD  | PCT   | 284 | .100         | .800                   | 1.450  | 2.400  | 2.700  | 3.600  | 5.550  | 9.100  | 11.000 | 13.100 |              |
| UMFC   | FE LKSD  | PCT   | 1   | 2.350        | 2.350                  | 2.350  | 2.350  | 2.350  | 2.350  | 2.350  | 2.350  | 2.350  | 2.350  |              |
| CGLM   | FE LKSD  | PCT   | 24  | .250         | 1.050                  | 1.800  | 2.650  | 2.700  | 3.600  | 3.650  | 3.650  | 3.650  | 3.650  |              |
| GRCK   | FE LKSD  | PCT   | 45  | .350         | .650                   | 1.250  | 1.900  | 2.100  | 2.900  | 5.100  | 7.800  | 7.800  | 7.800  |              |
| BEXV   | FE LKSD  | PCT   | 8   | .300         | .650                   | .800   | 1.500  | 1.500  | 2.000  | 2.000  | 2.000  | 2.000  | 2.000  |              |
| MVCC   | FE LKSD  | PCT   | 42  | .200         | .500                   | .850   | 1.300  | 1.500  | 1.800  | 2.450  | 3.600  | 3.600  | 3.600  |              |
| UKNN   | FE LKSD  | PCT   | 73  | .400         | 1.000                  | 1.550  | 2.150  | 2.300  | 5.100  | 6.950  | 12.750 | 12.750 | 12.750 |              |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 HG LKSD                      PPB                      DIBS

HISTOGRAM

|         | **                                   | *  | *  | *  | *  | *   | N   | %     | CUM %  |
|---------|--------------------------------------|----|----|----|----|-----|-----|-------|--------|
| 1 PPB   | X                                    |    |    |    |    |     | 3   | 1.19  | 1.19   |
| 2 PPB   |                                      |    |    |    |    |     |     |       |        |
| 5 PPB   |                                      |    |    |    |    |     |     |       |        |
| 10 PPB  |                                      |    |    |    |    |     |     |       |        |
| 20 PPB  |                                      |    |    |    |    |     |     |       |        |
| 50 PPB  | XXX                                  |    |    |    |    |     | 14  | 5.53  | 6.72   |
| 100 PPB | XXXXXXXX                             |    |    |    |    |     | 41  | 16.21 | 22.92  |
| 200 PPB | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    |    |     | 151 | 59.68 | 82.61  |
| 500 PPB | XXXXXXXX                             |    |    |    |    |     | 41  | 16.21 | 98.81  |
| 1 PPM   | X                                    |    |    |    |    |     | 3   | 1.19  | 100.00 |
| 2 PPM   |                                      |    |    |    |    |     |     |       |        |
| 5 PPM   |                                      |    |    |    |    |     |     |       |        |
|         | **                                   | *  | *  | *  | *  | *   |     |       |        |
|         | 0                                    | 20 | 40 | 60 | 80 | 100 |     |       |        |

PERCENT

SUMMARY STATISTICS

|                                 |           |
|---------------------------------|-----------|
| TOTAL NUMBER OF SAMPLES         | 253       |
| NUMBER OF ZERO VALUE SAMPLES    | 3         |
| NUMBER OF NON-ZERO SAMPLES      | 250       |
| ARITHMETIC MEAN                 | 157.6800  |
| VARIANCE                        | 7966.4835 |
| STANDARD DEVIATION              | 89.2552   |
| SKEW                            | 3.1212    |
| EXCESS KURTOSIS                 | 15.7182   |
| COEFFICIENT OF VARIANCE, %      | 56.6053   |
| STANDARD ERROR OF THE MEAN      | 5.6450    |
| LOWER 95% LIMIT ON THE MEAN     | 146.5594  |
| UPPER 95% LIMIT ON THE MEAN     | 168.8006  |
| LOWER 95% LIMIT ON THE RANGE    | -18.1527  |
| UPPER 95% LIMIT ON THE RANGE    | 333.5127  |
| GEOMETRIC MEAN                  | 139.5209  |
| LOG10 MEAN                      | 2.1446    |
| LOG10 VARIANCE                  | .0467     |
| LOG10 STANDARD DEVIATION        | .2160     |
| STANDARD ERROR ON THE MEAN      | .0137     |
| LOWER 95% LIMIT ON THE MEAN     | 131.1365  |
| UPPER 95% LIMIT ON THE MEAN     | 148.4414  |
| LOWER 95% LIMIT ON THE RANGE    | 52.3680   |
| UPPER 95% LIMIT ON THE RANGE    | 371.7173  |
| MINIMUM VALUE                   | 30.0000   |
| 25TH PERCENTILE OR 1ST QUARTILE | 110.0000  |
| 50TH PERCENTILE OR MEDIAN       | 150.0000  |
| 75TH PERCENTILE OR 3RD QUARTILE | 190.0000  |
| 80TH PERCENTILE                 | 190.0000  |
| 90TH PERCENTILE                 | 240.0000  |
| 95TH PERCENTILE                 | 300.0000  |
| 98TH PERCENTILE                 | 400.0000  |
| 99TH PERCENTILE                 | 700.0000  |
| MAXIMUM VALUE                   | 710.0000  |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 HG LKSD                      PPB                      SMRK

| HISTOGRAM |    |                              |    |    |     | SUMMARY STATISTICS |        |                                 |           |
|-----------|----|------------------------------|----|----|-----|--------------------|--------|---------------------------------|-----------|
|           |    |                              |    |    | N   | %                  | CUM %  |                                 |           |
| **        | *  | *                            | *  | *  | *   |                    |        | TOTAL NUMBER OF SAMPLES         | 94        |
|           |    |                              |    |    | *   | 2                  | 2.13   | NUMBER OF ZERO VALUE SAMPLES    | 2         |
| 1 PPB     | *  |                              |    |    | *   |                    |        | NUMBER OF NON-ZERO SAMPLES      | 92        |
| 2 PPB     | *  |                              |    |    | *   |                    |        |                                 |           |
| 5 PPB     | *  |                              |    |    | *   |                    |        | ARITHMETIC MEAN                 | 100.6522  |
| 10 PPB    | *  |                              |    |    | *   |                    |        | VARIANCE                        | 2483.0865 |
| 20 PPB    | *  |                              |    |    | *   |                    |        | STANDARD DEVIATION              | 49.8306   |
| 50 PPB    | *  | XXXXXX                       |    |    | *   | 11                 | 11.70  | SKEW                            | 1.5840    |
| 100 PPB   | *  | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    | *   | 46                 | 48.94  | EXCESS KURTOSIS                 | 4.2009    |
| 200 PPB   | *  | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    | *   | 32                 | 34.04  | COEFFICIENT OF VARIANCE, %      | 49.5077   |
| 500 PPB   | *  | XX                           |    |    | *   | 3                  | 3.19   | STANDARD ERROR OF THE MEAN      | 5.1952    |
| 1 PPM     | *  |                              |    |    | *   |                    | 100.00 | LOWER 95% LIMIT ON THE MEAN     | 90.3316   |
| 2 PPM     | *  |                              |    |    | *   |                    |        | UPPER 95% LIMIT ON THE MEAN     | 110.9727  |
| 5 PPM     | *  |                              |    |    | *   |                    |        | LOWER 95% LIMIT ON THE RANGE    | 1.6607    |
|           |    |                              |    |    | *   |                    |        | UPPER 95% LIMIT ON THE RANGE    | 199.6436  |
| **        | *  | *                            | *  | *  | *   |                    |        | GEOMETRIC MEAN                  | 90.0521   |
| 0         | 20 | 40                           | 60 | 80 | 100 |                    |        | LOG10 MEAN                      | 1.9545    |
|           |    |                              |    |    |     |                    |        | LOG10 VARIANCE                  | .0435     |
|           |    |                              |    |    |     |                    |        | LOG10 STANDARD DEVIATION        | .2086     |
|           |    |                              |    |    |     |                    |        | STANDARD ERROR ON THE MEAN      | .0217     |
|           |    |                              |    |    |     |                    |        | LOWER 95% LIMIT ON THE MEAN     | 81.5264   |
|           |    |                              |    |    |     |                    |        | UPPER 95% LIMIT ON THE MEAN     | 99.4693   |
|           |    |                              |    |    |     |                    |        | LOWER 95% LIMIT ON THE RANGE    | 34.6878   |
|           |    |                              |    |    |     |                    |        | UPPER 95% LIMIT ON THE RANGE    | 233.7817  |
|           |    |                              |    |    |     |                    |        | MINIMUM VALUE                   | 30.0000   |
|           |    |                              |    |    |     |                    |        | 25TH PERCENTILE OR 1ST QUARTILE | 70.0000   |
|           |    |                              |    |    |     |                    |        | 50TH PERCENTILE OR MEDIAN       | 90.0000   |
|           |    |                              |    |    |     |                    |        | 75TH PERCENTILE OR 3RD QUARTILE | 130.0000  |
|           |    |                              |    |    |     |                    |        | 80TH PERCENTILE                 | 130.0000  |
|           |    |                              |    |    |     |                    |        | 90TH PERCENTILE                 | 170.0000  |
|           |    |                              |    |    |     |                    |        | 95TH PERCENTILE                 | 190.0000  |
|           |    |                              |    |    |     |                    |        | 98TH PERCENTILE                 | 280.0000  |
|           |    |                              |    |    |     |                    |        | 99TH PERCENTILE                 | 320.0000  |
|           |    |                              |    |    |     |                    |        | MAXIMUM VALUE                   | 320.0000  |

PERCENT

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 HG LKSD                      PPB                      ARGL

| HISTOGRAM |                                      |    |    |    |     | SUMMARY STATISTICS |       |                                 |           |
|-----------|--------------------------------------|----|----|----|-----|--------------------|-------|---------------------------------|-----------|
|           |                                      |    |    |    | N   | %                  | CUM % |                                 |           |
| **        | *                                    | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES         | 29        |
| 1 PPB *   |                                      |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES    | 0         |
| 2 PPB *   |                                      |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES      | 29        |
| 5 PPB *   |                                      |    |    |    | *   |                    |       | ARITHMETIC MEAN                 | 184.4828  |
| 10 PPB *  |                                      |    |    |    | *   |                    |       | VARIANCE                        | 8697.0443 |
| 20 PPB *  |                                      |    |    |    | *   |                    |       | STANDARD DEVIATION              | 93.2579   |
| 50 PPB *  | XX                                   |    |    |    | *   | 1                  | 3.45  | 3.45                            | 3.45      |
| 100 PPB * | XXX                                  |    |    |    | *   | 2                  | 6.90  | 10.34                           | 10.34     |
| 200 PPB * | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 19                 | 65.52 | 75.86                           | 75.86     |
| 500 PPB * | XXXXXXXXXXXX                         |    |    |    | *   | 7                  | 24.14 | 100.00                          | 100.00    |
| 1 PPM *   |                                      |    |    |    | *   |                    |       |                                 |           |
| 2 PPM *   |                                      |    |    |    | *   |                    |       |                                 |           |
| 5 PPM *   |                                      |    |    |    | *   |                    |       |                                 |           |
| **        | *                                    | *  | *  | *  | *   |                    |       |                                 |           |
| 0         | 20                                   | 40 | 60 | 80 | 100 |                    |       |                                 |           |
| PERCENT   |                                      |    |    |    |     |                    |       |                                 |           |
|           |                                      |    |    |    |     |                    |       | COEFFICIENT OF VARIANCE, %      | 50.5510   |
|           |                                      |    |    |    |     |                    |       | STANDARD ERROR OF THE MEAN      | 17.3176   |
|           |                                      |    |    |    |     |                    |       | LOWER 95% LIMIT ON THE MEAN     | 149.0683  |
|           |                                      |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE MEAN     | 219.8972  |
|           |                                      |    |    |    |     |                    |       | LOWER 95% LIMIT ON THE RANGE    | -6.2297   |
|           |                                      |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE RANGE    | 375.1953  |
|           |                                      |    |    |    |     |                    |       | GEOMETRIC MEAN                  | 165.1954  |
|           |                                      |    |    |    |     |                    |       | LOG10 MEAN                      | 2.2180    |
|           |                                      |    |    |    |     |                    |       | LOG10 VARIANCE                  | .0428     |
|           |                                      |    |    |    |     |                    |       | LOG10 STANDARD DEVIATION        | .2069     |
|           |                                      |    |    |    |     |                    |       | STANDARD ERROR ON THE MEAN      | .0384     |
|           |                                      |    |    |    |     |                    |       | LOWER 95% LIMIT ON THE MEAN     | 137.8532  |
|           |                                      |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE MEAN     | 197.9606  |
|           |                                      |    |    |    |     |                    |       | LOWER 95% LIMIT ON THE RANGE    | 62.3485   |
|           |                                      |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE RANGE    | 437.6931  |
|           |                                      |    |    |    |     |                    |       | MINIMUM VALUE                   | 50.0000   |
|           |                                      |    |    |    |     |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | 120.0000  |
|           |                                      |    |    |    |     |                    |       | 50TH PERCENTILE OR MEDIAN       | 160.0000  |
|           |                                      |    |    |    |     |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | 240.0000  |
|           |                                      |    |    |    |     |                    |       | 80TH PERCENTILE                 | 270.0000  |
|           |                                      |    |    |    |     |                    |       | 90TH PERCENTILE                 | 300.0000  |
|           |                                      |    |    |    |     |                    |       | 95TH PERCENTILE                 | 460.0000  |
|           |                                      |    |    |    |     |                    |       | 98TH PERCENTILE                 | 460.0000  |
|           |                                      |    |    |    |     |                    |       | 99TH PERCENTILE                 | 460.0000  |
|           |                                      |    |    |    |     |                    |       | MAXIMUM VALUE                   | 460.0000  |

| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| HG LKSD       | PPB                 | CHRT        |

SUMMARY STATISTICS

|                              |   |
|------------------------------|---|
| TOTAL NUMBER OF SAMPLES      | 2 |
| NUMBER OF ZERO VALUE SAMPLES | 0 |
| NUMBER OF NON-ZERO SAMPLES   | 2 |

|                    |         |
|--------------------|---------|
| ARITHMETIC MEAN    | 90.0000 |
| VARIANCE           | .0000   |
| STANDARD DEVIATION | .0010   |
| SKEW               | 0.0000  |
| EXCESS KURTOSIS    | -3.0000 |

|                            |       |
|----------------------------|-------|
| COEFFICIENT OF VARIANCE, % | .0011 |
|----------------------------|-------|

|                             |         |
|-----------------------------|---------|
| STANDARD ERROR OF THE MEAN  | .0007   |
| LOWER 95% LIMIT ON THE MEAN | 89.9970 |
| UPPER 95% LIMIT ON THE MEAN | 90.0030 |

|                              |         |
|------------------------------|---------|
| LOWER 95% LIMIT ON THE RANGE | 89.9957 |
| UPPER 95% LIMIT ON THE RANGE | 90.0043 |

|                          |         |
|--------------------------|---------|
| GEOMETRIC MEAN           | 90.0000 |
| LOG10 MEAN               | 1.9542  |
| LOG10 VARIANCE           | .0000   |
| LOG10 STANDARD DEVIATION | .0010   |

|                             |         |
|-----------------------------|---------|
| STANDARD ERROR ON THE MEAN  | .0007   |
| LOWER 95% LIMIT ON THE MEAN | 89.3717 |
| UPPER 95% LIMIT ON THE MEAN | 90.6328 |

|                              |         |
|------------------------------|---------|
| LOWER 95% LIMIT ON THE RANGE | 89.1127 |
| UPPER 95% LIMIT ON THE RANGE | 90.8962 |

|                                 |         |
|---------------------------------|---------|
| MINIMUM VALUE                   | 90.0000 |
| 25TH PERCENTILE OR 1ST QUARTILE | 90.0000 |
| 50TH PERCENTILE OR MEDIAN       | 90.0000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 90.0000 |
| 80TH PERCENTILE                 | 90.0000 |
| 90TH PERCENTILE                 | 90.0000 |
| 95TH PERCENTILE                 | 90.0000 |
| 98TH PERCENTILE                 | 90.0000 |
| 99TH PERCENTILE                 | 90.0000 |
| MAXIMUM VALUE                   | 90.0000 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 HG LKSD                      PPB                      GRNT

| HISTOGRAM |                                      |    |    |    |     | SUMMARY STATISTICS |       |                                 |           |
|-----------|--------------------------------------|----|----|----|-----|--------------------|-------|---------------------------------|-----------|
|           |                                      |    |    |    | N   | %                  | CUM % |                                 |           |
| **        | *                                    | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES         | 66        |
| 1 PPB *   |                                      |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES    | 0         |
| 2 PPB *   |                                      |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES      | 66        |
| 5 PPB *   |                                      |    |    |    | *   |                    |       | ARITHMETIC MEAN                 | 112.7273  |
| 10 PPB *  |                                      |    |    |    | *   |                    |       | VARIANCE                        | 1309.3706 |
| 20 PPB *  |                                      |    |    |    | *   |                    |       | STANDARD DEVIATION              | 36.1852   |
| 50 PPB *  | XXXX                                 |    |    |    | *   | 5                  | 7.58  | 7.58                            | 7.58      |
| 100 PPB * | XXXXXXXXXXXXXXXXXXXX                 |    |    |    | *   | 23                 | 34.85 | 42.42                           | 42.42     |
| 200 PPB * | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *   | 37                 | 56.06 | 98.48                           | 98.48     |
| 500 PPB * | X                                    |    |    |    | *   | 1                  | 1.52  | 100.00                          | 100.00    |
| 1 PPM *   |                                      |    |    |    | *   |                    |       |                                 |           |
| 2 PPM *   |                                      |    |    |    | *   |                    |       | GEOMETRIC MEAN                  | 106.1179  |
| 5 PPM *   |                                      |    |    |    | *   |                    |       | LOG10 MEAN                      | 2.0258    |
|           |                                      |    |    |    | *   |                    |       | LOG10 VARIANCE                  | .0263     |
|           |                                      |    |    |    | *   |                    |       | LOG10 STANDARD DEVIATION        | .1622     |
| **        | *                                    | *  | *  | *  | *   |                    |       | STANDARD ERROR ON THE MEAN      | .0200     |
| 0         | 20                                   | 40 | 60 | 80 | 100 |                    |       | LOWER 95% LIMIT ON THE MEAN     | 96.8086   |
|           |                                      |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE MEAN     | 116.3224  |
|           |                                      |    |    |    |     |                    |       | LOWER 95% LIMIT ON THE RANGE    | 50.3321   |
|           |                                      |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE RANGE    | 223.7340  |
|           |                                      |    |    |    |     |                    |       | MINIMUM VALUE                   | 30.0000   |
|           |                                      |    |    |    |     |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | 90.0000   |
|           |                                      |    |    |    |     |                    |       | 50TH PERCENTILE OR MEDIAN       | 110.0000  |
|           |                                      |    |    |    |     |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | 140.0000  |
|           |                                      |    |    |    |     |                    |       | 80TH PERCENTILE                 | 140.0000  |
|           |                                      |    |    |    |     |                    |       | 90TH PERCENTILE                 | 160.0000  |
|           |                                      |    |    |    |     |                    |       | 95TH PERCENTILE                 | 180.0000  |
|           |                                      |    |    |    |     |                    |       | 98TH PERCENTILE                 | 210.0000  |
|           |                                      |    |    |    |     |                    |       | 99TH PERCENTILE                 | 210.0000  |
|           |                                      |    |    |    |     |                    |       | MAXIMUM VALUE                   | 210.0000  |

PERCENT

| VARIABLE NAME      |                              | UNIT OF MEASUREMENT | DATA SUBSET |    |                                 |             |
|--------------------|------------------------------|---------------------|-------------|----|---------------------------------|-------------|
| HG                 | LKSD                         | PPB                 | GRNG        |    |                                 |             |
| HISTOGRAM          |                              |                     |             |    |                                 |             |
| **                 | *                            | *                   | *           | *  | N                               | % CUM %     |
| I                  |                              |                     |             | *  | 2                               | .70 .70     |
| 1 PPB              | *                            |                     |             | *  |                                 |             |
| 2 PPB              | *                            |                     |             | *  |                                 |             |
| 5 PPB              | *                            |                     |             | *  |                                 |             |
| 10 PPB             | *                            |                     |             | *  |                                 |             |
| 20 PPB             | I                            |                     |             | *  | 1                               | .35 1.06    |
| 50 PPB             | XXXX                         |                     |             | *  | 23                              | 8.10 9.15   |
| 100 PPB            | XXXXXXXXXXXXXXXXXXXX         |                     |             | *  | 98                              | 34.51 43.66 |
| 200 PPB            | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |                     |             | *  | 153                             | 53.87 97.54 |
| 500 PPB            | X                            |                     |             | *  | 7                               | 2.46 100.00 |
| 1 PPM              | *                            |                     |             | *  |                                 |             |
| 2 PPM              | *                            |                     |             | *  |                                 |             |
| 5 PPM              | *                            |                     |             | *  |                                 |             |
| **                 | *                            | *                   | *           | *  |                                 |             |
| 0                  | 20                           | 40                  | 60          | 80 | 100                             |             |
| PERCENT            |                              |                     |             |    |                                 |             |
| SUMMARY STATISTICS |                              |                     |             |    |                                 |             |
|                    |                              |                     |             |    | TOTAL NUMBER OF SAMPLES         | 284         |
|                    |                              |                     |             |    | NUMBER OF ZERO VALUE SAMPLES    | 2           |
|                    |                              |                     |             |    | NUMBER OF NON-ZERO SAMPLES      | 282         |
|                    |                              |                     |             |    | ARITHMETIC MEAN                 | 117.1986    |
|                    |                              |                     |             |    | VARIANCE                        | 1937.6757   |
|                    |                              |                     |             |    | STANDARD DEVIATION              | 44.0190     |
|                    |                              |                     |             |    | SKEW                            | .2201       |
|                    |                              |                     |             |    | EXCESS KURTOSIS                 | -.3223      |
|                    |                              |                     |             |    | COEFFICIENT OF VARIANCE, %      | 37.5594     |
|                    |                              |                     |             |    | STANDARD ERROR OF THE MEAN      | 2.6213      |
|                    |                              |                     |             |    | LOWER 95% LIMIT ON THE MEAN     | 112.0380    |
|                    |                              |                     |             |    | UPPER 95% LIMIT ON THE MEAN     | 122.3592    |
|                    |                              |                     |             |    | LOWER 95% LIMIT ON THE RANGE    | 30.5374     |
|                    |                              |                     |             |    | UPPER 95% LIMIT ON THE RANGE    | 203.8597    |
|                    |                              |                     |             |    | GEOMETRIC MEAN                  | 107.9312    |
|                    |                              |                     |             |    | LOG10 MEAN                      | 2.0331      |
|                    |                              |                     |             |    | LOG10 VARIANCE                  | .0351       |
|                    |                              |                     |             |    | LOG10 STANDARD DEVIATION        | .1875       |
|                    |                              |                     |             |    | STANDARD ERROR ON THE MEAN      | .0112       |
|                    |                              |                     |             |    | LOWER 95% LIMIT ON THE MEAN     | 102.6050    |
|                    |                              |                     |             |    | UPPER 95% LIMIT ON THE MEAN     | 113.5339    |
|                    |                              |                     |             |    | LOWER 95% LIMIT ON THE RANGE    | 46.1387     |
|                    |                              |                     |             |    | UPPER 95% LIMIT ON THE RANGE    | 252.4813    |
|                    |                              |                     |             |    | MINIMUM VALUE                   | 20.0000     |
|                    |                              |                     |             |    | 25TH PERCENTILE OR 1ST QUARTILE | 90.0000     |
|                    |                              |                     |             |    | 50TH PERCENTILE OR MEDIAN       | 120.0000    |
|                    |                              |                     |             |    | 75TH PERCENTILE OR 3RD QUARTILE | 150.0000    |
|                    |                              |                     |             |    | 80TH PERCENTILE                 | 160.0000    |
|                    |                              |                     |             |    | 90TH PERCENTILE                 | 170.0000    |
|                    |                              |                     |             |    | 95TH PERCENTILE                 | 190.0000    |
|                    |                              |                     |             |    | 98TH PERCENTILE                 | 210.0000    |
|                    |                              |                     |             |    | 99TH PERCENTILE                 | 230.0000    |
|                    |                              |                     |             |    | MAXIMUM VALUE                   | 240.0000    |

| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| HG LKSD       | PPB                 | UMFC        |

SUMMARY STATISTICS

|                              |   |
|------------------------------|---|
| TOTAL NUMBER OF SAMPLES      | 1 |
| NUMBER OF ZERO VALUE SAMPLES | 0 |
| NUMBER OF NON-ZERO SAMPLES   | 1 |

|                    |          |
|--------------------|----------|
| ARITHMETIC MEAN    | 120.0000 |
| VARIANCE           | .0000    |
| STANDARD DEVIATION | .0000    |
| SKEW               | .0000    |
| EXCESS KURTOSIS    | .0000    |

|                            |       |
|----------------------------|-------|
| COEFFICIENT OF VARIANCE, % | .0000 |
|----------------------------|-------|

|                             |          |
|-----------------------------|----------|
| STANDARD ERROR OF THE MEAN  | .0000    |
| LOWER 95% LIMIT ON THE MEAN | 120.0000 |
| UPPER 95% LIMIT ON THE MEAN | 120.0000 |

|                              |          |
|------------------------------|----------|
| LOWER 95% LIMIT ON THE RANGE | 120.0000 |
| UPPER 95% LIMIT ON THE RANGE | 120.0000 |

|                          |          |
|--------------------------|----------|
| GEOMETRIC MEAN           | 120.0000 |
| LOG10 MEAN               | 2.0792   |
| LOG10 VARIANCE           | .0000    |
| LOG10 STANDARD DEVIATION | .0000    |

|                             |          |
|-----------------------------|----------|
| STANDARD ERROR ON THE MEAN  | .0000    |
| LOWER 95% LIMIT ON THE MEAN | 120.0000 |
| UPPER 95% LIMIT ON THE MEAN | 120.0000 |

|                              |          |
|------------------------------|----------|
| LOWER 95% LIMIT ON THE RANGE | 120.0000 |
| UPPER 95% LIMIT ON THE RANGE | 120.0000 |

|                                 |          |
|---------------------------------|----------|
| MINIMUM VALUE                   | 120.0000 |
| 25TH PERCENTILE OR 1ST QUARTILE | 120.0000 |
| 50TH PERCENTILE OR MEDIAN       | 120.0000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 120.0000 |
| 80TH PERCENTILE                 | 120.0000 |
| 90TH PERCENTILE                 | 120.0000 |
| 95TH PERCENTILE                 | 120.0000 |
| 98TH PERCENTILE                 | 120.0000 |
| 99TH PERCENTILE                 | 120.0000 |
| MAXIMUM VALUE                   | 120.0000 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 HG LKSD                      PPB                      GRCK

| HISTOGRAM |                                      |    |    |    |    | SUMMARY STATISTICS |        |                                 |           |
|-----------|--------------------------------------|----|----|----|----|--------------------|--------|---------------------------------|-----------|
|           |                                      |    |    |    | N  | %                  | CUM %  |                                 |           |
| **        | *                                    | *  | *  | *  | *  |                    |        | TOTAL NUMBER OF SAMPLES         | 45        |
|           |                                      |    |    |    | *  |                    |        | NUMBER OF ZERO VALUE SAMPLES    | 0         |
| 1 PPB     | *                                    |    |    |    | *  |                    |        | NUMBER OF NON-ZERO SAMPLES      | 45        |
| 2 PPB     | *                                    |    |    |    | *  |                    |        | ARITHMETIC MEAN                 | 128.2222  |
| 5 PPB     | *                                    |    |    |    | *  |                    |        | VARIANCE                        | 1601.3131 |
| 10 PPB    | *                                    |    |    |    | *  |                    |        | STANDARD DEVIATION              | 40.0164   |
| 20 PPB    | *                                    |    |    |    | *  |                    |        | SKEW                            | .6872     |
| 50 PPB    | X                                    |    |    |    | *  | 1                  | 2.22   | EXCESS KURTOSIS                 | .4604     |
|           | XXXXXXXXXXXX                         |    |    |    | *  | 11                 | 24.44  | COEFFICIENT OF VARIANCE, %      | 31.2086   |
| 100 PPB   | *                                    |    |    |    | *  | 30                 | 66.67  | STANDARD ERROR OF THE MEAN      | 5.9653    |
|           | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *  | 30                 | 66.67  | LOWER 95% LIMIT ON THE MEAN     | 116.2051  |
| 200 PPB   | *                                    |    |    |    | *  | 3                  | 6.67   | UPPER 95% LIMIT ON THE MEAN     | 140.2393  |
|           | XXX                                  |    |    |    | *  | 3                  | 6.67   | LOWER 95% LIMIT ON THE RANGE    | 47.6092   |
| 500 PPB   | *                                    |    |    |    | *  |                    | 100.00 | UPPER 95% LIMIT ON THE RANGE    | 208.8353  |
| 1 PPM     | *                                    |    |    |    | *  |                    |        | GEOMETRIC MEAN                  | 122.2424  |
| 2 PPM     | *                                    |    |    |    | *  |                    |        | LOG10 MEAN                      | 2.0872    |
| 5 PPM     | *                                    |    |    |    | *  |                    |        | LOG10 VARIANCE                  | .0189     |
|           |                                      |    |    |    | *  |                    |        | LOG10 STANDARD DEVIATION        | .1376     |
| **        | *                                    | *  | *  | *  | *  |                    |        | STANDARD ERROR ON THE MEAN      | .0205     |
|           | 0                                    | 20 | 40 | 60 | 80 | 100                |        | LOWER 95% LIMIT ON THE MEAN     | 111.1439  |
|           |                                      |    |    |    |    |                    |        | UPPER 95% LIMIT ON THE MEAN     | 134.4493  |
|           |                                      |    |    |    |    |                    |        | LOWER 95% LIMIT ON THE RANGE    | 64.5548   |
|           |                                      |    |    |    |    |                    |        | UPPER 95% LIMIT ON THE RANGE    | 231.4810  |
|           |                                      |    |    |    |    |                    |        | MINIMUM VALUE                   | 50.0000   |
|           |                                      |    |    |    |    |                    |        | 25TH PERCENTILE OR 1ST QUARTILE | 100.0000  |
|           |                                      |    |    |    |    |                    |        | 50TH PERCENTILE OR MEDIAN       | 120.0000  |
|           |                                      |    |    |    |    |                    |        | 75TH PERCENTILE OR 3RD QUARTILE | 150.0000  |
|           |                                      |    |    |    |    |                    |        | 80TH PERCENTILE                 | 150.0000  |
|           |                                      |    |    |    |    |                    |        | 90TH PERCENTILE                 | 190.0000  |
|           |                                      |    |    |    |    |                    |        | 95TH PERCENTILE                 | 230.0000  |
|           |                                      |    |    |    |    |                    |        | 98TH PERCENTILE                 | 230.0000  |
|           |                                      |    |    |    |    |                    |        | 99TH PERCENTILE                 | 230.0000  |
|           |                                      |    |    |    |    |                    |        | MAXIMUM VALUE                   | 230.0000  |

PERCENT

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 HG LKSD                      PPB                      BEXV

| HISTOGRAM |  |    |    |    |     | SUMMARY STATISTICS |       |                                 |           |
|-----------|--|----|----|----|-----|--------------------|-------|---------------------------------|-----------|
|           |  |    |    |    | N   | %                  | CUM % |                                 |           |
| **        | *  | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES         | 8         |
| 1 PPB *   |  |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES    | 0         |
| 2 PPB *   |  |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES      | 8         |
| 5 PPB *   |  |    |    |    | *   |                    |       | ARITHMETIC MEAN                 | 141.2500  |
| 10 PPB *  |  |    |    |    | *   |                    |       | VARIANCE                        | 4898.2143 |
| 20 PPB *  |  |    |    |    | *   |                    |       | STANDARD DEVIATION              | 69.9872   |
| 50 PPB *  | XXXXXX                                       |    |    |    | *   | 1                  | 12.50 | 12.50                           | 1.1273    |
| 100 PPB * |  |    |    |    | *   |                    |       | EXCESS KURTOSIS                 | .8293     |
| 200 PPB * | XX |    |    |    | *   | 6                  | 75.00 | 87.50                           | 49.5485   |
| 500 PPB * | XXXXXX                                       |    |    |    | *   | 1                  | 12.50 | 100.00                          | 24.7442   |
| 1 PPM *   |  |    |    |    | *   |                    |       | COEFFICIENT OF VARIANCE, %      | 49.5485   |
| 2 PPM *   |  |    |    |    | *   |                    |       | STANDARD ERROR OF THE MEAN      | 24.7442   |
| 5 PPM *   |  |    |    |    | *   |                    |       | LOWER 95% LIMIT ON THE MEAN     | 84.1898   |
| **        | *  | *  | *  | *  | *   |                    |       | UPPER 95% LIMIT ON THE MEAN     | 198.3102  |
| 0         | 20   | 40 | 60 | 80 | 100 |                    |       | LOWER 95% LIMIT ON THE RANGE    | -20.1406  |
|           |  |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE RANGE    | 302.6406  |
|           |  |    |    |    |     |                    |       | GEOMETRIC MEAN                  | 127.4128  |
|           |  |    |    |    |     |                    |       | LOG10 MEAN                      | 2.1052    |
|           |  |    |    |    |     |                    |       | LOG10 VARIANCE                  | .0461     |
|           |  |    |    |    |     |                    |       | LOG10 STANDARD DEVIATION        | .2148     |
|           |  |    |    |    |     |                    |       | STANDARD ERROR ON THE MEAN      | .0759     |
|           |  |    |    |    |     |                    |       | LOWER 95% LIMIT ON THE MEAN     | 85.1343   |
|           |  |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE MEAN     | 190.6873  |
|           |  |    |    |    |     |                    |       | LOWER 95% LIMIT ON THE RANGE    | 40.7316   |
|           |  |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE RANGE    | 398.5614  |
|           |  |    |    |    |     |                    |       | MINIMUM VALUE                   | 50.0000   |
|           |  |    |    |    |     |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | 120.0000  |
|           |  |    |    |    |     |                    |       | 50TH PERCENTILE OR MEDIAN       | 120.0000  |
|           |  |    |    |    |     |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | 180.0000  |
|           |  |    |    |    |     |                    |       | 80TH PERCENTILE                 | 180.0000  |
|           |  |    |    |    |     |                    |       | 90TH PERCENTILE                 | 290.0000  |
|           |  |    |    |    |     |                    |       | 95TH PERCENTILE                 | 290.0000  |
|           |  |    |    |    |     |                    |       | 98TH PERCENTILE                 | 290.0000  |
|           |  |    |    |    |     |                    |       | 99TH PERCENTILE                 | 290.0000  |
|           |  |    |    |    |     |                    |       | MAXIMUM VALUE                   | 290.0000  |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 HG LKSD                      PPB                      MVCC

| HISTOGRAM |    |  |    |    |     | SUMMARY STATISTICS |       |                                 |           |
|-----------|----|--|----|----|-----|--------------------|-------|---------------------------------|-----------|
|           |    |  |    |    | N   | %                  | CUM % |                                 |           |
| **        | *  | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES         | 42        |
| 1 PPB     | *  |  |    |    | *   | 2                  | 4.76  | NUMBER OF ZERO VALUE SAMPLES    | 2         |
|           |    |  |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES      | 40        |
| 2 PPB     | *  |  |    |    | *   |                    |       | ARITHMETIC MEAN                 | 126.5000  |
| 5 PPB     | *  |  |    |    | *   |                    |       | VARIANCE                        | 1279.7436 |
| 10 PPB    | *  |  |    |    | *   |                    |       | STANDARD DEVIATION              | 35.7735   |
| 20 PPB    | *  |  |    |    | *   |                    |       | SKEW                            | .2937     |
| 50 PPB    | *  |  |    |    | *   |                    |       | EXCESS KURTOSIS                 | -.8249    |
| 100 PPB   | *  | XXXXXXXXXXXXXXXXXX                           |    |    | *   | 13                 | 30.95 | COEFFICIENT OF VARIANCE, %      | 28.2794   |
| 200 PPB   | *  | XX |    |    | *   | 27                 | 64.29 | STANDARD ERROR OF THE MEAN      | 5.6563    |
| 500 PPB   | *  |  |    |    | *   |                    |       | LOWER 95% LIMIT ON THE MEAN     | 115.0686  |
| 1 PPM     | *  |  |    |    | *   |                    |       | UPPER 95% LIMIT ON THE MEAN     | 137.9314  |
| 2 PPM     | *  |  |    |    | *   |                    |       | LOWER 95% LIMIT ON THE RANGE    | 54.2017   |
| 5 PPM     | *  |  |    |    | *   |                    |       | UPPER 95% LIMIT ON THE RANGE    | 198.7983  |
| **        | *  | *  | *  | *  | *   |                    |       | GEOMETRIC MEAN                  | 121.5002  |
| 0         | 20 | 40   | 60 | 80 | 100 |                    |       | LOG10 MEAN                      | 2.0846    |
|           |    |  |    |    |     |                    |       | LOG10 VARIANCE                  | .0161     |
|           |    |  |    |    |     |                    |       | LOG10 STANDARD DEVIATION        | .1267     |
|           |    |  |    |    |     |                    |       | STANDARD ERROR ON THE MEAN      | .0200     |
|           |    |  |    |    |     |                    |       | LOWER 95% LIMIT ON THE MEAN     | 110.6841  |
|           |    |  |    |    |     |                    |       | UPPER 95% LIMIT ON THE MEAN     | 133.3734  |
|           |    |  |    |    |     |                    |       | LOWER 95% LIMIT ON THE RANGE    | 67.3726   |
|           |    |  |    |    |     |                    |       | UPPER 95% LIMIT ON THE RANGE    | 219.1145  |
|           |    |  |    |    |     |                    |       | MINIMUM VALUE                   | 60.0000   |
|           |    |  |    |    |     |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | 100.0000  |
|           |    |  |    |    |     |                    |       | 50TH PERCENTILE OR MEDIAN       | 120.0000  |
|           |    |  |    |    |     |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | 150.0000  |
|           |    |  |    |    |     |                    |       | 80TH PERCENTILE                 | 160.0000  |
|           |    |  |    |    |     |                    |       | 90TH PERCENTILE                 | 180.0000  |
|           |    |  |    |    |     |                    |       | 95TH PERCENTILE                 | 190.0000  |
|           |    |  |    |    |     |                    |       | 98TH PERCENTILE                 | 190.0000  |
|           |    |  |    |    |     |                    |       | 99TH PERCENTILE                 | 190.0000  |
|           |    |  |    |    |     |                    |       | MAXIMUM VALUE                   | 190.0000  |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 HG LKSD                      PPB                      UKNN

| HISTOGRAM |  |    |    |    |     | SUMMARY STATISTICS |       |                              |                                 |          |
|-----------|--|----|----|----|-----|--------------------|-------|------------------------------|---------------------------------|----------|
|           |  |    |    |    | N   | %                  | CUM % |                              |                                 |          |
| **        | *  | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES      | 73                              |          |
|           |  |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES | 0                               |          |
| 1 PPB     | *  |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES   | 73                              |          |
| 2 PPB     | *  |    |    |    | *   |                    |       | ARITHMETIC MEAN              | 142.0548                        |          |
| 5 PPB     | *  |    |    |    | *   |                    |       | VARIANCE                     | 2208.2192                       |          |
| 10 PPB    | *  |    |    |    | *   |                    |       | STANDARD DEVIATION           | 46.9917                         |          |
| 20 PPB    | *  |    |    |    | *   |                    |       | SKEW                         | .2176                           |          |
| 50 PPB    | X  |    |    |    | *   | 1                  | 1.37  | 1.37                         | EXCESS KURTOSIS                 | .0789    |
| 100 PPB   | XXXXXXXXXX                                   |    |    |    | *   | 15                 | 20.55 | 21.92                        | COEFFICIENT OF VARIANCE, %      | 33.0800  |
| 200 PPB   | XX |    |    |    | *   | 52                 | 71.23 | 93.15                        | STANDARD ERROR OF THE MEAN      | 5.5000   |
| 500 PPB   | XXX  |    |    |    | *   | 5                  | 6.85  | 100.00                       | LOWER 95% LIMIT ON THE MEAN     | 131.0930 |
| 1 PPM     | *  |    |    |    | *   |                    |       |                              | UPPER 95% LIMIT ON THE MEAN     | 153.0166 |
| 2 PPM     | *  |    |    |    | *   |                    |       |                              | LOWER 95% LIMIT ON THE RANGE    | 48.3972  |
| 5 PPM     | *  |    |    |    | *   |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 235.7124 |
| **        | *  | *  | *  | *  | *   |                    |       |                              | GEOMETRIC MEAN                  | 133.6325 |
| 0         | 20   | 40 | 60 | 80 | 100 |                    |       |                              | LOG10 MEAN                      | 2.1259   |
|           |  |    |    |    |     |                    |       |                              | LOG10 VARIANCE                  | .0256    |
|           |  |    |    |    |     |                    |       |                              | LOG10 STANDARD DEVIATION        | .1601    |
|           |  |    |    |    |     |                    |       |                              | STANDARD ERROR ON THE MEAN      | .0187    |
|           |  |    |    |    |     |                    |       |                              | LOWER 95% LIMIT ON THE MEAN     | 122.6181 |
|           |  |    |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE MEAN     | 145.6363 |
|           |  |    |    |    |     |                    |       |                              | LOWER 95% LIMIT ON THE RANGE    | 64.0811  |
|           |  |    |    |    |     |                    |       |                              | UPPER 95% LIMIT ON THE RANGE    | 278.6726 |
|           |  |    |    |    |     |                    |       |                              | MINIMUM VALUE                   | 40.0000  |
|           |  |    |    |    |     |                    |       |                              | 25TH PERCENTILE OR 1ST QUARTILE | 110.0000 |
|           |  |    |    |    |     |                    |       |                              | 50TH PERCENTILE OR MEDIAN       | 140.0000 |
|           |  |    |    |    |     |                    |       |                              | 75TH PERCENTILE OR 3RD QUARTILE | 170.0000 |
|           |  |    |    |    |     |                    |       |                              | 80TH PERCENTILE                 | 170.0000 |
|           |  |    |    |    |     |                    |       |                              | 90TH PERCENTILE                 | 200.0000 |
|           |  |    |    |    |     |                    |       |                              | 95TH PERCENTILE                 | 210.0000 |
|           |  |    |    |    |     |                    |       |                              | 98TH PERCENTILE                 | 270.0000 |
|           |  |    |    |    |     |                    |       |                              | 99TH PERCENTILE                 | 270.0000 |
|           |  |    |    |    |     |                    |       |                              | MAXIMUM VALUE                   | 270.0000 |

PERCENT

SUMMARY STATISTICS

| SUBSET | VARIABLE | UNITS | N   | ARITH<br>MEAN | STD<br>DEV | CV % | SKEW | EXCESS<br>KURT | 95% LIMITS<br>ON MEAN | GEOM<br>MEAN | LOG 10<br>MEAN | STD<br>DEV | 95% LIMITS<br>ON MEAN |      |      |
|--------|----------|-------|-----|---------------|------------|------|------|----------------|-----------------------|--------------|----------------|------------|-----------------------|------|------|
| DIBS   | HG LKSD  | PPB   | 250 | 158.          | 89.3       | 56.6 | 3.12 | 15.72          | 147.                  | 169.         | 140.           | 2.1446     | .2160                 | 131. | 148. |
| SMRK   | HG LKSD  | PPB   | 92  | 101.          | 49.8       | 49.5 | 1.58 | 4.20           | 90.3                  | 111.         | 90.1           | 1.9545     | .2086                 | 81.5 | 99.5 |
| ARGL   | HG LKSD  | PPB   | 29  | 184.          | 93.3       | 50.6 | 1.31 | 1.43           | 149.                  | 220.         | 165.           | 2.2180     | .2069                 | 138. | 198. |
| CHRT   | HG LKSD  | PPB   | 2   | 90.0          | .100E-02   | .0   | 0.00 | -3.00          | 90.0                  | 90.0         | 90.0           | 1.9542     | .0010                 | 89.4 | 90.6 |
| GRNT   | HG LKSD  | PPB   | 66  | 113.          | 36.2       | 32.1 | .09  | .14            | 104.                  | 122.         | 106.           | 2.0258     | .1622                 | 96.8 | 116. |
| GRNG   | HG LKSD  | PPB   | 282 | 117.          | 44.0       | 37.6 | .22  | -.32           | 112.                  | 122.         | 108.           | 2.0331     | .1875                 | 103. | 114. |
| UMFC   | HG LKSD  | PPB   | 1   | 120.          | .100E-05   | .0   | .00  | .00            | 120.                  | 120.         | 120.           | 2.0792     | .0000                 | 120. | 120. |
| CGLM   | HG LKSD  | PPB   | 24  | 133.          | 44.8       | 33.8 | .94  | .20            | 114.                  | 151.         | 126.           | 2.1003     | .1387                 | 110. | 144. |
| GRCK   | HG LKSD  | PPB   | 45  | 128.          | 40.0       | 31.2 | .69  | .46            | 116.                  | 140.         | 122.           | 2.0872     | .1376                 | 111. | 134. |
| BEXV   | HG LKSD  | PPB   | 8   | 141.          | 70.0       | 49.5 | 1.13 | .83            | 84.2                  | 198.         | 127.           | 2.1052     | .2148                 | 85.1 | 191. |
| MVCC   | HG LKSD  | PPB   | 40  | 127.          | 35.8       | 28.3 | .29  | -.82           | 115.                  | 138.         | 122.           | 2.0846     | .1267                 | 111. | 133. |
| UKNN   | HG LKSD  | PPB   | 73  | 142.          | 47.0       | 33.1 | .22  | .08            | 131.                  | 153.         | 134.           | 2.1259     | .1601                 | 123. | 146. |

| SUBSET | VARIABLE | UNITS | N   | MIN<br>VALUE | ----- PERCENTILE ----- |         |         |         |         |         |         |         |         | MAX<br>VALUE |
|--------|----------|-------|-----|--------------|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|--------------|
|        |          |       |     |              | 25TH                   | 50TH    | 75TH    | 80TH    | 90TH    | 95TH    | 98TH    | 99TH    |         |              |
| DIBS   | HG LKSD  | PPB   | 250 | 30.000       | 110.000                | 150.000 | 190.000 | 190.000 | 240.000 | 300.000 | 400.000 | 700.000 | 710.000 |              |
| SMRK   | HG LKSD  | PPB   | 92  | 30.000       | 70.000                 | 90.000  | 130.000 | 130.000 | 170.000 | 190.000 | 280.000 | 320.000 | 320.000 |              |
| ARGL   | HG LKSD  | PPB   | 29  | 50.000       | 120.000                | 160.000 | 240.000 | 270.000 | 300.000 | 460.000 | 460.000 | 460.000 | 460.000 |              |
| CHRT   | HG LKSD  | PPB   | 2   | 90.000       | 90.000                 | 90.000  | 90.000  | 90.000  | 90.000  | 90.000  | 90.000  | 90.000  | 90.000  |              |
| GRNT   | HG LKSD  | PPB   | 66  | 30.000       | 90.000                 | 110.000 | 140.000 | 140.000 | 160.000 | 180.000 | 210.000 | 210.000 | 210.000 |              |
| GRNG   | HG LKSD  | PPB   | 282 | 20.000       | 90.000                 | 120.000 | 150.000 | 160.000 | 170.000 | 190.000 | 210.000 | 230.000 | 240.000 |              |
| UMFC   | HG LKSD  | PPB   | 1   | 120.000      | 120.000                | 120.000 | 120.000 | 120.000 | 120.000 | 120.000 | 120.000 | 120.000 | 120.000 |              |
| CGLM   | HG LKSD  | PPB   | 24  | 70.000       | 110.000                | 120.000 | 170.000 | 180.000 | 210.000 | 250.000 | 250.000 | 250.000 | 250.000 |              |
| GRCK   | HG LKSD  | PPB   | 45  | 50.000       | 100.000                | 120.000 | 150.000 | 150.000 | 190.000 | 230.000 | 230.000 | 230.000 | 230.000 |              |
| BEXV   | HG LKSD  | PPB   | 8   | 50.000       | 120.000                | 120.000 | 180.000 | 180.000 | 290.000 | 290.000 | 290.000 | 290.000 | 290.000 |              |
| MVCC   | HG LKSD  | PPB   | 40  | 60.000       | 100.000                | 120.000 | 150.000 | 160.000 | 180.000 | 190.000 | 190.000 | 190.000 | 190.000 |              |
| UKNN   | HG LKSD  | PPB   | 73  | 40.000       | 110.000                | 140.000 | 170.000 | 170.000 | 200.000 | 210.000 | 270.000 | 270.000 | 270.000 |              |

| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| LOI LKSD      | PCT                 | DIBS        |

| HISTOGRAM |     |       | SUMMARY STATISTICS |   |
|-----------|-----|-------|--------------------|---|
|           | N   | %     | CUM %              |   |
| 1000 PPM  | 4   | 1.58  | 1.58               | TOTAL NUMBER OF SAMPLES 253             |
| 2000 PPM  |     |       |                    | NUMBER OF ZERO VALUE SAMPLES 4          |
| 5000 PPM  |     |       |                    | NUMBER OF NON-ZERO SAMPLES 249          |
| 1 PCT     | 1   | .40   | 1.98               | ARITHMETIC MEAN 38.8880                 |
| 2 PCT     | 4   | 1.58  | 3.56               | VARIANCE 218.7492                       |
| 5 PCT     | 10  | 3.95  | 7.51               | STANDARD DEVIATION 14.7902              |
| 10 PCT    | 19  | 7.51  | 15.02              | SKEW -.3964                             |
| 20 PCT    | 160 | 63.24 | 78.26              | EXCESS KURTOSIS .3972                   |
| 50 PCT    | 55  | 21.74 | 100.00             | COEFFICIENT OF VARIANCE, % 38.0328      |
|           |     |       |                    | STANDARD ERROR OF THE MEAN .9373        |
|           |     |       |                    | LOWER 95% LIMIT ON THE MEAN 37.0415     |
|           |     |       |                    | UPPER 95% LIMIT ON THE MEAN 40.7344     |
|           |     |       |                    | LOWER 95% LIMIT ON THE RANGE 9.7507     |
|           |     |       |                    | UPPER 95% LIMIT ON THE RANGE 68.0252    |
|           |     |       |                    | GEOMETRIC MEAN 34.3551                  |
|           |     |       |                    | LOG10 MEAN 1.5360                       |
|           |     |       |                    | LOG10 VARIANCE .0686                    |
|           |     |       |                    | LOG10 STANDARD DEVIATION .2619          |
|           |     |       |                    | STANDARD ERROR ON THE MEAN .0166        |
|           |     |       |                    | LOWER 95% LIMIT ON THE MEAN 31.8638     |
|           |     |       |                    | UPPER 95% LIMIT ON THE MEAN 37.0412     |
|           |     |       |                    | LOWER 95% LIMIT ON THE RANGE 10.4735    |
|           |     |       |                    | UPPER 95% LIMIT ON THE RANGE 112.6914   |
|           |     |       |                    | MINIMUM VALUE 2.0000                    |
|           |     |       |                    | 25TH PERCENTILE OR 1ST QUARTILE 31.2000 |
|           |     |       |                    | 50TH PERCENTILE OR MEDIAN 40.8000       |
|           |     |       |                    | 75TH PERCENTILE OR 3RD QUARTILE 49.0000 |
|           |     |       |                    | 80TH PERCENTILE 50.8000                 |
|           |     |       |                    | 90TH PERCENTILE 54.0000                 |
|           |     |       |                    | 95TH PERCENTILE 60.2000                 |
|           |     |       |                    | 98TH PERCENTILE 65.0000                 |
|           |     |       |                    | 99TH PERCENTILE 80.2000                 |
|           |     |       |                    | MAXIMUM VALUE 86.6000                   |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 LOI LKSD                      PCT                      SMRK

HISTOGRAM

SUMMARY STATISTICS

|                                | N  | %     | CUM %  |                                 |
|--------------------------------|----|-------|--------|---------------------------------|
| **      *      *      *      * |    |       |        | TOTAL NUMBER OF SAMPLES         |
|                                |    |       |        | NUMBER OF ZERO VALUE SAMPLES    |
| 1000 PPM *                     |    |       |        | NUMBER OF NON-ZERO SAMPLES      |
| 2000 PPM *                     |    |       |        |                                 |
| 5000 PPM *                     |    |       |        | ARITHMETIC MEAN                 |
| 1 PCT *                        |    |       |        | VARIANCE                        |
| 2 PCT *                        | 1  | 1.06  | 1.06   | STANDARD DEVIATION              |
| 5 PCT *                        | 1  | 1.06  | 2.13   | SKEW                            |
| 10 PCT *                       | 6  | 6.38  | 8.51   | EXCESS KURTOSIS                 |
| 20 PCT *                       | 8  | 8.51  | 17.02  | COEFFICIENT OF VARIANCE, %      |
| 50 PCT *                       | 34 | 36.17 | 53.19  | STANDARD ERROR OF THE MEAN      |
|                                | 44 | 46.81 | 100.00 | LOWER 95% LIMIT ON THE MEAN     |
|                                |    |       |        | UPPER 95% LIMIT ON THE MEAN     |
|                                |    |       |        | LOWER 95% LIMIT ON THE RANGE    |
|                                |    |       |        | UPPER 95% LIMIT ON THE RANGE    |
|                                |    |       |        | GEOMETRIC MEAN                  |
|                                |    |       |        | LOG10 MEAN                      |
|                                |    |       |        | LOG10 VARIANCE                  |
|                                |    |       |        | LOG10 STANDARD DEVIATION        |
|                                |    |       |        | STANDARD ERROR ON THE MEAN      |
|                                |    |       |        | LOWER 95% LIMIT ON THE MEAN     |
|                                |    |       |        | UPPER 95% LIMIT ON THE MEAN     |
|                                |    |       |        | LOWER 95% LIMIT ON THE RANGE    |
|                                |    |       |        | UPPER 95% LIMIT ON THE RANGE    |
|                                |    |       |        | MINIMUM VALUE                   |
|                                |    |       |        | 25TH PERCENTILE OR 1ST QUARTILE |
|                                |    |       |        | 50TH PERCENTILE OR MEDIAN       |
|                                |    |       |        | 75TH PERCENTILE OR 3RD QUARTILE |
|                                |    |       |        | 80TH PERCENTILE                 |
|                                |    |       |        | 90TH PERCENTILE                 |
|                                |    |       |        | 95TH PERCENTILE                 |
|                                |    |       |        | 98TH PERCENTILE                 |
|                                |    |       |        | 99TH PERCENTILE                 |
|                                |    |       |        | MAXIMUM VALUE                   |



VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 LOI LKSD                      PCT                      ARGL

HISTOGRAM

SUMMARY STATISTICS

|  | N  | %     | CUM %  |                                 |
|--|----|-------|--------|---------------------------------|
| **                      *                      *                      *                      *                             |    |       |        | TOTAL NUMBER OF SAMPLES         |
|  |    |       |        | NUMBER OF ZERO VALUE SAMPLES    |
| 1000 PPM *   |    |       |        | NUMBER OF NON-ZERO SAMPLES      |
| 2000 PPM *   |    |       |        |                                 |
| 5000 PPM *   |    |       |        | ARITHMETIC MEAN                 |
| 1 PCT *  |    |       |        | VARIANCE                        |
| 2 PCT *  |    |       |        | STANDARD DEVIATION              |
| 5 PCT *  |    |       |        | SKEW                            |
| XXX  |    |       |        | EXCESS KURTOSIS                 |
| 10 PCT *   | 2  | 6.90  | 6.90   | COEFFICIENT OF VARIANCE, %      |
| XXX  |    |       |        | STANDARD ERROR OF THE MEAN      |
| 20 PCT *   | 2  | 6.90  | 13.79  | LOWER 95% LIMIT ON THE MEAN     |
| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX   |    |       |        | UPPER 95% LIMIT ON THE MEAN     |
| 50 PCT *   | 19 | 65.52 | 79.31  | LOWER 95% LIMIT ON THE RANGE    |
| XXXXXXXXXX   |    |       |        | UPPER 95% LIMIT ON THE RANGE    |
| **                      *                      *                      *                      *                             | 6  | 20.69 | 100.00 |                                 |
| 0                      20                      40                      60                      80                      100 |    |       |        | GEOMETRIC MEAN                  |
|  |    |       |        | LOG10 MEAN                      |
|  |    |       |        | LOG10 VARIANCE                  |
|  |    |       |        | LOG10 STANDARD DEVIATION        |
|  |    |       |        | STANDARD ERROR ON THE MEAN      |
|  |    |       |        | LOWER 95% LIMIT ON THE MEAN     |
|  |    |       |        | UPPER 95% LIMIT ON THE MEAN     |
|  |    |       |        | LOWER 95% LIMIT ON THE RANGE    |
|  |    |       |        | UPPER 95% LIMIT ON THE RANGE    |
|  |    |       |        | MINIMUM VALUE                   |
|  |    |       |        | 25TH PERCENTILE OR 1ST QUARTILE |
|  |    |       |        | 50TH PERCENTILE OR MEDIAN       |
|  |    |       |        | 75TH PERCENTILE OR 3RD QUARTILE |
|  |    |       |        | 80TH PERCENTILE                 |
|  |    |       |        | 90TH PERCENTILE                 |
|  |    |       |        | 95TH PERCENTILE                 |
|  |    |       |        | 98TH PERCENTILE                 |
|  |    |       |        | 99TH PERCENTILE                 |
|  |    |       |        | MAXIMUM VALUE                   |

| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| LOI LKSD      | PCT                 | CHRT        |

SUMMARY STATISTICS

|                              |   |
|------------------------------|---|
| TOTAL NUMBER OF SAMPLES      | 2 |
| NUMBER OF ZERO VALUE SAMPLES | 0 |
| NUMBER OF NON-ZERO SAMPLES   | 2 |

|                    |          |
|--------------------|----------|
| ARITHMETIC MEAN    | 47.8000  |
| VARIANCE           | 169.2800 |
| STANDARD DEVIATION | 13.0108  |
| SKEW               | -.0000   |
| EXCESS KURTOSIS    | -2.0000  |

|                            |         |
|----------------------------|---------|
| COEFFICIENT OF VARIANCE, % | 27.2192 |
|----------------------------|---------|

|                             |         |
|-----------------------------|---------|
| STANDARD ERROR OF THE MEAN  | 9.2000  |
| LOWER 95% LIMIT ON THE MEAN | 8.2124  |
| UPPER 95% LIMIT ON THE MEAN | 87.3876 |

|                              |          |
|------------------------------|----------|
| LOWER 95% LIMIT ON THE RANGE | -8.1853  |
| UPPER 95% LIMIT ON THE RANGE | 103.7853 |

|                          |         |
|--------------------------|---------|
| GEOMETRIC MEAN           | 46.9063 |
| LOG10 MEAN               | 1.6712  |
| LOG10 VARIANCE           | .0143   |
| LOG10 STANDARD DEVIATION | .1197   |

|                             |          |
|-----------------------------|----------|
| STANDARD ERROR ON THE MEAN  | .0846    |
| LOWER 95% LIMIT ON THE MEAN | 20.2772  |
| UPPER 95% LIMIT ON THE MEAN | 108.5059 |

|                              |          |
|------------------------------|----------|
| LOWER 95% LIMIT ON THE RANGE | 14.3266  |
| UPPER 95% LIMIT ON THE RANGE | 153.5745 |

|                                 |         |
|---------------------------------|---------|
| MINIMUM VALUE                   | 38.6000 |
| 25TH PERCENTILE OR 1ST QUARTILE | 38.6000 |
| 50TH PERCENTILE OR MEDIAN       | 57.0000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 57.0000 |
| 80TH PERCENTILE                 | 57.0000 |
| 90TH PERCENTILE                 | 57.0000 |
| 95TH PERCENTILE                 | 57.0000 |
| 98TH PERCENTILE                 | 57.0000 |
| 99TH PERCENTILE                 | 57.0000 |
| MAXIMUM VALUE                   | 57.0000 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 LOI LKSD                      PCT                      GRNT

| HISTOGRAM  |                              |    |    |    |     | SUMMARY STATISTICS |                                 |          |
|------------|------------------------------|----|----|----|-----|--------------------|---------------------------------|----------|
|            |                              |    |    | N  | %   | CUM %              |                                 |          |
| **         | *                            | *  | *  | *  | *   |                    | TOTAL NUMBER OF SAMPLES         | 66       |
|            |                              |    |    |    |     |                    | NUMBER OF ZERO VALUE SAMPLES    | 0        |
| 1000 PPM * |                              |    |    |    |     |                    | NUMBER OF NON-ZERO SAMPLES      | 66       |
| 2000 PPM * |                              |    |    |    |     |                    |                                 |          |
| 5000 PPM * |                              |    |    |    |     |                    | ARITHMETIC MEAN                 | 40.5152  |
| 1 PCT *    |                              |    |    |    |     |                    | VARIANCE                        | 297.9902 |
| 2 PCT *    |                              |    |    |    |     |                    | STANDARD DEVIATION              | 17.2624  |
| 5 PCT *    | XXX                          |    |    | *  | 4   | 6.06               | SKEW                            | -.7607   |
| 10 PCT *   | XX                           |    |    | *  | 3   | 4.55               | EXCESS KURTOSIS                 | -.2189   |
| 20 PCT *   | XX                           |    |    | *  | 3   | 4.55               | COEFFICIENT OF VARIANCE, %      | 42.6073  |
| 50 PCT *   | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    | *  | 33  | 50.00              | STANDARD ERROR OF THE MEAN      | 2.1249   |
|            | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    | *  | 23  | 34.85              | LOWER 95% LIMIT ON THE MEAN     | 36.2722  |
| **         | *                            | *  | *  | *  | *   |                    | UPPER 95% LIMIT ON THE MEAN     | 44.7581  |
| 0          | 20                           | 40 | 60 | 80 | 100 |                    | LOWER 95% LIMIT ON THE RANGE    | 6.0456   |
|            |                              |    |    |    |     |                    | UPPER 95% LIMIT ON THE RANGE    | 74.9847  |
|            |                              |    |    |    |     |                    | GEOMETRIC MEAN                  | 33.4788  |
|            |                              |    |    |    |     |                    | LOG10 MEAN                      | 1.5248   |
|            |                              |    |    |    |     |                    | LOG10 VARIANCE                  | .1157    |
|            |                              |    |    |    |     |                    | LOG10 STANDARD DEVIATION        | .3401    |
|            |                              |    |    |    |     |                    | STANDARD ERROR ON THE MEAN      | .0419    |
|            |                              |    |    |    |     |                    | LOWER 95% LIMIT ON THE MEAN     | 27.6172  |
|            |                              |    |    |    |     |                    | UPPER 95% LIMIT ON THE MEAN     | 40.5846  |
|            |                              |    |    |    |     |                    | LOWER 95% LIMIT ON THE RANGE    | 7.0093   |
|            |                              |    |    |    |     |                    | UPPER 95% LIMIT ON THE RANGE    | 159.9070 |
|            |                              |    |    |    |     |                    | MINIMUM VALUE                   | 2.8000   |
|            |                              |    |    |    |     |                    | 25TH PERCENTILE OR 1ST QUARTILE | 32.6000  |
|            |                              |    |    |    |     |                    | 50TH PERCENTILE OR MEDIAN       | 43.6000  |
|            |                              |    |    |    |     |                    | 75TH PERCENTILE OR 3RD QUARTILE | 53.2000  |
|            |                              |    |    |    |     |                    | 80TH PERCENTILE                 | 55.4000  |
|            |                              |    |    |    |     |                    | 90TH PERCENTILE                 | 60.0000  |
|            |                              |    |    |    |     |                    | 95TH PERCENTILE                 | 64.0000  |
|            |                              |    |    |    |     |                    | 98TH PERCENTILE                 | 67.0000  |
|            |                              |    |    |    |     |                    | 99TH PERCENTILE                 | 67.0000  |
|            |                              |    |    |    |     |                    | MAXIMUM VALUE                   | 67.0000  |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 LOI LKSD                      PCT                      GRNG

HISTOGRAM

SUMMARY STATISTICS

|                              |    |    |    |    | N   | %   | CUM % |                                 |          |
|------------------------------|----|----|----|----|-----|-----|-------|---------------------------------|----------|
| **                           | *  | *  | *  | *  | *   |     |       | TOTAL NUMBER OF SAMPLES         | 284      |
| I                            |    |    |    |    | *   | 1   | .35   | NUMBER OF ZERO VALUE SAMPLES    | 1        |
| 1000 PPM *                   |    |    |    |    |     |     |       | NUMBER OF NON-ZERO SAMPLES      | 283      |
| 2000 PPM *                   |    |    |    |    | *   |     |       |                                 |          |
| 5000 PPM *                   |    |    |    |    | *   |     |       | ARITHMETIC MEAN                 | 41.0650  |
| 1 PCT *                      |    |    |    |    | *   |     |       | VARIANCE                        | 214.9087 |
| I                            |    |    |    |    | *   | 1   | .35   | STANDARD DEVIATION              | 14.6598  |
| 2 PCT *                      |    |    |    |    | *   |     |       | SKEW                            | -.3103   |
| I                            |    |    |    |    | *   | 2   | .70   | EXCESS KURTOSIS                 | .1773    |
| 5 PCT *                      |    |    |    |    | *   |     |       | COEFFICIENT OF VARIANCE, %      | 35.6989  |
| X                            |    |    |    |    | *   | 6   | 2.11  | STANDARD ERROR OF THE MEAN      | .8714    |
| 10 PCT *                     |    |    |    |    | *   | 20  | 7.04  | LOWER 95% LIMIT ON THE MEAN     | 39.3494  |
| XXXX                         |    |    |    |    | *   | 20  | 7.04  | UPPER 95% LIMIT ON THE MEAN     | 42.7806  |
| 20 PCT *                     |    |    |    |    | *   | 178 | 62.68 | LOWER 95% LIMIT ON THE RANGE    | 12.2046  |
| XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    |    | *   | 76  | 26.76 | UPPER 95% LIMIT ON THE RANGE    | 69.9254  |
| 50 PCT *                     |    |    |    |    | *   |     |       |                                 |          |
| XXXXXXXXXXXX                 |    |    |    |    |     |     |       | GEOMETRIC MEAN                  | 37.1406  |
| **                           | *  | *  | *  | *  | *   |     |       | LOG10 MEAN                      | 1.5698   |
| 0                            | 20 | 40 | 60 | 80 | 100 |     |       | LOG10 VARIANCE                  | .0539    |
|                              |    |    |    |    |     |     |       | LOG10 STANDARD DEVIATION        | .2322    |
|                              |    |    |    |    |     |     |       | STANDARD ERROR ON THE MEAN      | .0138    |
|                              |    |    |    |    |     |     |       | LOWER 95% LIMIT ON THE MEAN     | 34.8882  |
|                              |    |    |    |    |     |     |       | UPPER 95% LIMIT ON THE MEAN     | 39.5385  |
|                              |    |    |    |    |     |     |       | LOWER 95% LIMIT ON THE RANGE    | 12.9648  |
|                              |    |    |    |    |     |     |       | UPPER 95% LIMIT ON THE RANGE    | 106.3981 |
|                              |    |    |    |    |     |     |       | MINIMUM VALUE                   | 1.6000   |
|                              |    |    |    |    |     |     |       | 25TH PERCENTILE OR 1ST QUARTILE | 33.8000  |
|                              |    |    |    |    |     |     |       | 50TH PERCENTILE OR MEDIAN       | 41.8000  |
|                              |    |    |    |    |     |     |       | 75TH PERCENTILE OR 3RD QUARTILE | 51.0000  |
|                              |    |    |    |    |     |     |       | 80TH PERCENTILE                 | 52.8000  |
|                              |    |    |    |    |     |     |       | 90TH PERCENTILE                 | 59.0000  |
|                              |    |    |    |    |     |     |       | 95TH PERCENTILE                 | 64.4000  |
|                              |    |    |    |    |     |     |       | 98TH PERCENTILE                 | 70.6000  |
|                              |    |    |    |    |     |     |       | 99TH PERCENTILE                 | 74.8000  |
|                              |    |    |    |    |     |     |       | MAXIMUM VALUE                   | 79.4000  |

PERCENT

| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| LOI LKSD      | PCT                 | UMFC        |

SUMMARY STATISTICS

|                              |   |
|------------------------------|---|
| TOTAL NUMBER OF SAMPLES      | 1 |
| NUMBER OF ZERO VALUE SAMPLES | 0 |
| NUMBER OF NON-ZERO SAMPLES   | 1 |

|                    |         |
|--------------------|---------|
| ARITHMETIC MEAN    | 58.6000 |
| VARIANCE           | .0000   |
| STANDARD DEVIATION | .0000   |
| SKEW               | .0000   |
| EXCESS KURTOSIS    | .0000   |

|                            |       |
|----------------------------|-------|
| COEFFICIENT OF VARIANCE, % | .0000 |
|----------------------------|-------|

|                             |         |
|-----------------------------|---------|
| STANDARD ERROR OF THE MEAN  | .0000   |
| LOWER 95% LIMIT ON THE MEAN | 58.6000 |
| UPPER 95% LIMIT ON THE MEAN | 58.6000 |

|                              |         |
|------------------------------|---------|
| LOWER 95% LIMIT ON THE RANGE | 58.6000 |
| UPPER 95% LIMIT ON THE RANGE | 58.6000 |

|                          |         |
|--------------------------|---------|
| GEOMETRIC MEAN           | 58.6000 |
| LOG10 MEAN               | 1.7679  |
| LOG10 VARIANCE           | .0000   |
| LOG10 STANDARD DEVIATION | .0000   |

|                             |         |
|-----------------------------|---------|
| STANDARD ERROR ON THE MEAN  | .0000   |
| LOWER 95% LIMIT ON THE MEAN | 58.6000 |
| UPPER 95% LIMIT ON THE MEAN | 58.6000 |

|                              |         |
|------------------------------|---------|
| LOWER 95% LIMIT ON THE RANGE | 58.6000 |
| UPPER 95% LIMIT ON THE RANGE | 58.6000 |

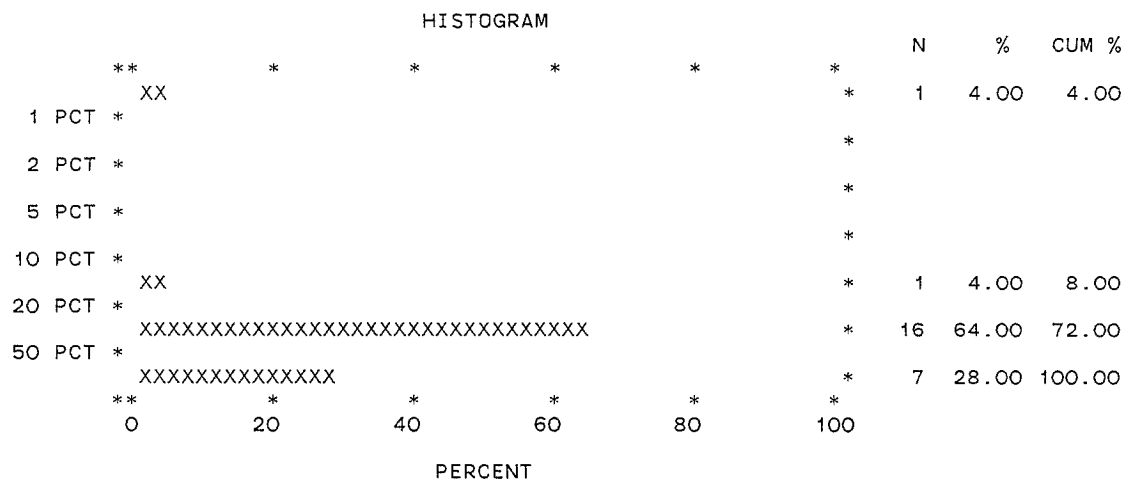
|                                 |         |
|---------------------------------|---------|
| MINIMUM VALUE                   | 58.6000 |
| 25TH PERCENTILE OR 1ST QUARTILE | 58.6000 |
| 50TH PERCENTILE OR MEDIAN       | 58.6000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 58.6000 |
| 80TH PERCENTILE                 | 58.6000 |
| 90TH PERCENTILE                 | 58.6000 |
| 95TH PERCENTILE                 | 58.6000 |
| 98TH PERCENTILE                 | 58.6000 |
| 99TH PERCENTILE                 | 58.6000 |
| MAXIMUM VALUE                   | 58.6000 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 LOI LKSD                      PCT                      CGLM



SUMMARY STATISTICS

|                                 |          |
|---------------------------------|----------|
| TOTAL NUMBER OF SAMPLES         | 25       |
| NUMBER OF ZERO VALUE SAMPLES    | 1        |
| NUMBER OF NON-ZERO SAMPLES      | 24       |
| ARITHMETIC MEAN                 | 41.1250  |
| VARIANCE                        | 152.0480 |
| STANDARD DEVIATION              | 12.3308  |
| SKEW                            | -.0985   |
| EXCESS KURTOSIS                 | -.8526   |
| COEFFICIENT OF VARIANCE, %      | 29.9837  |
| STANDARD ERROR OF THE MEAN      | 2.5170   |
| LOWER 95% LIMIT ON THE MEAN     | 35.9299  |
| UPPER 95% LIMIT ON THE MEAN     | 46.3201  |
| LOWER 95% LIMIT ON THE RANGE    | 15.6743  |
| UPPER 95% LIMIT ON THE RANGE    | 66.5757  |
| GEOMETRIC MEAN                  | 39.1522  |
| LOG10 MEAN                      | 1.5928   |
| LOG10 VARIANCE                  | .0210    |
| LOG10 STANDARD DEVIATION        | .1449    |
| STANDARD ERROR ON THE MEAN      | .0296    |
| LOWER 95% LIMIT ON THE MEAN     | 34.0183  |
| UPPER 95% LIMIT ON THE MEAN     | 45.0608  |
| LOWER 95% LIMIT ON THE RANGE    | 19.6656  |
| UPPER 95% LIMIT ON THE RANGE    | 77.9480  |
| MINIMUM VALUE                   | 18.0000  |
| 25TH PERCENTILE OR 1ST QUARTILE | 32.8000  |
| 50TH PERCENTILE OR MEDIAN       | 40.2000  |
| 75TH PERCENTILE OR 3RD QUARTILE | 53.2000  |
| 80TH PERCENTILE                 | 55.2000  |
| 90TH PERCENTILE                 | 59.6000  |
| 95TH PERCENTILE                 | 60.6000  |
| 98TH PERCENTILE                 | 60.6000  |
| 99TH PERCENTILE                 | 60.6000  |
| MAXIMUM VALUE                   | 60.6000  |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 LOI LKSD                      PCT                      GRCK

| HISTOGRAM |  |    |    |    |      |       | SUMMARY STATISTICS              |          |
|-----------|--|----|----|----|------|-------|---------------------------------|----------|
|           |  |    |    | N  | %    | CUM % |                                 |          |
|           | **   | *  | *  | *  | *    |       | TOTAL NUMBER OF SAMPLES         | 45       |
| 1 PCT     | *  |    |    |    |      |       | NUMBER OF ZERO VALUE SAMPLES    | 0        |
| 2 PCT     | *  |    |    |    |      |       | NUMBER OF NON-ZERO SAMPLES      | 45       |
| 5 PCT     | *  |    |    |    |      |       | ARITHMETIC MEAN                 | 41.2711  |
| 10 PCT    | *  |    |    |    |      |       | VARIANCE                        | 106.1457 |
| 20 PCT    | XXX  |    |    |    |      |       | STANDARD DEVIATION              | 10.3027  |
| 50 PCT    | XX |    |    | 3  | 6.67 | 6.67  | SKEW                            | -.3183   |
|           | XXXXXXXXXX                                   |    |    |    |      |       | EXCESS KURTOSIS                 | 1.5367   |
|           | **   | *  | *  | *  | *    |       | COEFFICIENT OF VARIANCE, %      | 24.9635  |
|           | 0  | 20 | 40 | 60 | 80   | 100   | STANDARD ERROR OF THE MEAN      | 1.5358   |
|           |  |    |    |    |      |       | LOWER 95% LIMIT ON THE MEAN     | 38.1772  |
|           |  |    |    |    |      |       | UPPER 95% LIMIT ON THE MEAN     | 44.3651  |
|           |  |    |    |    |      |       | LOWER 95% LIMIT ON THE RANGE    | 20.5163  |
|           |  |    |    |    |      |       | UPPER 95% LIMIT ON THE RANGE    | 62.0259  |
|           |  |    |    |    |      |       | GEOMETRIC MEAN                  | 39.7076  |
|           |  |    |    |    |      |       | LOG10 MEAN                      | 1.5989   |
|           |  |    |    |    |      |       | LOG10 VARIANCE                  | .0175    |
|           |  |    |    |    |      |       | LOG10 STANDARD DEVIATION        | .1324    |
|           |  |    |    |    |      |       | STANDARD ERROR ON THE MEAN      | .0197    |
|           |  |    |    |    |      |       | LOWER 95% LIMIT ON THE MEAN     | 36.2327  |
|           |  |    |    |    |      |       | UPPER 95% LIMIT ON THE MEAN     | 43.5157  |
|           |  |    |    |    |      |       | LOWER 95% LIMIT ON THE RANGE    | 21.4819  |
|           |  |    |    |    |      |       | UPPER 95% LIMIT ON THE RANGE    | 73.3964  |
|           |  |    |    |    |      |       | MINIMUM VALUE                   | 11.8000  |
|           |  |    |    |    |      |       | 25TH PERCENTILE OR 1ST QUARTILE | 36.2000  |
|           |  |    |    |    |      |       | 50TH PERCENTILE OR MEDIAN       | 42.2000  |
|           |  |    |    |    |      |       | 75TH PERCENTILE OR 3RD QUARTILE | 47.2000  |
|           |  |    |    |    |      |       | 80TH PERCENTILE                 | 48.0000  |
|           |  |    |    |    |      |       | 90TH PERCENTILE                 | 51.0000  |
|           |  |    |    |    |      |       | 95TH PERCENTILE                 | 57.8000  |
|           |  |    |    |    |      |       | 98TH PERCENTILE                 | 70.4000  |
|           |  |    |    |    |      |       | 99TH PERCENTILE                 | 70.4000  |
|           |  |    |    |    |      |       | MAXIMUM VALUE                   | 70.4000  |

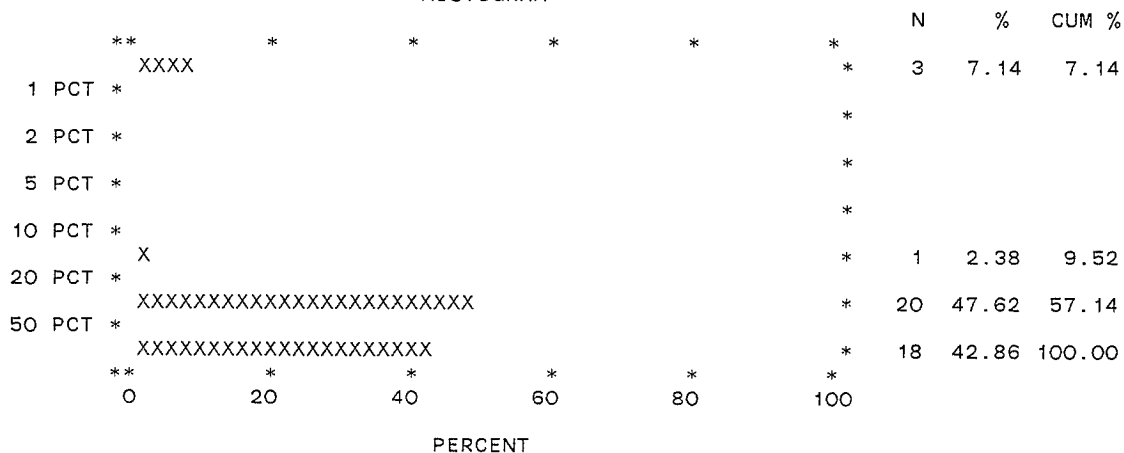
VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 LOI LKSD                      PCT                      BEXV

| HISTOGRAM |  |    |    |    |    | SUMMARY STATISTICS |        |        |                                 |         |
|-----------|--|----|----|----|----|--------------------|--------|--------|---------------------------------|---------|
|           | **   | *  | *  | *  | *  | N                  | %      | CUM %  |                                 |         |
| 1 PCT *   |  |    |    |    |    |                    |        |        | TOTAL NUMBER OF SAMPLES         | 8       |
| 2 PCT *   |  |    |    |    |    |                    |        |        | NUMBER OF ZERO VALUE SAMPLES    | 0       |
| 5 PCT *   |  |    |    |    |    |                    |        |        | NUMBER OF NON-ZERO SAMPLES      | 8       |
| 10 PCT *  |  |    |    |    |    |                    |        |        | ARITHMETIC MEAN                 | 42.5000 |
| 20 PCT *  |  |    |    |    |    |                    |        |        | VARIANCE                        | 27.8743 |
| 50 PCT *  |  |    |    |    |    |                    |        |        | STANDARD DEVIATION              | 5.2796  |
|           | XXX* |    |    |    |    | 8                  | 100.00 | 100.00 | SKEW                            | -.4976  |
|           |  |    |    |    |    |                    |        |        | EXCESS KURTOSIS                 | -.4550  |
|           | **   | *  | *  | *  | *  |                    |        |        | COEFFICIENT OF VARIANCE, %      | 12.4226 |
|           | 0  | 20 | 40 | 60 | 80 |                    |        |        | STANDARD ERROR OF THE MEAN      | 1.8666  |
|           |  |    |    |    |    |                    |        |        | LOWER 95% LIMIT ON THE MEAN     | 38.1956 |
|           |  |    |    |    |    |                    |        |        | UPPER 95% LIMIT ON THE MEAN     | 46.8044 |
|           |  |    |    |    |    |                    |        |        | LOWER 95% LIMIT ON THE RANGE    | 30.3252 |
|           |  |    |    |    |    |                    |        |        | UPPER 95% LIMIT ON THE RANGE    | 54.6748 |
|           |  |    |    |    |    |                    |        |        | GEOMETRIC MEAN                  | 42.1975 |
|           |  |    |    |    |    |                    |        |        | LOG10 MEAN                      | 1.6253  |
|           |  |    |    |    |    |                    |        |        | LOG10 VARIANCE                  | .0032   |
|           |  |    |    |    |    |                    |        |        | LOG10 STANDARD DEVIATION        | .0563   |
|           |  |    |    |    |    |                    |        |        | STANDARD ERROR ON THE MEAN      | .0199   |
|           |  |    |    |    |    |                    |        |        | LOWER 95% LIMIT ON THE MEAN     | 37.9621 |
|           |  |    |    |    |    |                    |        |        | UPPER 95% LIMIT ON THE MEAN     | 46.9053 |
|           |  |    |    |    |    |                    |        |        | LOWER 95% LIMIT ON THE RANGE    | 31.2868 |
|           |  |    |    |    |    |                    |        |        | UPPER 95% LIMIT ON THE RANGE    | 56.9131 |
|           |  |    |    |    |    |                    |        |        | MINIMUM VALUE                   | 32.8000 |
|           |  |    |    |    |    |                    |        |        | 25TH PERCENTILE OR 1ST QUARTILE | 40.4000 |
|           |  |    |    |    |    |                    |        |        | 50TH PERCENTILE OR MEDIAN       | 44.6000 |
|           |  |    |    |    |    |                    |        |        | 75TH PERCENTILE OR 3RD QUARTILE | 47.2000 |
|           |  |    |    |    |    |                    |        |        | 80TH PERCENTILE                 | 47.2000 |
|           |  |    |    |    |    |                    |        |        | 90TH PERCENTILE                 | 49.6000 |
|           |  |    |    |    |    |                    |        |        | 95TH PERCENTILE                 | 49.6000 |
|           |  |    |    |    |    |                    |        |        | 98TH PERCENTILE                 | 49.6000 |
|           |  |    |    |    |    |                    |        |        | 99TH PERCENTILE                 | 49.6000 |
|           |  |    |    |    |    |                    |        |        | MAXIMUM VALUE                   | 49.6000 |



VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 LOI LKSD                      PCT                      MVCC

HISTOGRAM



SUMMARY STATISTICS

| Statistic                       | Value    |
|---------------------------------|----------|
| TOTAL NUMBER OF SAMPLES         | 42       |
| NUMBER OF ZERO VALUE SAMPLES    | 3        |
| NUMBER OF NON-ZERO SAMPLES      | 39       |
| ARITHMETIC MEAN                 | 48.4154  |
| VARIANCE                        | 155.7082 |
| STANDARD DEVIATION              | 12.4783  |
| SKEW                            | -.0277   |
| EXCESS KURTOSIS                 | -.2992   |
| COEFFICIENT OF VARIANCE, %      | 25.7734  |
| STANDARD ERROR OF THE MEAN      | 1.9981   |
| LOWER 95% LIMIT ON THE MEAN     | 44.3730  |
| UPPER 95% LIMIT ON THE MEAN     | 52.4578  |
| LOWER 95% LIMIT ON THE RANGE    | 23.1705  |
| UPPER 95% LIMIT ON THE RANGE    | 73.6603  |
| GEOMETRIC MEAN                  | 46.6918  |
| LOG10 MEAN                      | 1.6692   |
| LOG10 VARIANCE                  | .0152    |
| LOG10 STANDARD DEVIATION        | .1233    |
| STANDARD ERROR ON THE MEAN      | .0197    |
| LOWER 95% LIMIT ON THE MEAN     | 42.5897  |
| UPPER 95% LIMIT ON THE MEAN     | 51.1890  |
| LOWER 95% LIMIT ON THE RANGE    | 26.2931  |
| UPPER 95% LIMIT ON THE RANGE    | 82.9163  |
| MINIMUM VALUE                   | 18.4000  |
| 25TH PERCENTILE OR 1ST QUARTILE | 40.8000  |
| 50TH PERCENTILE OR MEDIAN       | 46.0000  |
| 75TH PERCENTILE OR 3RD QUARTILE | 58.2000  |
| 80TH PERCENTILE                 | 59.8000  |
| 90TH PERCENTILE                 | 65.4000  |
| 95TH PERCENTILE                 | 73.4000  |
| 98TH PERCENTILE                 | 74.2000  |
| 99TH PERCENTILE                 | 74.2000  |
| MAXIMUM VALUE                   | 74.2000  |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 LOI LKSD                      PCT                      UKNN

HISTOGRAM

SUMMARY STATISTICS

|  | N  | %     | CUM %  |                                 |          |
|--|----|-------|--------|---------------------------------|----------|
| **                      *                      *                      *                      *                             |    |       |        | TOTAL NUMBER OF SAMPLES         | 73       |
|  |    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0        |
| 1000 PPM *   |    |       |        | NUMBER OF NON-ZERO SAMPLES      | 73       |
|  |    |       |        | ARITHMETIC MEAN                 | 44.1507  |
| 2000 PPM *   |    |       |        | VARIANCE                        | 121.9842 |
|  |    |       |        | STANDARD DEVIATION              | 11.0446  |
| 5000 PPM *   |    |       |        | SKEW                            | -.5372   |
| 1 PCT *  |    |       |        | EXCESS KURTOSIS                 | 1.1011   |
| 2 PCT *  |    |       |        | COEFFICIENT OF VARIANCE, %      | 25.0158  |
| 5 PCT *  |    |       |        | STANDARD ERROR OF THE MEAN      | 1.2927   |
| X  | 1  | 1.37  | 1.37   | LOWER 95% LIMIT ON THE MEAN     | 41.5743  |
| 10 PCT *   |    |       |        | UPPER 95% LIMIT ON THE MEAN     | 46.7271  |
| X  | 1  | 1.37  | 2.74   | LOWER 95% LIMIT ON THE RANGE    | 22.1380  |
| 20 PCT *   |    |       |        | UPPER 95% LIMIT ON THE RANGE    | 66.1634  |
| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX   | 50 | 68.49 | 71.23  |                                 |          |
| 50 PCT *   |    |       |        |                                 |          |
| XXXXXXXXXXXXXXXXXXXX   | 21 | 28.77 | 100.00 |                                 |          |
| **                      *                      *                      *                      *                             |    |       |        | GEOMETRIC MEAN                  | 42.3274  |
| 0                      20                      40                      60                      80                      100 |    |       |        | LOG10 MEAN                      | 1.6266   |
|  |    |       |        | LOG10 VARIANCE                  | .0201    |
|  |    |       |        | LOG10 STANDARD DEVIATION        | .1418    |
|  |    |       |        | STANDARD ERROR ON THE MEAN      | .0166    |
|  |    |       |        | LOWER 95% LIMIT ON THE MEAN     | 39.2225  |
|  |    |       |        | UPPER 95% LIMIT ON THE MEAN     | 45.6780  |
|  |    |       |        | LOWER 95% LIMIT ON THE RANGE    | 22.0768  |
|  |    |       |        | UPPER 95% LIMIT ON THE RANGE    | 81.1534  |
|  |    |       |        | MINIMUM VALUE                   | 9.2000   |
|  |    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 38.4000  |
|  |    |       |        | 50TH PERCENTILE OR MEDIAN       | 44.2000  |
|  |    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 52.0000  |
|  |    |       |        | 80TH PERCENTILE                 | 53.4000  |
|  |    |       |        | 90TH PERCENTILE                 | 59.8000  |
|  |    |       |        | 95TH PERCENTILE                 | 62.6000  |
|  |    |       |        | 98TH PERCENTILE                 | 67.6000  |
|  |    |       |        | 99TH PERCENTILE                 | 67.6000  |
|  |    |       |        | MAXIMUM VALUE                   | 67.6000  |

SUMMARY STATISTICS

| SUBSET | VARIABLE | UNITS | N   | ARITH<br>MEAN | STD<br>DEV | CV % | SKEW | EXCESS<br>KURT | 95% LIMITS<br>ON MEAN | GEOM<br>MEAN | LOG 10<br>MEAN | STD<br>DEV | 95% LIMITS<br>ON MEAN |
|--------|----------|-------|-----|---------------|------------|------|------|----------------|-----------------------|--------------|----------------|------------|-----------------------|
| DIBS   | LOI LKSD | PCT   | 249 | 38.9          | 14.8       | 38.0 | -.40 | .40            | 37.0 40.7             | 34.4         | 1.5360         | .2619      | 31.9 37.0             |
| SMRK   | LOI LKSD | PCT   | 94  | 45.9          | 21.5       | 46.8 | -.35 | -.79           | 41.5 50.3             | 37.8         | 1.5780         | .3305      | 32.4 44.2             |
| ARGL   | LOI LKSD | PCT   | 29  | 36.4          | 16.0       | 43.8 | -.02 | -.68           | 30.3 42.5             | 32.0         | 1.5051         | .2516      | 25.7 39.9             |
| CHRT   | LOI LKSD | PCT   | 2   | 47.8          | 13.0       | 27.2 | -.00 | -2.00          | 8.21 87.4             | 46.9         | 1.6712         | .1197      | 20.3 109.             |
| GRNT   | LOI LKSD | PCT   | 66  | 40.5          | 17.3       | 42.6 | -.76 | -.22           | 36.3 44.8             | 33.5         | 1.5248         | .3401      | 27.6 40.6             |
| GRNG   | LOI LKSD | PCT   | 283 | 41.1          | 14.7       | 35.7 | -.31 | .18            | 39.3 42.8             | 37.1         | 1.5698         | .2322      | 34.9 39.5             |
| UMFC   | LOI LKSD | PCT   | 1   | 58.6          | .100E-05   | .0   | .00  | .00            | 58.6 58.6             | 58.6         | 1.7679         | .0000      | 58.6 58.6             |
| CGLM   | LOI LKSD | PCT   | 24  | 41.1          | 12.3       | 30.0 | -.10 | -.85           | 35.9 46.3             | 39.2         | 1.5928         | .1449      | 34.0 45.1             |
| GRCK   | LOI LKSD | PCT   | 45  | 41.3          | 10.3       | 25.0 | -.32 | 1.54           | 38.2 44.4             | 39.7         | 1.5989         | .1324      | 36.2 43.5             |
| BEXV   | LOI LKSD | PCT   | 8   | 42.5          | 5.28       | 12.4 | -.50 | -.46           | 38.2 46.8             | 42.2         | 1.6253         | .0563      | 38.0 46.9             |
| MVCC   | LOI LKSD | PCT   | 39  | 48.4          | 12.5       | 25.8 | -.03 | -.30           | 44.4 52.5             | 46.7         | 1.6692         | .1233      | 42.6 51.2             |
| UKNN   | LOI LKSD | PCT   | 73  | 44.2          | 11.0       | 25.0 | -.54 | 1.10           | 41.6 46.7             | 42.3         | 1.6266         | .1418      | 39.2 45.7             |

| SUBSET | VARIABLE | UNITS | N   | MIN<br>VALUE | ----- PERCENTILE ----- |        |        |        |        |        |        |        |        | MAX<br>VALUE |
|--------|----------|-------|-----|--------------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
|        |          |       |     |              | 25TH                   | 50TH   | 75TH   | 80TH   | 90TH   | 95TH   | 98TH   | 99TH   |        |              |
| DIBS   | LOI LKSD | PCT   | 249 | 2.000        | 31.200                 | 40.800 | 49.000 | 50.800 | 54.000 | 60.200 | 65.000 | 80.200 | 86.600 |              |
| SMRK   | LOI LKSD | PCT   | 94  | 1.600        | 34.000                 | 47.600 | 63.000 | 64.400 | 75.600 | 76.600 | 79.400 | 87.200 | 87.200 |              |
| ARGL   | LOI LKSD | PCT   | 29  | 6.400        | 25.800                 | 34.600 | 49.800 | 53.600 | 57.600 | 66.000 | 66.000 | 66.000 | 66.000 |              |
| CHRT   | LOI LKSD | PCT   | 2   | 38.600       | 38.600                 | 57.000 | 57.000 | 57.000 | 57.000 | 57.000 | 57.000 | 57.000 | 57.000 |              |
| GRNT   | LOI LKSD | PCT   | 66  | 2.800        | 32.600                 | 43.600 | 53.200 | 55.400 | 60.000 | 64.000 | 67.000 | 67.000 | 67.000 |              |
| GRNG   | LOI LKSD | PCT   | 283 | 1.600        | 33.800                 | 41.800 | 51.000 | 52.800 | 59.000 | 64.400 | 70.600 | 74.800 | 79.400 |              |
| UMFC   | LOI LKSD | PCT   | 1   | 58.600       | 58.600                 | 58.600 | 58.600 | 58.600 | 58.600 | 58.600 | 58.600 | 58.600 | 58.600 |              |
| CGLM   | LOI LKSD | PCT   | 24  | 18.000       | 32.800                 | 40.200 | 53.200 | 55.200 | 59.600 | 60.600 | 60.600 | 60.600 | 60.600 |              |
| GRCK   | LOI LKSD | PCT   | 45  | 11.800       | 36.200                 | 42.200 | 47.200 | 48.000 | 51.000 | 57.800 | 70.400 | 70.400 | 70.400 |              |
| BEXV   | LOI LKSD | PCT   | 8   | 32.800       | 40.400                 | 44.600 | 47.200 | 47.200 | 49.600 | 49.600 | 49.600 | 49.600 | 49.600 |              |
| MVCC   | LOI LKSD | PCT   | 39  | 18.400       | 40.800                 | 46.000 | 58.200 | 59.800 | 65.400 | 73.400 | 74.200 | 74.200 | 74.200 |              |
| UKNN   | LOI LKSD | PCT   | 73  | 9.200        | 38.400                 | 44.200 | 52.000 | 53.400 | 59.800 | 62.600 | 67.600 | 67.600 | 67.600 |              |

| VARIABLE NAME      |                    | UNIT OF MEASUREMENT | DATA SUBSET                     |             |
|--------------------|--------------------|---------------------|---------------------------------|-------------|
| U                  | LKSD               | PPM                 | DIBS                            |             |
| HISTOGRAM          |                    |                     |                                 |             |
| **                 | *                  | *                   | *                               | *           |
| 1 PPB              | *                  | *                   | N                               | % CUM %     |
| 2 PPB              | *                  | *                   |                                 |             |
| 5 PPB              | *                  | *                   |                                 |             |
| 10 PPB             | *                  | *                   |                                 |             |
| 20 PPB             | *                  | *                   |                                 |             |
| 50 PPB             | *                  | *                   |                                 |             |
| 100 PPB            | I                  | *                   | 1                               | .40 .40     |
| 200 PPB            | I                  | *                   | 2                               | .79 1.19    |
| 500 PPB            | XXXX               | *                   | 20                              | 7.91 9.09   |
| 1 PPM              | XXXXXXXXXXXXXX     | *                   | 65                              | 25.69 34.78 |
| 2 PPM              | XXXXXXXXXXXXXXXXXX | *                   | 88                              | 34.78 69.57 |
| 5 PPM              | XXXXXXXXXXXX       | *                   | 55                              | 21.74 91.30 |
| 10 PPM             | XXX                | *                   | 13                              | 5.14 96.44  |
| 20 PPM             | X                  | *                   | 7                               | 2.77 99.21  |
| 50 PPM             | I                  | *                   | 2                               | .79 100.00  |
| 100 PPM            |                    | *                   |                                 |             |
| 200 PPM            |                    | *                   |                                 |             |
| 500 PPM            |                    | *                   |                                 |             |
| **                 | *                  | *                   | *                               | *           |
| 0                  | 20                 | 40                  | 60                              | 80 100      |
| PERCENT            |                    |                     |                                 |             |
| SUMMARY STATISTICS |                    |                     |                                 |             |
|                    |                    |                     | TOTAL NUMBER OF SAMPLES         | 253         |
|                    |                    |                     | NUMBER OF ZERO VALUE SAMPLES    | 0           |
|                    |                    |                     | NUMBER OF NON-ZERO SAMPLES      | 253         |
|                    |                    |                     | ARITHMETIC MEAN                 | 2.3253      |
|                    |                    |                     | VARIANCE                        | 9.2519      |
|                    |                    |                     | STANDARD DEVIATION              | 3.0417      |
|                    |                    |                     | SKEW                            | 4.1506      |
|                    |                    |                     | EXCESS KURTOSIS                 | 21.8877     |
|                    |                    |                     | COEFFICIENT OF VARIANCE, %      | 130.8088    |
|                    |                    |                     | STANDARD ERROR OF THE MEAN      | .1912       |
|                    |                    |                     | LOWER 95% LIMIT ON THE MEAN     | 1.9486      |
|                    |                    |                     | UPPER 95% LIMIT ON THE MEAN     | 2.7020      |
|                    |                    |                     | LOWER 95% LIMIT ON THE RANGE    | -3.6665     |
|                    |                    |                     | UPPER 95% LIMIT ON THE RANGE    | 8.3171      |
|                    |                    |                     | GEOMETRIC MEAN                  | 1.5150      |
|                    |                    |                     | LOG10 MEAN                      | .1804       |
|                    |                    |                     | LOG10 VARIANCE                  | .1407       |
|                    |                    |                     | LOG10 STANDARD DEVIATION        | .3752       |
|                    |                    |                     | STANDARD ERROR ON THE MEAN      | .0236       |
|                    |                    |                     | LOWER 95% LIMIT ON THE MEAN     | 1.3613      |
|                    |                    |                     | UPPER 95% LIMIT ON THE MEAN     | 1.6860      |
|                    |                    |                     | LOWER 95% LIMIT ON THE RANGE    | .2763       |
|                    |                    |                     | UPPER 95% LIMIT ON THE RANGE    | 8.3069      |
|                    |                    |                     | MINIMUM VALUE                   | .1000       |
|                    |                    |                     | 25TH PERCENTILE OR 1ST QUARTILE | .9000       |
|                    |                    |                     | 50TH PERCENTILE OR MEDIAN       | 1.4000      |
|                    |                    |                     | 75TH PERCENTILE OR 3RD QUARTILE | 2.5000      |
|                    |                    |                     | 80TH PERCENTILE                 | 2.9000      |
|                    |                    |                     | 90TH PERCENTILE                 | 4.7000      |
|                    |                    |                     | 95TH PERCENTILE                 | 7.6000      |
|                    |                    |                     | 98TH PERCENTILE                 | 11.8000     |
|                    |                    |                     | 99TH PERCENTILE                 | 18.9000     |
|                    |                    |                     | MAXIMUM VALUE                   | 24.2000     |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 U      LKSD                      PPM                      SMRK

HISTOGRAM

SUMMARY STATISTICS

|            | **                 | * | * | * | * | * | N  | %     | CUM %  |                                 |          |
|------------|--------------------|---|---|---|---|---|----|-------|--------|---------------------------------|----------|
|            |                    |   |   |   |   |   |    |       |        | TOTAL NUMBER OF SAMPLES         | 94       |
|            |                    |   |   |   |   |   |    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0        |
|            |                    |   |   |   |   |   |    |       |        | NUMBER OF NON-ZERO SAMPLES      | 94       |
| 10 PPB *   |                    |   |   |   |   |   |    |       |        |                                 |          |
| 20 PPB *   |                    |   |   |   |   |   |    |       |        |                                 |          |
| 50 PPB *   |                    |   |   |   |   |   |    |       |        | ARITHMETIC MEAN                 | 6.6394   |
| 100 PPB *  |                    |   |   |   |   |   |    |       |        | VARIANCE                        | 142.1043 |
| 200 PPB *  |                    |   |   |   |   |   |    |       |        | STANDARD DEVIATION              | 11.9208  |
| 500 PPB *  | XX                 |   |   |   |   |   | 3  | 3.19  | 3.19   | SKEW                            | 6.4001   |
| 1 PPM *    | XXX                |   |   |   |   |   | 5  | 5.32  | 8.51   | EXCESS KURTOSIS                 | 48.1560  |
| 2 PPM *    | XXXXXXXX           |   |   |   |   |   | 15 | 15.96 | 24.47  | COEFFICIENT OF VARIANCE, %      | 179.5467 |
| 5 PPM *    | XXXXXXXXXXXXXXXXXX |   |   |   |   |   | 32 | 34.04 | 58.51  | STANDARD ERROR OF THE MEAN      | 1.2295   |
| 10 PPM *   | XXXXXXXXXXXXXXXXXX |   |   |   |   |   | 26 | 27.66 | 86.17  | LOWER 95% LIMIT ON THE MEAN     | 4.1976   |
| 20 PPM *   | XXXXX              |   |   |   |   |   | 9  | 9.57  | 95.74  | UPPER 95% LIMIT ON THE MEAN     | 9.0811   |
| 50 PPM *   | XX                 |   |   |   |   |   | 3  | 3.19  | 98.94  | LOWER 95% LIMIT ON THE RANGE    | -17.0343 |
| 100 PPM *  |                    |   |   |   |   |   |    |       |        | UPPER 95% LIMIT ON THE RANGE    | 30.3130  |
| 200 PPM *  | X                  |   |   |   |   |   | 1  | 1.06  | 100.00 | GEOMETRIC MEAN                  | 3.8339   |
| 500 PPM *  |                    |   |   |   |   |   |    |       |        | LOG10 MEAN                      | .5836    |
| 1000 PPM * |                    |   |   |   |   |   |    |       |        | LOG10 VARIANCE                  | .1800    |
| 2000 PPM * |                    |   |   |   |   |   |    |       |        | LOG10 STANDARD DEVIATION        | .4243    |
| 5000 PPM * |                    |   |   |   |   |   |    |       |        | STANDARD ERROR ON THE MEAN      | .0438    |
|            |                    |   |   |   |   |   |    |       |        | LOWER 95% LIMIT ON THE MEAN     | 3.1386   |
|            |                    |   |   |   |   |   |    |       |        | UPPER 95% LIMIT ON THE MEAN     | 4.6833   |
|            |                    |   |   |   |   |   |    |       |        | LOWER 95% LIMIT ON THE RANGE    | .5508    |
|            |                    |   |   |   |   |   |    |       |        | UPPER 95% LIMIT ON THE RANGE    | 26.6844  |
|            |                    |   |   |   |   |   |    |       |        | MINIMUM VALUE                   | .4000    |
|            |                    |   |   |   |   |   |    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 2.1000   |
|            |                    |   |   |   |   |   |    |       |        | 50TH PERCENTILE OR MEDIAN       | 4.1000   |
|            |                    |   |   |   |   |   |    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 6.4000   |
|            |                    |   |   |   |   |   |    |       |        | 80TH PERCENTILE                 | 7.7000   |
|            |                    |   |   |   |   |   |    |       |        | 90TH PERCENTILE                 | 13.0000  |
|            |                    |   |   |   |   |   |    |       |        | 95TH PERCENTILE                 | 16.8000  |
|            |                    |   |   |   |   |   |    |       |        | 98TH PERCENTILE                 | 34.2000  |
|            |                    |   |   |   |   |   |    |       |        | 99TH PERCENTILE                 | 105.0000 |
|            |                    |   |   |   |   |   |    |       |        | MAXIMUM VALUE                   | 105.0000 |

PERCENT



|               |                     |             |
|---------------|---------------------|-------------|
| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
| U LKSD        | PPM                 | CHRT        |

SUMMARY STATISTICS

|                              |   |
|------------------------------|---|
| TOTAL NUMBER OF SAMPLES      | 2 |
| NUMBER OF ZERO VALUE SAMPLES | 0 |
| NUMBER OF NON-ZERO SAMPLES   | 2 |

|                    |         |
|--------------------|---------|
| ARITHMETIC MEAN    | 7.0500  |
| VARIANCE           | 55.1250 |
| STANDARD DEVIATION | 7.4246  |
| SKEW               | 0.0000  |
| EXCESS KURTOSIS    | -2.0000 |

|                            |          |
|----------------------------|----------|
| COEFFICIENT OF VARIANCE, % | 105.3138 |
|----------------------------|----------|

|                             |          |
|-----------------------------|----------|
| STANDARD ERROR OF THE MEAN  | 5.2500   |
| LOWER 95% LIMIT ON THE MEAN | -15.5408 |
| UPPER 95% LIMIT ON THE MEAN | 29.6408  |

|                              |          |
|------------------------------|----------|
| LOWER 95% LIMIT ON THE RANGE | -24.8981 |
| UPPER 95% LIMIT ON THE RANGE | 38.9981  |

|                          |        |
|--------------------------|--------|
| GEOMETRIC MEAN           | 4.7053 |
| LOG10 MEAN               | .6726  |
| LOG10 VARIANCE           | .3483  |
| LOG10 STANDARD DEVIATION | .5902  |

|                             |          |
|-----------------------------|----------|
| STANDARD ERROR ON THE MEAN  | .4173    |
| LOWER 95% LIMIT ON THE MEAN | .0753    |
| UPPER 95% LIMIT ON THE MEAN | 293.9685 |

|                              |           |
|------------------------------|-----------|
| LOWER 95% LIMIT ON THE RANGE | .0136     |
| UPPER 95% LIMIT ON THE RANGE | 1629.7056 |

|                                 |         |
|---------------------------------|---------|
| MINIMUM VALUE                   | 1.8000  |
| 25TH PERCENTILE OR 1ST QUARTILE | 1.8000  |
| 50TH PERCENTILE OR MEDIAN       | 12.3000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 12.3000 |
| 80TH PERCENTILE                 | 12.3000 |
| 90TH PERCENTILE                 | 12.3000 |
| 95TH PERCENTILE                 | 12.3000 |
| 98TH PERCENTILE                 | 12.3000 |
| 99TH PERCENTILE                 | 12.3000 |
| MAXIMUM VALUE                   | 12.3000 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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| VARIABLE NAME |                      | UNIT OF MEASUREMENT | DATA SUBSET |    |                    |       |        |  |
|---------------|----------------------|---------------------|-------------|----|--------------------|-------|--------|--|
| U             | LKSD                 | PPM                 | GRNG        |    |                    |       |        |  |
| HISTOGRAM     |                      |                     |             |    | SUMMARY STATISTICS |       |        |  |
| **            | *                    | *                   | *           | *  | N                  | %     | CUM %  |  |
| 10 PPB *      |                      |                     |             | *  |                    |       |        | TOTAL NUMBER OF SAMPLES 284            |
| 20 PPB *      |                      |                     |             | *  |                    |       |        | NUMBER OF ZERO VALUE SAMPLES 0         |
| 50 PPB *      |                      |                     |             | *  |                    |       |        | NUMBER OF NON-ZERO SAMPLES 284         |
| 100 PPB *     |                      |                     |             | *  |                    |       |        | ARITHMETIC MEAN 5.1113                 |
| 200 PPB *     |                      |                     |             | *  |                    |       |        | VARIANCE 53.2669                       |
| 500 PPB *     | X                    |                     |             | *  | 5                  | 1.76  | 1.76   | STANDARD DEVIATION 7.2984              |
| 1 PPM *       | XXXXXXXX             |                     |             | *  | 43                 | 15.14 | 16.90  | SKEW 3.7276                            |
| 2 PPM *       | XXXXXXXXXXXX         |                     |             | *  | 63                 | 22.18 | 39.08  | EXCESS KURTOSIS 17.5168                |
| 5 PPM *       | XXXXXXXXXXXXXXXXXXXX |                     |             | *  | 99                 | 34.86 | 73.94  | COEFFICIENT OF VARIANCE, % 142.7907    |
| 10 PPM *      | XXXXXXX              |                     |             | *  | 39                 | 13.73 | 87.68  | STANDARD ERROR OF THE MEAN .4331       |
| 20 PPM *      | XXXX                 |                     |             | *  | 21                 | 7.39  | 95.07  | LOWER 95% LIMIT ON THE MEAN 4.2587     |
| 50 PPM *      | XX                   |                     |             | *  | 12                 | 4.23  | 99.30  | UPPER 95% LIMIT ON THE MEAN 5.9638     |
| 100 PPM *     | I                    |                     |             | *  | 2                  | .70   | 100.00 | LOWER 95% LIMIT ON THE RANGE -9.2567   |
| 200 PPM *     |                      |                     |             | *  |                    |       |        | UPPER 95% LIMIT ON THE RANGE 19.4792   |
| 500 PPM *     |                      |                     |             | *  |                    |       |        | GEOMETRIC MEAN 2.9190                  |
| **            | *                    | *                   | *           | *  |                    |       |        | LOG10 MEAN .4652                       |
| O             | 20                   | 40                  | 60          | 80 | 100                |       |        | LOG10 VARIANCE .1889                   |
|               |                      |                     |             |    |                    |       |        | LOG10 STANDARD DEVIATION .4346         |
|               |                      |                     |             |    |                    |       |        | STANDARD ERROR ON THE MEAN .0258       |
|               |                      |                     |             |    |                    |       |        | LOWER 95% LIMIT ON THE MEAN 2.5969     |
|               |                      |                     |             |    |                    |       |        | UPPER 95% LIMIT ON THE MEAN 3.2810     |
|               |                      |                     |             |    |                    |       |        | LOWER 95% LIMIT ON THE RANGE .4071     |
|               |                      |                     |             |    |                    |       |        | UPPER 95% LIMIT ON THE RANGE 20.9322   |
|               |                      |                     |             |    |                    |       |        | MINIMUM VALUE .4000                    |
|               |                      |                     |             |    |                    |       |        | 25TH PERCENTILE OR 1ST QUARTILE 1.4000 |
|               |                      |                     |             |    |                    |       |        | 50TH PERCENTILE OR MEDIAN 2.7000       |
|               |                      |                     |             |    |                    |       |        | 75TH PERCENTILE OR 3RD QUARTILE 5.3000 |
|               |                      |                     |             |    |                    |       |        | 80TH PERCENTILE 6.2000                 |
|               |                      |                     |             |    |                    |       |        | 90TH PERCENTILE 11.7000                |
|               |                      |                     |             |    |                    |       |        | 95TH PERCENTILE 20.8000                |
|               |                      |                     |             |    |                    |       |        | 98TH PERCENTILE 27.1000                |
|               |                      |                     |             |    |                    |       |        | 99TH PERCENTILE 43.1000                |
|               |                      |                     |             |    |                    |       |        | MAXIMUM VALUE 56.3000                  |

| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| U LKSD        | PPM                 | UMFC        |

SUMMARY STATISTICS

|                                 |        |
|---------------------------------|--------|
| TOTAL NUMBER OF SAMPLES         | 1      |
| NUMBER OF ZERO VALUE SAMPLES    | 0      |
| NUMBER OF NON-ZERO SAMPLES      | 1      |
| ARITHMETIC MEAN                 | 1.5000 |
| VARIANCE                        | .0000  |
| STANDARD DEVIATION              | .0000  |
| SKEW                            | .0000  |
| EXCESS KURTOSIS                 | .0000  |
| COEFFICIENT OF VARIANCE, %      | .0000  |
| STANDARD ERROR OF THE MEAN      | .0000  |
| LOWER 95% LIMIT ON THE MEAN     | 1.5000 |
| UPPER 95% LIMIT ON THE MEAN     | 1.5000 |
| LOWER 95% LIMIT ON THE RANGE    | 1.5000 |
| UPPER 95% LIMIT ON THE RANGE    | 1.5000 |
| GEOMETRIC MEAN                  | 1.5000 |
| LOG10 MEAN                      | .1761  |
| LOG10 VARIANCE                  | .0000  |
| LOG10 STANDARD DEVIATION        | .0000  |
| STANDARD ERROR ON THE MEAN      | .0000  |
| LOWER 95% LIMIT ON THE MEAN     | 1.5000 |
| UPPER 95% LIMIT ON THE MEAN     | 1.5000 |
| LOWER 95% LIMIT ON THE RANGE    | 1.5000 |
| UPPER 95% LIMIT ON THE RANGE    | 1.5000 |
| MINIMUM VALUE                   | 1.5000 |
| 25TH PERCENTILE OR 1ST QUARTILE | 1.5000 |
| 50TH PERCENTILE OR MEDIAN       | 1.5000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 1.5000 |
| 80TH PERCENTILE                 | 1.5000 |
| 90TH PERCENTILE                 | 1.5000 |
| 95TH PERCENTILE                 | 1.5000 |
| 98TH PERCENTILE                 | 1.5000 |
| 99TH PERCENTILE                 | 1.5000 |
| MAXIMUM VALUE                   | 1.5000 |

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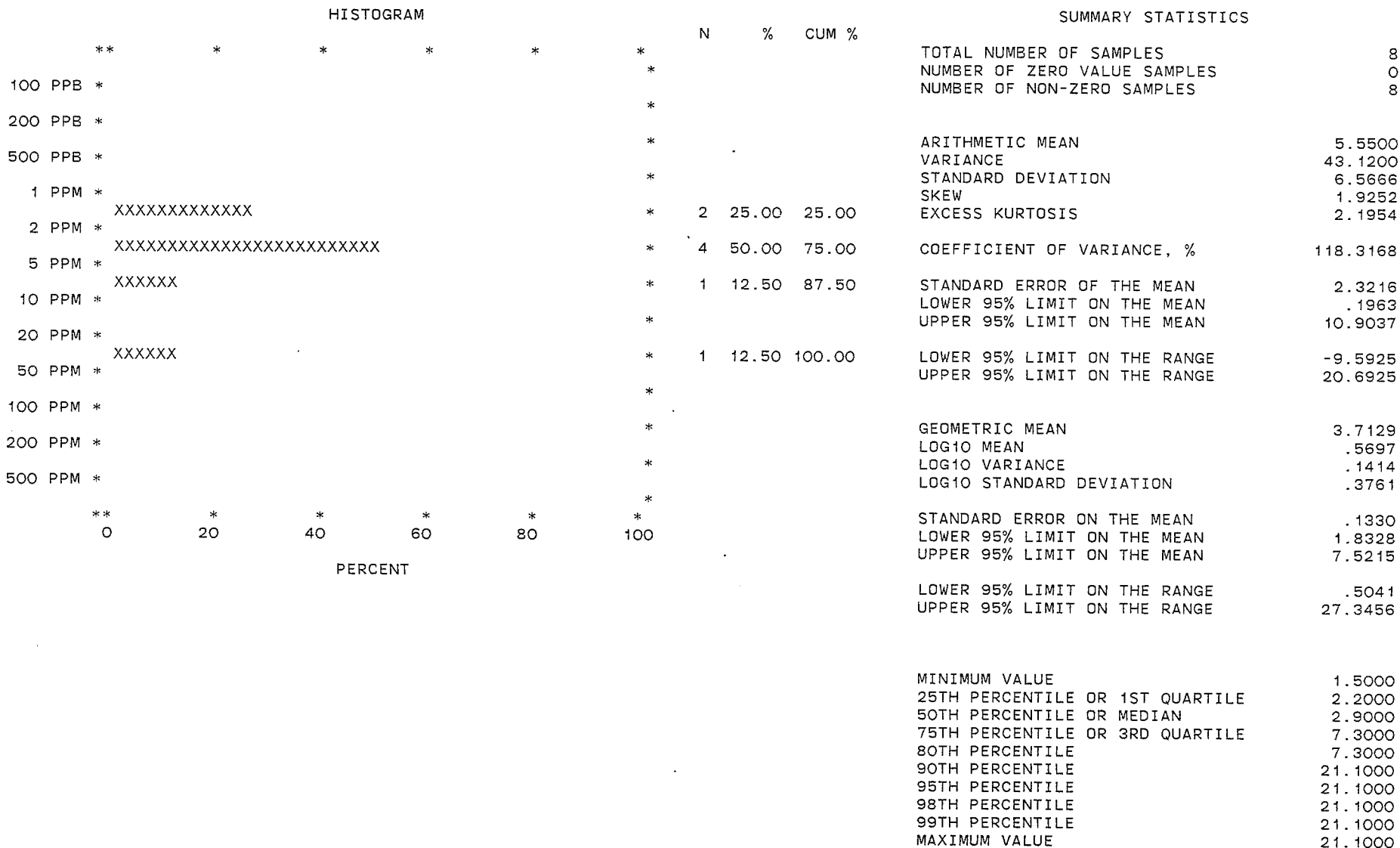
NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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| VARIABLE NAME |                       | UNIT OF MEASUREMENT | DATA SUBSET |    |                    |       |        |  |
|---------------|-----------------------|---------------------|-------------|----|--------------------|-------|--------|--|
| U             | LKSD                  | PPM                 | GRCK        |    |                    |       |        |  |
| HISTOGRAM     |                       |                     |             |    | SUMMARY STATISTICS |       |        |  |
| **            | *                     | *                   | *           | *  | N                  | %     | CUM %  |  |
| 10 PPB *      |                       |                     |             | *  |                    |       |        | TOTAL NUMBER OF SAMPLES 45             |
| 20 PPB *      |                       |                     |             | *  |                    |       |        | NUMBER OF ZERO VALUE SAMPLES 0         |
| 50 PPB *      |                       |                     |             | *  |                    |       |        | NUMBER OF NON-ZERO SAMPLES 45          |
| 100 PPB *     |                       |                     |             | *  |                    |       |        | ARITHMETIC MEAN 3.3311                 |
| 200 PPB *     |                       |                     |             | *  |                    |       |        | VARIANCE 8.1740                        |
| 500 PPB *     | X                     |                     |             | *  | 1                  | 2.22  | 2.22   | STANDARD DEVIATION 2.8590              |
| 1 PPM *       | XXX                   |                     |             | *  | 3                  | 6.67  | 8.89   | SKEW 1.7519                            |
| 2 PPM *       | XXXXXXXXXXXXXXXXXXXXX |                     |             | *  | 17                 | 37.78 | 46.67  | EXCESS KURTOSIS 2.5513                 |
| 5 PPM *       | XXXXXXXXXXXXXXXXXXXXX |                     |             | *  | 16                 | 35.56 | 82.22  | COEFFICIENT OF VARIANCE, % 85.8279     |
| 10 PPM *      | XXXXXXX               |                     |             | *  | 6                  | 13.33 | 95.56  | STANDARD ERROR OF THE MEAN .4262       |
| 20 PPM *      | XX                    |                     |             | *  | 2                  | 4.44  | 100.00 | LOWER 95% LIMIT ON THE MEAN 2.4725     |
| 50 PPM *      |                       |                     |             | *  |                    |       |        | UPPER 95% LIMIT ON THE MEAN 4.1897     |
| 100 PPM *     |                       |                     |             | *  |                    |       |        | LOWER 95% LIMIT ON THE RANGE -2.4284   |
| 200 PPM *     |                       |                     |             | *  |                    |       |        | UPPER 95% LIMIT ON THE RANGE 9.0906    |
| 500 PPM *     |                       |                     |             | *  |                    |       |        | GEOMETRIC MEAN 2.5050                  |
| **            | *                     | *                   | *           | *  |                    |       |        | LOG10 MEAN .3988                       |
| 0             | 20                    | 40                  | 60          | 80 |                    |       |        | LOG10 VARIANCE .1036                   |
|               |                       |                     |             |    |                    |       |        | LOG10 STANDARD DEVIATION .3219         |
|               |                       |                     |             |    |                    |       |        | STANDARD ERROR ON THE MEAN .0480       |
|               |                       |                     |             |    |                    |       |        | LOWER 95% LIMIT ON THE MEAN 2.0051     |
|               |                       |                     |             |    |                    |       |        | UPPER 95% LIMIT ON THE MEAN 3.1295     |
|               |                       |                     |             |    |                    |       |        | LOWER 95% LIMIT ON THE RANGE .5627     |
|               |                       |                     |             |    |                    |       |        | UPPER 95% LIMIT ON THE RANGE 11.1507   |
|               |                       |                     |             |    |                    |       |        | MINIMUM VALUE .5000                    |
|               |                       |                     |             |    |                    |       |        | 25TH PERCENTILE OR 1ST QUARTILE 1.6000 |
|               |                       |                     |             |    |                    |       |        | 50TH PERCENTILE OR MEDIAN 2.3000       |
|               |                       |                     |             |    |                    |       |        | 75TH PERCENTILE OR 3RD QUARTILE 4.3000 |
|               |                       |                     |             |    |                    |       |        | 80TH PERCENTILE 4.9000                 |
|               |                       |                     |             |    |                    |       |        | 90TH PERCENTILE 8.1000                 |
|               |                       |                     |             |    |                    |       |        | 95TH PERCENTILE 11.6000                |
|               |                       |                     |             |    |                    |       |        | 98TH PERCENTILE 12.9000                |
|               |                       |                     |             |    |                    |       |        | 99TH PERCENTILE 12.9000                |
|               |                       |                     |             |    |                    |       |        | MAXIMUM VALUE 12.9000                  |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 U      LKSD                      PPM                      BEXV





| VARIABLE NAME |      | UNIT OF MEASUREMENT  | DATA SUBSET |    |    | SUMMARY STATISTICS |  |
|---------------|------|----------------------|-------------|----|----|--------------------|--|
| U             | LKSD | PPM                  | UKNN        |    |    |                    |  |
| HISTOGRAM     |      |                      |             | N  | %  | CUM %              |  |
| **            | *    | *                    | *           | *  | *  | *                  |  |
| 10 PPB        | *    |                      |             | *  |    |                    | TOTAL NUMBER OF SAMPLES 73             |
| 20 PPB        | *    |                      |             | *  |    |                    | NUMBER OF ZERO VALUE SAMPLES 0         |
| 50 PPB        | *    |                      |             | *  |    |                    | NUMBER OF NON-ZERO SAMPLES 73          |
| 100 PPB       | *    |                      |             | *  |    |                    | ARITHMETIC MEAN 1.4630                 |
| 200 PPB       | *    |                      |             | *  |    |                    | VARIANCE 2.9210                        |
| 500 PPB       | *    | XXX                  |             | *  | 5  | 6.85 6.85          | STANDARD DEVIATION 1.7091              |
| 1 PPM         | *    | XXXXXXXXXXXXXXXXXXXX |             | *  | 27 | 36.99 43.84        | SKEW 4.4423                            |
| 2 PPM         | *    | XXXXXXXXXXXXXXXXXXXX |             | *  | 36 | 49.32 93.15        | EXCESS KURTOSIS 19.9875                |
| 5 PPM         | *    | X                    |             | *  | 2  | 2.74 95.89         | COEFFICIENT OF VARIANCE, % 116.8195    |
| 10 PPM        | *    | X                    |             | *  | 2  | 2.74 98.63         | STANDARD ERROR OF THE MEAN .2000       |
| 20 PPM        | *    | X                    |             | *  | 1  | 1.37 100.00        | LOWER 95% LIMIT ON THE MEAN 1.0643     |
| 50 PPM        | *    |                      |             | *  |    |                    | UPPER 95% LIMIT ON THE MEAN 1.8617     |
| 100 PPM       | *    |                      |             | *  |    |                    | LOWER 95% LIMIT ON THE RANGE -1.9433   |
| 200 PPM       | *    |                      |             | *  |    |                    | UPPER 95% LIMIT ON THE RANGE 4.8693    |
| 500 PPM       | *    |                      |             | *  |    |                    | GEOMETRIC MEAN 1.1396                  |
|               | **   | *                    | *           | *  | *  | *                  | LOG10 MEAN .0567                       |
|               | 0    | 20                   | 40          | 60 | 80 | 100                | LOG10 VARIANCE .0672                   |
|               |      |                      |             |    |    |                    | LOG10 STANDARD DEVIATION .2593         |
|               |      |                      |             |    |    |                    | STANDARD ERROR ON THE MEAN .0304       |
|               |      |                      |             |    |    |                    | LOWER 95% LIMIT ON THE MEAN .9914      |
|               |      |                      |             |    |    |                    | UPPER 95% LIMIT ON THE MEAN 1.3099     |
|               |      |                      |             |    |    |                    | LOWER 95% LIMIT ON THE RANGE .3467     |
|               |      |                      |             |    |    |                    | UPPER 95% LIMIT ON THE RANGE 3.7461    |
|               |      |                      |             |    |    |                    | MINIMUM VALUE .3000                    |
|               |      |                      |             |    |    |                    | 25TH PERCENTILE OR 1ST QUARTILE .8000  |
|               |      |                      |             |    |    |                    | 50TH PERCENTILE OR MEDIAN 1.1000       |
|               |      |                      |             |    |    |                    | 75TH PERCENTILE OR 3RD QUARTILE 1.5000 |
|               |      |                      |             |    |    |                    | 80TH PERCENTILE 1.6000                 |
|               |      |                      |             |    |    |                    | 90TH PERCENTILE 1.9000                 |
|               |      |                      |             |    |    |                    | 95TH PERCENTILE 2.3000                 |
|               |      |                      |             |    |    |                    | 98TH PERCENTILE 11.0000                |
|               |      |                      |             |    |    |                    | 99TH PERCENTILE 11.0000                |
|               |      |                      |             |    |    |                    | MAXIMUM VALUE 11.0000                  |

SUMMARY STATISTICS

| SUBSET | VARIABLE | UNITS | N   | ARITH<br>MEAN | STD<br>DEV | CV %     | SKEW  | EXCESS<br>KURT | 95% LIMITS<br>ON MEAN | GEOM<br>MEAN | LOG 10<br>MEAN | STD<br>DEV | 95% LIMITS<br>ON MEAN |       |          |      |
|--------|----------|-------|-----|---------------|------------|----------|-------|----------------|-----------------------|--------------|----------------|------------|-----------------------|-------|----------|------|
| DIBS   | U        | LKSD  | PPM | 253           | 2.33       | 3.04     | 130.8 | 4.15           | 21.89                 | 1.95         | 2.70           | 1.51       | .1804                 | .3752 | 1.36     | 1.69 |
| SMRK   | U        | LKSD  | PPM | 94            | 6.64       | 11.9     | 179.5 | 6.40           | 48.16                 | 4.20         | 9.08           | 3.83       | .5836                 | .4243 | 3.14     | 4.68 |
| ARGL   | U        | LKSD  | PPM | 29            | 2.56       | 1.12     | 43.7  | 1.12           | 2.50                  | 2.14         | 2.99           | 2.33       | .3683                 | .1961 | 1.97     | 2.77 |
| CHRT   | U        | LKSD  | PPM | 2             | 7.05       | 7.42     | 105.3 | 0.00           | -2.00                 | -15.5        | 29.6           | 4.71       | .6726                 | .5902 | .753E-01 | 294. |
| GRNT   | U        | LKSD  | PPM | 66            | 8.62       | 8.63     | 100.2 | 1.67           | 2.25                  | 6.49         | 10.7           | 5.60       | .7483                 | .4052 | 4.45     | 7.05 |
| GRNG   | U        | LKSD  | PPM | 284           | 5.11       | 7.30     | 142.8 | 3.73           | 17.52                 | 4.26         | 5.96           | 2.92       | .4652                 | .4346 | 2.60     | 3.28 |
| UMFC   | U        | LKSD  | PPM | 1             | 1.50       | .100E-05 | .0    | .00            | .00                   | 1.50         | 1.50           | 1.50       | .1761                 | .0000 | 1.50     | 1.50 |
| CGLM   | U        | LKSD  | PPM | 25            | 1.35       | .522     | 38.7  | .80            | -.65                  | 1.13         | 1.56           | 1.26       | .1006                 | .1598 | 1.08     | 1.47 |
| GRCK   | U        | LKSD  | PPM | 45            | 3.33       | 2.86     | 85.8  | 1.75           | 2.55                  | 2.47         | 4.19           | 2.50       | .3988                 | .3219 | 2.01     | 3.13 |
| BEXV   | U        | LKSD  | PPM | 8             | 5.55       | 6.57     | 118.3 | 1.93           | 2.20                  | .196         | 10.9           | 3.71       | .5697                 | .3761 | 1.83     | 7.52 |
| MVCC   | U        | LKSD  | PPM | 42            | 1.38       | 1.17     | 84.8  | 3.09           | 11.84                 | 1.02         | 1.75           | 1.11       | .0438                 | .2772 | .907     | 1.35 |
| UKNN   | U        | LKSD  | PPM | 73            | 1.46       | 1.71     | 116.8 | 4.44           | 19.99                 | 1.06         | 1.86           | 1.14       | .0567                 | .2593 | .991     | 1.31 |

| SUBSET | VARIABLE | UNITS | N   | MIN<br>VALUE | ----- PERCENTILE ----- |       |        |        |        |        |        |        |         | MAX<br>VALUE |
|--------|----------|-------|-----|--------------|------------------------|-------|--------|--------|--------|--------|--------|--------|---------|--------------|
|        |          |       |     |              | 25TH                   | 50TH  | 75TH   | 80TH   | 90TH   | 95TH   | 98TH   | 99TH   |         |              |
| DIBS   | U        | LKSD  | PPM | 253          | .100                   | .900  | 1.400  | 2.500  | 2.900  | 4.700  | 7.600  | 11.800 | 18.900  | 24.200       |
| SMRK   | U        | LKSD  | PPM | 94           | .400                   | 2.100 | 4.100  | 6.400  | 7.700  | 13.000 | 16.800 | 34.200 | 105.000 | 105.000      |
| ARGL   | U        | LKSD  | PPM | 29           | .900                   | 1.800 | 2.500  | 3.200  | 3.300  | 3.900  | 6.300  | 6.300  | 6.300   | 6.300        |
| CHRT   | U        | LKSD  | PPM | 2            | 1.800                  | 1.800 | 12.300 | 12.300 | 12.300 | 12.300 | 12.300 | 12.300 | 12.300  | 12.300       |
| GRNT   | U        | LKSD  | PPM | 66           | 1.200                  | 2.800 | 4.900  | 10.000 | 15.400 | 21.700 | 28.000 | 38.400 | 38.400  | 38.400       |
| GRNG   | U        | LKSD  | PPM | 284          | .400                   | 1.400 | 2.700  | 5.300  | 6.200  | 11.700 | 20.800 | 27.100 | 43.100  | 56.300       |
| UMFC   | U        | LKSD  | PPM | 1            | 1.500                  | 1.500 | 1.500  | 1.500  | 1.500  | 1.500  | 1.500  | 1.500  | 1.500   | 1.500        |
| CGLM   | U        | LKSD  | PPM | 25           | .700                   | 1.100 | 1.100  | 1.700  | 2.100  | 2.200  | 2.400  | 2.400  | 2.400   | 2.400        |
| GRCK   | U        | LKSD  | PPM | 45           | .500                   | 1.600 | 2.300  | 4.300  | 4.900  | 8.100  | 11.600 | 12.900 | 12.900  | 12.900       |
| BEXV   | U        | LKSD  | PPM | 8            | 1.500                  | 2.200 | 2.900  | 7.300  | 7.300  | 21.100 | 21.100 | 21.100 | 21.100  | 21.100       |
| MVCC   | U        | LKSD  | PPM | 42           | .300                   | .700  | 1.100  | 1.500  | 1.900  | 3.100  | 3.500  | 7.100  | 7.100   | 7.100        |
| UKNN   | U        | LKSD  | PPM | 73           | .300                   | .800  | 1.100  | 1.500  | 1.600  | 1.900  | 2.300  | 11.000 | 11.000  | 11.000       |



| VARIABLE NAME |      | UNIT OF MEASUREMENT                  | DATA SUBSET        |     |       |        |                                 |
|---------------|------|--------------------------------------|--------------------|-----|-------|--------|---------------------------------|
| U             | LKWR | PPB                                  | DIBS               |     |       |        |                                 |
| HISTOGRAM     |      |                                      | SUMMARY STATISTICS |     |       |        |                                 |
| **            | *    | *                                    | *                  | N   | %     | CUM %  |                                 |
| 1 PPT         | *    | I                                    | *                  | 1   | .40   | .40    | TOTAL NUMBER OF SAMPLES         |
| 2 PPT         | *    |                                      | *                  |     |       |        | 253                             |
| 5 PPT         | *    | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | *                  | 156 | 61.66 | 62.06  | NUMBER OF ZERO VALUE SAMPLES    |
| 10 PPT        | *    | XXXXXX                               | *                  | 25  | 9.88  | 71.94  | 1                               |
| 20 PPT        | *    | X                                    | *                  | 6   | 2.37  | 74.31  | NUMBER OF NON-ZERO SAMPLES      |
| 50 PPT        | *    | XXX                                  | *                  | 15  | 5.93  | 80.24  | 252                             |
| 100 PPT       | *    | XXX                                  | *                  | 14  | 5.53  | 85.77  | ARITHMETIC MEAN                 |
| 200 PPT       | *    | XXXX                                 | *                  | 19  | 7.51  | 93.28  | .0530                           |
| 500 PPT       | *    | XX                                   | *                  | 11  | 4.35  | 97.63  | VARIANCE                        |
| 1 PPB         | *    | X                                    | *                  | 5   | 1.98  | 99.60  | .0176                           |
| 2 PPB         | *    | I                                    | *                  | 1   | .40   | 100.00 | STANDARD DEVIATION              |
| 5 PPB         | *    |                                      | *                  |     |       |        | .1328                           |
| 10 PPB        | *    |                                      | *                  |     |       |        | SKEW                            |
| 20 PPB        | *    |                                      | *                  |     |       |        | 4.8653                          |
| 50 PPB        | *    |                                      | *                  |     |       |        | EXCESS KURTOSIS                 |
| **            | *    | *                                    | *                  |     |       |        | 30.1269                         |
| O             | 20   | 40                                   | 60                 | 80  | 100   |        | COEFFICIENT OF VARIANCE, %      |
|               |      |                                      |                    |     |       |        | 250.6382                        |
|               |      |                                      |                    |     |       |        | STANDARD ERROR OF THE MEAN      |
|               |      |                                      |                    |     |       |        | .0084                           |
|               |      |                                      |                    |     |       |        | LOWER 95% LIMIT ON THE MEAN     |
|               |      |                                      |                    |     |       |        | .0365                           |
|               |      |                                      |                    |     |       |        | UPPER 95% LIMIT ON THE MEAN     |
|               |      |                                      |                    |     |       |        | .0695                           |
|               |      |                                      |                    |     |       |        | LOWER 95% LIMIT ON THE RANGE    |
|               |      |                                      |                    |     |       |        | -.2086                          |
|               |      |                                      |                    |     |       |        | UPPER 95% LIMIT ON THE RANGE    |
|               |      |                                      |                    |     |       |        | .3145                           |
|               |      |                                      |                    |     |       |        | GEOMETRIC MEAN                  |
|               |      |                                      |                    |     |       |        | .0126                           |
|               |      |                                      |                    |     |       |        | LOG10 MEAN                      |
|               |      |                                      |                    |     |       |        | -1.8992                         |
|               |      |                                      |                    |     |       |        | LOG10 VARIANCE                  |
|               |      |                                      |                    |     |       |        | .3933                           |
|               |      |                                      |                    |     |       |        | LOG10 STANDARD DEVIATION        |
|               |      |                                      |                    |     |       |        | .6271                           |
|               |      |                                      |                    |     |       |        | STANDARD ERROR ON THE MEAN      |
|               |      |                                      |                    |     |       |        | .0395                           |
|               |      |                                      |                    |     |       |        | LOWER 95% LIMIT ON THE MEAN     |
|               |      |                                      |                    |     |       |        | .0105                           |
|               |      |                                      |                    |     |       |        | UPPER 95% LIMIT ON THE MEAN     |
|               |      |                                      |                    |     |       |        | .0151                           |
|               |      |                                      |                    |     |       |        | LOWER 95% LIMIT ON THE RANGE    |
|               |      |                                      |                    |     |       |        | .0007                           |
|               |      |                                      |                    |     |       |        | UPPER 95% LIMIT ON THE RANGE    |
|               |      |                                      |                    |     |       |        | .2169                           |
|               |      |                                      |                    |     |       |        | MINIMUM VALUE                   |
|               |      |                                      |                    |     |       |        | .0050                           |
|               |      |                                      |                    |     |       |        | 25TH PERCENTILE OR 1ST QUARTILE |
|               |      |                                      |                    |     |       |        | .0050                           |
|               |      |                                      |                    |     |       |        | 50TH PERCENTILE OR MEDIAN       |
|               |      |                                      |                    |     |       |        | .0050                           |
|               |      |                                      |                    |     |       |        | 75TH PERCENTILE OR 3RD QUARTILE |
|               |      |                                      |                    |     |       |        | .0300                           |
|               |      |                                      |                    |     |       |        | 80TH PERCENTILE                 |
|               |      |                                      |                    |     |       |        | .0600                           |
|               |      |                                      |                    |     |       |        | 90TH PERCENTILE                 |
|               |      |                                      |                    |     |       |        | .1500                           |
|               |      |                                      |                    |     |       |        | 95TH PERCENTILE                 |
|               |      |                                      |                    |     |       |        | .2800                           |
|               |      |                                      |                    |     |       |        | 98TH PERCENTILE                 |
|               |      |                                      |                    |     |       |        | .5400                           |
|               |      |                                      |                    |     |       |        | 99TH PERCENTILE                 |
|               |      |                                      |                    |     |       |        | .5700                           |
|               |      |                                      |                    |     |       |        | MAXIMUM VALUE                   |
|               |      |                                      |                    |     |       |        | 1.2000                          |

| VARIABLE NAME                   |      | UNIT OF MEASUREMENT |    | DATA SUBSET |       |          |
|---------------------------------|------|---------------------|----|-------------|-------|----------|
| U                               | LKWR | PPB                 |    | SMRK        |       |          |
| HISTOGRAM                       |      |                     |    |             |       |          |
| **                              | *    | *                   | *  | *           | N     |          |
| X                               |      |                     |    |             | %     |          |
| 1 PPT                           | *    |                     |    |             | CUM % |          |
| 2 PPT                           | *    |                     |    |             |       |          |
| 5 PPT                           | *    | XXXXXXXX            |    |             |       |          |
| 10 PPT                          | *    | XXXXXX              |    |             |       |          |
| 20 PPT                          | *    | XXX                 |    |             |       |          |
| 50 PPT                          | *    | XXXXXX              |    |             |       |          |
| 100 PPT                         | *    | XX                  |    |             |       |          |
| 200 PPT                         | *    | XXXXXXXX            |    |             |       |          |
| 500 PPT                         | *    | XXXXXXXX            |    |             |       |          |
| 1 PPB                           | *    | XXXXX               |    |             |       |          |
| 2 PPB                           | *    | XXX                 |    |             |       |          |
| 5 PPB                           | *    | X                   |    |             |       |          |
| 10 PPB                          | *    |                     |    |             |       |          |
| 20 PPB                          | *    |                     |    |             |       |          |
| 50 PPB                          | *    |                     |    |             |       |          |
| **                              | *    | *                   | *  | *           |       |          |
| 0                               | 20   | 40                  | 60 | 80          | 100   |          |
| PERCENT                         |      |                     |    |             |       |          |
| SUMMARY STATISTICS              |      |                     |    |             |       |          |
| TOTAL NUMBER OF SAMPLES         |      |                     |    |             |       | 94       |
| NUMBER OF ZERO VALUE SAMPLES    |      |                     |    |             |       | 1        |
| NUMBER OF NON-ZERO SAMPLES      |      |                     |    |             |       | 93       |
| ARITHMETIC MEAN                 |      |                     |    |             |       | .3056    |
| VARIANCE                        |      |                     |    |             |       | .3226    |
| STANDARD DEVIATION              |      |                     |    |             |       | .5680    |
| SKEW                            |      |                     |    |             |       | 3.2793   |
| EXCESS KURTOSIS                 |      |                     |    |             |       | 12.7681  |
| COEFFICIENT OF VARIANCE, %      |      |                     |    |             |       | 185.8372 |
| STANDARD ERROR OF THE MEAN      |      |                     |    |             |       | .0589    |
| LOWER 95% LIMIT ON THE MEAN     |      |                     |    |             |       | .1887    |
| UPPER 95% LIMIT ON THE MEAN     |      |                     |    |             |       | .4226    |
| LOWER 95% LIMIT ON THE RANGE    |      |                     |    |             |       | -.8225   |
| UPPER 95% LIMIT ON THE RANGE    |      |                     |    |             |       | 1.4338   |
| GEOMETRIC MEAN                  |      |                     |    |             |       | .0668    |
| LOG10 MEAN                      |      |                     |    |             |       | -1.1755  |
| LOG10 VARIANCE                  |      |                     |    |             |       | .7060    |
| LOG10 STANDARD DEVIATION        |      |                     |    |             |       | .8402    |
| STANDARD ERROR ON THE MEAN      |      |                     |    |             |       | .0871    |
| LOWER 95% LIMIT ON THE MEAN     |      |                     |    |             |       | .0448    |
| UPPER 95% LIMIT ON THE MEAN     |      |                     |    |             |       | .0994    |
| LOWER 95% LIMIT ON THE RANGE    |      |                     |    |             |       | .0014    |
| UPPER 95% LIMIT ON THE RANGE    |      |                     |    |             |       | 3.1140   |
| MINIMUM VALUE                   |      |                     |    |             |       | .0050    |
| 25TH PERCENTILE OR 1ST QUARTILE |      |                     |    |             |       | .0100    |
| 50TH PERCENTILE OR MEDIAN       |      |                     |    |             |       | .0900    |
| 75TH PERCENTILE OR 3RD QUARTILE |      |                     |    |             |       | .3400    |
| 80TH PERCENTILE                 |      |                     |    |             |       | .4300    |
| 90TH PERCENTILE                 |      |                     |    |             |       | .8000    |
| 95TH PERCENTILE                 |      |                     |    |             |       | 1.7000   |
| 98TH PERCENTILE                 |      |                     |    |             |       | 2.0000   |
| 99TH PERCENTILE                 |      |                     |    |             |       | 3.6000   |
| MAXIMUM VALUE                   |      |                     |    |             |       | 3.6000   |



| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| U LKWR        | PPB                 | CHRT        |

SUMMARY STATISTICS

|                              |   |
|------------------------------|---|
| TOTAL NUMBER OF SAMPLES      | 2 |
| NUMBER OF ZERO VALUE SAMPLES | 0 |
| NUMBER OF NON-ZERO SAMPLES   | 2 |

|                    |         |
|--------------------|---------|
| ARITHMETIC MEAN    | .1925   |
| VARIANCE           | .0703   |
| STANDARD DEVIATION | .2652   |
| SKEW               | 0.0000  |
| EXCESS KURTOSIS    | -2.0000 |

|                            |          |
|----------------------------|----------|
| COEFFICIENT OF VARIANCE, % | 137.7481 |
|----------------------------|----------|

|                             |        |
|-----------------------------|--------|
| STANDARD ERROR OF THE MEAN  | .1875  |
| LOWER 95% LIMIT ON THE MEAN | -.6143 |
| UPPER 95% LIMIT ON THE MEAN | .9993  |

|                              |        |
|------------------------------|--------|
| LOWER 95% LIMIT ON THE RANGE | -.9485 |
| UPPER 95% LIMIT ON THE RANGE | 1.3335 |

|                          |         |
|--------------------------|---------|
| GEOMETRIC MEAN           | .0436   |
| LOG10 MEAN               | -1.3606 |
| LOG10 VARIANCE           | 1.7687  |
| LOG10 STANDARD DEVIATION | 1.3299  |

|                             |          |
|-----------------------------|----------|
| STANDARD ERROR ON THE MEAN  | .9404    |
| LOWER 95% LIMIT ON THE MEAN | .0000    |
| UPPER 95% LIMIT ON THE MEAN | 485.2296 |

|                              |            |
|------------------------------|------------|
| LOWER 95% LIMIT ON THE RANGE | .0000      |
| UPPER 95% LIMIT ON THE RANGE | 23019.2730 |

|                                 |       |
|---------------------------------|-------|
| MINIMUM VALUE                   | .0050 |
| 25TH PERCENTILE OR 1ST QUARTILE | .0050 |
| 50TH PERCENTILE OR MEDIAN       | .3800 |
| 75TH PERCENTILE OR 3RD QUARTILE | .3800 |
| 80TH PERCENTILE                 | .3800 |
| 90TH PERCENTILE                 | .3800 |
| 95TH PERCENTILE                 | .3800 |
| 98TH PERCENTILE                 | .3800 |
| 99TH PERCENTILE                 | .3800 |
| MAXIMUM VALUE                   | .3800 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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| VARIABLE NAME |      | UNIT OF MEASUREMENT  | DATA SUBSET |    | SUMMARY STATISTICS |       |        |                                 |          |  |
|---------------|------|----------------------|-------------|----|--------------------|-------|--------|---------------------------------|----------|--|
| U             | LKWR | PPB                  | GRNT        |    |                    |       |        |                                 |          |  |
| HISTOGRAM     |      |                      |             |    |                    |       |        |                                 |          |  |
| **            | *    | *                    | *           | *  | N                  | %     | CUM %  |                                 |          |  |
| 1 PPT         | *    |                      |             | *  |                    |       |        | TOTAL NUMBER OF SAMPLES         | 66       |  |
| 2 PPT         | *    |                      |             | *  |                    |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0        |  |
| 5 PPT         | *    | XXXXX                |             | *  | 6                  | 9.09  | 9.09   | NUMBER OF NON-ZERO SAMPLES      | 66       |  |
| 10 PPT        | *    | XXXXX                |             | *  | 7                  | 10.61 | 19.70  | ARITHMETIC MEAN                 | .2339    |  |
| 20 PPT        | *    | XXXXX                |             | *  | 6                  | 9.09  | 28.79  | VARIANCE                        | .1319    |  |
| 50 PPT        | *    | XXXX                 |             | *  | 5                  | 7.58  | 36.36  | STANDARD DEVIATION              | .3631    |  |
| 100 PPT       | *    | XXX                  |             | *  | 4                  | 6.06  | 42.42  | SKEW                            | 4.9142   |  |
| 200 PPT       | *    | XXXXXXXX             |             | *  | 9                  | 13.64 | 56.06  | EXCESS KURTOSIS                 | 30.4470  |  |
| 500 PPT       | *    | XXXXXXXXXXXXXXXXXXXX |             | *  | 22                 | 33.33 | 89.39  | COEFFICIENT OF VARIANCE, %      | 155.2303 |  |
| 1 PPB         | *    | XXXXX                |             | *  | 6                  | 9.09  | 98.48  | STANDARD ERROR OF THE MEAN      | .0447    |  |
| 2 PPB         | *    |                      |             | *  |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | .1447    |  |
| 5 PPB         | *    | X                    |             | *  | 1                  | 1.52  | 100.00 | UPPER 95% LIMIT ON THE MEAN     | .3232    |  |
| 10 PPB        | *    |                      |             | *  |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | -.4912   |  |
| 20 PPB        | *    |                      |             | *  |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | .9591    |  |
| 50 PPB        | *    |                      |             | *  |                    |       |        | GEOMETRIC MEAN                  | .0894    |  |
|               |      |                      |             | *  |                    |       |        | LOG10 MEAN                      | -1.0488  |  |
|               |      |                      |             | *  |                    |       |        | LOG10 VARIANCE                  | .5028    |  |
|               |      |                      |             | *  |                    |       |        | LOG10 STANDARD DEVIATION        | .7091    |  |
|               |      |                      |             | *  |                    |       |        | STANDARD ERROR ON THE MEAN      | .0873    |  |
|               |      |                      |             | *  |                    |       |        | LOWER 95% LIMIT ON THE MEAN     | .0598    |  |
|               |      |                      |             | *  |                    |       |        | UPPER 95% LIMIT ON THE MEAN     | .1335    |  |
|               |      |                      |             | *  |                    |       |        | LOWER 95% LIMIT ON THE RANGE    | .0034    |  |
|               |      |                      |             | *  |                    |       |        | UPPER 95% LIMIT ON THE RANGE    | 2.3284   |  |
| **            | *    | *                    | *           | *  |                    |       |        |                                 |          |  |
| 0             | 20   | 40                   | 60          | 80 | 100                |       |        |                                 |          |  |
| PERCENT       |      |                      |             |    |                    |       |        | MINIMUM VALUE                   | .0050    |  |
|               |      |                      |             |    |                    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | .0200    |  |
|               |      |                      |             |    |                    |       |        | 50TH PERCENTILE OR MEDIAN       | .2000    |  |
|               |      |                      |             |    |                    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | .3200    |  |
|               |      |                      |             |    |                    |       |        | 80TH PERCENTILE                 | .3600    |  |
|               |      |                      |             |    |                    |       |        | 90TH PERCENTILE                 | .5200    |  |
|               |      |                      |             |    |                    |       |        | 95TH PERCENTILE                 | .7200    |  |
|               |      |                      |             |    |                    |       |        | 98TH PERCENTILE                 | 2.7000   |  |
|               |      |                      |             |    |                    |       |        | 99TH PERCENTILE                 | 2.7000   |  |
|               |      |                      |             |    |                    |       |        | MAXIMUM VALUE                   | 2.7000   |  |



|               |                     |             |
|---------------|---------------------|-------------|
| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
| U LKWR        | PPB                 | UMFC        |

SUMMARY STATISTICS

|                                 |         |
|---------------------------------|---------|
| TOTAL NUMBER OF SAMPLES         | 1       |
| NUMBER OF ZERO VALUE SAMPLES    | 0       |
| NUMBER OF NON-ZERO SAMPLES      | 1       |
| ARITHMETIC MEAN                 | .0050   |
| VARIANCE                        | .0000   |
| STANDARD DEVIATION              | .0000   |
| SKEW                            | .0000   |
| EXCESS KURTOSIS                 | .0000   |
| COEFFICIENT OF VARIANCE, %      | .0000   |
| STANDARD ERROR OF THE MEAN      | .0000   |
| LOWER 95% LIMIT ON THE MEAN     | .0050   |
| UPPER 95% LIMIT ON THE MEAN     | .0050   |
| LOWER 95% LIMIT ON THE RANGE    | .0050   |
| UPPER 95% LIMIT ON THE RANGE    | .0050   |
| GEOMETRIC MEAN                  | .0050   |
| LOG10 MEAN                      | -2.3010 |
| LOG10 VARIANCE                  | .0000   |
| LOG10 STANDARD DEVIATION        | .0000   |
| STANDARD ERROR ON THE MEAN      | .0000   |
| LOWER 95% LIMIT ON THE MEAN     | .0050   |
| UPPER 95% LIMIT ON THE MEAN     | .0050   |
| LOWER 95% LIMIT ON THE RANGE    | .0050   |
| UPPER 95% LIMIT ON THE RANGE    | .0050   |
| MINIMUM VALUE                   | .0050   |
| 25TH PERCENTILE OR 1ST QUARTILE | .0050   |
| 50TH PERCENTILE OR MEDIAN       | .0050   |
| 75TH PERCENTILE OR 3RD QUARTILE | .0050   |
| 80TH PERCENTILE                 | .0050   |
| 90TH PERCENTILE                 | .0050   |
| 95TH PERCENTILE                 | .0050   |
| 98TH PERCENTILE                 | .0050   |
| 99TH PERCENTILE                 | .0050   |
| MAXIMUM VALUE                   | .0050   |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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| VARIABLE NAME | UNIT OF MEASUREMENT                  | DATA SUBSET |    |       |        | SUMMARY STATISTICS              |          |
|---------------|--------------------------------------|-------------|----|-------|--------|---------------------------------|----------|
| U LKWR        | PPB                                  | CGLM        | N  | %     | CUM %  |                                 |          |
| HISTOGRAM     |                                      |             |    |       |        |                                 |          |
| **            | *                                    | *           | *  | *     | *      | TOTAL NUMBER OF SAMPLES         | 25       |
| 1 PPT *       |                                      |             | *  |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0        |
| 2 PPT *       |                                      |             | *  |       |        | NUMBER OF NON-ZERO SAMPLES      | 25       |
| 5 PPT *       | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX |             | 16 | 64.00 | 64.00  | ARITHMETIC MEAN                 | .0264    |
| 10 PPT *      | XXXX                                 |             | 2  | 8.00  | 72.00  | VARIANCE                        | .0015    |
| 20 PPT *      |                                      |             | *  |       |        | STANDARD DEVIATION              | .0382    |
| 50 PPT *      | XXXX                                 |             | 2  | 8.00  | 80.00  | SKEW                            | 1.7779   |
| 100 PPT *     | XXXXXXXXXX                           |             | 4  | 16.00 | 96.00  | EXCESS KURTOSIS                 | 2.5045   |
| 200 PPT *     | XX                                   |             | 1  | 4.00  | 100.00 | COEFFICIENT OF VARIANCE, %      | 144.6024 |
| 500 PPT *     |                                      |             | *  |       |        | STANDARD ERROR OF THE MEAN      | .0076    |
| 1 PPB *       |                                      |             | *  |       |        | LOWER 95% LIMIT ON THE MEAN     | .0107    |
| 2 PPB *       |                                      |             | *  |       |        | UPPER 95% LIMIT ON THE MEAN     | .0421    |
| 5 PPB *       |                                      |             | *  |       |        | LOWER 95% LIMIT ON THE RANGE    | -.0522   |
|               |                                      |             | *  |       |        | UPPER 95% LIMIT ON THE RANGE    | .1050    |
| **            | *                                    | *           | *  | *     | *      | GEOMETRIC MEAN                  | .0113    |
| 0             | 20                                   | 40          | 60 | 80    | 100    | LOG10 MEAN                      | -1.9478  |
| PERCENT       |                                      |             |    |       |        | LOG10 VARIANCE                  | .2874    |
|               |                                      |             |    |       |        | LOG10 STANDARD DEVIATION        | .5361    |
|               |                                      |             |    |       |        | STANDARD ERROR ON THE MEAN      | .1072    |
|               |                                      |             |    |       |        | LOWER 95% LIMIT ON THE MEAN     | .0068    |
|               |                                      |             |    |       |        | UPPER 95% LIMIT ON THE MEAN     | .0188    |
|               |                                      |             |    |       |        | LOWER 95% LIMIT ON THE RANGE    | .0009    |
|               |                                      |             |    |       |        | UPPER 95% LIMIT ON THE RANGE    | .1434    |
|               |                                      |             |    |       |        | MINIMUM VALUE                   | .0050    |
|               |                                      |             |    |       |        | 25TH PERCENTILE OR 1ST QUARTILE | .0050    |
|               |                                      |             |    |       |        | 50TH PERCENTILE OR MEDIAN       | .0050    |
|               |                                      |             |    |       |        | 75TH PERCENTILE OR 3RD QUARTILE | .0500    |
|               |                                      |             |    |       |        | 80TH PERCENTILE                 | .0700    |
|               |                                      |             |    |       |        | 90TH PERCENTILE                 | .0800    |
|               |                                      |             |    |       |        | 95TH PERCENTILE                 | .1500    |
|               |                                      |             |    |       |        | 98TH PERCENTILE                 | .1500    |
|               |                                      |             |    |       |        | 99TH PERCENTILE                 | .1500    |
|               |                                      |             |    |       |        | MAXIMUM VALUE                   | .1500    |





VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 U      LKWR                      PPB                      BEXV

HISTOGRAM

|           | ** | *  | *  | *  | *  | *   | N | %     | CUM %  |
|-----------|----|----|----|----|----|-----|---|-------|--------|
| 1 PPT *   |    |    |    |    |    | *   |   |       |        |
| 2 PPT *   |    |    |    |    |    | *   |   |       |        |
| 5 PPT *   |    |    |    |    |    | *   | 3 | 37.50 | 37.50  |
| 10 PPT *  |    |    |    |    |    | *   | 1 | 12.50 | 50.00  |
| 20 PPT *  |    |    |    |    |    | *   | 1 | 12.50 | 62.50  |
| 50 PPT *  |    |    |    |    |    | *   | 3 | 37.50 | 100.00 |
| 100 PPT * |    |    |    |    |    | *   |   |       |        |
| 200 PPT * |    |    |    |    |    | *   |   |       |        |
| 500 PPT * |    |    |    |    |    | *   |   |       |        |
|           | ** | *  | *  | *  | *  | *   |   |       |        |
|           | 0  | 20 | 40 | 60 | 80 | 100 |   |       |        |

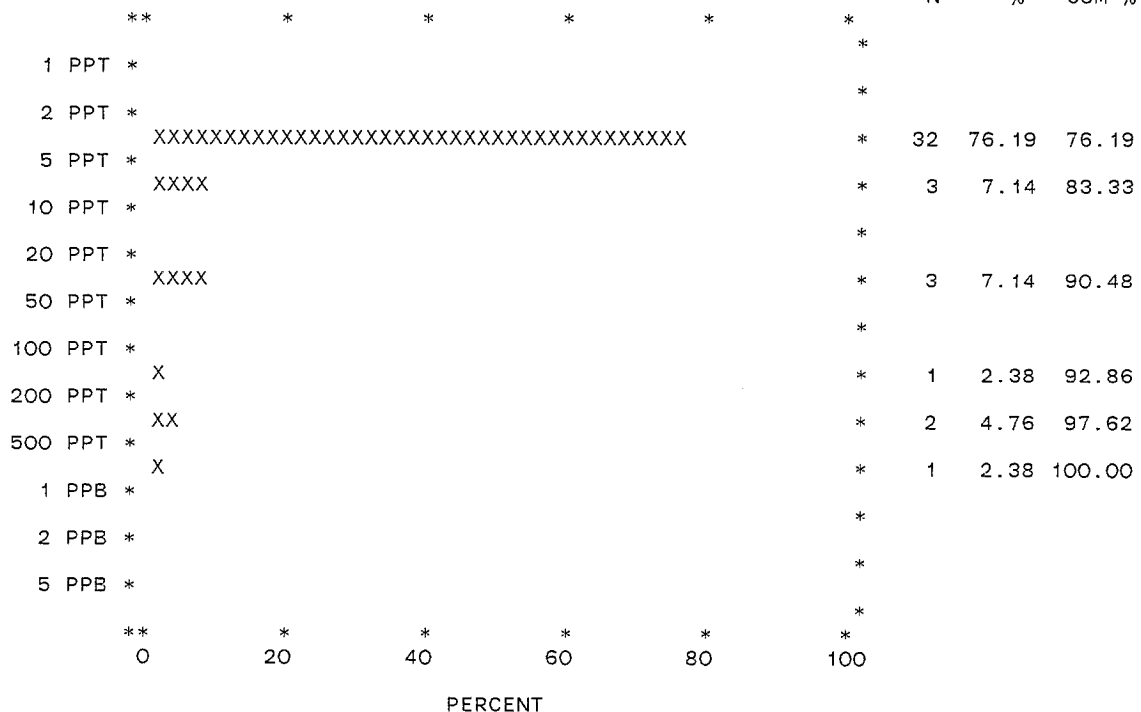
PERCENT

SUMMARY STATISTICS

|                                 |         |
|---------------------------------|---------|
| TOTAL NUMBER OF SAMPLES         | 8       |
| NUMBER OF ZERO VALUE SAMPLES    | 0       |
| NUMBER OF NON-ZERO SAMPLES      | 8       |
| ARITHMETIC MEAN                 | .0206   |
| VARIANCE                        | .0003   |
| STANDARD DEVIATION              | .0176   |
| SKEW                            | .5813   |
| EXCESS KURTOSIS                 | -1.1602 |
| COEFFICIENT OF VARIANCE, %      | 85.4033 |
| STANDARD ERROR OF THE MEAN      | .0062   |
| LOWER 95% LIMIT ON THE MEAN     | .0063   |
| UPPER 95% LIMIT ON THE MEAN     | .0350   |
| LOWER 95% LIMIT ON THE RANGE    | -.0200  |
| UPPER 95% LIMIT ON THE RANGE    | .0612   |
| GEOMETRIC MEAN                  | .0140   |
| LOG10 MEAN                      | -1.8530 |
| LOG10 VARIANCE                  | .1812   |
| LOG10 STANDARD DEVIATION        | .4257   |
| STANDARD ERROR ON THE MEAN      | .1505   |
| LOWER 95% LIMIT ON THE MEAN     | .0063   |
| UPPER 95% LIMIT ON THE MEAN     | .0312   |
| LOWER 95% LIMIT ON THE RANGE    | .0015   |
| UPPER 95% LIMIT ON THE RANGE    | .1345   |
| MINIMUM VALUE                   | .0050   |
| 25TH PERCENTILE OR 1ST QUARTILE | .0050   |
| 50TH PERCENTILE OR MEDIAN       | .0200   |
| 75TH PERCENTILE OR 3RD QUARTILE | .0400   |
| 80TH PERCENTILE                 | .0400   |
| 90TH PERCENTILE                 | .0500   |
| 95TH PERCENTILE                 | .0500   |
| 98TH PERCENTILE                 | .0500   |
| 99TH PERCENTILE                 | .0500   |
| MAXIMUM VALUE                   | .0500   |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 U      LKWR                      PPB                      MVCC

HISTOGRAM



SUMMARY STATISTICS

|                                 |          |
|---------------------------------|----------|
| TOTAL NUMBER OF SAMPLES         | 42       |
| NUMBER OF ZERO VALUE SAMPLES    | 0        |
| NUMBER OF NON-ZERO SAMPLES      | 42       |
| ARITHMETIC MEAN                 | .0395    |
| VARIANCE                        | .0111    |
| STANDARD DEVIATION              | .1052    |
| SKEW                            | 3.4020   |
| EXCESS KURTOSIS                 | 11.1496  |
| COEFFICIENT OF VARIANCE, %      | 266.1809 |
| STANDARD ERROR OF THE MEAN      | .0162    |
| LOWER 95% LIMIT ON THE MEAN     | .0068    |
| UPPER 95% LIMIT ON THE MEAN     | .0723    |
| LOWER 95% LIMIT ON THE RANGE    | -.1728   |
| UPPER 95% LIMIT ON THE RANGE    | .2519    |
| GEOMETRIC MEAN                  | .0090    |
| LOG10 MEAN                      | -2.0440  |
| LOG10 VARIANCE                  | .3173    |
| LOG10 STANDARD DEVIATION        | .5633    |
| STANDARD ERROR ON THE MEAN      | .0869    |
| LOWER 95% LIMIT ON THE MEAN     | .0060    |
| UPPER 95% LIMIT ON THE MEAN     | .0135    |
| LOWER 95% LIMIT ON THE RANGE    | .0007    |
| UPPER 95% LIMIT ON THE RANGE    | .1239    |
| MINIMUM VALUE                   | .0050    |
| 25TH PERCENTILE OR 1ST QUARTILE | .0050    |
| 50TH PERCENTILE OR MEDIAN       | .0050    |
| 75TH PERCENTILE OR 3RD QUARTILE | .0050    |
| 80TH PERCENTILE                 | .0100    |
| 90TH PERCENTILE                 | .0200    |
| 95TH PERCENTILE                 | .0320    |
| 98TH PERCENTILE                 | .0530    |
| 99TH PERCENTILE                 | .0530    |
| MAXIMUM VALUE                   | .0530    |

| VARIABLE NAME<br>U LKWR | UNIT OF MEASUREMENT<br>PPB | DATA SUBSET<br>UKNN | HISTOGRAM |    |       | SUMMARY STATISTICS              |  |  |          |
|-------------------------|----------------------------|---------------------|-----------|----|-------|---------------------------------|--|--|----------|
|                         |                            |                     | N         | %  | CUM % |                                 |  |  |          |
| **                      | *                          | *                   | *         | *  | *     |                                 |  |  |          |
| 1 PPT *                 |                            |                     |           |    |       | TOTAL NUMBER OF SAMPLES         |  |  | 73       |
| 2 PPT *                 |                            |                     |           |    |       | NUMBER OF ZERO VALUE SAMPLES    |  |  | 0        |
| 5 PPT *                 |                            |                     |           |    |       | NUMBER OF NON-ZERO SAMPLES      |  |  | 73       |
| 10 PPT *                |                            |                     |           |    |       | ARITHMETIC MEAN                 |  |  | .0210    |
| 20 PPT *                |                            |                     |           |    |       | VARIANCE                        |  |  | .0021    |
| 50 PPT *                |                            |                     |           |    |       | STANDARD DEVIATION              |  |  | .0460    |
| 100 PPT *               |                            |                     |           |    |       | SKEW                            |  |  | 3.9233   |
| 200 PPT *               |                            |                     |           |    |       | EXCESS KURTOSIS                 |  |  | 15.1385  |
| 500 PPT *               |                            |                     |           |    |       | COEFFICIENT OF VARIANCE, %      |  |  | 218.7593 |
| 1 PPB *                 |                            |                     |           |    |       | STANDARD ERROR OF THE MEAN      |  |  | .0054    |
| 2 PPB *                 |                            |                     |           |    |       | LOWER 95% LIMIT ON THE MEAN     |  |  | .0103    |
| 5 PPB *                 |                            |                     |           |    |       | UPPER 95% LIMIT ON THE MEAN     |  |  | .0318    |
|                         |                            |                     |           |    |       | LOWER 95% LIMIT ON THE RANGE    |  |  | -.0707   |
|                         |                            |                     |           |    |       | UPPER 95% LIMIT ON THE RANGE    |  |  | .1127    |
|                         |                            |                     |           |    |       | GEOMETRIC MEAN                  |  |  | .0092    |
|                         |                            |                     |           |    |       | LOG10 MEAN                      |  |  | -2.0346  |
|                         |                            |                     |           |    |       | LOG10 VARIANCE                  |  |  | .1909    |
|                         |                            |                     |           |    |       | LOG10 STANDARD DEVIATION        |  |  | .4369    |
| **                      | *                          | *                   | *         | *  | *     | STANDARD ERROR ON THE MEAN      |  |  | .0511    |
| 0                       | 20                         | 40                  | 60        | 80 | 100   | LOWER 95% LIMIT ON THE MEAN     |  |  | .0073    |
|                         |                            |                     |           |    |       | UPPER 95% LIMIT ON THE MEAN     |  |  | .0117    |
|                         |                            |                     |           |    |       | LOWER 95% LIMIT ON THE RANGE    |  |  | .0012    |
|                         |                            |                     |           |    |       | UPPER 95% LIMIT ON THE RANGE    |  |  | .0686    |
|                         |                            |                     |           |    |       | MINIMUM VALUE                   |  |  | .0050    |
|                         |                            |                     |           |    |       | 25TH PERCENTILE OR 1ST QUARTILE |  |  | .0050    |
|                         |                            |                     |           |    |       | 50TH PERCENTILE OR MEDIAN       |  |  | .0050    |
|                         |                            |                     |           |    |       | 75TH PERCENTILE OR 3RD QUARTILE |  |  | .0100    |
|                         |                            |                     |           |    |       | 80TH PERCENTILE                 |  |  | .0200    |
|                         |                            |                     |           |    |       | 90TH PERCENTILE                 |  |  | .0400    |
|                         |                            |                     |           |    |       | 95TH PERCENTILE                 |  |  | .1100    |
|                         |                            |                     |           |    |       | 98TH PERCENTILE                 |  |  | .2500    |
|                         |                            |                     |           |    |       | 99TH PERCENTILE                 |  |  | .2500    |
|                         |                            |                     |           |    |       | MAXIMUM VALUE                   |  |  | .2500    |

SUMMARY STATISTICS

| SUBSET | VARIABLE | UNITS | N   | ARITH<br>MEAN | STD<br>DEV | CV %     | SKEW  | EXCESS<br>KURT | 95% LIMITS<br>ON MEAN | GEOM<br>MEAN | LOG 10<br>MEAN | STD<br>DEV      | 95% LIMITS<br>ON MEAN   |
|--------|----------|-------|-----|---------------|------------|----------|-------|----------------|-----------------------|--------------|----------------|-----------------|-------------------------|
| DIBS   | U        | LKWR  | PPB | 252           | .530E-01   | .133     | 250.6 | 4.87           | 30.13                 | .365E-01     | .695E-01       | .126E-01-1.8992 | .6271 .105E-01 .151E-01 |
| SMRK   | U        | LKWR  | PPB | 93            | .306       | .568     | 185.8 | 3.28           | 12.77                 | .189         | .423           | .668E-01-1.1755 | .8402 .448E-01 .994E-01 |
| ARGL   | U        | LKWR  | PPB | 29            | .222E-01   | .618E-01 | 278.0 | 4.54           | 19.81                 | -.124E-02    | .457E-01       | .853E-02-2.0689 | .4331 .584E-02 .125E-01 |
| CHRT   | U        | LKWR  | PPB | 2             | .193       | .265     | 137.7 | 0.00           | -2.00                 | -.614        | .999           | .436E-01-1.3606 | 1.3299 .392E-05 485.    |
| GRNT   | U        | LKWR  | PPB | 66            | .234       | .363     | 155.2 | 4.91           | 30.45                 | .145         | .323           | .894E-01-1.0488 | .7091 .598E-01 .133     |
| GRNG   | U        | LKWR  | PPB | 283           | .100       | .179     | 178.5 | 2.77           | 8.73                  | .793E-01     | .121           | .278E-01-1.5566 | .6911 .230E-01 .334E-01 |
| UMFC   | U        | LKWR  | PPB | 1             | .500E-02   | .100E-05 | .0    | .00            | .00                   | .500E-02     | .500E-02       | .500E-02-2.3010 | .0000 .500E-02 .500E-02 |
| CGLM   | U        | LKWR  | PPB | 25            | .264E-01   | .382E-01 | 144.6 | 1.78           | 2.50                  | .107E-01     | .421E-01       | .113E-01-1.9478 | .5361 .678E-02 .188E-01 |
| GRCK   | U        | LKWR  | PPB | 45            | .413E-01   | .821E-01 | 198.7 | 4.04           | 18.36                 | .167E-01     | .660E-01       | .161E-01-1.7921 | .5368 .111E-01 .234E-01 |
| BEXV   | U        | LKWR  | PPB | 8             | .206E-01   | .176E-01 | 85.4  | .58            | -1.16                 | .626E-02     | .350E-01       | .140E-01-1.8530 | .4257 .631E-02 .312E-01 |
| MVCC   | U        | LKWR  | PPB | 42            | .395E-01   | .105     | 266.2 | 3.40           | 11.15                 | .676E-02     | .723E-01       | .904E-02-2.0440 | .5633 .603E-02 .135E-01 |
| UKNN   | U        | LKWR  | PPB | 73            | .210E-01   | .460E-01 | 218.8 | 3.92           | 15.14                 | .103E-01     | .318E-01       | .923E-02-2.0346 | .4369 .730E-02 .117E-01 |

| SUBSET | VARIABLE | UNITS | N   | MIN<br>VALUE | ----- PERCENTILE ----- |      |      |      |      |      |       |       | MAX<br>VALUE |       |
|--------|----------|-------|-----|--------------|------------------------|------|------|------|------|------|-------|-------|--------------|-------|
|        |          |       |     |              | 25TH                   | 50TH | 75TH | 80TH | 90TH | 95TH | 98TH  | 99TH  |              |       |
| DIBS   | U        | LKWR  | PPB | 252          | .005                   | .005 | .005 | .030 | .060 | .150 | .280  | .540  | .570         | 1.200 |
| SMRK   | U        | LKWR  | PPB | 93           | .005                   | .010 | .090 | .340 | .430 | .800 | 1.700 | 2.000 | 3.600        | 3.600 |
| ARGL   | U        | LKWR  | PPB | 29           | .005                   | .005 | .005 | .010 | .020 | .020 | .330  | .330  | .330         | .330  |
| CHRT   | U        | LKWR  | PPB | 2            | .005                   | .005 | .380 | .380 | .380 | .380 | .380  | .380  | .380         | .380  |
| GRNT   | U        | LKWR  | PPB | 66           | .005                   | .020 | .200 | .320 | .360 | .520 | .720  | 2.700 | 2.700        | 2.700 |
| GRNG   | U        | LKWR  | PPB | 283          | .005                   | .005 | .020 | .110 | .150 | .360 | .510  | .690  | .860         | 1.200 |
| UMFC   | U        | LKWR  | PPB | 1            | .005                   | .005 | .005 | .005 | .005 | .005 | .005  | .005  | .005         | .005  |
| CGLM   | U        | LKWR  | PPB | 25           | .005                   | .005 | .005 | .050 | .070 | .080 | .150  | .150  | .150         | .150  |
| GRCK   | U        | LKWR  | PPB | 45           | .005                   | .005 | .010 | .050 | .060 | .130 | .220  | .490  | .490         | .490  |
| BEXV   | U        | LKWR  | PPB | 8            | .005                   | .005 | .020 | .040 | .040 | .050 | .050  | .050  | .050         | .050  |
| MVCC   | U        | LKWR  | PPB | 42           | .005                   | .005 | .005 | .005 | .010 | .200 | .320  | .530  | .530         | .530  |
| UKNN   | U        | LKWR  | PPB | 73           | .005                   | .005 | .005 | .010 | .020 | .040 | .110  | .250  | .250         | .250  |

| VARIABLE NAME | UNIT OF MEASUREMENT                                  | DATA SUBSET |    |     |             | SUMMARY STATISTICS              |          |
|---------------|--|-------------|----|-----|-------------|---------------------------------|----------|
| F LKWR        | PPB  | DIBS        | N  | %   | CUM %       |                                 |          |
| HISTOGRAM     |  |             |    |     |             |                                 |          |
| **            | *  | *           | *  | *   | *           | TOTAL NUMBER OF SAMPLES         | 253      |
| 1 PPB *       |  |             | *  |     |             | NUMBER OF ZERO VALUE SAMPLES    | 0        |
| 2 PPB *       |  |             | *  |     |             | NUMBER OF NON-ZERO SAMPLES      | 253      |
| 5 PPB *       |  |             | *  |     |             | ARITHMETIC MEAN                 | 37.2332  |
| 10 PPB *      |  |             | *  |     |             | VARIANCE                        | 271.1398 |
| 20 PPB *      |  |             | *  | 5   | 1.98 1.98   | STANDARD DEVIATION              | 16.4663  |
| 50 PPB *      | XX |             | *  | 216 | 85.38 87.35 | SKEW                            | 3.3636   |
| 100 PPB *     | XXXXXX   |             | *  | 28  | 11.07 98.42 | EXCESS KURTOSIS                 | 16.2106  |
| 200 PPB *     | X  |             | *  | 4   | 1.58 100.00 | COEFFICIENT OF VARIANCE, %      | 44.2248  |
| 500 PPB *     |  |             | *  |     |             | STANDARD ERROR OF THE MEAN      | 1.0352   |
| 1 PPM *       |  |             | *  |     |             | LOWER 95% LIMIT ON THE MEAN     | 35.1939  |
| 2 PPM *       |  |             | *  |     |             | UPPER 95% LIMIT ON THE MEAN     | 39.2725  |
| 5 PPM *       |  |             | *  |     |             | LOWER 95% LIMIT ON THE RANGE    | 4.7965   |
| **            | *  | *           | *  | *   | *           | UPPER 95% LIMIT ON THE RANGE    | 69.6699  |
| 0             | 20   | 40          | 60 | 80  | 100         | GEOMETRIC MEAN                  | 34.9342  |
| PERCENT       |  |             |    |     |             | LOG10 MEAN                      | 1.5433   |
|               |  |             |    |     |             | LOG10 VARIANCE                  | .0206    |
|               |  |             |    |     |             | LOG10 STANDARD DEVIATION        | .1436    |
|               |  |             |    |     |             | STANDARD ERROR ON THE MEAN      | .0090    |
|               |  |             |    |     |             | LOWER 95% LIMIT ON THE MEAN     | 33.5327  |
|               |  |             |    |     |             | UPPER 95% LIMIT ON THE MEAN     | 36.3943  |
|               |  |             |    |     |             | LOWER 95% LIMIT ON THE RANGE    | 18.2138  |
|               |  |             |    |     |             | UPPER 95% LIMIT ON THE RANGE    | 67.0041  |
|               |  |             |    |     |             | MINIMUM VALUE                   | 20.0000  |
|               |  |             |    |     |             | 25TH PERCENTILE OR 1ST QUARTILE | 28.0000  |
|               |  |             |    |     |             | 50TH PERCENTILE OR MEDIAN       | 32.0000  |
|               |  |             |    |     |             | 75TH PERCENTILE OR 3RD QUARTILE | 40.0000  |
|               |  |             |    |     |             | 80TH PERCENTILE                 | 44.0000  |
|               |  |             |    |     |             | 90TH PERCENTILE                 | 54.0000  |
|               |  |             |    |     |             | 95TH PERCENTILE                 | 64.0000  |
|               |  |             |    |     |             | 98TH PERCENTILE                 | 84.0000  |
|               |  |             |    |     |             | 99TH PERCENTILE                 | 110.0000 |
|               |  |             |    |     |             | MAXIMUM VALUE                   | 150.0000 |

VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 F      LKWR                      PPB                      SMRK

| HISTOGRAM |                              |    |    |    |     | SUMMARY STATISTICS |       |                                 |          |
|-----------|------------------------------|----|----|----|-----|--------------------|-------|---------------------------------|----------|
|           |                              |    |    |    | N   | %                  | CUM % |                                 |          |
| **        | *                            | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES         | 94       |
|           |                              |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES    | 0        |
| 1 PPB     | *                            |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES      | 94       |
| 2 PPB     | *                            |    |    |    | *   |                    |       |                                 |          |
| 5 PPB     | *                            |    |    |    | *   |                    |       | ARITHMETIC MEAN                 | 50.2979  |
| 10 PPB    | *                            |    |    |    | *   |                    |       | VARIANCE                        | 358.6200 |
|           | X                            |    |    |    | *   | 1                  | 1.06  | STANDARD DEVIATION              | 18.9373  |
| 20 PPB    | *                            |    |    |    | *   | 48                 | 51.06 | SKEW                            | 1.0864   |
|           | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *   |                    |       | EXCESS KURTOSIS                 | 2.4432   |
| 50 PPB    | *                            |    |    |    | *   | 43                 | 45.74 | COEFFICIENT OF VARIANCE, %      | 37.6502  |
|           | XXXXXXXXXXXXXXXXXXXXXXXXXXXX |    |    |    | *   |                    |       | STANDARD ERROR OF THE MEAN      | 1.9532   |
| 100 PPB   | *                            |    |    |    | *   | 2                  | 2.13  | LOWER 95% LIMIT ON THE MEAN     | 46.4189  |
|           | X                            |    |    |    | *   |                    |       | UPPER 95% LIMIT ON THE MEAN     | 54.1768  |
| 200 PPB   | *                            |    |    |    | *   |                    |       | LOWER 95% LIMIT ON THE RANGE    | 12.6900  |
| 500 PPB   | *                            |    |    |    | *   |                    |       | UPPER 95% LIMIT ON THE RANGE    | 87.9058  |
| 1 PPM     | *                            |    |    |    | *   |                    |       |                                 |          |
| 2 PPM     | *                            |    |    |    | *   |                    |       | GEOMETRIC MEAN                  | 46.9886  |
| 5 PPM     | *                            |    |    |    | *   |                    |       | LOG10 MEAN                      | 1.6720   |
|           |                              |    |    |    | *   |                    |       | LOG10 VARIANCE                  | .0265    |
| **        | *                            | *  | *  | *  | *   |                    |       | LOG10 STANDARD DEVIATION        | .1628    |
| 0         | 20                           | 40 | 60 | 80 | 100 |                    |       | STANDARD ERROR ON THE MEAN      | .0168    |
|           |                              |    |    |    |     |                    |       | LOWER 95% LIMIT ON THE MEAN     | 43.5155  |
|           |                              |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE MEAN     | 50.7388  |
|           |                              |    |    |    |     |                    |       | LOWER 95% LIMIT ON THE RANGE    | 22.3187  |
|           |                              |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE RANGE    | 98.9272  |
|           |                              |    |    |    |     |                    |       | MINIMUM VALUE                   | 20.0000  |
|           |                              |    |    |    |     |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | 38.0000  |
|           |                              |    |    |    |     |                    |       | 50TH PERCENTILE OR MEDIAN       | 50.0000  |
|           |                              |    |    |    |     |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | 60.0000  |
|           |                              |    |    |    |     |                    |       | 80TH PERCENTILE                 | 66.0000  |
|           |                              |    |    |    |     |                    |       | 90TH PERCENTILE                 | 70.0000  |
|           |                              |    |    |    |     |                    |       | 95TH PERCENTILE                 | 80.0000  |
|           |                              |    |    |    |     |                    |       | 98TH PERCENTILE                 | 120.0000 |
|           |                              |    |    |    |     |                    |       | 99TH PERCENTILE                 | 120.0000 |
|           |                              |    |    |    |     |                    |       | MAXIMUM VALUE                   | 120.0000 |

PERCENT





| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| F LKWR        | PPB                 | CHRT        |

SUMMARY STATISTICS

|                              |   |
|------------------------------|---|
| TOTAL NUMBER OF SAMPLES      | 2 |
| NUMBER OF ZERO VALUE SAMPLES | 0 |
| NUMBER OF NON-ZERO SAMPLES   | 2 |

|                    |           |
|--------------------|-----------|
| ARITHMETIC MEAN    | 107.0000  |
| VARIANCE           | 3698.0000 |
| STANDARD DEVIATION | 60.8112   |
| SKEW               | 0.0000    |
| EXCESS KURTOSIS    | -2.0000   |

|                            |         |
|----------------------------|---------|
| COEFFICIENT OF VARIANCE, % | 56.8329 |
|----------------------------|---------|

|                             |          |
|-----------------------------|----------|
| STANDARD ERROR OF THE MEAN  | 43.0000  |
| LOWER 95% LIMIT ON THE MEAN | -78.0290 |
| UPPER 95% LIMIT ON THE MEAN | 292.0290 |

|                              |           |
|------------------------------|-----------|
| LOWER 95% LIMIT ON THE RANGE | -154.6705 |
| UPPER 95% LIMIT ON THE RANGE | 368.6705  |

|                          |         |
|--------------------------|---------|
| GEOMETRIC MEAN           | 97.9796 |
| LOG10 MEAN               | 1.9911  |
| LOG10 VARIANCE           | .0684   |
| LOG10 STANDARD DEVIATION | .2616   |

|                             |          |
|-----------------------------|----------|
| STANDARD ERROR ON THE MEAN  | .1850    |
| LOWER 95% LIMIT ON THE MEAN | 15.6773  |
| UPPER 95% LIMIT ON THE MEAN | 612.3500 |

|                              |           |
|------------------------------|-----------|
| LOWER 95% LIMIT ON THE RANGE | 7.3386    |
| UPPER 95% LIMIT ON THE RANGE | 1308.1498 |

|                                 |          |
|---------------------------------|----------|
| MINIMUM VALUE                   | 64.0000  |
| 25TH PERCENTILE OR 1ST QUARTILE | 64.0000  |
| 50TH PERCENTILE OR MEDIAN       | 150.0000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 150.0000 |
| 80TH PERCENTILE                 | 150.0000 |
| 90TH PERCENTILE                 | 150.0000 |
| 95TH PERCENTILE                 | 150.0000 |
| 98TH PERCENTILE                 | 150.0000 |
| 99TH PERCENTILE                 | 150.0000 |
| MAXIMUM VALUE                   | 150.0000 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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| VARIABLE NAME |  | UNIT OF MEASUREMENT | DATA SUBSET |    |     |       |        | SUMMARY STATISTICS              |          |
|---------------|--|---------------------|-------------|----|-----|-------|--------|---------------------------------|----------|
| F             | LKWR   | PPB                 | GRNG        |    | N   | %     | CUM %  |                                 |          |
| HISTOGRAM     |  |                     |             |    |     |       |        |                                 |          |
| **            | *  | *                   | *           | *  | *   |       |        | TOTAL NUMBER OF SAMPLES         | 284      |
| 100 PPT       | *  |                     |             | *  |     |       |        | NUMBER OF ZERO VALUE SAMPLES    | 0        |
| 200 PPT       | *  |                     |             | *  |     |       |        | NUMBER OF NON-ZERO SAMPLES      | 284      |
| 500 PPT       | *  |                     |             | *  |     |       |        | ARITHMETIC MEAN                 | 38.5423  |
| 1 PPB         | *  |                     |             | *  |     |       |        | VARIANCE                        | 162.8286 |
| 2 PPB         | *  |                     |             | *  |     |       |        | STANDARD DEVIATION              | 12.7604  |
| 5 PPB         | *  |                     |             | *  |     |       |        | SKEW                            | 2.5043   |
| 10 PPB        | I  |                     |             | *  | 1   | .35   | .35    | EXCESS KURTOSIS                 | 14.7999  |
| 20 PPB        | XX   |                     |             | *  | 9   | 3.17  | 3.52   | COEFFICIENT OF VARIANCE, %      | 33.1076  |
| 50 PPB        | XX |                     |             | *  | 244 | 85.92 | 89.44  | STANDARD ERROR OF THE MEAN      | .7572    |
| 100 PPB       | XXXXXX                                       |                     |             | *  | 29  | 10.21 | 99.65  | LOWER 95% LIMIT ON THE MEAN     | 37.0516  |
| 200 PPB       | I  |                     |             | *  | 1   | .35   | 100.00 | UPPER 95% LIMIT ON THE MEAN     | 40.0329  |
| 500 PPB       | *  |                     |             | *  |     |       |        | LOWER 95% LIMIT ON THE RANGE    | 13.4216  |
| 1 PPM         | *  |                     |             | *  |     |       |        | UPPER 95% LIMIT ON THE RANGE    | 63.6629  |
| 2 PPM         | *  |                     |             | *  |     |       |        | GEOMETRIC MEAN                  | 36.8146  |
| 5 PPM         | *  |                     |             | *  |     |       |        | LOG10 MEAN                      | 1.5660   |
|               | **   | *                   | *           | *  | *   |       |        | LOG10 VARIANCE                  | .0169    |
|               | 0  | 20                  | 40          | 60 | 80  | 100   |        | LOG10 STANDARD DEVIATION        | .1300    |
|               |  |                     |             |    |     |       |        | STANDARD ERROR ON THE MEAN      | .0077    |
|               |  |                     |             |    |     |       |        | LOWER 95% LIMIT ON THE MEAN     | 35.5493  |
|               |  |                     |             |    |     |       |        | UPPER 95% LIMIT ON THE MEAN     | 38.1250  |
|               |  |                     |             |    |     |       |        | LOWER 95% LIMIT ON THE RANGE    | 20.4194  |
|               |  |                     |             |    |     |       |        | UPPER 95% LIMIT ON THE RANGE    | 66.3739  |
|               |  |                     |             |    |     |       |        | MINIMUM VALUE                   | 10.0000  |
|               |  |                     |             |    |     |       |        | 25TH PERCENTILE OR 1ST QUARTILE | 32.0000  |
|               |  |                     |             |    |     |       |        | 50TH PERCENTILE OR MEDIAN       | 38.0000  |
|               |  |                     |             |    |     |       |        | 75TH PERCENTILE OR 3RD QUARTILE | 44.0000  |
|               |  |                     |             |    |     |       |        | 80TH PERCENTILE                 | 46.0000  |
|               |  |                     |             |    |     |       |        | 90TH PERCENTILE                 | 52.0000  |
|               |  |                     |             |    |     |       |        | 95TH PERCENTILE                 | 60.0000  |
|               |  |                     |             |    |     |       |        | 98TH PERCENTILE                 | 70.0000  |
|               |  |                     |             |    |     |       |        | 99TH PERCENTILE                 | 80.0000  |
|               |  |                     |             |    |     |       |        | MAXIMUM VALUE                   | 140.0000 |

| VARIABLE NAME | UNIT OF MEASUREMENT | DATA SUBSET |
|---------------|---------------------|-------------|
| F LKWR        | PPB                 | UMFC        |

SUMMARY STATISTICS

|                              |   |
|------------------------------|---|
| TOTAL NUMBER OF SAMPLES      | 1 |
| NUMBER OF ZERO VALUE SAMPLES | 0 |
| NUMBER OF NON-ZERO SAMPLES   | 1 |

|                    |         |
|--------------------|---------|
| ARITHMETIC MEAN    | 32.0000 |
| VARIANCE           | .0000   |
| STANDARD DEVIATION | .0000   |
| SKEW               | .0000   |
| EXCESS KURTOSIS    | .0000   |

|                            |       |
|----------------------------|-------|
| COEFFICIENT OF VARIANCE, % | .0000 |
|----------------------------|-------|

|                             |         |
|-----------------------------|---------|
| STANDARD ERROR OF THE MEAN  | .0000   |
| LOWER 95% LIMIT ON THE MEAN | 32.0000 |
| UPPER 95% LIMIT ON THE MEAN | 32.0000 |

|                              |         |
|------------------------------|---------|
| LOWER 95% LIMIT ON THE RANGE | 32.0000 |
| UPPER 95% LIMIT ON THE RANGE | 32.0000 |

|                          |         |
|--------------------------|---------|
| GEOMETRIC MEAN           | 32.0000 |
| LOG10 MEAN               | 1.5051  |
| LOG10 VARIANCE           | .0000   |
| LOG10 STANDARD DEVIATION | .0000   |

|                             |         |
|-----------------------------|---------|
| STANDARD ERROR ON THE MEAN  | .0000   |
| LOWER 95% LIMIT ON THE MEAN | 32.0000 |
| UPPER 95% LIMIT ON THE MEAN | 32.0000 |

|                              |         |
|------------------------------|---------|
| LOWER 95% LIMIT ON THE RANGE | 32.0000 |
| UPPER 95% LIMIT ON THE RANGE | 32.0000 |

|                                 |         |
|---------------------------------|---------|
| MINIMUM VALUE                   | 32.0000 |
| 25TH PERCENTILE OR 1ST QUARTILE | 32.0000 |
| 50TH PERCENTILE OR MEDIAN       | 32.0000 |
| 75TH PERCENTILE OR 3RD QUARTILE | 32.0000 |
| 80TH PERCENTILE                 | 32.0000 |
| 90TH PERCENTILE                 | 32.0000 |
| 95TH PERCENTILE                 | 32.0000 |
| 98TH PERCENTILE                 | 32.0000 |
| 99TH PERCENTILE                 | 32.0000 |
| MAXIMUM VALUE                   | 32.0000 |

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NUMBER OF NON-ZERO SAMPLES IS LT 3 - NO HISTOGRAM

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| VARIABLE NAME | UNIT OF MEASUREMENT                                  | DATA SUBSET |    |    |        | SUMMARY STATISTICS              |          |
|---------------|--|-------------|----|----|--------|---------------------------------|----------|
| F LKWR        | PPB  | GRCK        | N  | %  | CUM %  |                                 |          |
| HISTOGRAM     |  |             |    |    |        |                                 |          |
| **            | *  | *           | *  | *  | *      |                                 |          |
| 1 PPB *       |  |             | *  |    |        | TOTAL NUMBER OF SAMPLES         | 45       |
| 2 PPB *       |  |             | *  |    |        | NUMBER OF ZERO VALUE SAMPLES    | 0        |
| 5 PPB *       |  |             | *  |    |        | NUMBER OF NON-ZERO SAMPLES      | 45       |
| 10 PPB *      |  |             | *  |    |        | ARITHMETIC MEAN                 | 38.5333  |
| 20 PPB *      |  |             | *  |    |        | VARIANCE                        | 129.5273 |
| 50 PPB *      | XX |             | *  | 40 | 88.89  | STANDARD DEVIATION              | 11.3810  |
| 100 PPB *     | XXXXXX   |             | *  | 5  | 11.11  | SKEW                            | 1.5274   |
| 200 PPB *     |  |             | *  |    | 100.00 | EXCESS KURTOSIS                 | 2.7815   |
| 500 PPB *     |  |             | *  |    |        | COEFFICIENT OF VARIANCE, %      | 29.5355  |
| **            | *  | *           | *  | *  | *      | STANDARD ERROR OF THE MEAN      | 1.6966   |
| 0             | 20   | 40          | 60 | 80 | 100    | LOWER 95% LIMIT ON THE MEAN     | 35.1156  |
|               |  |             |    |    |        | UPPER 95% LIMIT ON THE MEAN     | 41.9511  |
|               |  |             |    |    |        | LOWER 95% LIMIT ON THE RANGE    | 15.6063  |
|               |  |             |    |    |        | UPPER 95% LIMIT ON THE RANGE    | 61.4604  |
|               |  |             |    |    |        | GEOMETRIC MEAN                  | 37.1546  |
|               |  |             |    |    |        | LOG10 MEAN                      | 1.5700   |
|               |  |             |    |    |        | LOG10 VARIANCE                  | .0132    |
|               |  |             |    |    |        | LOG10 STANDARD DEVIATION        | .1149    |
|               |  |             |    |    |        | STANDARD ERROR ON THE MEAN      | .0171    |
|               |  |             |    |    |        | LOWER 95% LIMIT ON THE MEAN     | 34.3164  |
|               |  |             |    |    |        | UPPER 95% LIMIT ON THE MEAN     | 40.2275  |
|               |  |             |    |    |        | LOWER 95% LIMIT ON THE RANGE    | 21.8025  |
|               |  |             |    |    |        | UPPER 95% LIMIT ON THE RANGE    | 63.3168  |
|               |  |             |    |    |        | MINIMUM VALUE                   | 24.0000  |
|               |  |             |    |    |        | 25TH PERCENTILE OR 1ST QUARTILE | 32.0000  |
|               |  |             |    |    |        | 50TH PERCENTILE OR MEDIAN       | 36.0000  |
|               |  |             |    |    |        | 75TH PERCENTILE OR 3RD QUARTILE | 44.0000  |
|               |  |             |    |    |        | 80TH PERCENTILE                 | 46.0000  |
|               |  |             |    |    |        | 90TH PERCENTILE                 | 52.0000  |
|               |  |             |    |    |        | 95TH PERCENTILE                 | 64.0000  |
|               |  |             |    |    |        | 98TH PERCENTILE                 | 80.0000  |
|               |  |             |    |    |        | 99TH PERCENTILE                 | 80.0000  |
|               |  |             |    |    |        | MAXIMUM VALUE                   | 80.0000  |



VARIABLE NAME      UNIT OF MEASUREMENT      DATA SUBSET  
 F      LKWR                      PPB                      MVCC

| HISTOGRAM                                    |    |    |    |    |     | SUMMARY STATISTICS |       |                                 |          |
|--|----|----|----|----|-----|--------------------|-------|---------------------------------|----------|
|  |    |    |    |    | N   | %                  | CUM % |                                 |          |
| **   | *  | *  | *  | *  | *   |                    |       | TOTAL NUMBER OF SAMPLES         | 42       |
|  |    |    |    |    | *   |                    |       | NUMBER OF ZERO VALUE SAMPLES    | 0        |
| 100 PPT *                                    |    |    |    |    | *   |                    |       | NUMBER OF NON-ZERO SAMPLES      | 42       |
| 200 PPT *                                    |    |    |    |    | *   |                    |       |                                 |          |
| 500 PPT *                                    |    |    |    |    | *   |                    |       | ARITHMETIC MEAN                 | 39.1429  |
| 1 PPB *                                      |    |    |    |    | *   |                    |       | VARIANCE                        | 161.1986 |
| 2 PPB *                                      |    |    |    |    | *   |                    |       | STANDARD DEVIATION              | 12.6964  |
| 5 PPB *                                      |    |    |    |    | *   |                    |       | SKEW                            | .6777    |
| X  |    |    |    |    | *   |                    |       | EXCESS KURTOSIS                 | 1.4718   |
| 10 PPB *                                     |    |    |    |    | *   | 1                  | 2.38  | COEFFICIENT OF VARIANCE, %      | 32.4361  |
| X  |    |    |    |    | *   | 1                  | 2.38  | STANDARD ERROR OF THE MEAN      | 1.9591   |
| 20 PPB *                                     |    |    |    |    | *   | 1                  | 2.38  | LOWER 95% LIMIT ON THE MEAN     | 35.1886  |
| XX |    |    |    |    | *   | 34                 | 80.95 | UPPER 95% LIMIT ON THE MEAN     | 43.0971  |
| 50 PPB *                                     |    |    |    |    | *   | 34                 | 80.95 | LOWER 95% LIMIT ON THE RANGE    | 13.5164  |
| XXXXXXXXXX                                   |    |    |    |    | *   | 6                  | 14.29 | UPPER 95% LIMIT ON THE RANGE    | 64.7693  |
| 100 PPB *                                    |    |    |    |    | *   | 6                  | 14.29 | 100.00                          |          |
| 200 PPB *                                    |    |    |    |    | *   |                    |       | GEOMETRIC MEAN                  | 37.0305  |
| 500 PPB *                                    |    |    |    |    | *   |                    |       | LOG10 MEAN                      | 1.5686   |
| **   | *  | *  | *  | *  | *   |                    |       | LOG10 VARIANCE                  | .0236    |
| 0  | 20 | 40 | 60 | 80 | 100 |                    |       | LOG10 STANDARD DEVIATION        | .1537    |
|  |    |    |    |    |     |                    |       | STANDARD ERROR ON THE MEAN      | .0237    |
|  |    |    |    |    |     |                    |       | LOWER 95% LIMIT ON THE MEAN     | 33.1657  |
|  |    |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE MEAN     | 41.3456  |
|  |    |    |    |    |     |                    |       | LOWER 95% LIMIT ON THE RANGE    | 18.1271  |
|  |    |    |    |    |     |                    |       | UPPER 95% LIMIT ON THE RANGE    | 75.6468  |
|  |    |    |    |    |     |                    |       | MINIMUM VALUE                   | 10.0000  |
|  |    |    |    |    |     |                    |       | 25TH PERCENTILE OR 1ST QUARTILE | 32.0000  |
|  |    |    |    |    |     |                    |       | 50TH PERCENTILE OR MEDIAN       | 36.0000  |
|  |    |    |    |    |     |                    |       | 75TH PERCENTILE OR 3RD QUARTILE | 46.0000  |
|  |    |    |    |    |     |                    |       | 80TH PERCENTILE                 | 50.0000  |
|  |    |    |    |    |     |                    |       | 90TH PERCENTILE                 | 54.0000  |
|  |    |    |    |    |     |                    |       | 95TH PERCENTILE                 | 66.0000  |
|  |    |    |    |    |     |                    |       | 98TH PERCENTILE                 | 80.0000  |
|  |    |    |    |    |     |                    |       | 99TH PERCENTILE                 | 80.0000  |
|  |    |    |    |    |     |                    |       | MAXIMUM VALUE                   | 80.0000  |

PERCENT





SUMMARY STATISTICS

| SUBSET | VARIABLE | UNITS | N   | ARITH<br>MEAN | STD<br>DEV | CV %     | SKEW  | EXCESS<br>KURT | 95% LIMITS<br>ON MEAN | GEOM<br>MEAN | LOG 10<br>MEAN | STD<br>DEV | 95% LIMITS<br>ON MEAN |       |      |      |
|--------|----------|-------|-----|---------------|------------|----------|-------|----------------|-----------------------|--------------|----------------|------------|-----------------------|-------|------|------|
| DIBS   | F        | LKWR  | PPB | 253           | 37.2       | 16.5     | 44.2  | 3.36           | 16.21                 | 35.2         | 39.3           | 34.9       | 1.5433                | .1436 | 33.5 | 36.4 |
| SMRK   | F        | LKWR  | PPB | 94            | 50.3       | 18.9     | 37.7  | 1.09           | 2.44                  | 46.4         | 54.2           | 47.0       | 1.6720                | .1628 | 43.5 | 50.7 |
| ARGL   | F        | LKWR  | PPB | 29            | 99.2       | 147.     | 148.2 | 3.76           | 13.28                 | 43.4         | 155.           | 69.6       | 1.8426                | .2839 | 54.3 | 89.2 |
| CHRT   | F        | LKWR  | PPB | 2             | 107.       | 60.8     | 56.8  | 0.00           | -2.00                 | -78.0        | 292.           | 98.0       | 1.9911                | .2616 | 15.7 | 612. |
| GRNT   | F        | LKWR  | PPB | 66            | 39.8       | 11.2     | 28.2  | 1.14           | 1.51                  | 37.0         | 42.5           | 38.4       | 1.5843                | .1153 | 36.0 | 41.0 |
| GRNG   | F        | LKWR  | PPB | 284           | 38.5       | 12.8     | 33.1  | 2.50           | 14.80                 | 37.1         | 40.0           | 36.8       | 1.5660                | .1300 | 35.5 | 38.1 |
| UMFC   | F        | LKWR  | PPB | 1             | 32.0       | .100E-05 | .0    | .00            | .00                   | 32.0         | 32.0           | 32.0       | 1.5051                | .0000 | 32.0 | 32.0 |
| CGLM   | F        | LKWR  | PPB | 25            | 35.4       | 5.96     | 16.9  | -.30           | .48                   | 32.9         | 37.8           | 34.8       | 1.5420                | .0788 | 32.3 | 37.5 |
| GRCK   | F        | LKWR  | PPB | 45            | 38.5       | 11.4     | 29.5  | 1.53           | 2.78                  | 35.1         | 42.0           | 37.2       | 1.5700                | .1149 | 34.3 | 40.2 |
| BEXV   | F        | LKWR  | PPB | 8             | 37.3       | 4.27     | 11.5  | -.42           | -1.00                 | 33.8         | 40.7           | 37.0       | 1.5685                | .0514 | 33.6 | 40.8 |
| MVCC   | F        | LKWR  | PPB | 42            | 39.1       | 12.7     | 32.4  | .68            | 1.47                  | 35.2         | 43.1           | 37.0       | 1.5686                | .1537 | 33.2 | 41.3 |
| UKNN   | F        | LKWR  | PPB | 73            | 37.7       | 14.6     | 38.7  | 3.38           | 12.23                 | 34.3         | 41.1           | 36.0       | 1.5566                | .1196 | 33.8 | 38.4 |

| SUBSET | VARIABLE | UNITS | N   | MIN<br>VALUE | ----- PERCENTILE ----- |        |         |         |         |         |         |         |         | MAX<br>VALUE |
|--------|----------|-------|-----|--------------|------------------------|--------|---------|---------|---------|---------|---------|---------|---------|--------------|
|        |          |       |     |              | 25TH                   | 50TH   | 75TH    | 80TH    | 90TH    | 95TH    | 98TH    | 99TH    |         |              |
| DIBS   | F        | LKWR  | PPB | 253          | 20.000                 | 28.000 | 32.000  | 40.000  | 44.000  | 54.000  | 64.000  | 84.000  | 110.000 | 150.000      |
| SMRK   | F        | LKWR  | PPB | 94           | 20.000                 | 38.000 | 50.000  | 60.000  | 66.000  | 70.000  | 80.000  | 120.000 | 120.000 | 120.000      |
| ARGL   | F        | LKWR  | PPB | 29           | 34.000                 | 52.000 | 60.000  | 74.000  | 80.000  | 110.000 | 760.000 | 760.000 | 760.000 | 760.000      |
| CHRT   | F        | LKWR  | PPB | 2            | 64.000                 | 64.000 | 150.000 | 150.000 | 150.000 | 150.000 | 150.000 | 150.000 | 150.000 | 150.000      |
| GRNT   | F        | LKWR  | PPB | 66           | 22.000                 | 32.000 | 38.000  | 44.000  | 46.000  | 54.000  | 68.000  | 76.000  | 76.000  | 76.000       |
| GRNG   | F        | LKWR  | PPB | 284          | 10.000                 | 32.000 | 38.000  | 44.000  | 46.000  | 52.000  | 60.000  | 70.000  | 80.000  | 140.000      |
| UMFC   | F        | LKWR  | PPB | 1            | 32.000                 | 32.000 | 32.000  | 32.000  | 32.000  | 32.000  | 32.000  | 32.000  | 32.000  | 32.000       |
| CGLM   | F        | LKWR  | PPB | 25           | 20.000                 | 34.000 | 34.000  | 40.000  | 40.000  | 44.000  | 46.000  | 46.000  | 46.000  | 46.000       |
| GRCK   | F        | LKWR  | PPB | 45           | 24.000                 | 32.000 | 36.000  | 44.000  | 46.000  | 52.000  | 64.000  | 80.000  | 80.000  | 80.000       |
| BEXV   | F        | LKWR  | PPB | 8            | 30.000                 | 34.000 | 38.000  | 42.000  | 42.000  | 42.000  | 42.000  | 42.000  | 42.000  | 42.000       |
| MVCC   | F        | LKWR  | PPB | 42           | 10.000                 | 32.000 | 36.000  | 46.000  | 50.000  | 54.000  | 66.000  | 80.000  | 80.000  | 80.000       |
| UKNN   | F        | LKWR  | PPB | 73           | 24.000                 | 30.000 | 34.000  | 40.000  | 40.000  | 46.000  | 72.000  | 110.000 | 110.000 | 110.000      |

TABLE OF SAMPLES WITH VALUES IN EXCESS OF THE 90TH PERCENTILE

| MAP | ID     | ROCK | RATING | DISPLAY IS - BLANK 90TH + 95TH * 98TH ** 99TH *** |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
|-----|--------|------|--------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
|     |        |      |        | ZN  | CU  | PB  | NI  | CO  | AG  | MN  | AS  | MO  | FE  | HG  | LOI | U   | U   | F |
| 52A | 771002 | ARGL | 11     |   | +   |     |     |     | *** |     |     | +   |     | *** |     |     | +   |   |
| 52A | 771006 | DIBS | 6      | +   |     | +   |     | +   |     |     | +   | +   |     |     |     |     |     |   |
| 52A | 771011 | ARGL | 6      |   |     |     |     | +   |     | *** | +   |     |     |     |     |     |     |   |
| 52A | 771012 | ARGL | 4      |   |     |     |     | *** |     |     |     |     |     |     |     |     |     |   |
| 52A | 771015 | DIBS | 6      |   |     | +   | +   |     |     |     |     | *   |     |     |     |     | *   |   |
| 52A | 771016 | DIBS | 4      |   |     |     |     |     |     | *   |     |     |     | *   |     |     |     |   |
| 52A | 771018 | ARGL | 15     | ***   |     | +   | *** |     | *** |     |     |     |     | +   |     | +   |     |   |
| 52A | 771019 | DIBS | 6      |   |     | *   |     |     | +   |     |     |     |     | +   |     | +   | +   |   |
| 52A | 771022 | DIBS | 7      |   |     | +   | +   | +   | +   |     |     |     | +   |     |     |     | *   |   |
| 52A | 771023 | DIBS | 12     | *   |     | +   |     |     | **  |     |     | *   |     | *   |     |     | *   |   |
| 52A | 771024 | DIBS | 20     | ***   |     | *   | +   |     | *** |     | +   | *** |     | *** |     |     |     |   |
| 52A | 771025 | DIBS | 23     | **  |     | **  | *** | +   | *   | +   | *** | +   | *   |     |     | *   |     |   |
| 52A | 771027 | DIBS | 13     | *   |     | +   | +   |     | *   |     | +   | *   |     | **  |     |     | +   |   |
| 52A | 771028 | DIBS | 19     | **  |     | *** | +   | +   | *** |     | +   | +   |     | *** |     |     |     |   |
| 52A | 771030 | DIBS | 14     | *   |     | *   |     |     | *** |     | +   |     |     | *** |     | +   |     |   |
| 52A | 771031 | DIBS | 10     | *   |     | +   |     |     | **  |     |     |     |     | **  | +   |     |     |   |
| 52A | 771032 | ARGL | 9      | +   | *** |     | +   |     |     |     |     |     | +   | +   |     | +   |     |   |
| 52A | 771036 | DIBS | 11     | +   |     |     |     |     | *   | +   | *   | +   | *** |     |     |     |     |   |
| 52A | 771039 | DIBS | 5      |   |     | +   |     |     |     |     |     | *   |     |     |     |     | *   |   |
| 52A | 771043 | DIBS | 4      |   |     | +   |     |     |     |     |     |     |     |     |     |     | **  |   |
| 52A | 771044 | ARGL | 4      |   |     |     |     |     |     |     |     | *** |     |     |     |     |     |   |
| 52A | 771046 | ARGL | 5      |   | +   |     |     |     |     |     |     |     |     | *** |     |     |     |   |
| 52A | 771047 | DIBS | 18     | ***   | +   | **  | *** | *   |     | +   | *   |     |     |     |     | +   |     |   |
| 52A | 771050 | DIBS | 12     | *   |     | +   | *   |     | +   | +   | *   |     | *   |     |     | +   |     |   |
| 52A | 771051 | DIBS | 10     | +   |     | *** | +   |     |     |     | *   |     | +   |     |     | +   |     |   |
| 52A | 771052 | DIBS | 9      |   |     |     |     | +   | *   |     | *   |     | *** |     |     |     |     |   |
| 52A | 771053 | DIBS | 19     | *   | *** |     |     | **  | +   | **  |     |     | *** | +   |     |     | +   |   |
| 52A | 771054 | DIBS | 14     | +   | *   |     | +   |     | *   |     | *** | *   | *   |     |     |     |     |   |
| 52A | 771057 | DIBS | 4      |   |     | +   |     |     | +   |     | *   |     |     |     |     |     |     |   |
| 52A | 771059 | DIBS | 14     | *   |     | *   | *   |     | *   |     | +   |     | +   |     |     | +   | **  |   |
| 52A | 771060 | DIBS | 13     | *   |     | *   | *   |     | *   |     | *   | +   |     |     |     | +   | +   |   |
| 52A | 771063 | ARGL | 7      |   |     | *** |     | +   |     |     |     |     | +   |     |     |     | +   |   |
| 52A | 771064 | DIBS | 6      |   |     | +   |     |     |     |     |     |     | +   |     |     |     | *** |   |
| 52A | 771065 | DIBS | 8      |   |     | +   |     | +   |     |     | +   |     | +   |     |     |     | *** |   |
| 52A | 771066 | ARGL | 21     |   |     |     |     |     |     | +   | *** |     | *** |     | *** | *** | *** |   |
| 52A | 771067 | ARGL | 4      |   |     |     |     |     |     |     | +   |     |     |     | +   | +   | +   |   |
| 52A | 771068 | DIBS | 17     | ***   |     | +   | *   |     | *   |     | *   |     | **  |     |     |     | **  |   |
| 52A | 771070 | GRNG | 5      |   |     | +   |     |     |     |     |     | +   |     |     | +   |     | *   |   |
| 52A | 771071 | GRNG | 7      |   |     |     |     |     |     |     |     | *** |     | +   |     |     | *   |   |
| 52A | 771073 | GRNG | 5      |   |     |     |     |     |     |     |     | +   |     |     |     |     | *** |   |
| 52A | 771074 | GRNG | 8      |   | +   |     | *   |     |     | +   |     | *** |     |     |     |     |     |   |
| 52A | 771075 | GRNG | 4      |   |     |     |     |     |     |     |     | *** |     |     |     |     |     |   |
| 52A | 771076 | GRNG | 16     |   | *** |     | +   |     |     | +   | +   | *   | *** |     | +   |     | *   |   |
| 52A | 771078 | GRNG | 4      |   |     |     | *   |     |     |     |     | *   |     |     |     |     |     |   |
| 52A | 771079 | MVCC | 8      |   |     | +   | *   |     | +   |     | +   |     |     | *   | +   |     | *** |   |
| 52A | 771082 | MVCC | 8      |   | +   |     | *   |     | +   |     |     | *** |     |     |     |     |     |   |
| 52A | 771084 | GRNG | 5      |   |     | +   | *   |     |     | +   |     |     |     |     |     |     | +   |   |
| 52A | 771085 | MVCC | 8      |   |     | +   |     |     | +   | *   |     |     |     | *** |     |     |     |   |
| 52A | 771086 | MVCC | 4      | *   |     |     |     |     | +   |     |     | +   |     |     |     |     |     |   |
| 52A | 771091 | MVCC | 5      |   |     |     |     |     | +   |     |     | *** |     |     |     |     |     |   |

TABLE OF SAMPLES WITH VALUES IN EXCESS OF THE 90TH PERCENTILE

| MAP | ID     | ROCK | RATING | DISPLAY IS - BLANK 90TH + 95TH * 98TH ** 99TH *** |     |     |     |     |     |     |     |     |    |     |     |     |     |
|-----|--------|------|--------|---|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|
|     |        |      |        | ZN  | CU  | PB  | NI  | CO  | AG  | MN  | AS  | MO  | FE | HG  | LOI | U   | U   |
| 52A | 771093 | MVCC | 12     |   |     |     | +   | *   | +   | *** |     |     |    | *** |     |     |     |
| 52A | 771094 | MVCC | 7      |   |     |     |     |     | +   |     | *   |     |    |     | *** |     |     |
| 52A | 771095 | MVCC | 6      |   |     |     | +   | +   | +   |     | +   |     | *  |     |     |     |     |
| 52A | 771098 | MVCC | 8      |   |     | *** |     |     | +   |     | *   | +   |    |     |     |     |     |
| 52A | 771099 | CGLM | 10     |   |     |     |     |     | +   |     | +   | *** |    |     | *** |     |     |
| 52A | 771100 | MVCC | 6      |   |     |     |     |     | +   |     | *** |     |    |     |     |     | +   |
| 52A | 771109 | SMRK | 4      | +   |     |     |     |     | +   |     |     |     |    |     | +   |     | +   |
| 52A | 771130 | SMRK | 11     |   |     |     |     | +   | +   | *   |     |     |    | **  | *** |     |     |
| 52A | 771131 | SMRK | 4      |   |     |     |     |     | +   | +   |     |     | *  |     |     |     |     |
| 52A | 771136 | SMRK | 12     | ***   |     | **  |     |     | +   | **  |     |     |    |     |     | +   |     |
| 52A | 771140 | DIBS | 6      |   |     |     |     |     |     |     |     |     |    |     | *   | *** |     |
| 52A | 771144 | GRCK | 5      |   |     |     |     |     | +   |     |     | *   | +  | +   |     |     |     |
| 52A | 771145 | GRCK | 10     |   |     |     |     | *   | +   | +   |     |     | +  | +   | *** |     |     |
| 52A | 771147 | GRCK | 6      |   |     | *** | +   |     | +   |     |     |     |    |     |     |     |     |
| 52A | 771153 | GRNG | 6      |   |     |     |     |     |     |     |     |     | +  |     | *   | **  |     |
| 52A | 771160 | GRNG | 5      | +   |     |     |     |     |     |     |     | *   |    |     | +   | +   |     |
| 52A | 771165 | GRNG | 5      |   |     |     | +   | +   |     | *   |     |     | +  |     |     |     |     |
| 52A | 771167 | GRNG | 9      |   |     |     | *   | *   |     | *   |     |     | +  | *   |     |     |     |
| 52A | 771171 | GRNG | 4      |   |     |     |     |     |     |     |     |     |    | +   |     | *   | +   |
| 52A | 771173 | GRNG | 8      |   |     |     |     | *   |     | *   |     |     | +  | +   |     | *   |     |
| 52A | 771176 | GRNG | 5      |   |     | *   |     |     |     | *   |     |     |    |     | *   | +   |     |
| 52A | 771177 | GRNG | 4      |   | +   |     |     |     |     | +   |     |     | +  | +   |     |     |     |
| 52A | 771178 | GRNG | 4      |   |     |     | +   |     |     | +   |     | *   |    |     |     |     |     |
| 52A | 773006 | DIBS | 6      |   |     | *   |     |     | +   |     |     |     |    |     | +   |     | *   |
| 52A | 773010 | DIBS | 4      |   |     |     |     |     |     |     |     |     |    |     |     |     | *** |
| 52A | 773012 | MVCC | 6      |   |     |     |     |     | +   |     |     |     | +  |     |     | *   | *   |
| 52A | 773020 | GRNG | 9      |   |     | *** |     |     |     |     |     |     | +  | +   | *   | +   |     |
| 52A | 773024 | GRNG | 6      |   |     |     |     |     |     |     |     |     | +  | +   |     | +   | *** |
| 52A | 773026 | GRCK | 6      |   |     |     | *** |     | +   |     |     |     | +  |     |     |     |     |
| 52A | 773027 | GRCK | 5      |   |     |     |     | +   | +   |     |     |     |    |     |     | +   | *   |
| 52A | 773029 | GRNG | 4      |   |     |     |     | +   |     |     |     |     | +  |     | *   |     |     |
| 52A | 773031 | CGLM | 4      |   |     |     |     |     |     |     |     |     |    |     |     |     | *** |
| 52A | 773032 | MVCC | 7      |   |     |     | *** |     | +   |     |     |     |    | +   |     | +   |     |
| 52A | 773034 | MVCC | 5      |   |     |     |     |     | +   |     |     |     |    |     |     | *** |     |
| 52A | 773038 | GRCK | 7      | ***   |     |     | *   |     | +   |     |     |     |    |     |     |     |     |
| 52A | 773045 | GRNG | 9      |   | *** |     |     |     |     |     |     | +   | +  |     |     | **  |     |
| 52A | 773046 | GRNG | 11     |   |     |     | *** |     |     |     |     | *   | *  |     |     | **  |     |
| 52A | 773047 | GRNG | 11     |   | +   |     | **  |     |     | *   |     | +   | *  |     | *   |     |     |
| 52A | 773050 | GRCK | 8      |   |     | *** |     |     | +   | +   |     |     | +  | +   |     |     |     |
| 52A | 773052 | GRNG | 11     |   | +   |     |     | *** |     | *   |     | +   | +  | +   | *   |     |     |
| 52A | 773053 | GRNG | 5      |   |     |     | *   | *   |     |     | +   |     |    |     |     |     |     |
| 52A | 773062 | GRNG | 7      |   |     |     | +   | *   |     |     | *** |     |    |     |     |     |     |
| 52A | 773065 | GRNG | 4      |   | +   |     |     | +   |     | +   |     |     |    |     | +   |     |     |
| 52A | 773068 | GRNG | 4      |   |     |     |     |     |     |     |     |     |    | *** |     |     |     |
| 52A | 773069 | GRNG | 6      |   | +   |     | **  | +   |     |     |     |     |    | +   |     |     |     |
| 52A | 773071 | GRNG | 5      |   |     |     | +   |     |     |     | *** |     |    |     |     |     |     |
| 52A | 773077 | GRNG | 10     |   |     |     | +   | *** |     | *   |     | +   | *  |     |     |     |     |
| 52A | 773087 | GRCK | 7      |   |     | +   |     |     | +   |     | *** |     |    |     | +   |     |     |
| 52A | 773094 | GRNG | 6      |   |     |     |     |     |     |     |     |     |    | **  | +   |     | *   |
| 52A | 773111 | GRNT | 14     |   | *   |     |     | *   | *** |     |     | *   | *  |     | *   |     |     |

TABLE OF SAMPLES WITH VALUES IN EXCESS OF THE 90TH PERCENTILE

| MAP | ID     | ROCK | RATING | DISPLAY IS - BLANK 90TH + 95TH * 98TH ** 99TH *** |     |     |    |     |    |     |     |     |     |     |     |     |     |   |
|-----|--------|------|--------|---|-----|-----|----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|---|
|     |        |      |        | ZN  | CU  | PB  | NI | CO  | AG | MN  | AS  | MO  | FE  | HG  | LOI | U   | U   | F |
| 52A | 773112 | GRCK | 11     | *   | +   | +   | +  |     | +  |     |     | +   |     |     | *   | *   |     |   |
| 52A | 773114 | GRNT | 10     | +   |     |     | +  | *   |    | +   | *** |     | +   |     |     |     |     |   |
| 52A | 773122 | GRNT | 8      |   | *   |     |    |     | *  |     | *   |     |     | *   |     |     |     |   |
| 52A | 773125 | GRNG | 4      |   |     | *   | +  |     |    |     |     | +   |     |     |     |     |     |   |
| 52A | 773127 | GRNG | 4      |   |     |     |    |     |    |     |     | +   |     |     |     |     | +   | + |
| 52A | 773135 | GRNG | 4      | +   |     |     |    |     |    |     | +   | +   |     |     |     | +   |     |   |
| 52A | 773136 | GRNG | 6      |   |     | *   | *  | +   |    |     |     |     |     | +   |     |     |     |   |
| 52A | 773143 | GRNG | 6      |   | *   |     |    |     |    |     |     | +   |     |     |     | **  |     |   |
| 52A | 773151 | GRNG | 22     | +   | *   |     | ** | *   |    | *** |     | *** | +   |     |     | *** | +   |   |
| 52A | 773153 | GRNG | 5      |   |     | +   |    | +   |    |     |     | +   | +   | +   |     |     |     |   |
| 52A | 773156 | GRCK | 15     | +   |     |     |    | *** | +  | *** |     |     | *** |     | +   |     |     |   |
| 52A | 773158 | GRNT | 5      |   | +   |     |    |     |    |     |     |     |     | *   |     | *   |     |   |
| 52A | 773167 | SMRK | 4      |   |     |     |    |     | +  | +   |     |     | *   |     |     |     |     |   |
| 52A | 773169 | DIBS | 8      |   |     | *** |    |     |    |     |     |     |     |     |     | *** |     |   |
| 52A | 773175 | GRNT | 20     | +   |     | *   |    | *** | *  | *   |     | *   | *   | +   |     | *** |     |   |
| 52A | 773178 | SMRK | 6      |   | **  |     |    |     | +  |     |     |     |     | *   |     |     |     |   |
| 52A | 773182 | SMRK | 16     |   | *** | *** |    | **  | *  | *   |     |     | +   | *   |     |     |     |   |
| 52A | 773183 | SMRK | 7      | **  | +   | *   |    |     | +  |     |     |     |     |     |     |     |     |   |
| 52A | 773185 | DIBS | 4      |   |     |     |    |     |    |     |     |     |     |     |     | *   | *   |   |
| 52A | 773191 | SMRK | 7      |   |     | *   |    |     | +  |     |     |     | +   | **  |     |     |     |   |
| 52A | 773195 | GRNT | 9      |   | +   | *** |    |     |    |     |     |     |     | *** |     |     |     |   |
| 52A | 773196 | GRNT | 4      |   |     |     |    |     |    |     | *** |     |     |     |     |     |     |   |
| 52A | 773197 | GRNT | 6      |   |     |     |    |     |    |     | *   |     |     |     | *** |     |     |   |
| 52A | 773200 | GRNT | 4      |   |     | +   |    |     |    |     | +   |     |     |     | *   |     |     |   |
| 52A | 773203 | DIBS | 6      |   |     |     |    |     |    |     |     |     |     |     | *   | +   | **  |   |
| 52A | 773204 | DIBS | 15     |   |     | **  |    | **  | +  | *   |     |     |     | +   |     | +   | *** |   |
| 52A | 773206 | GRNG | 4      |   |     | +   |    |     |    |     |     |     |     |     |     |     | **  |   |
| 52A | 773207 | GRNG | 13     |   | *   | **  | +  | +   |    |     |     | +   |     | **  |     | *   |     |   |
| 52A | 773210 | GRNG | 4      |   |     |     |    |     |    |     |     | +   | +   |     |     |     | +   | + |
| 52A | 773212 | GRNG | 4      |   |     |     |    |     |    |     | *** |     |     |     |     |     |     |   |
| 52A | 773213 | GRNG | 4      | +   |     |     | +  |     |    |     | +   |     |     | +   |     |     |     |   |
| 52A | 773229 | GRNG | 5      |   |     |     |    | **  |    | +   |     | +   |     |     |     |     |     |   |
| 52A | 773231 | MVCC | 6      |   |     |     |    | *** | +  |     |     |     |     |     |     |     |     | + |
| 52A | 773232 | GRCK | 7      |   |     | *** |    |     | +  |     |     |     |     | +   |     | +   |     |   |
| 52A | 773236 | GRNG | 7      |   |     |     |    |     |    |     |     |     |     |     |     | *** | **  |   |
| 52A | 773238 | GRCK | 12     |   | *** |     |    | +   | +  | +   | *   | *   |     |     | +   |     |     |   |
| 52A | 773244 | GRNT | 8      | +   | *   |     | *  | +   |    | *   |     | *   |     |     |     |     |     |   |
| 52A | 773245 | GRNG | 5      | **  | +   |     |    |     |    |     |     | +   |     |     |     |     |     |   |
| 52A | 773249 | DIBS | 4      |   |     |     |    |     |    |     |     |     |     |     | *** |     |     |   |
| 52A | 773250 | GRNG | 4      | +   |     |     | +  |     |    |     |     |     |     | *   |     |     |     |   |
| 52A | 773254 | SMRK | 5      | *   |     |     |    |     | +  |     |     |     |     |     |     |     |     | * |
| 52A | 773255 | SMRK | 4      | +   |     |     | *  |     | +  |     |     |     |     |     |     |     |     |   |
| 52A | 773257 | DIBS | 6      |   |     |     | *  | *   | +  |     | *   |     |     |     | +   |     |     |   |
| 52A | 773267 | SMRK | 11     |   | +   |     |    |     | +  |     | *   | *** |     |     | *   |     |     | + |
| 52A | 773268 | SMRK | 4      |   |     |     |    |     | +  |     | +   |     |     |     | *   | *   |     |   |
| 52A | 773269 | SMRK | 7      |   |     |     |    |     | +  |     |     | +   |     |     | *   | *   | +   |   |
| 52A | 773273 | SMRK | 8      |   | *   |     |    |     | +  |     | *   |     |     |     |     | **  |     |   |
| 52A | 773276 | SMRK | 4      |   |     |     |    |     | +  |     | **  |     |     |     |     |     |     |   |
| 52A | 773284 | DIBS | 10     | *   |     | +   |    | *   |    | *   |     |     | +   |     | *   |     |     |   |
| 52A | 773297 | MVCC | 6      | ***   |     |     |    |     | +  |     |     |     | +   |     |     |     |     |   |

TABLE OF SAMPLES WITH VALUES IN EXCESS OF THE 90TH PERCENTILE

| MAP | ID     | ROCK | RATING | DISPLAY IS - BLANK 90TH + 95TH * 98TH ** 99TH *** |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
|-----|--------|------|--------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
|     |        |      |        | ZN  | CU  | PB  | NI  | CO  | AG  | MN  | AS  | MO  | FE  | HG  | LOI | U   | U   | F |
| 52A | 773302 | GRNG | 8      | **  |     |     |     | +   |     |     |     |     |     | *** |     |     |     |   |
| 52A | 773305 | GRNG | 9      |   |     |     |     |     |     |     | *   | *** |     |     |     |     | **  |   |
| 52A | 773306 | GRNG | 4      |   |     |     |     | +   |     | *   |     |     | +   |     |     |     |     |   |
| 52A | 773312 | GRNG | 4      |   |     |     |     |     |     |     |     |     |     |     | +   |     | **  |   |
| 52A | 773313 | GRNG | 11     |   |     |     |     |     |     |     |     | +   |     |     | *** | *   | *** |   |
| 52A | 773317 | GRNG | 4      |   |     |     |     |     |     |     | +   |     |     |     |     |     | **  |   |
| 52H | 771002 | DIBS | 5      | +   |     |     |     |     |     |     |     |     |     |     | *   | *   |     |   |
| 52H | 771030 | GRCK | 5      |   |     |     |     |     | +   |     |     | +   |     |     |     |     | *   |   |
| 52H | 771031 | GRCK | 14     |   |     |     |     |     | +   |     | +   | *** |     |     |     | *** | *** |   |
| 52H | 771032 | SMRK | 18     |   |     |     |     | *   | +   | *** | *** | **  | *** |     |     |     |     |   |
| 52H | 771034 | DIBS | 5      |   |     |     |     |     |     | *** |     |     | +   |     |     |     |     |   |
| 52H | 771039 | GRCK | 9      |   |     | +   |     |     |     | *** |     |     |     | *** |     |     |     |   |
| 52H | 771050 | DIBS | 4      |   |     |     |     |     |     |     |     | +   |     | **  |     |     |     |   |
| 52H | 771056 | SMRK | 5      |   |     |     |     | +   | +   |     | *   |     | +   |     |     |     |     |   |
| 52H | 771057 | SMRK | 14     | *   |     |     | *   | *** | +   | *   | *   |     | +   |     |     |     |     |   |
| 52H | 771062 | GRCK | 12     |   |     | +   |     |     |     | *** |     |     |     |     | +   | *** | *   |   |
| 52H | 771071 | GRNT | 4      |   |     |     | *   |     |     |     | +   |     | +   |     |     |     |     |   |
| 52H | 771078 | GRNT | 6      |   |     | *   |     |     |     |     |     |     |     |     |     | *** |     |   |
| 52H | 773005 | SMRK | 4      |   | *   |     |     |     | +   |     |     |     |     | +   |     |     |     |   |
| 52H | 773006 | SMRK | 4      |   | +   |     | +   |     | +   |     |     |     |     | +   |     |     |     |   |
| 52H | 773012 | GRNG | 7      |   | +   |     | *   |     |     |     |     |     |     | *** |     |     |     |   |
| 52H | 773013 | GRNG | 7      |   | **  |     |     |     |     |     |     |     |     | *** |     |     |     |   |
| 52H | 773016 | GRNG | 6      |   |     | +   | *** |     |     |     |     |     |     | +   |     |     |     |   |
| 52H | 773018 | DIBS | 6      |   |     |     |     |     |     |     |     | +   |     |     | +   | **  | +   |   |
| 52H | 773022 | DIBS | 5      |   |     |     | +   | *   |     |     |     |     | *   |     |     |     |     |   |
| 52H | 773028 | SMRK | 4      |   |     |     |     | *   | +   |     |     |     | +   |     |     |     |     |   |
| 52H | 773036 | UKNN | 15     |   | *   |     | *** | *** |     |     |     |     | +   |     |     | *** |     |   |
| 52H | 773040 | UKNN | 6      |   | +   | +   |     |     |     | *   | *   |     |     |     |     |     |     |   |
| 52H | 773043 | UKNN | 7      |   | *   | *** |     |     |     |     |     |     |     |     | +   |     |     |   |
| 52H | 773045 | DIBS | 4      |   |     |     |     |     |     |     |     | +   | +   |     |     | +   | +   |   |
| 52H | 773046 | UKNN | 8      |   |     |     |     |     |     |     |     |     |     |     | +   | *   | *** |   |
| 52H | 773047 | UKNN | 4      |   |     | +   |     |     |     |     |     |     |     |     | +   |     | *   |   |
| 52H | 773052 | UKNN | 18     | ***   |     | +   |     | *   |     | *** | *   |     | *** |     | +   |     |     |   |
| 52H | 773054 | GRNG | 13     | *   |     |     |     | *** |     | *** | +   |     | *   |     |     |     |     |   |
| 52H | 773060 | UKNN | 4      |   |     |     |     |     |     |     |     |     |     | *** |     |     |     |   |
| 52H | 773066 | MVCC | 9      |   | +   |     |     |     | *** |     |     |     |     | *** |     |     |     |   |
| 52H | 773068 | UKNN | 14     | *   | *   |     | *   | *   |     | *** |     |     | *   |     |     |     |     |   |
| 52H | 773069 | UKNN | 5      |   | *** |     | +   |     |     |     |     |     |     |     |     |     |     |   |
| 52H | 773072 | SMRK | 4      |   | +   |     | *   |     | +   |     |     |     |     |     |     |     |     |   |
| 52H | 773074 | DIBS | 11     |   | *   |     |     |     |     |     | +   | *   |     |     | +   | *   | *   |   |
| 52H | 773075 | DIBS | 5      |   |     |     |     |     |     |     | +   | *   |     |     |     | *   | +   |   |
| 52H | 773076 | SMRK | 7      |   |     |     | **  | +   | *   |     |     |     | +   |     |     |     |     |   |
| 52H | 773077 | DIBS | 15     |   | *   |     | *** | *** | *   | *   |     | +   |     |     |     |     |     |   |
| 52H | 773078 | DIBS | 10     |   |     |     | *   |     | *   |     | +   | +   |     |     | +   | *   | +   |   |
| 52H | 773085 | SMRK | 5      |   |     | *   |     |     | +   |     |     | +   |     |     |     | *   |     |   |
| 52H | 773086 | SMRK | 9      |   |     |     |     |     | +   |     |     | **  |     |     |     | **  | *   |   |
| 52H | 773087 | SMRK | 15     |   |     |     |     | *   |     | **  |     |     | *** |     | *** | *   |     |   |
| 52H | 773090 | GRNG | 10     | ***   |     | *** |     |     |     |     |     | +   |     |     | +   |     |     |   |
| 52H | 773092 | GRNT | 6      |   |     |     |     |     | *   |     |     |     |     |     |     |     | *** |   |
| 52H | 773093 | GRNT | 8      |   |     |     |     | +   |     | +   | *   |     | *** |     |     |     |     |   |

TABLE OF SAMPLES WITH VALUES IN EXCESS OF THE 90TH PERCENTILE

|     |        |      |        | DISPLAY IS - BLANK 90TH + 95TH * 98TH ** 99TH *** |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|--------|------|--------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| MAP | ID     | ROCK | RATING | ZN  | CU  | PB  | NI  | CO  | AG  | MN  | AS  | MO  | FE  | HG  | LOI | U   | U   | F   |
| 52H | 773094 | GRNG | 5      |   |     | **  | +   |     |     |     |     |     |     |     |     |     |     | +   |
| 52H | 773097 | DIBS | 7      |   |     |     |     | *   |     | **  |     | +   | +   |     |     |     |     |     |
| 52H | 773100 | DIBS | 6      |   | +   |     |     |     | +   |     |     |     |     | +   | **  |     |     |     |
| 52H | 773122 | DIBS | 7      | +   | **  |     |     |     | +   |     |     |     |     | *   |     |     |     |     |
| 52H | 773124 | GRNG | 8      | **  |     |     |     |     |     |     |     | +   |     |     | *** |     |     |     |
| 52H | 773126 | GRNG | 8      | ***   |     | *** |     |     |     |     |     |     |     |     |     |     |     |     |
| 52H | 773128 | GRNG | 18     | ***   | *** | *   | +   |     |     |     |     | +   |     | **  |     | *   | +   |     |
| 52H | 773130 | GRNT | 4      | +   |     |     |     |     | *   |     |     |     |     |     |     | +   |     |     |
| 52H | 773131 | SMRK | 7      |   |     | *   |     |     | +   |     |     |     |     |     |     |     | *   | *   |
| 52H | 773132 | SMRK | 9      |   |     |     |     |     | *** |     |     |     | *   |     |     |     | **  |     |
| 52H | 773134 | SMRK | 8      |   |     |     |     |     | +   |     | +   | +   |     |     |     | +   |     | *** |
| 52H | 773138 | DIBS | 5      |   |     |     |     |     |     |     |     |     |     |     |     | **  | *   |     |
| 52H | 773139 | DIBS | 25     |   | *   |     | *   | *** | *   | *** | *** | *   | *   | +   |     | *   |     |     |
| 52H | 773140 | DIBS | 5      |   | +   |     | **  |     | +   |     |     |     |     |     |     |     |     |     |
| 52H | 773144 | GRNG | 4      |   |     |     |     |     |     |     |     |     |     |     |     |     |     | *** |
| 52H | 773145 | GRNG | 4      |   |     |     |     |     |     |     |     |     |     |     |     |     |     | *** |
| 52H | 773146 | GRNG | 6      |   |     | *   |     |     |     |     |     |     |     |     |     |     |     | *** |
| 52H | 773148 | GRNG | 4      |   |     |     |     |     |     |     |     |     |     | **  |     |     |     | +   |
| 52H | 773157 | MVCC | 4      |   | *   |     |     |     | +   |     |     |     |     | +   |     |     |     |     |
| 52H | 773163 | GRNG | 8      |   |     |     |     |     | *** |     |     |     |     | *** |     |     |     |     |
| 52H | 773168 | GRNG | 7      | +   |     |     |     |     |     |     |     | +   |     | +   | *** |     |     |     |
| 52H | 773171 | GRNG | 4      |   |     |     |     |     | *** |     |     |     |     |     |     |     |     |     |
| 52H | 773173 | GRNG | 9      | *   |     |     |     | *   |     | **  |     |     | *   |     |     |     |     |     |
| 52H | 773178 | UKNN | 4      |   |     |     |     | *   |     | +   |     |     | +   |     |     |     |     |     |
| 52H | 773185 | DIBS | 7      |   |     |     |     |     |     |     |     | *** |     |     | **  |     |     |     |
| 52H | 773199 | GRNT | 10     |   |     |     | +   |     | *   | *** | +   |     | +   |     |     |     | +   |     |
| 52H | 773202 | DIBS | 6      |   |     |     |     |     |     |     |     |     |     |     | *** |     | *   |     |
| 52H | 773204 | SMRK | 4      |   |     | *   |     |     | +   |     |     |     |     |     |     |     | +   |     |
| 52H | 773208 | GRNT | 5      | *   |     | +   | +   |     |     |     |     |     |     | +   |     |     |     |     |
| 52H | 773210 | GRNG | 7      |   |     | *   | *** |     |     |     |     |     |     | +   |     |     |     |     |
| 52H | 773211 | GRNT | 5      |   | +   |     |     |     |     |     |     |     |     |     | *   |     | *   |     |
| 52H | 773212 | GRNT | 6      | *   |     |     |     | +   |     |     | *   |     |     |     |     |     | +   |     |
| 52H | 773213 | SMRK | 13     |   |     |     |     |     | *** |     |     | +   |     |     |     |     | *** | *** |
| 52H | 773219 | SMRK | 6      |   |     |     | +   | +   | +   | *   |     |     |     |     |     |     |     | +   |
| 52H | 773222 | DIBS | 14     |   |     |     |     |     |     |     | *** | +   |     |     |     | *** | *** | +   |
| 52H | 773227 | GRNG | 4      | +   |     |     | *   |     |     |     |     |     | +   |     |     |     |     |     |
| 52H | 773234 | CGLM | 8      | +   |     |     |     |     | +   | +   |     | +   | *** |     |     |     |     |     |
| 52H | 773235 | CGLM | 18     | ***   |     |     |     | *** | *** | *** |     |     | +   |     |     | +   |     |     |
| 52H | 773238 | CGLM | 5      |   |     |     |     |     | +   |     |     |     |     |     |     |     |     | *** |
| 52H | 773239 | CGLM | 9      |   |     |     |     |     | +   |     | *** |     |     |     |     |     | *** |     |
| 52H | 773243 | GRCK | 5      |   | +   |     |     |     | *** |     |     |     |     |     |     |     |     |     |
| 52H | 773244 | GRCK | 8      | +   | *   |     |     |     | +   | *   |     |     | *   |     |     |     |     |     |
| 52H | 773251 | MVCC | 5      | +   |     |     |     |     | *** |     |     |     |     |     |     |     |     |     |
| 52H | 773256 | GRNG | 4      |   |     |     |     |     |     |     |     | +   |     |     |     | +   |     |     |
| 52H | 773258 | DIBS | 6      |   |     |     |     |     |     | +   | **  |     | *   |     |     |     |     |     |
| 52H | 773260 | GRNG | 6      | *   |     |     |     |     |     |     |     |     |     |     | *** |     |     |     |
| 52H | 773262 | GRNG | 4      | *   |     |     |     |     |     |     |     |     |     |     | *   |     |     |     |
| 52H | 773266 | GRNG | 11     | *   |     |     |     | **  |     | **  |     |     | **  |     |     |     |     |     |
| 52H | 773267 | GRNG | 8      |   |     |     |     | *   |     | **  | +   |     | *   |     |     |     |     |     |
| 52H | 773273 | MVCC | 8      | +   |     |     |     |     | +   | +   |     |     | +   |     |     |     | *** |     |

TABLE OF SAMPLES WITH VALUES IN EXCESS OF THE 90TH PERCENTILE

| MAP | ID     | ROCK | RATING | DISPLAY IS - BLANK 90TH + 95TH * 98TH ** 99TH *** |     |    |     |     |     |     |     |    |    |     |     |   |     |    |     |
|-----|--------|------|--------|---|-----|----|-----|-----|-----|-----|-----|----|----|-----|-----|---|-----|----|-----|
|     |        |      |        | ZN  | CU  | PB | NI  | CO  | AG  | MN  | AS  | MO | FE | HG  | LOI | U | U   | F  |     |
| 52H | 773274 | GRNG | 4      |   |     | +  | **  |     |     |     |     |    |    |     |     |   |     |    |     |
| 52H | 773275 | GRNG | 4      |   | *   |    |     |     |     |     |     |    |    |     |     |   | *   |    |     |
| 52H | 773279 | GRNG | 4      |   |     |    | *   |     |     |     |     |    |    |     |     |   | *   |    |     |
| 52H | 773283 | GRNG | 4      |   | *   |    | *   |     |     |     |     |    |    |     |     |   |     |    |     |
| 52H | 773284 | GRNG | 4      | +   |     |    |     |     |     |     | *   | +  |    |     |     |   |     |    |     |
| 52H | 773285 | GRNG | 5      | **  |     |    |     |     |     |     |     | +  |    |     |     |   | +   |    |     |
| 52H | 773294 | MVCC | 5      |   | *** |    |     | +   |     |     |     |    |    |     |     |   |     |    |     |
| 52H | 773298 | GRCK | 5      |   |     |    |     | +   |     |     |     |    |    |     |     |   | *** |    |     |
| 52H | 773318 | UKNN | 4      | +   |     |    |     | +   |     | +   |     |    |    | +   |     |   |     |    |     |
| 52H | 773327 | UKNN | 7      |   |     |    |     |     |     |     |     |    |    |     |     |   | *   | +  | *** |
| 52H | 773330 | UKNN | 4      |   |     |    |     |     |     |     |     |    |    | *** |     |   |     |    |     |
| 52H | 773334 | MVCC | 5      |   |     |    |     |     | +   |     |     |    |    | *** |     |   |     |    |     |
| 52H | 773340 | CGLM | 6      |   |     |    |     |     | +   |     |     | +  |    | *** |     |   |     |    |     |
| 52H | 773342 | CGLM | 6      |   | *** |    |     |     | +   |     |     |    |    |     |     |   | +   |    |     |
| 52H | 773343 | CGLM | 6      |   |     |    |     |     | +   |     |     | +  |    |     |     |   | *** |    |     |
| 52H | 773352 | GRNT | 16     | ***   | *** |    | *** | +   |     | +   |     |    | +  | +   |     |   |     |    |     |
| 52H | 773359 | DIBS | 14     |   |     |    |     |     |     |     | **  | *  |    |     |     |   | *** | ** | *   |
| 52H | 773363 | SMRK | 11     |   |     |    | *** | *   | +   |     | *   |    | *  |     |     |   |     |    | *   |
| 52H | 773376 | UKNN | 4      |   |     |    |     |     |     | +   |     |    | *  |     |     |   |     |    | +   |
| 52H | 773382 | UKNN | 4      |   |     |    |     |     |     |     |     |    |    | *** |     |   |     |    |     |
| 52H | 773384 | UKNN | 8      |   |     |    |     |     |     | *   | *** |    | *  |     |     |   |     |    |     |
| 52H | 773386 | UKNN | 4      | *   |     |    |     |     |     |     |     |    |    |     |     | * |     |    |     |
| 52H | 773387 | GRNG | 5      |   |     |    |     |     |     |     | *   |    | ** |     |     |   |     |    |     |
| 52H | 773388 | GRNG | 7      |   |     |    |     |     |     |     | **  |    | ** | *** |     |   |     |    |     |
| 52H | 773391 | GRNG | 10     | +   |     |    |     |     |     | *** | *   |    | ** |     |     |   |     |    |     |
| 52H | 773395 | GRNG | 10     |   | *   |    |     |     |     | +   | **  |    | *  |     |     | * |     |    |     |
| 52H | 773398 | GRNG | 9      | +   |     |    |     | +   |     |     | *** | +  |    |     | *   |   |     |    |     |
| 52H | 773414 | MVCC | 4      |   |     |    |     | +   | +   | +   |     |    | +  |     |     |   |     |    |     |
| 52H | 773423 | DIBS | 4      |   | *** |    |     |     |     |     |     |    |    |     |     |   |     |    |     |
| 52H | 773424 | DIBS | 10     |   | *** |    |     | +   |     | **  |     |    | +  |     | +   |   |     |    |     |
| 52H | 773428 | GRNG | 4      |   | **  |    |     |     |     | +   |     |    |    |     |     |   |     |    |     |
| 52H | 773432 | GRCK | 4      |   |     |    |     |     | *** |     |     |    |    |     |     |   |     |    |     |
| 52H | 773451 | SMRK | 4      |   | *   |    |     | +   | +   |     |     |    |    |     |     |   |     |    |     |
| 52H | 773452 | DIBS | 12     |   | **  |    | +   | *   |     | *** |     |    | *  |     |     |   |     |    |     |
| 52H | 773463 | DIBS | 6      |   |     |    |     |     |     | +   |     |    |    |     |     |   |     | +  | *** |
| 52H | 773464 | DIBS | 14     |   | +   |    | *** | *** |     | *   |     |    | ** |     |     |   |     |    |     |
| 52H | 773465 | DIBS | 5      |   | +   |    | +   | *   |     |     |     |    |    | +   |     |   |     |    |     |
| 52H | 773471 | DIBS | 4      |   |     |    |     | +   |     | *   |     |    | +  |     |     |   |     |    |     |
| 52H | 773472 | DIBS | 5      |   | +   |    |     |     |     | +   |     | ** |    |     |     |   |     |    |     |
| 52H | 773478 | SMRK | 4      |   |     |    |     |     | +   |     |     |    | ** |     |     |   |     |    |     |
| 52H | 773480 | DIBS | 6      |   |     |    |     | *   |     | *   |     |    | *  |     |     |   |     |    |     |



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*                               THE END                               *
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*   OPEN FILE 507           CONTAINS 244 PAGES INCLUDING THE TITLE PAGE   *
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