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OPEN FILE 567 IS ONE OF THREE OPEN FILES (566, 567 AND 568) COVERING THE TOTAL CENTRAL BAFFIN ISLAND SURVEY AREA

THE RECONNAISSANCE SURVEY WAS UNDERTAKEN BY THE GEOLOGICAL SURVEY OF CANADA UNDER THE FEDERAL URANIUM RECONNAISSANCE PROGRAM.

E.H.W. HORNBROOK 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. HORNBROOK,

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

ANALYTICAL
- CHEMEX LABS. LIMITED, VANCOUVER.
- BARRINGER MAGENTA 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 PREPERATION.
PLOTTING FACILITIES WERE MADE AVAILABLE THROUGH THE GEOLOGICAL SURVEY OF CANADA AND THE COMPUTER SCIENCE CENTRE OF E.M.R.

LAKE SEDIMENT AND WATER SAMPLES WERE COLLECTED AT AN AVERAGE DENSITY OF ONE SAMPLE PER 13 SQUARE KILOMETRES (5 SQUARE MILES) THROUGHOUT THE 25900 SQUARE KILOMETRE (10000 SQUARE MILE) TOTAL CENTRAL BAFFIN ISLAND SURVEY AREA. THE HELICOPTER SUPPORTED SAMPLE COLLECTION WAS CARRIED OUT DURING THE SUMMER OF 1978.
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, 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 MAGENTA 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 HNO3 IN A TEST-TUBE OVERNIGHT AT ROOM TEMPERATURE.
AFTER THE OVERNIGHT DIGESTION THE TEST-TUBE WAS IMMERSED 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 ABSORPTION SPECTROSCOPY USING AN AIR-ACETYLENE FLAME.
BACKGROUND CORRECTIONS WERE MADE FOR PB, NI,CO AND AG.

ARSENIC WAS DETERMINED BY ATOMIC ABSORPTION USING A HYDRIDE EVOLUTION METHOD WEREIN THE ARSENIC IS EVOLVED AS ASH3 PASSED THROUGH A HEATED QUARZ TUBE IN THE LIGHT PATH OF AN ATOMIC ABSORPTION SPECTROPHOTOMETER.
THE METHOD IS DESCRIBED BY ASLIN (1976).

MOLYBDENUM WAS DETERMINED BY ATOMIC ABSORPTION SPECTROSCOPY USING A NITROUS OXIDE-ACETYLENE FLAME.
A 0.5 GRAM SAMPLE WAS REACTED WITH 1.5 ML CONCENTRATED HNO3 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.

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 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
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
PH	3	31-35		

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 RESOURCE GEOCHEMISTRY SUBDIVISION AT THE GEOLOGICAL SURVEY OF CANADA.

REFERENCES

BOULANGER, A., EVANS, D.J.R. AND RABY, B.F. (1975) URANIUM ANALYSIS BY NEUTRON ACTIVATION DELAYED NEUTRON COUNTING: PROC. OF THE 7TH ANNUAL SYMP. OF CANADIAN MINERAL ANALYSTS. THUNDER BAY, ONTARIO, SEPT. 22-23, 1975.

GARRETT, R.G. (1974) FIELD DATA AQUISITION METHODS FOR APPLIED GEOCHEMICAL SURVEYS AT THE GEOLOGICAL SURVEY OF CANADA: GEOL SURV. CAN. PAPER 74-52

ASLIN, G.E.M. 1976 THE DETERMINATION OF ARSENIC AND ANTIMONY IN GEOLOGICAL MATERIALS BY FLAMELESS ATOMIC ABSORPTION SPECTROPHOTOMETRY; JOURNAL OF GEOCHEMICAL EXPLORATION VOL. 6 PP. 321-330.

DATA LIST LEGEND

MAP- NATIONAL TOPOGRAPHIC SYSTEM(NTS)- LETTERED QUADRANGLE (SCALE 1:250000). PART OF SAMPLE NUMBER
ID- REMAINDER OF SAMPLE NUMBER- YEAR(2), FIELD CREW(1), SAMPLE SEQUENCE NUMBER(3)

UTM COORDINATES- UNIVERSAL TRANVERSE MERCATOR(UTM) COORDINATE SYSTEM- SAMPLE COORDINATES
ZN- ZONE
EAST- EASTING(METERS)
NORTH- NORTHING(METERS)

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

RELF- RELIEF OF THE SURROUNDING LAKE CATCHMENT BASIN
GEL- PRESENCE OF AN ORGANIC GEL OR GYTTJA
CONT- CONTAMINATION- HUMAN OR NATURAL(WORK-DRILL/TRENCH, CAMP,FUEL OR GOSSAN)
SAMPL COLOR- SEDIMENT COLOUR
SUSP- SUSPENDED MATTER

ZN- ZINC BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)
CU- COPPER BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)
PB- LEAD BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)
NI- NICKEL BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)
CO- COBALT BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)
AG- SILVER BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)
MN- MANGANESE BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)
AS- ARSENIC COLORIMETRICALLY(PPM)
MO- MOLYBDENUM BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)
FE- IRON BY ATOMIC ABSORPTION SPECTROSCOPY(%)
LOI- LOSS ON IGNITION BY WEIGHT DIFFERENCE(%)
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)
PH- PH BY COMBINATION GLASS - CALOMEL ELECTRODE

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

RP ST:
00- ROUTINE REGIONAL SAMPLE
10- FIRST OF FIELD DUPLICATE
20- SECOND OF FIELD DUPLICATE
70- CELL DUPLICATE SITE SAMPLE

RELF:
L- LOW
M- MEDIUM
H- HIGH

GEL:
BLANK- ABSENT

CONT:
BLANK- NONE
1- PRESENT

SAMPL COLOR:
TN- TAN
GN- GREEN
GY- GREY
BR- BROWN
BK- BLACK

SUSP:
BLANK- NONE

MAP	ID	UTM COORDINATES ZN	EAST	NORTH	LAKE AREA	SMP DTH	RP ST	REL FL	CON LT	SAMP COLOR	SUSP	ZN	CU	PB	NI	CO	AG	MN	AS	MO	FE	LOI	U	U-W	F-W	PH
37A	781002	18	619045	7608690	1-5	26	00 M			BR GY		96	60	6	32	15	0.1	420	18.0	2	4.30	2.6	4.4	0.050	10	6.0
37A	781003	18	615298	7606433	LT 1	15	00 M			BR		166	100	6	64	17	0.1	205	13.0	3	4.40	11.6	6.5	0.030	20	5.7
37A	781004	18	611817	7609005	LT 1	7	70 L			BR		174	124	8	106	24	0.2	390	12.0	2	4.45	13.4	9.4	0.020	10	6.2
37A	781005	18	611137	7607801	LT 1	15	10 L			BR		230	146	6	98	23	0.3	240	9.0	1	3.20	15.0	8.9	0.060	20	5.2
37A	781006	18	611137	7607801	LT 1	15	20 L			BR		230	142	5	86	20	0.1	195	12.0	3	3.60	17.2	9.0	0.060	10	5.3
37A	781007	18	610384	7608377	LT 1	15	00 L			BR GY		160	198	0	98	22	0.1	270	14.0	3	4.00	12.4	10.2	0.060	10	5.5
37A	781008	18	604342	7609493	LT 1	14	00 M			BR GY		136	136	9	70	19	0.1	260	23.0	4	4.10	7.0	7.0	0.020	10	5.7
37A	781009	18	603464	7609225	POND	24	00 L			GY		126	140	9	76	26	0.1	360	14.0	3	3.80	36.0	7.5	0.020	10	5.8
37A	781010	18	598841	7608364	LT 1	15	00 L			BR		180	126	3	82	23	0.4	170	3.0	1	2.00	15.4	5.2	0.030	10	5.8
37A	781011	18	594283	7608997	LT 1	15	00 L			GY		230	144	6	148	20	0.1	330	7.0	2	3.50	11.0	6.9	0.060	10	5.9
37A	781012	18	591600	7608692	LT 1	10	00 L			BR		245	186	13	148	38	0.1	660	16.0	2	7.70	3.8	10.1	0.020	10	5.8
37A	781013	18	587954	7607503	LT 1	33	00 M			BR GY		174	138	13	90	38	0.1	695	70.0	2	7.65	5.2	8.4	0.020	10	5.9
37A	781014	18	583785	7608560	GT 5	17	00 M			BR GY		128	50	10	54	24	0.1	590	25.0	1	5.60	3.0	4.0	0.070	10	6.2
37A	781015	18	579080	7608964	LT 1	21	00 L			BR GY		200	126	10	110	75	0.1	400	14.0	2	4.35	7.6	6.9	0.140	10	6.2
37A	781016	18	573905	7608189	LT 1	10	00 M			BR		182	200	10	88	98	0.1	1200	19.0	4	4.80	8.0	7.2	0.280	56	4.6
37A	781017	18	569432	7604525	LT 1	30	00 M			BR		160	134	11	150	30	0.1	540	22.0	3	5.35	7.0	9.7	0.100	10	6.8
37A	781018	18	565981	7600462	LT 1	15	00 M			BR GY		300	194	17	150	19	0.3	320	24.0	2	3.60	26.6	40.7	0.100	10	6.5
37A	781020	18	563542	7598110	POND	12	00 L			BR GY		104	50	12	48	13	0.1	310	11.0	11	3.80	4.0	15.3	0.460	10	6.7
37A	781022	18	559822	7594767	POND	20	00 L			BR GN		100	54	5	46	9	0.1	200	6.0	2	2.00	33.4	27.2	0.300	10	7.0
37A	781023	18	556274	7595496	LT 1	7	00 L			BR		78	28	8	30	9	0.1	185	2.0	2	2.70	24.0	13.7	0.500	10	7.3
37A	781024	18	559182	7597681	LT 1	15	00 L			BR GN		92	66	7	52	7	0.1	150	2.0	3	1.95	29.8	29.2	0.270	10	6.7
37A	781025	18	562203	7602032	POND	13	00 L			BR GY		180	168	12	120	20	0.1	320	18.0	4	4.10	14.2	27.6	0.170	10	6.5
37A	781026	18	564356	7605669	LT 1	15	70 M			BR		250	138	8	132	18	0.1	255	16.0	2	3.40	6.6	6.8	0.090	10	6.2
37A	781027	18	565178	7604991	POND	20	10 M			BR GY		260	250	13	166	55	0.1	360	105.0	5	5.60	11.6	11.0	0.020	20	5.9
37A	781028	18	565178	7604991	POND	20	20 M			BR GY		240	210	14	172	44	0.1	475	75.0	3	5.80	9.4	9.4	0.040	20	6.1
37A	781029	18	569981	7608723	1-5	28	00 M			BR		290	96	6	106	25	0.1	390	30.0	2	5.20	9.8	6.1	0.050	10	5.9
37A	781030	18	576734	7606230	LT 1	13	00 M			BR GY		270	240	10	188	53	0.1	360	22.0	4	4.00	14.8	23.9	0.190	10	6.2
37A	781031	18	578265	7607449	LT 1	12	00 M			BR		200	142	7	108	25	0.1	345	8.0	2	3.80	12.6	7.3	0.100	10	6.3
37A	781032	18	583212	7604495	POND	8	00 M			BK BR		184	82	8	84	28	0.1	600	5.0	2	7.60	9.4	11.6	0.180	10	6.2
37A	781033	18	587249	7603890	POND	16	00 M			BR GY		126	192	5	74	25	0.1	300	23.0	1	4.10	8.6	9.1	0.070	10	5.8
37A	781034	18	591190	7605510	1-5	25	00 M			GY		210	200	7	132	26	0.3	250	9.0	1	5.90	16.2	9.7	0.100	10	5.6
37A	781035	18	594608	7605462	1-5	35	00 L			BR GY		184	148	5	130	27	0.1	345	23.0	1	4.10	6.6	7.4	0.130	10	5.6
37A	781036	18	597142	7605392	LT 1	29	00 M			BR		186	158	5	104	19	0.2	210	14.0	1	6.40	12.8	10.1	0.050	10	5.6
37A	781038	18	602391	7605703	POND	33	00 M			BR GY		128	134	7	78	23	0.1	370	11.0	1	4.50	5.6	7.1	0.060	10	5.8
37A	781039	18	624324	7547425	LT 1	11	00 L			GY		152	30	17	26	11	0.1	240	0.5	1	3.40	10.2	11.6	0.100	10	6.1
37A	781040	18	623697	7550249	LT 1	11	00 L			BR GY		198	58	28	30	19	0.1	965	0.5	4	8.20	12.6	28.3	0.080	10	6.2
37A	781042	18	621997	7554446	LT 1	20	70 L			GY		138	52	21	24	7	0.1	120	0.5	3	2.60	12.4	28.4	0.200	10	6.3
37A	781043	18	622504	7555626	LT 1	22	10 L			GY		200	90	31	48	13	0.1	195	0.5	2	3.85	12.0	19.0	0.160	10	6.3
37A	781044	18	622504	7555626	LT 1	22	20 L			GY		194	82	31	44	14	0.1	200	0.5	2	3.30	10.8	17.5	0.130	10	6.3
37A	781045	18	622786	7558567	POND	12	00 L			GY		96	36	10	30	12	0.1	165	0.5	2	3.00	6.4	16.3	0.080	10	6.7
37A	781046	18	623502	7561849	LT 1	15	00 L			BR GY		158	56	22	50	17	0.1	280	0.5	1	4.55	4.0	16.6	0.100	10	6.2
37A	781047	18	623240	7564151	POND	15	00 L			GY		184	66	32	48	16	0.1	270	0.5	2	5.30	10.0	17.4	0.130	10	6.1
37A	781048	18	623056	7567920	LT 1	15	00 L			BR		152	52	32	38	11	0.1	360	0.5	1	5.00	7.6	16.3	0.110	10	6.7
37A	781049	18	622742	7572396	1-5	77	00 L			GY		120	52	15	32	10	0.1	290	1.0	1	3.00	5.6	29.5	0.190	10	6.8
37A	781050	18	493555	7642531	LT 1	35	00 M			BR		310	205	1	182	70	1.0	180	22.0	2	4.30	21.4	10.7	0.050	20	5.8
37A	781051	18	504174	7633168	LT 1	18	00 L			BR		58	86	5	52	7	0.1	130	5.0	8	2.00	51.2	22.7	0.360	10	7.7
37A	781053	18	506922	7633891	LT 1	10	00 L			BK BR		82	30	9	30	10	0.1	230	4.0	17	3.30	7.2	6.8	0.150	10	7.1
37A	781054	18	510423	7631395	LT 1	10	00 L			BR GY		76	24	7	28	8	0.1	255	8.0	12	3.40	4.8	5.3	0.200	10	7.1
37A	781055	18	512132	7632709	LT 1	7	00 L			BR		100	52	6	50	13	0.1	230	3.0	4	3.70	16.6	7.7	0.190	20	7.2
37A	781056	18	516973	7630104	LT 1	6	00 L			BR		94	30	7	38	12	0.1	240	3.0	1	3.45	6.8	3.4	0.120	20	6.1

MAP	ID	UTM COORDINATES ZN	EAST	NORTH	LAKE AREA	SMP DTH	RP ST	REL F	GEL	CONT	SAMP COLOR	SUSP	ZN	CU	PB	NI	CO	AG	MN	AS	MO	FE	LOI	U	U-W	F-W	PH
37A	781057	18	517564	7627782	LT 1	17	00	M			BR GY		245	265	20	110	32	0.5	305	30.0	4	4.80	29.4	9.4	0.040	10	6.2
37A	781058	18	518868	7626835	LT 1	23	00	M			BR		230	168	31	108	22	0.6	320	27.0	3	4.50	12.4	8.6	0.090	10	7.0
37A	781059	18	519959	7621459	LT 1	10	00	L			BR		66	30	5	26	6	0.1	190	5.0	1	2.10	9.2	7.1	0.310	10	6.0
37A	781060	18	521409	7620575	LT 1	11	00	L			BR		66	38	6	32	7	0.1	210	3.0	3	2.50	11.8	10.9	0.280	10	6.9
37A	781062	18	526999	7616594	LT 1	15	00	L			BR		84	94	7	40	7	0.1	150	6.0	2	2.20	17.6	42.6	0.850	10	7.0
37A	781063	18	528691	7617126	LT 1	17	70	L			BR GY		68	26	8	28	9	0.1	210	17.0	8	2.80	2.8	9.4	0.800	10	6.8
37A	781064	18	530782	7616010	LT 1	16	10	L			BR		94	62	6	40	8	0.1	210	6.0	2	2.90	13.6	14.2	0.250	10	6.9
37A	781065	18	530782	7616010	LT 1	16	20	L			BR		88	50	5	36	6	0.1	190	4.0	1	2.30	11.8	12.3	0.270	10	7.0
37A	781066	18	530742	7618018	LT 1	10	00	L			BR		116	82	11	52	21	0.1	470	50.0	2	4.00	6.0	11.7	0.140	10	6.3
37A	781067	18	532092	7618813	LT 1	17	00	L			BR		116	120	8	64	11	0.3	280	42.0	3	3.50	22.0	13.5	0.110	10	6.8
37A	781068	18	533236	7616252	LT 1	9	00	L			BR GY		94	76	6	54	12	0.1	240	13.0	4	3.85	14.6	29.3	0.400	10	6.9
37A	781070	18	531795	7610273	LT 1	9	00	M			BR		68	36	5	28	7	0.1	190	1.0	2	2.05	16.2	9.5	0.200	10	7.0
37A	781071	18	537156	7613945	LT 1	15	00	L			BK BR		92	94	6	58	13	0.1	220	16.0	3	2.70	15.0	17.2	0.320	10	6.9
37A	781072	18	537844	7611761	LT 1	17	00	L			BK BR		56	14	7	20	6	0.1	200	6.0	12	2.20	4.8	5.9	0.300	10	7.0
37A	781073	18	540897	7605010	LT 1	10	00	L			BR		62	26	8	22	5	0.1	190	2.0	15	2.00	10.8	14.7	0.550	10	7.3
37A	781074	18	562291	7604414	LT 1	6	00	L			BR GY		120	76	7	66	15	0.1	310	20.0	3	4.00	5.8	6.6	0.060	10	6.2
37A	781075	18	565026	7607591	GT 5	52	00	M			BR GY		152	70	10	64	29	0.1	560	27.0	2	5.60	5.0	5.3	0.060	10	6.5
37A	781076	18	565735	7610784	GT 5	24	00	M			BR GY		174	74	11	78	32	0.1	640	24.0	2	6.30	5.6	5.2	0.060	10	6.3
37A	781077	18	570100	7612148	LT 1	27	00	M			BK BR		162	162	9	108	54	0.1	660	25.0	5	6.20	5.0	5.8	0.040	10	5.8
37A	781078	18	562943	7610226	POND	16	00	M			BR GY		150	178	11	96	39	0.1	480	30.0	3	5.85	5.2	16.4	0.180	10	6.0
37A	781079	18	561434	7608308	GT 5	17	00	L			BR		170	66	9	76	15	0.1	320	8.0	2	4.00	13.6	6.7	0.060	10	6.5
37A	781080	18	558363	7605317	POND	11	00	L			BR		180	138	32	78	13	0.4	270	25.0	7	4.80	24.0	159.0	1.100	10	6.6
37A	781082	18	557506	7609217	LT 1	11	00	L			GY		178	78	10	74	18	0.1	410	9.0	3	5.50	7.6	8.8	0.190	10	6.5
37A	781083	18	559713	7612047	LT 1	25	00	M			BR		140	54	9	62	22	0.1	420	17.0	2	7.10	5.8	5.1	0.210	22	6.3
37A	781084	18	558340	7615772	LT 1	26	00	M			BR		130	86	7	58	15	0.4	320	12.0	3	4.40	9.4	6.4	0.070	10	6.7
37A	781085	18	556557	7614846	LT 1	20	70	L			BR		162	162	10	88	19	0.4	270	15.0	2	3.60	14.8	22.7	0.240	10	6.5
37A	781087	18	556799	7613873	LT 1	25	10	L			BR		94	64	8	50	15	0.1	270	16.0	12	4.10	6.4	12.1	0.260	10	6.6
37A	781088	18	556799	7613873	LT 1	25	20	L			BR		90	50	7	46	15	0.1	270	11.0	14	3.90	6.8	9.4	0.260	10	6.6
37A	781089	18	551555	7613301	LT 1	5	00	L			BK		48	12	6	18	5	0.1	150	3.0	7	1.90	9.0	4.7	0.430	400	7.5
37A	781090	18	550750	7613661	LT 1	15	00	L			BK BR		58	20	6	20	5	0.1	200	2.0	9	2.30	6.0	4.9	0.570	40	7.5
37A	781091	18	551615	7618843	LT 1	20	00	L			BK BR		76	20	6	26	9	0.1	240	5.0	6	2.95	6.0	4.1	0.100	10	7.4
37A	781092	18	531735	7624725	LT 1	23	00	M			BK BR		72	22	8	30	7	0.1	330	5.0	15	3.00	4.4	5.7	0.120	10	7.0
37A	781093	18	529078	7621891	LT 1	26	00	M			BR GY		126	88	11	62	31	0.2	1050	140.0	3	7.90	7.2	7.2	0.100	10	6.5
37A	781094	18	527132	7624029	LT 1	40	00	M			BR		134	64	10	50	13	0.1	330	14.0	1	4.20	7.6	5.7	0.100	10	6.8
37A	781095	18	526230	7625394	LT 1	12	00	M			BR		128	118	10	60	10	0.2	240	30.0	5	3.50	28.0	8.8	0.050	10	6.8
37A	781096	18	521989	7629552	GT 5	11	00	L			GY		106	30	1	46	9	0.1	350	7.0	8	4.65	3.0	4.8	0.070	10	7.0
37A	781097	18	519313	7630525	LT 1	10	00	L			BR		98	34	7	42	9	0.1	320	4.0	10	3.70	9.8	5.6	0.050	10	7.1
37A	781098	18	518436	7633116	LT 1	10	00	L			BK		88	26	8	30	10	0.1	340	6.0	5	3.65	7.0	3.6	0.470	40	7.8
37A	781099	18	512228	7637900	LT 1	7	00	L			BR		66	18	5	30	6	0.1	240	1.0	4	2.70	5.6	3.8	0.130	20	7.2
37A	781100	18	492667	7645274	1-5	17	00	M			BK GY		80	26	9	36	6	0.1	265	7.0	16	3.20	2.2	6.2	0.110	10	7.1
37A	781102	18	618835	7637461	POND	15	70	L			BR GY		130	122	14	84	37	0.4	520	190.0	3	4.90	1.8	9.9	0.070	10	6.5
37A	781103	18	620103	7638103	LT 1	12	10	L			BR		148	168	8	94	30	0.1	495	225.0	4	5.85	4.4	10.0	0.330	10	6.5
37A	781104	18	620103	7638103	LT 1	12	20	L			BR		136	134	6	78	26	0.1	510	220.0	4	5.60	4.2	8.8	0.210	10	6.5
37A	781106	18	619742	7643373	LT 1	11	00	L			BR GY		122	120	12	56	13	0.1	230	64.0	1	4.20	2.6	6.0	0.030	10	5.8
37A	781107	18	618700	7647033	POND	10	00	L			BR		106	120	19	48	25	0.1	380	75.0	1	4.60	3.8	5.9	0.110	10	5.7
37A	781108	18	618402	7653440	LT 1	25	00	L			BR TN		82	98	11	36	10	0.8	210	52.0	1	4.00	3.8	6.1	0.170	10	5.5
37A	781109	18	614996	7654474	LT 1	16	00	L			BR GY		86	68	8	40	9	0.1	200	24.0	1	3.90	3.4	4.2	0.070	10	6.0
37A	781110	18	613820	7655668	LT 1	15	00	L			BK BR		112	114	10	72	20	0.4	160	130.0	2	4.20	3.2	6.4	0.050	10	5.8
37A	781111	18	608232	7654901	LT 1	6	00	L			BR		146	98	4	62	15	0.2	210	50.0	1	3.10	11.2	5.5	0.050	10	5.9
37A	781112	18	598590	7654034	POND	13	00	L			BR		86	66	14	40	9	0.1	220	19.0	1	2.90	10.6	4.4	0.020	10	5.7

MAP	ID	UTM COORDINATES ZN	EAST	NORTH	LAKE AREA	SMP DTH	RP ST	REL F	CONT	SAMP COLOR	SUSP	ZN	CU	PB	NI	CO	AG	MN	AS	MO	FE	LOI	U	U-W	F-W	PH
37A	781113	18	603236	7655663	POND	8	00	L		BR		86	56	7	38	10	0.1	210	17.0	1	2.80	4.6	3.4	0.040	10	5.8
37A	781114	18	605697	7654908	POND	12	00	L		BR GY		112	84	4	52	13	0.1	210	27.0	1	3.50	6.8	4.8	0.050	10	5.8
37A	781115	18	613701	7651029	LT 1	20	00	L		BR		150	198	12	108	32	0.3	180	210.0	2	7.10	5.4	7.8	0.160	10	5.6
37A	781116	18	616292	7647013	POND	13	00	L		BR GY		70	46	8	28	6	0.1	180	120.0	1	3.70	4.0	2.9	0.100	10	5.7
37A	781117	18	617173	7644104	POND	13	00	L		GY GN		72	82	7	50	10	0.4	120	105.0	1	2.00	6.4	3.9	0.030	10	5.6
37A	781118	18	501619	7649106	LT 1	10	00	L		BK BR		118	32	0	58	11	0.1	330	10.0	12	4.40	5.0	6.2	0.120	26	7.1
37A	781119	18	508547	7650985	LT 1	6	00	L		BR		90	28	8	36	9	0.1	250	4.0	2	2.90	8.8	3.7	0.410	32	7.6
37A	781120	18	511450	7650913	LT 1	7	00	L		BR		120	38	13	50	13	0.1	380	4.0	5	4.50	11.2	5.6	0.400	32	7.4
37A	781122	18	527070	7636835	LT 1	20	00	L		BR		144	48	9	78	15	0.1	250	9.0	3	3.90	10.8	5.6	0.140	10	6.8
37A	781123	18	529300	7633145	1-5	23	00	L		BR GY		92	32	6	28	15	0.1	320	36.0	1	3.60	1.6	3.1	0.120	10	6.2
37A	781124	18	537265	7634033	LT 1	30	00	L		BR		200	94	16	76	22	0.5	370	21.0	3	5.00	7.6	5.8	0.090	10	6.2
37A	781125	18	550284	7631948	GT 5	35	00	L		BR GY		180	82	19	68	25	0.1	665	74.0	2	5.90	1.4	5.6	0.050	10	6.3
37A	781126	18	559088	7630474	1-5	41	00	M		BR GY		154	104	15	74	23	0.1	620	400.0	2	5.50	3.0	5.4	0.030	10	6.3
37A	781127	18	562472	7630038	POND	7	70	M		BK		170	116	17	78	25	0.1	440	26.0	2	6.95	9.0	6.5	0.130	30	5.5
37A	781128	18	563165	7631331	1-5	65	10	M		BR GY		146	160	13	80	20	0.4	330	100.0	1	4.60	9.0	7.8	0.040	10	6.4
37A	781129	18	563165	7631331	1-5	65	20	M		BR GY		140	130	13	72	25	0.1	450	66.0	2	5.00	4.0	6.7	0.030	10	6.3
37A	781130	18	567033	7626075	LT 1	11	00	L		BR GY		146	98	10	110	18	0.1	295	17.0	2	3.90	2.8	6.1	0.060	10	6.1
37A	781131	18	568340	7618366	POND	28	00	L		BR GY		114	192	8	82	18	1.0	200	62.0	3	3.60	11.4	9.5	0.100	10	6.0
37A	781132	18	568964	7617359	LT 1	20	00	L		BR GY		98	80	7	68	16	0.1	215	23.0	2	3.35	3.4	4.7	0.040	10	6.0
37A	781133	18	573571	7615099	GT 5	35	00	M	1	BR GY		92	38	7	40	15	0.1	390	23.0	2	4.00	1.8	3.6	0.080	10	6.2
37A	781134	18	569709	7621397	1-5	7	00	L		BR GY		126	90	8	94	19	0.1	240	55.0	3	3.85	4.6	6.2	0.050	10	6.0
37A	781136	18	569739	7626036	LT 1	31	00	L		BR		98	80	8	52	12	0.3	250	15.0	1	3.60	3.8	4.9	0.080	10	6.4
37A	781137	18	566881	7628662	1-5	19	00	L		BR GY		118	100	10	70	14	0.1	270	15 0	2	3.30	10.2	6.2	0.030	10	6.7
37A	781138	18	557987	7635087	1-5	29	00	L		BR		100	56	7	44	11	0.1	265	14.0	1	3.30	4.4	3.8	0.110	10	6.0
37A	781139	18	554323	7635270	1-5	11	00	L		BR		98	64	11	52	17	0.1	440	95.0	1	4.50	3.2	4.3	0.060	10	6.0
37A	781140	18	548694	7635254	1-5	25	00	L		BR GY		86	54	7	36	15	0.1	270	25.0	1	3.60	17.6	3.9	0.070	20	6.0
37A	781142	18	537337	7635755	LT 1	12	00	L		BR		144	52	7	54	13	0.1	285	5.0	1	4.10	4.4	3.3	0.040	20	6.9
37A	781143	18	533229	7636106	LT 1	23	00	L		BR		88	32	6	28	13	0.1	310	31.0	1	4.10	2.0	2.7	0.070	10	6.1
37A	781144	18	530130	7636350	1-5	10	00	L		BR		152	54	10	58	22	0.1	370	12.0	1	5.10	3.8	4.7	0.180	10	6.7
37A	781145	18	528943	7642794	LT 1	3	00	L		BR		150	62	18	56	17	0.1	410	17.0	1	6.90	16.0	3.8	0.110	10	6.6
37A	781146	18	526256	7646696	1-5	20	00	L		BR GY		174	54	17	54	27	0.1	450	22.0	2	7.35	5.8	4.2	0.040	10	6.6
37A	781147	18	527606	7649886	GT 5	21	00	L		BR GY		138	52	14	46	27	0.1	1000	95.0	1	7.80	3.6	4.5	0.070	10	6.2
37A	781148	18	514377	7651948	POND	10	70	L		BR		130	50	10	78	13	0.2	345	7.0	4	5.10	12.8	5.5	0.160	26	7.2
37A	781149	18	513742	7650800	LT 1	12	10	L		BR		90	32	8	44	10	0.1	265	2.0	2	3.40	18.2	4.7	0.370	10	7.5
37A	781150	18	513742	7650800	LT 1	12	20	L		BR		90	32	9	46	9	0.1	260	1.0	2	3.40	16.6	4.5	0.150	20	7.3
37A	781151	18	505358	7651179	POND	7	00	L		BK		126	34	9	56	14	0.1	310	5.0	1	3.95	13.4	3.9	0.120	26	7.3
37A	781152	18	502134	7650566	LT 1	7	00	L		GY		110	36	9	38	11	0.1	300	10.0	14	4.90	2.6	6.3	0.210	32	7.4
37A	781153	18	499295	7649340	LT 1	10	00	L		BK		146	40	14	42	15	0.1	345	5.0	12	6.50	5.4	6.1	0.130	38	7.3
37A	781154	18	620102	7634220	LT 1	12	00	M		BR		96	64	7	44	12	0.1	240	16.0	1	3.50	4.6	4.9	0.060	10	6.4
37A	781155	18	616125	7636623	LT 1	11	00	L		GY		190	134	14	104	24	0.2	230	23.0	1	3.40	6.4	5.8	0.040	10	5.9
37A	781156	18	615487	7642447	LT 1	25	00	L		BR		66	78	10	30	10	0.1	165	45.0	1	2.70	4.4	4.1	0.010	10	5.8
37A	781157	18	612541	7644038	LT 1	17	00	L		BR GY		58	52	6	28	8	0.1	140	15.0	1	2.55	4.0	3.0	0.010	10	5.8
37A	781158	18	608378	7644974	LT 1	31	00	L		BR		56	30	4	18	6	0.1	170	38.0	1	2.50	2.6	2.5	0.020	10	5.6
37A	781159	18	605670	7645845	LT 1	14	00	L		BR		80	56	7	32	24	0.1	390	54.0	1	3.70	2.6	3.3	0.020	10	5.8
37A	781162	18	603629	7646681	LT 1	27	00	L		BR GY		72	58	7	26	13	0.1	200	185.0	2	3.80	2.2	4.2	0.020	10	5.7
37A	781163	18	600245	7647105	POND	21	00	L		BR		82	58	8	34	12	0.1	210	25.0	1	4.00	2.0	3.3	0.060	10	5.9
37A	781165	18	596584	7646831	LT 1	18	00	L		BR		78	62	9	34	20	0.2	270	90.0	2	3.80	3.4	3.9	0.080	10	6.0
37A	781166	18	592969	7646874	POND	17	00	L		BR		84	62	7	36	10	0.1	200	14.0	1	2.70	7.2	4.4	0.020	10	5.9
37A	781167	18	591728	7653820	POND	12	70	L		GY		80	46	5	36	10	0.1	200	14.0	1	2.45	4.8	3.3	0.040	10	5.9
37A	781168	18	592822	7654094	POND	11	10	L		BR		100	62	6	50	13	0.1	230	19.0	1	3.25	4.2	3.4	0.030	10	6.0

MAP	ID	UTM COORDINATES ZN	EAST	NORTH	LAKE AREA	SMP DTH	RP ST	REL F	COL T	SAMP COLOR	SUSP	ZN	CU	PB	NI	CO	AG	MN	AS	MO	FE	LOI	U	U-W	F-W	PH
37A	781169	18	592822	7654094	POND	11	20	L		BR		92	54	6	38	12	0.1	220	21.0	1	3.00	4.0	2.9	0.020	10	6.0
37A	781170	18	620852	7615506	LT 1	33	00	M		BR		80	80	6	46	15	0.2	210	9.0	2	2.35	6.2	4.8	0.090	20	5.7
37A	781171	18	617929	7616557	LT 1	30	00	M		GY		152	118	11	114	36	0.2	450	22.0	2	5.40	24.0	7.4	0.070	20	6.3
37A	781172	18	612400	7615100	LT 1	41	00	M		GY		120	78	8	58	21	0.1	370	10.0	1	4.60	3.6	6.0	0.010	10	6.1
37A	781173	18	612800	7617600	LT 1	25	00	M		BR		160	128	12	92	20	0.4	250	17.0	3	3.60	10.0	8.2	0.040	10	6.0
37A	781174	18	610168	7618267	LT 1	41	00	M		BR		154	114	13	66	48	0.1	790	14.0	3	5.70	3.8	7.4	0.010	10	5.9
37A	781175	18	608612	7617105	LT 1	33	00	M		BR GY		158	108	12	88	44	0.1	500	14.0	2	5.95	4.8	7.0	0.090	10	5.9
37A	781176	18	605538	7614870	1-5	26	00	M		BR GY		178	94	11	102	31	0.1	410	10.0	2	5.90	3.6	6.7	0.040	10	5.9
37A	781177	18	603416	7615974	1-5	46	00	M		BR		94	88	9	48	44	0.1	710	25.0	3	4.30	3.0	6.3	0.110	10	6.0
37A	781178	18	603297	7618904	1-5	17	00	M		BR GY		78	52	5	36	26	0.1	420	75.0	1	4.20	1.2	3.6	0.040	10	6.0
37A	781179	18	597730	7618455	1-5	15	00	M		BR GY		132	72	10	66	24	0.2	400	25.0	3	5.85	4.6	5.3	0.080	10	6.6
37A	781180	18	599212	7616313	LT 1	20	00	M		GY GN		118	140	8	68	20	0.4	180	28.0	1	3.00	10.4	8.3	0.100	10	6.0
37A	781182	18	595520	7614933	LT 1	19	00	M		BR		122	146	8	64	15	0.2	170	66.0	2	3.20	10.2	9.0	0.100	10	5.9
37A	781183	18	596002	7618604	LT 1	30	70	M		BR		118	100	5	60	52	0.1	460	68.0	2	2.95	3.4	5.8	0.070	10	6.1
37A	781184	18	594239	7617850	LT 1	24	10	M		BR		102	120	5	58	18	0.2	190	55.0	2	3.00	7.0	7.0	0.060	10	6.1
37A	781186	18	594239	7617850	LT 1	24	20	M		BR		146	114	5	62	13	0.5	180	29.0	1	2.35	13.4	7.2	0.030	10	6.1
37A	781187	18	591102	7619530	1-5	25	00	M		BR GY		80	56	4	36	32	0.2	410	120.0	1	3.60	3.2	3.5	0.020	10	6.0
37A	781188	18	590702	7617009	POND	22	00	M		BK BR		94	114	5	52	36	0.3	210	80.0	2	3.40	7.0	6.2	0.110	20	6.1
37A	781189	18	588550	7616060	POND	16	00	M		BR		230	196	4	118	28	0.9	120	70.0	2	2.15	17.4	7.9	0.100	10	5.8
37A	781190	18	585744	7618960	POND	10	00	L		BR		82	64	6	50	15	0.1	200	45.0	5	3.10	11.0	7.6	0.080	10	7.0
37A	781191	18	581834	7618369	POND	14	00	L		BR		124	168	5	100	18	0.2	180	26.0	3	2.70	22.0	8.4	0.170	20	6.7
37A	781192	18	597533	7597268	LT 1	31	00	M		BR		124	96	8	62	22	0.2	240	11.0	5	4.00	7.6	24.2	0.250	10	5.8
37A	781193	18	600880	7594627	1-5	33	00	M		BR GY		136	94	8	50	20	0.1	340	5.0	4	4.45	2.8	15.3	0.170	20	5.1
37A	781194	18	604759	7589161	LT 1	25	00	M		BR		94	66	7	30	9	0.2	160	1.0	2	2.80	4.0	15.5	0.180	10	5.6
37A	781195	18	605998	7586683	LT 1	38	00	M		GY		74	44	8	22	10	0.1	150	0.5	1	2.20	4.0	8.9	0.170	10	5.8
37A	781196	18	607538	7585843	LT 1	41	00	M		BR GY		176	94	9	64	16	0.2	180	1.0	4	2.70	8.2	12.7	0.050	10	5.9
37A	781197	18	606378	7583923	LT 1	13	00	H		BR GY		114	90	15	40	21	0.1	280	2.0	7	4.30	5.4	35.6	0.150	10	6.0
37A	781198	18	608310	7577691	GT 5	59	00	M		BR GY		118	56	13	40	12	0.1	150	0.5	3	2.85	6.0	19.9	0.060	10	6.3
37A	781199	18	605703	7575982	LT 1	27	00	M		BR		168	116	21	46	13	0.3	200	0.5	8	3.85	24.6	49.3	0.240	10	6.9
37A	781200	18	605378	7573295	LT 1	50	00	M		BR GY		116	58	1	36	12	0.1	190	0.5	4	3.50	7.0	28.4	0.230	10	7.0
37A	781202	18	605365	7569457	1-5	20	70	M		GY		160	40	5	44	20	0.1	450	6.0	4	5.60	2.8	6.8	0.220	10	6.9
37A	781203	18	606644	7569965	LT 1	28	10	M		GY GN		162	62	28	20	9	0.1	295	0.5	3	3.70	28.6	38.3	0.270	10	6.7
37A	781204	18	606644	7569965	LT 1	28	20	M		GY GN		154	60	30	18	9	0.2	280	0.5	3	3.50	28.8	38.5	0.300	10	6.8
37A	781205	18	609053	7568937	LT 1	9	00	M		BR		158	78	20	20	11	0.1	395	0.5	3	3.90	24.4	47.7	0.260	22	6.6
37A	781206	18	610429	7566006	LT 1	34	00	H		BR		80	40	17	10	7	0.2	145	0.5	1	1.80	14.0	21.5	0.250	10	6.7
37A	781207	18	611886	7565027	LT 1	21	00	M		BR		108	116	14	42	9	0.1	140	0.5	15	1.80	25.6	15.1	0.170	10	7.1
37A	781208	18	609418	7562071	1-5	50	00	M		BR GN		90	30	13	12	7	0.1	190	0.5	2	2.65	21.0	10.2	0.120	10	7.0
37A	781209	18	609211	7557617	LT 1	20	00	M		GY		182	68	75	28	10	0.3	170	0.5	2	3.10	11.4	144.0	0.780	10	6.7
37A	781210	18	607074	7554622	LT 1	20	00	M		BR GY		90	26	20	12	5	0.1	95	0.5	1	1.45	8.4	28.4	0.150	10	6.5
37A	781211	18	610399	7553811	POND	18	00	M		BR GY		132	40	35	22	10	0.1	130	0.5	1	2.60	16.8	25.7	0.290	10	6.6
37A	781212	18	613370	7554692	LT 1	32	00	M		BR GY		112	30	19	24	11	0.1	180	0.5	1	3.20	1.0	7.6	0.150	10	6.6
37A	781213	18	612935	7557815	1-5	20	00	M		BR GY		100	24	16	16	10	0.1	215	0.5	1	3.00	1.6	14.5	0.210	10	6.3
37A	781214	18	612829	7560643	LT 1	40	00	L		GY		126	36	23	20	9	0.1	190	0.5	1	3.20	9.2	10.5	0.090	10	6.6
37A	781215	18	616446	7566008	LT 1	40	00	M		BR		106	32	21	16	9	0.3	190	0.5	4	2.95	22.4	22.6	0.140	10	6.6
37A	781216	18	615598	7567887	POND	30	00	M		BR GY		138	40	30	18	10	0.2	210	0.5	1	3.20	17.0	39.0	0.240	10	6.5
37A	781217	18	612755	7567342	LT 1	21	00	M		BR GY		158	62	35	22	9	0.1	250	0.5	4	3.30	25.2	33.3	0.120	10	6.6
37A	781219	18	616259	7571824	LT 1	37	00	M		BR GY		168	72	36	32	12	0.1	320	0.5	2	5.10	10.4	39.8	0.370	10	7.0
37A	781220	18	613202	7572875	GT 5	40	00	M		BR GY		290	140	9	124	53	0.1	805	52.0	5	7.40	3.6	15.7	0.110	10	6.3
37A	781222	18	609826	7572301	1-5	55	70	M		BR		345	118	2	142	31	0.3	355	27.0	2	4.10	9.4	18.7	0.150	10	6.2
37A	781223	18	608693	7573126	LT 1	44	10	M		GY		120	78	3	30	12	0.1	205	0.5	4	2.60	16.0	50.7	0.260	10	6.8

MAP	ID	UTM COORDINATES ZN	EAST	NORTH	LAKE AREA	SMP DTH	RP ST	REL F	GEL	CONT	SAMP COLOR	SUSP	ZN	CU	PB	NI	CO	AG	MN	AS	MO	FE	LOI	U	U-W	F-W	PH
37A	781224	18	608693	7573126	LT 1	44	20	M			GY		152	84	18	32	11	0.2	230	0.5	3	3.00	17.0	45.7	0.250	10	6.9
37A	781225	18	610323	7575146	LT 1	55	00	M			BR GY		176	136	19	60	22	0.3	290	0.5	4	5.50	7.6	33.5	0.370	10	6.7
37A	781227	18	611900	7576523	POND	12	00	M			BR GY		98	52	9	30	11	0.1	210	1.0	2	3.20	4.2	14.5	0.160	10	6.5
37A	781228	18	616081	7576757	GT 5	70	00	M			BR		290	154	17	124	75	0.1	1450	24.0	2	6.90	7.0	20.1	0.160	10	6.4
37A	781229	18	617261	7580284	LT 1	70	00	M			BR GY		166	142	10	82	28	1.0	210	0.5	1	4.90	18.0	10.1	0.040	10	6.2
37A	781230	18	616700	7582314	GT 5	60	00	M			BR GY		325	172	18	160	88	0.1	755	47.0	2	6.00	6.2	16.2	0.090	10	6.1
37A	781231	18	616030	7585521	GT 5	112	00	M			BR		270	215	18	128	81	0.3	1300	26.0	2	7.20	6.2	15.5	0.110	20	5.7
37A	781232	18	620471	7586725	LT 1	34	00	M			BR GY		220	144	18	85	23	0.2	370	1.0	1	4.60	5.4	29.8	0.200	10	5.9
37A	781233	18	618441	7591165	LT 1	24	00	M			BR		260	210	24	115	44	0.3	250	1.0	5	9.70	17.0	41.8	0.260	10	6.1
37A	781234	18	618311	7595475	LT 1	15	00	M			BR GY		72	112	5	21	9	0.4	180	2.0	3	5.45	7.0	17.5	0.530	20	4.6
37A	781235	18	619878	7597621	GT 5	65	00	M			BR		172	146	9	78	52	0.2	500	37.0	2	5.65	4.2	8.9	0.110	10	5.4
37A	781236	18	583251	7597129	LT 1	45	00	M			BR		184	150	12	102	35	0.4	330	24.0	4	8.50	13.2	25.9	0.160	10	5.6
37A	781237	18	584102	7593464	LT 1	37	00	L			BR		200	184	11	75	25	0.3	330	5.0	3	5.20	10.8	23.2	0.220	20	5.3
37A	781238	18	586115	7590766	LT 1	23	00	M			BR		102	80	14	32	46	0.1	790	9.0	2	3.70	7.4	50.2	0.280	10	6.0
37A	781239	18	590429	7590732	LT 1	20	00	M			BR GY		138	106	13	50	22	0.1	380	4.0	2	4.40	4.0	17.3	0.230	10	5.8
37A	781240	18	591321	7586304	LT 1	23	00	M			BR		158	68	9	39	9	0.3	110	1.0	2	2.90	16.6	20.3	0.120	10	6.1
37A	781242	18	592002	7583962	LT 1	16	70	L			BR		142	46	11	36	15	0.1	260	0.5	1	3.30	4.8	10.7	0.210	10	5.7
37A	781243	18	591623	7581899	LT 1	30	10	L			BR		140	66	11	39	9	0.3	160	0.5	1	2.45	16.4	17.2	0.370	10	6.4
37A	781244	18	591623	7581899	LT 1	30	20	L			BR		124	74	9	45	11	0.1	130	0.5	1	3.25	24.6	17.2	0.140	10	6.6
37A	781245	18	593970	7578716	LT 1	30	00	M			BR GY		182	94	13	50	11	0.2	160	1.0	4	3.10	14.8	23.2	0.060	10	6.3
37A	781246	18	592202	7575922	1-5	21	00	M			BR		144	66	14	30	13	0.1	220	2.0	2	2.75	6.8	20.2	0.130	10	6.5
37A	781247	18	592052	7573876	POND	22	00	M			BR		120	56	15	25	13	0.1	180	0.5	1	3.05	8.4	9.9	0.100	10	6.5
37A	781248	18	592222	7569802	LT 1	12	00	L			BR GY		94	24	4	25	10	0.2	230	2.0	11	3.55	6.6	7.3	0.110	20	7.2
37A	781249	18	587596	7565853	1-5	47	00	L			BR GN		88	32	11	20	9	0.1	180	2.0	2	2.45	25.0	8.9	0.160	10	7.6
37A	781250	18	590793	7557340	1-5	23	00	L			BR		68	20	10	15	7	0.1	110	0.5	1	1.90	19.0	6.9	0.180	10	6.9
37A	781251	18	593212	7555853	1-5	16	00	L			GY		154	30	2	38	9	0.1	165	1.0	1	2.35	5.2	7.6	0.120	10	6.7
37A	781252	18	599434	7561421	LT 1	18	00	M			BR GN		102	38	5	12	9	0.1	180	1.0	2	2.40	28.8	12.1	0.280	22	7.2
37A	781253	18	594542	7561376	GT 5	20	00	L			GY		180	44	5	60	15	0.1	245	9.0	1	3.60	7.0	10.8	0.150	26	6.8
37A	781255	18	591815	7562152	LT 1	16	00	L			BR GY		96	24	7	29	12	0.1	290	15.0	1	3.70	2.8	4.5	0.250	32	7.6
37A	781256	18	590666	7564916	GT 5	56	00	L			GY		198	50	8	59	18	0.1	310	7.0	1	4.45	6.0	8.3	0.170	20	6.7
37A	781257	18	594982	7567792	GT 5	52	00	L			BR		190	54	18	48	21	0.1	470	9.0	1	5.50	3.8	7.2	0.060	20	6.5
37A	781258	18	595157	7571007	LT 1	17	00	L			BR		116	34	10	25	11	0.1	190	1.0	1	2.80	16.8	7.0	0.160	20	7.1
37A	781259	18	596006	7575623	LT 1	16	00	L			BR		98	54	13	18	9	0.1	110	0.5	3	2.00	14.6	16.4	0.180	22	6.5
37A	781260	18	596801	7577043	LT 1	31	00	L			BR		124	58	13	25	12	0.1	200	0.5	5	3.25	8.4	20.8	0.130	20	6.7
37A	781262	18	596930	7578606	LT 1	54	00	M			BR GY		86	46	10	19	9	0.1	130	0.5	3	2.65	3.2	13.5	0.150	20	6.6
37A	781263	18	594791	7582836	1-5	44	00	M			BR GY		168	76	13	52	19	0.1	305	2.0	3	4.00	2.0	14.8	0.290	20	6.0
37A	781264	18	594579	7587394	1-5	22	00	M			BK		146	64	0	58	18	0.1	310	2.0	3	8.90	9.6	11.6	0.110	10	6.0
37A	781265	18	594092	7590224	LT 1	14	00	M			BR		170	100	11	55	9	0.2	230	2.0	4	3.45	15.4	11.6	0.160	10	6.1
37A	781266	18	591297	7594140	POND	12	00	M			BR GY		98	74	5	39	9	0.3	230	10.0	4	3.30	4.2	15.6	0.190	20	5.0
37A	781267	18	586253	7595309	LT 1	35	00	L			GY		196	174	11	112	31	0.2	340	12.0	4	4.95	7.0	21.6	0.170	10	5.5
37A	781268	18	586361	7596561	LT 1	57	70	M			GY		180	68	10	85	29	0.1	690	3.0	3	8.05	1.8	10.1	0.100	10	5.9
37A	781269	18	587155	7597764	LT 1	35	10	M			BR GY		210	138	2	98	28	0.1	590	11.0	3	7.10	2.2	15.6	0.140	10	5.8
37A	781270	18	587155	7597764	LT 1	35	20	M			BR GY		245	138	3	115	29	0.1	460	15.0	3	6.20	6.4	21.3	0.120	10	5.9
37A	781272	18	572633	7605456	1-5	59	00	L			BR GY		310	120	14	128	52	0.1	760	32.0	4	5.10	7.4	10.0	0.090	10	6.5
37A	781273	18	570805	7602135	GT 5	59	00	M			BR		194	104	9	64	39	0.1	830	80.0	4	7.80	6.8	6.4	0.060	10	6.3
37A	781274	18	566132	7596477	GT 5	23	00	L			GY		130	54	11	60	31	0.1	300	21.0	5	3.90	5.2	6.8	0.060	10	6.2
37A	781275	18	562905	7593970	GT 5	40	00	L			BR GY		164	84	18	66	38	0.1	610	52.0	3	6.00	5.6	8.7	0.150	10	6.4
37A	781276	18	561819	7589063	1-5	5	00	L			BK BR		72	20	7	20	7	0.1	160	1.0	1	2.10	14.4	6.0	0.690	22	7.6
37A	781277	18	558977	7588625	1-5	6	00	L			BR		80	24	7	25	5	0.1	140	1.0	1	1.90	9.6	14.1	0.550	10	7.4
37A	781278	18	559509	7585712	LT 1	9	00	L			BR		68	18	7	18	5	0.1	130	1.0	1	2.00	10.8	8.1	0.370	10	7.6

MAP	ID	UTM COORDINATES ZN	EAST	NORTH	LAKE AREA	SMP DTH	RP ST	REL F	CONT L	SAMP COLOR	SUSP	ZN	CU	PB	NI	CO	AG	MN	AS	MO	FE	LOI	U	U-W	F-W	PH
37A	781279	18	562244	7582712	POND	5	00	L		BR		56	16	7	15	5	0.1	125	2.0	1	1.70	6.6	7.8	0.540	20	7.5
37A	781280	18	565041	7582990	LT 1	12	00	L		BR		68	16	9	19	7	0.1	130	1.0	2	2.25	15.8	6.3	0.400	22	7.4
37A	781282	18	566606	7578356	1-5	14	00	L	BK	BR		124	24	11	38	7	0.1	170	1.0	25	2.15	15.6	9.5	0.250	10	6.8
37A	781283	18	568224	7582911	GT 5	14	00	L	BK	BR		50	10	9	12	5	0.1	150	2.0	5	1.30	3.6	3.6	0.230	20	6.9
37A	781284	18	562426	7587223	LT 1	12	00	L		BR		74	44	8	30	5	0.1	110	0.5	2	2.10	27.6	21.3	0.530	10	7.2
37A	781285	18	564804	7590154	LT 1	6	00	L		BR		82	32	8	26	7	0.1	190	0.5	1	2.70	27.6	7.7	0.360	10	7.3
37A	781286	18	567870	7594555	LT 1	11	00	L		BR		102	56	7	60	8	0.1	145	2.0	2	3.00	18.8	40.7	0.660	20	7.0
37A	781287	18	571471	7599367	LT 1	19	00	L		BR		180	114	9	112	26	0.1	270	4.0	5	3.60	21.6	27.9	0.400	10	6.8
37A	781288	18	574088	7600492	POND	15	00	L		GY GN		194	108	7	75	19	0.3	230	4.0	1	2.65	12.4	11.6	0.180	10	6.1
37A	781290	18	575589	7599684	1-5	40	70	L		BR		220	136	13	95	38	0.2	790	12.0	1	7.60	3.6	1.9	0.160	10	6.0
37A	781291	18	576037	7602675	LT 1	11	10	M		BR		148	58	7	64	19	0.1	380	7.0	1	4.70	5.6	9.2	0.220	10	5.9
37A	781292	18	576037	7602675	LT 1	11	20	M		BR		148	56	8	62	17	0.1	400	5.0	1	4.60	3.4	9.3	0.310	20	5.9
37A	781293	18	573329	7654960	POND	10	00	M	BR	GY		110	114	14	60	25	0.1	340	95.0	2	4.50	5.2	5.7	0.120	10	5.9
37A	781294	18	575217	7653978	LT 1	25	00	M	BK	BR		98	102	13	43	11	0.4	230	64.0	2	5.00	6.6	8.1	0.160	20	[illegible].3
37A	781295	18	581207	7651305	LT 1	12	00	L		BR		88	78	6	40	10	0.1	160	12.0	1	1.90	12.4	4.2	0.110	10	5.9
37A	781296	18	582984	7650927	LT 1	9	00	L		BR		112	56	8	47	15	0.1	310	12.0	1	3.90	6.6	3.4	0.120	10	5.8
37A	781297	18	582776	7647408	POND	30	00	L		BR		86	50	9	35	11	0.1	220	26.0	1	3.20	2.0	3.4	0.060	10	5.9
37A	781298	18	587643	7648763	POND	7	00	L	BR	GY		68	18	5	21	9	0.1	200	4.0	1	2.45	0.8	2.4	0.050	10	5.9
37A	781299	18	589302	7645195	POND	11	00	L		BR		76	58	6	30	9	0.1	175	17.0	1	2.10	4.8	3.4	0.040	10	5.9
37A	781300	18	587756	7644873	POND	15	00	L	BK	BR		78	62	5	36	15	0.1	160	39.0	2	2.75	5.4	3.8	0.040	10	5.9
37A	781302	18	585274	7643919	LT 1	36	00	L		BR		88	84	4	31	13	0.1	230	24.0	1	3.00	6.6	4.9	0.050	10	5.9
37A	781303	18	584361	7641756	LT 1	19	00	L		GY		92	54	11	35	12	0.1	245	17.0	1	2.90	6.8	4.1	0.040	10	5.9
37A	781304	18	587669	7641397	POND	10	70	L		GY		98	50	6	40	13	0.1	240	12.0	1	2.80	6.6	3.3	0.070	10	6.0
37A	781305	18	587277	7640573	LT 1	35	10	L		BR		110	78	8	46	13	0.1	260	22.0	1	3.10	7.6	3.7	0.080	10	6.0
37A	781306	18	587277	7640573	LT 1	35	20	L		BR		118	94	8	49	16	0.1	295	16.0	1	3.40	6.0	4.1	0.020	10	6.0
37A	781307	18	587651	7636618	LT 1	45	00	M	BR	GY		104	82	13	39	23	0.1	350	90.0	2	4.20	3.6	4.2	0.100	10	5.9
37A	781308	18	586682	7633458	POND	25	00	L	BR	GY		146	142	20	66	19	0.1	310	50.0	2	4.10	7.4	7.1	0.140	10	6.3
37A	781309	18	589678	7633049	1-5	25	00	M		BR		122	112	10	55	20	0.1	345	32.0	2	4.20	11.2	6.8	0.140	10	6.0
37A	781310	18	593619	7632267	LT 1	29	00	M		BR		74	36	6	25	12	0.1	290	22.0	1	3.00	0.8	3.6	0.110	10	6.4
37A	781311	18	596043	7630304	GT 5	56	00	M	BR	GY		116	92	14	39	19	0.1	320	150.0	2	5.30	5.4	5.5	0.070	10	5.8
37A	781312	18	597613	7629266	POND	9	00	M		GY		148	130	17	78	24	0.1	340	86.0	3	4.60	5.0	7.9	0.130	10	6.0
37A	781314	18	597156	7625678	POND	15	00	L	BR	GY		190	360	17	125	31	0.3	230	44.0	5	3.00	14.8	18.6	0.100	10	6.4
37A	781315	18	593100	7625200	LT 1	41	00	M	BR	GY		116	122	17	51	35	0.1	830	300.0	3	6.70	20.8	19.5	0.100	10	6.7
37A	781316	18	594043	7623018	LT 1	25	00	M	BK	BR		136	290	14	166	108	0.6	240	80.0	4	3.60	19.6	6.2	0.140	10	6.5
37A	781317	18	597725	7611268	1-5	61	00	M	BR	GY		148	134	12	58	39	0.1	1100	32.0	2	6.00	4.2	13.1	0.080	10	6.0
37A	781318	18	602340	7611766	LT 1	18	00	M	BR	GY		138	92	9	63	30	0.1	445	15.0	2	4.45	1.4	5.6	0.110	20	6.0
37A	781319	18	604091	7612545	LT 1	29	00	M		GY		168	106	12	72	24	0.2	400	16.0	2	4.60	1.2	7.0	0.100	10	6.0
37A	781320	18	608682	7612135	POND	25	00	M	BK	GN		186	240	3	95	18	0.3	260	31.0	3	4.40	14.0	9.3	0.050	20	5.9
37A	781322	18	611839	7610931	1-5	40	70	M		BR		156	136	14	76	27	0.1	470	25.0	1	5.20	3.0	8.7	0.040	10	6.0
37A	781323	18	612503	7612790	LT 1	60	10	M	BR	GY		156	140	14	64	71	0.1	580	60.0	2	6.70	2.0	7.4	0.090	20	5.9
37A	781325	18	612503	7612790	LT 1	60	20	M	BR	GY		160	144	15	82	59	0.1	490	24.0	3	5.60	3.0	7.5	0.020	20	5.9
37A	781326	18	615478	7611809	GT 5	40	00	M		BR		84	60	9	29	23	0.1	430	10.0	1	3.00	0.5	4.4	0.130	20	6.2
37A	781327	18	618970	7620104	POND	11	00	M		BR		128	98	10	73	20	0.1	310	11.0	1	3.50	6.4	6.2	0.020	20	6.0
37A	781328	18	615408	7619327	1-5	51	00	M	BR	GY		110	78	10	46	31	0.1	580	26.0	2	3.70	3.2	6.7	0.070	20	6.1
37A	781329	18	613361	7621676	LT 1	30	00	M	BK	BR		144	126	15	78	23	0.3	280	38.0	4	3.90	8.6	8.5	0.200	10	6.3
37A	781330	18	608848	7623586	LT 1	56	00	M	BK	BR		154	230	22	82	39	0.1	610	185.0	5	7.30	11.0	10.4	0.060	10	6.6
37A	781331	18	606626	7622752	LT 1	35	00	M	BR	GY		118	122	13	53	31	0.1	930	145.0	3	5.00	6.6	11.6	0.110	10	6.5
37A	781332	18	600862	7622285	GT 5	40	00	M		BR		76	48	9	30	13	0.1	260	19.0	1	2.70	2.4	3.2	0.030	10	6.1
37A	781333	18	599569	7622965	LT 1	25	00	M	BR	GY		68	44	7	30	13	0.1	410	80.0	1	2.95	0.6	3.7	0.210	10	6.3
37A	781334	18	580424	7619742	LT 1	18	00	M		BR		100	114	1	53	13	0.1	260	19.0	3	2.90	19.2	7.5	0.080	20	6.7

MAP	ID	UTM COORDINATES ZN	EAST	NORTH	LAKE AREA	SMP DTH	RP ST	REL F	GEL	CONT	SAMP COLOR	SUSP	ZN	CU	PB	NI	CO	AG	MN	AS	MO	FE	LOI	U	U-W	F-W	PH
37A	781335	18	580280	7623963	LT 1	45	00	M			BR GY		104	108	13	57	23	0.1	590	72.0	3	4.55	2.8	6.7	0.060	10	6.4
37A	781336	18	580790	7625486	LT 1	35	00	M			BR		120	96	14	60	19	0.1	280	50.0	4	3.80	7.6	5.9	0.090	10	5.8
37A	781337	18	577910	7630069	LT 1	11	00	L			BR GY		158	146	9	84	23	0.1	470	53.0	3	5.70	2.8	8.4	0.230	10	6.2
37A	781338	18	573787	7632657	LT 1	21	00	M			BR GY		158	172	23	73	31	0.1	585	175.0	4	6.80	5.0	8.0	0.100	10	6.2
37A	781339	18	573518	7635804	LT 1	17	00	M			BK BR		154	164	17	105	44	0.1	300	380.0	4	12.40	8.0	8.2	0.060	10	6.2
37A	781340	18	569175	7641285	LT 1	35	00	L			BR		184	160	8	67	21	0.3	270	58.0	2	3.10	8.4	9.1	0.090	10	5.9
37A	781342	18	569078	7643434	LT 1	40	70	M			BR GY		68	66	11	25	23	0.1	660	70.0	1	3.30	0.6	4.8	0.080	20	6.1
37A	781343	18	567963	7642931	LT 1	35	10	M			BR		240	260	14	79	62	0.2	230	560.0	5	15.80	14.0	11.2	0.110	10	6.1
37A	781344	18	567963	7642931	LT 1	35	20	M			BR		182	194	17	73	38	0.1	220	330.0	4	10.20	12.0	9.8	0.080	20	6.0
37A	781345	18	566025	7644148	LT 1	38	00	M			BR		118	94	20	40	17	0.1	320	49.0	3	3.30	9.4	4.7	0.170	20	6.1
37A	781346	18	562118	7644110	LT 1	14	00	M			BR GY		78	42	9	24	11	0.1	260	130.0	2	4.50	24.0	3.7	0.050	10	6.1
37A	781347	18	558567	7644236	LT 1	10	00	L			BR		174	92	9	39	7	0.1	190	22.0	2	2.15	13.6	5.0	0.070	10	5.9
37A	781348	18	554276	7643666	LT 1	35	00	L			BR		86	70	8	28	32	0.1	400	175.0	3	5.60	7.8	4.3	0.050	10	5.9
37A	781349	18	551424	7644926	LT 1	36	00	M			BR		90	68	7	45	23	0.1	240	33.0	2	2.60	3.8	4.3	0.050	10	5.9
37A	781350	18	548129	7644173	LT 1	25	00	L			BR		94	52	8	33	8	0.1	220	20.0	2	2.60	8.2	4.4	0.020	20	6.0
37A	781351	18	547586	7647290	1-5	49	00	M			BR		126	94	10	41	18	0.4	290	22.0	1	3.50	9.6	5.6	0.090	20	6.1
37A	781352	18	539576	7650094	LT 1	23	00	M			BR		104	114	9	44	12	0.2	200	23.0	1	2.70	7.8	7.1	0.130	10	6.0
37A	781353	18	539820	7654173	1-5	68	00	M			BR GY		142	72	10	46	21	0.1	575	17.0	2	5.80	1.6	7.7	0.090	20	5.8
37A	781355	18	543826	7651204	LT 1	15	00	L			BR GY		80	58	5	28	17	0.1	265	60.0	1	3.90	0.5	5.0	0.090	10	6.0
37A	781356	18	546965	7651284	LT 1	75	00	M			BR		106	120	15	39	22	0.6	330	29.0	1	4.30	4.4	7.2	0.090	10	6.1
37A	781357	18	551835	7648336	LT 1	15	00	L			BR		68	30	3	20	10	0.1	270	90.0	1	4.00	0.8	3.3	0.020	20	6.1
37A	781358	18	553635	7647489	LT 1	12	00	M			BR		68	36	2	20	10	0.1	350	60.0	1	3.90	1.4	3.9	0.050	10	5.9
37A	781359	18	557759	7647659	POND	6	00	L			BR		84	38	2	30	18	0.1	280	14.0	1	3.05	2.4	3.7	0.170	20	5.9
37A	781360	18	565196	7648385	LT 1	41	00	M			BR		118	98	11	46	18	0.8	245	30.0	1	3.30	8.8	7.0	0.050	20	5.9
37A	781362	18	569332	7645917	POND	34	00	M			BR		76	72	7	33	13	0.1	270	23.0	1	3.00	5.8	4.9	0.040	10	6.0
37A	781363	18	572736	7643244	LT 1	64	70	M			BR		94	92	9	54	16	0.1	270	21.0	1	2.90	5.2	5.6	0.020	10	6.3
37A	781364	18	572917	7642722	LT 1	35	10	H			BR		84	60	5	30	15	0.1	280	41.0	1	3.50	2.2	4.3	0.050	10	6.2
37A	781366	18	572917	7642722	LT 1	35	20	H			BR		100	70	5	35	14	0.5	310	22.0	1	3.20	4.4	4.3	0.030	10	6.2
37A	781367	18	573010	7639595	LT 1	22	00	L			BR		124	84	5	56	19	0.1	290	28.0	1	3.10	5.4	4.5	0.040	10	5.9
37A	781368	18	575480	7636913	LT 1	25	00	M			BR		134	128	0	52	12	0.5	250	34.0	2	2.90	13.8	4.9	0.050	10	5.9
37A	781369	18	577466	7633942	LT 1	35	00	M			BR GY		130	140	3	55	29	0.2	1000	195.0	2	6.70	5.2	6.5	0.080	10	6.3
37A	781370	18	579944	7631445	LT 1	30	00	M			GY		160	182	15	86	21	0.2	370	25.0	1	4.00	10.0	8.6	0.050	10	6.1
37A	781371	18	583869	7626297	LT 1	12	00	M			BR GY		112	98	8	56	23	0.1	360	42.0	1	4.20	2.6	6.8	0.070	10	6.5
37A	781372	18	583271	7622455	LT 1	30	00	L			BR GY		100	106	5	48	19	0.2	380	72.0	1	3.95	4.8	5.9	0.020	10	6.6
37A	781373	18	601117	7626268	LT 1	22	00	M			BR GY		72	52	3	29	22	0.1	330	22.0	1	2.90	2.0	3.1	0.050	10	6.2
37A	781374	18	602815	7629101	LT 1	26	00	M			BR GY		106	130	12	49	25	0.3	325	195.0	3	5.10	3.2	6.5	0.040	10	5.9
37A	781375	18	607076	7629868	LT 1	23	00	L			BR		68	48	4	26	19	0.1	300	32.0	1	2.80	2.0	3.1	0.005	10	5.7
37A	781376	18	606593	7627442	1-5	36	00	M			BR		112	82	11	49	39	0.1	920	145.0	2	4.80	1.8	4.8	0.005	10	6.0
37A	781377	18	609444	7625871	POND	45	00	M			BR		100	106	7	50	15	0.1	330	19.0	1	3.10	13.0	6.8	0.040	10	6.5
37A	781378	18	612400	7625500	LT 1	15	00	M			BR GY		98	74	6	44	21	0.1	490	70.0	1	4.00	2.6	5.1	0.030	10	6.4
37A	781379	18	616566	7622277	LT 1	29	00	M			BR GY		106	86	7	47	18	0.1	340	30.0	2	3.70	4.6	6.3	0.040	10	6.5
37A	781380	18	619021	7621464	LT 1	24	00	M			BR		120	128	5	61	17	0.2	300	25.0	1	3.10	13.8	8.0	0.040	10	6.3
37A	781382	18	577058	7598602	1-5	20	70	H			GY		194	92	2	68	38	0.1	650	13.0	2	6.20	5.2	10.3	0.110	10	5.6
37A	781383	18	577348	7597057	POND	25	10	M			GY		260	130	7	139	53	0.1	360	9.0	2	4.40	16.0	26.9	0.150	10	5.7
37A	781384	18	577348	7597057	POND	25	20	M			GY		192	98	5	76	27	0.1	595	6.0	3	6.40	5.8	16.9	0.180	10	5.7
37A	781385	18	574715	7595246	POND	10	00	M			GY		146	64	5	45	13	0.1	350	5.0	2	3.55	12.0	14.4	0.170	10	6.5
37A	781386	18	574014	7594760	POND	15	00	M			GY		245	126	6	72	18	0.2	330	6.0	3	3.70	19.2	41.0	0.240	10	6.4
37A	781387	18	569029	7590158	POND	15	00	M			GY		86	40	5	27	9	0.1	180	2.0	5	2.35	18.6	25.9	0.460	10	7.3
37A	781388	18	569035	7587622	GT 5	10	00	M			GY		138	14	8	36	10	0.1	180	2.0	1	1.90	2.0	5.6	0.140	10	6.8
37A	781389	18	570036	7582069	GT 5	25	00	M			BK GY		154	26	9	41	12	0.2	210	3.0	9	2.30	6.2	9.8	0.200	10	6.8

MAP	ID	UTM COORDINATES ZN	EAST	NORTH	LAKE AREA	SMP DTH	RP ST	REL F	REL L	CONG E	CONT T	SAMP COLOR	SUSP	ZN	CU	PB	NI	CO	AG	MN	AS	MO	FE	LOI	U	U-W	F-W	PH
37A	781390	18	571634	7583961	LT 1	20	00	M				BR GY		64	16	8	16	8	0.1	140	1.0	3	2.00	16.6	7.2	0.120	20	7.5
37A	781391	18	572084	7586247	GT 5	30	00	M				BK GY		158	30	11	29	15	0.1	245	5.0	8	2.60	4.6	10.0	0.170	10	6.7
37A	781392	18	572017	7589215	POND	10	00	M				GY		102	74	11	30	11	0.1	160	2.0	5	2.10	31.4	15.6	0.290	10	6.9
37A	781394	18	574974	7589925	LT 1	20	00	M				GY		104	52	9	26	9	0.1	195	2.0	3	2.50	23.2	19.3	0.300	10	6.9
37A	781395	18	580918	7586947	LT 1	10	00	M				BR GY		114	26	8	32	13	0.1	330	5.0	5	2.60	0.6	8.9	0.170	10	6.2
37A	781396	18	580265	7583372	1-5	40	00	H				GY		245	78	13	44	14	0.2	240	5.0	2	2.60	14.6	27.1	0.200	10	6.9
37A	781397	18	577230	7578742	1-5	10	00	M				BK GY		52	12	7	12	6	0.1	150	2.0	6	1.90	3.2	4.9	0.160	10	7.3
37A	781398	18	578257	7577141	1-5	20	00	M				BR GY		62	22	5	19	7	0.1	120	1.0	2	1.50	24.6	8.0	0.190	10	7.3
37A	781399	18	586081	7576461	LT 1	15	00	H				BR GY		96	54	11	23	10	0.1	160	1.0	1	2.10	14.4	23.6	0.300	10	6.9
37A	781400	18	590173	7579167	LT 1	30	00	H				GY		154	66	8	34	12	0.2	190	2.0	1	2.30	13.2	11.1	0.160	10	6.3
37A	781402	18	588011	7578694	POND	20	00	M				GY		140	76	14	29	10	0.1	130	2.0	2	2.20	22.2	16.4	0.210	10	6.6
37A	781403	18	585377	7579292	LT 1	30	70	H				GY		88	46	12	21	7	0.2	130	1.0	1	2.10	13.8	15.1	0.170	10	6.7
37A	781404	18	583954	7580494	1-5	25	10	H				BK BR		130	64	9	35	12	0.1	110	3.0	5	7.30	18.0	28.7	0.220	10	6.6
37A	781405	18	583954	7580494	1-5	25	20	H				BK BR		118	56	9	30	9	0.1	110	1.0	1	2.30	18.4	24.3	0.240	10	6.6
37A	781406	18	583112	7582328	LT 1	30	00	H				BK GY		118	82	9	33	10	0.1	160	2.0	10	2.20	30.2	16.2	0.190	10	6.9
37A	781407	18	587049	7583313	LT 1	30	00	H				BR GY		156	48	9	32	16	0.1	210	5.0	1	3.30	6.0	8.3	0.120	10	6.4
37A	781409	18	586873	7586180	POND	25	00	H				GY		162	56	7	45	13	0.2	210	1.0	3	2.80	9.6	11.4	0.090	10	5.9
37A	781410	18	583411	7586127	POND	10	00	M				BR TN		114	84	10	37	11	0.2	150	4.0	2	3.20	8.2	75.3	1.100	10	5.7
37A	781411	18	585064	7590129	LT 1	20	00	M				GY		178	74	5	52	13	0.1	200	3.0	2	3.20	13.6	36.0	0.280	10	5.8
37A	781412	18	578322	7591180	1-5	20	00	M				BR GY		250	90	9	122	68	0.1	410	7.0	1	4.75	5.6	12.4	0.140	10	5.4
37A	781413	18	580115	7597691	POND	30	00	M				BR GY		174	156	12	96	50	0.2	260	14.0	2	4.80	16.4	77.1	0.200	10	5.7
37A	783003	18	594387	7611971	1-5	30	00	M				BR GN		138	114	5	72	21	0.1	295	14.0	1	3.00	10.0	6.1	0.030	10	6.0
37A	783004	18	589326	7611227	POND	15	00	M				BR GN		108	114	2	35	9	0.1	180	8.0	1	1.80	10.0	4.3	0.050	10	6.8
37A	783005	18	587314	7611561	POND	15	70	M				BR GN		106	80	3	32	14	0.1	200	15.0	1	2.35	3.2	3.9	0.020	10	5.8
37A	783006	18	586758	7610934	POND	10	10	M				BR GN		250	150	3	110	36	0.1	195	9.0	1	2.10	11.2	4.9	0.050	10	5.5
37A	783007	18	586758	7610934	POND	10	20	M				BR GN		260	148	5	142	49	0.1	200	12.0	1	2.45	11.0	4.8	0.040	10	5.6
37A	783008	18	584465	7612242	POND	20	00	M				BR GN		132	142	3	80	19	0.1	230	25.0	2	3.00	5.2	6.0	0.090	10	5.7
37A	783009	18	579885	7611064	GT 5	40	00	M				GY GN		124	54	8	42	23	0.1	810	60.0	1	5.20	1.8	3.8	0.050	10	6.1
37A	783010	18	574524	7611243	GT 5	55	00	M				GN TN		180	90	4	58	34	0.1	900	36.0	2	7.50	3.4	4.7	0.100	10	6.1
37A	783011	18	490109	7650771	LT 1	5	00	M				GY		260	92	17	75	21	0.1	600	30.0	3	6.00	11.6	6.8	0.110	20	6.9
37A	783012	18	623242	7578348	LT 1	120	00	H				BR GY		112	78	10	30	15	0.1	880	3.0	1	3.80	3.6	25.4	0.180	10	6.9
37A	783013	18	622756	7582564	POND	15	00	M				GY		230	164	21	62	17	0.1	270	1.0	2	4.20	13.4	38.1	0.480	10	6.7
37A	783014	18	623069	7586681	LT 1	15	00	H				GY TN		164	104	13	48	27	0.1	700	2.0	1	5.30	6.2	15.5	0.190	10	6.2
37A	783015	18	622819	7590069	LT 1	60	00	H				GY GN		190	148	19	53	26	0.1	680	4.0	2	6.70	8.4	14.2	0.080	10	6.1
37A	783016	18	622100	7595100	POND	15	00	H				GY GN		200	130	25	52	30	0.1	750	7.0	4	7.50	6.8	13.7	0.100	10	6.9
37A	783017	18	505442	7648776	1-5	15	00	L				GY GN		112	30	9	33	12	0.1	430	12.0	8	4.40	1.0	5.8	0.040	22	6.7
37A	783018	18	517833	7644469	POND	5	00	L				BK GY		108	30	7	30	15	0.1	400	11.0	1	4.10	3.2	4.0	0.200	10	7.2
37A	783019	18	543832	7628656	POND	15	00	M				GY GN		92	38	5	42	16	0.1	320	16.0	9	3.60	0.6	5.5	0.070	10	6.6
37A	783020	18	547183	7629230	LT 1	10	00	M				GY		176	150	1	88	19	0.1	310	12.0	5	3.65	12.6	7.3	0.080	10	6.5
37A	783022	18	551380	7631300	GT 5	20	00	M				GN TN		112	46	6	39	20	0.1	450	38.0	1	4.60	1.0	4.4	0.090	10	6.2
37A	783023	18	556724	7630270	POND	10	00	M				GY TN		110	104	9	48	19	0.1	370	110.0	1	4.90	3.8	5.3	0.080	10	6.0
37A	783025	18	579873	7603787	LT 1	40	70	H				GY		124	108	3	63	17	0.1	330	16.0	1	3.40	1.2	13.6	0.240	10	5.9
37A	783026	18	579044	7603079	POND	20	10	H				GY TN		150	255	11	84	29	0.1	360	32.0	1	4.80	4.2	20.0	0.130	10	6.0
37A	783027	18	579044	7603079	POND	20	20	H				GY TN		142	230	5	82	22	0.1	390	32.0	1	4.30	1.8	19.3	0.090	20	6.0
37A	783028	18	581137	7601194	POND	20	00	M				GY GN		360	290	5	144	54	0.1	380	20.0	1	4.20	8.6	38.0	0.230	10	5.7
37A	783029	18	582888	7602101	1-5	65	00	H				GY GN		230	76	3	83	39	0.1	820	14.0	1	7.60	1.2	6.5	0.150	10	6.0
37A	783030	18	585679	7601108	LT 1	50	00	H				GY GN		148	200	11	68	27	0.1	440	30.0	1	5.30	3.8	15.8	0.160	10	5.9
37A	783031	18	592200	7600000	LT 1	20	00	H				GY		225	120	5	91	35	0.1	650	7.0	2	6.40	2.2	12.3	0.170	10	5.7
37A	783032	18	595367	7601098	LT 1	55	00	M				GY GN		245	144	9	95	56	0.1	840	16.0	2	7.75	2.2	17.7	0.160	10	5.8
37A	783033	18	599028	7601474	LT 1	40	00	H				TN		174	126	7	67	39	0.1	710	11.0	1	5.90	2.6	14.0	0.090	10	5.8

MAP	ID	UTM COORDINATES ZN	EAST	NORTH	LAKE AREA	SMP DTH	RP ST	REL F	REL L	CONT	SAMP COLOR	SUSP	ZN	CU	PB	NI	CO	AG	MN	AS	MO	FE	LOI	U	U-W	F-W	PH
37A	783034	18	602305	7601140	1-5	30	00	H			BR GN		176	144	6	55	15	0.2	240	17.0	5	7.10	10.8	9.5	0.120	22	4.7
37A	783035	18	604836	7604153	LT 1	20	00	M			BR GN		160	270	6	76	20	0.3	200	29.0	1	5.00	14.0	10.9	0.050	10	5.4
37A	783036	18	609849	7604255	LT 1	20	00	M			BR GY		94	76	3	69	23	0.1	310	30.0	1	3.20	2.6	5.2	0.040	10	6.4
37A	783037	18	612880	7604373	POND	65	00	H			BR GN		104	96	3	45	40	0.1	700	31.0	1	4.30	4.0	6.0	0.030	30	6.0
37A	783038	18	614623	7604975	LT 1	35	00	H			BR GN		82	48	2	29	17	0.1	360	5.0	1	2.90	3.8	4.2	0.030	10	6.0
37A	783039	18	596626	7651355	LT 1	35	00	M			GN TN		88	70	5	32	13	0.1	260	110.0	1	4.50	7.0	4.5	0.040	10	5.8
37A	783040	18	530960	7651077	1-5	20	00	M			GY GN		94	30	3	27	16	0.1	500	42.0	1	4.20	5.6	3.1	0.040	10	6.2
37A	783042	18	530770	7648587	LT 1	10	00	L			GY GN		130	38	8	36	15	0.1	310	12.0	1	3.60	8.4	3.4	0.010	10	6.4
37A	783043	18	532094	7642823	LT 1	5	00	L			GY		158	74	19	49	22	0.1	460	27.0	1	6.00	8.8	4.8	0.060	10	6.4
37A	783044	18	532173	7640852	LT 1	15	00	L			BR GN		142	56	5	55	16	0.1	270	5.0	1	2.60	13.6	3.6	0.040	10	6.4
37A	783045	18	541229	7642695	LT 1	15	70	L			GY		116	68	7	43	12	0.1	290	24.0	1	3.35	3.0	5.0	0.040	10	6.0
37A	783046	18	542331	7643344	LT 1	25	10	L			BR GN		154	96	9	77	45	0.1	430	72.0	1	4.20	8.6	5.4	0.030	10	6.0
37A	783047	18	542331	7643344	LT 1	25	20	L			BR GN		112	72	5	41	20	0.1	280	24.0	1	3.15	1.0	5.2	0.020	10	6.1
37A	783048	18	548956	7638068	1-5	15	00	M			BR GN		100	66	5	35	20	0.1	350	58.0	1	3.50	4.6	4.9	0.030	10	5.9
37A	783050	18	551460	7638367	1-5	15	00	M			BR		76	44	3	26	25	0.1	550	36.0	1	2.90	1.2	3.2	0.020	10	6.0
37A	783051	18	556130	7638414	LT 1	20	00	M			BR GN		110	72	6	35	14	0.1	360	50.0	1	4.35	5.4	4.4	0.060	10	5.9
37A	783052	18	558967	7636684	1-5	20	00	M			BR GN		98	56	5	38	12	0.1	360	16.0	1	3.70	4.0	3.1	0.060	10	5.9
37A	783053	18	560880	7635505	LT 1	25	00	H			BR GN		106	62	7	41	15	0.1	350	16.0	1	3.30	7.8	4.1	0.020	10	6.0
37A	783054	18	566085	7632219	LT 1	45	00	M			BR GN		154	160	11	75	14	0.4	320	36.0	1	3.20	12.4	9.0	0.030	10	6.3
37A	783055	18	570003	7629320	1-5	25	00	M			GY GN		116	108	7	53	11	0.1	320	27.0	1	3.10	20.8	6.1	0.030	10	6.6
37A	783056	18	574118	7626491	POND	15	00	M			GY GN		94	76	5	49	15	0.1	370	26.0	1	3.60	2.2	5.4	0.040	10	6.3
37A	783057	18	573595	7622286	POND	20	00	M			BR GN		108	96	6	51	17	0.1	370	90.0	1	5.10	6.2	6.4	0.040	10	6.2
37A	783058	18	572178	7618442	LT 1	15	00	M			GY GN		140	164	6	78	18	0.1	240	66.0	2	2.80	11.0	8.5	0.100	10	6.1
37A	783059	18	593986	7593161	LT 1	30	00	M			GY		250	98	9	88	31	0.1	770	10.0	4	7.85	4.8	32.7	0.240	20	5.5
37A	783060	18	598089	7590529	LT 1	40	00	M			GY GN		156	90	19	43	12	0.3	310	2.0	2	3.10	14.8	18.9	0.120	10	5.9
37A	783062	18	597134	7586256	POND	20	70	M			GN TN		126	102	15	32	11	0.1	265	2.0	3	3.80	9.8	21.3	0.070	10	6.0
37A	783063	18	597218	7585354	LT 1	40	10	M			GY		124	60	9	39	15	0.1	420	2.0	3	3.90	1.0	11.8	0.150	10	5.9
37A	783064	18	597218	7585354	LT 1	40	20	M			GY		110	80	7	35	13	0.1	250	1.0	3	3.00	6.4	15.3	0.100	10	5.9
37A	783065	18	599020	7582421	POND	20	00	M			GY GN		140	88	13	36	8	0.1	195	1.0	5	2.90	13.0	36.0	0.210	10	6.1
37A	783066	18	601475	7575482	GT 5	30	00	M			GY		112	56	9	31	10	0.1	220	0.5	5	2.85	7.2	20.4	0.130	10	6.4
37A	783067	18	599712	7573514	LT 1	40	00	M			BR GN		58	48	6	22	6	0.1	170	0.5	3	1.80	44.4	29.7	0.110	10	6.9
37A	783068	18	595387	7565140	1-5	15	00	M			GN TN		78	28	7	20	7	0.1	210	1.0	2	2.10	38.8	11.0	0.200	10	7.3
37A	783070	18	598544	7564928	LT 1	20	00	M			GY GN		80	38	10	15	7	0.1	230	0.5	3	2.10	23.0	23.0	0.370	20	7.3
37A	783071	18	601802	7562255	LT 1	25	00	M			GY GN		80	22	13	15	8	0.1	210	0.5	2	2.40	7.2	5.3	0.100	10	6.8
37A	783072	18	601975	7557532	LT 1	30	00	M			GY GN		58	12	10	10	6	0.1	130	0.5	1	1.60	4.0	7.0	0.120	10	7.0
37A	783073	18	599507	7553255	LT 1	80	00	M			BR GY		114	40	23	18	7	0.1	150	0.5	3	2.00	28.4	9.5	0.130	10	6.9
37A	783074	18	598692	7551638	LT 1	30	00	M			BR GN		66	26	13	11	4	0.1	80	0.5	3	1.30	39.4	4.7	0.120	10	7.0
37A	783075	18	601902	7549468	POND	20	00	M			GY GN		100	40	25	19	11	0.1	145	0.5	4	2.40	21.4	37.9	0.160	10	6.7
37A	783076	18	603181	7547396	GT 5	25	00	M			GY		90	14	20	13	7	0.1	140	0.5	1	2.40	2.0	18.0	0.230	10	6.4
37A	783077	18	606136	7546352	LT 1	30	00	M			GY		102	20	28	13	7	0.1	150	1.0	1	2.30	8.0	23.9	0.140	10	6.7
37A	783078	18	608479	7546054	LT 1	15	00	M			BR GN		52	14	7	9	3	0.1	65	0.5	1	0.90	14.6	23.7	0.290	10	7.0
37A	783079	18	612479	7546886	1-5	45	00	M			GN TN		132	28	36	15	11	0.1	390	0.5	2	3.95	11.8	74.4	0.230	10	6.5
37A	783080	18	615360	7547412	1-5	30	00	M			GY TN		130	48	35	24	16	0.1	1000	1.0	2	6.10	9.6	38.9	0.230	10	6.3
37A	783082	18	619607	7548007	LT 1	35	00	M			GY		198	60	39	23	11	0.1	260	0.5	6	3.80	10.2	85.8	0.200	10	6.2
37A	783083	18	620372	7551079	LT 1	25	00	M			GY GN		136	40	20	19	8	0.1	160	0.5	3	2.20	17.0	43.9	0.250	10	6.2
37A	783084	18	620451	7552827	POND	25	70	M			GY GN		96	48	14	21	6	0.1	80	0.5	2	1.60	37.8	50.2	0.380	10	6.1
37A	783085	18	620480	7554759	LT 1	65	10	M			GY GN		184	62	34	29	16	0.1	460	1.0	2	4.90	6.8	28.9	0.180	10	6.3
37A	783086	18	620480	7554759	LT 1	65	20	M			GY GN		170	58	30	27	14	0.1	430	1.0	3	4.65	5.6	29.0	0.170	10	6.4
37A	783087	18	618836	7557646	LT 1	25	00	M			BR GN		180	78	35	39	20	0.1	880	0.5	3	6.80	8.0	20.0	0.110	10	6.3
37A	783088	18	618623	7563119	POND	35	00	M			GY		250	86	55	46	22	0.1	360	1.0	4	6.80	6.4	13.9	0.050	10	6.3

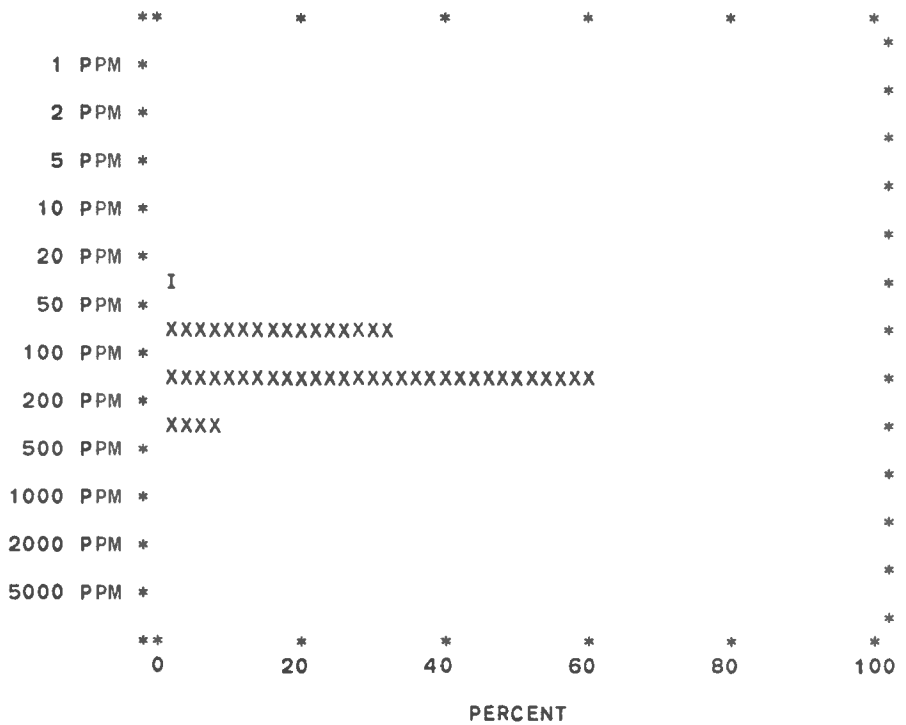
MAP	ID	UTM COORDINATES ZN	EAST	NORTH	LAKE AREA	SMP DTH	RP ST	REL F	GEL	CONT	SAMP COLOR	SUSP	ZN	CU	PB	NI	CO	AG	MN	AS	MO	FE	LOI	U	U-W	F-W	PH
37A	783089	18	619928	7564917	POND	50	00	M			GY		270	94	52	54	23	0.1	410	1.0	4	7.70	8.2	11.2	0.170	10	6.3
37A	783090	18	619841	7570237	LT 1	30	00	M			GY		134	64	28	29	10	0.1	250	0.5	4	3.05	26.0	26.7	0.120	10	6.7
37A	783091	18	618455	7571464	POND	20	00	M		GY	GN		76	42	15	19	9	0.1	180	0.5	8	2.40	4.8	75.2	0.400	10	7.0
37A	783092	18	619867	7576617	POND	25	00	M		GY	GN		174	110	19	38	17	0.2	320	1.0	7	4.50	18.0	73.5	0.360	10	6.6
37A	783093	18	621119	7583119	POND	25	00	M		BR	GN		112	78	9	35	12	0.1	180	0.5	3	2.70	10.4	25.0	0.270	10	7.1
37A	783094	18	534635	7650258	LT 1	25	00	M			GY		98	46	5	33	14	0.1	360	12.0	1	3.60	1.4	3.8	0.010	10	6.5
37A	783095	18	535471	7649733	LT 1	30	00	M		GY	GN		172	80	12	54	26	0.2	440	19.0	2	4.90	5.2	4.8	0.040	10	6.0
37A	783096	18	539625	7648454	LT 1	45	00	M		BR	GN		108	110	4	35	15	0.1	210	72.0	1	3.25	7.0	6.4	0.020	10	6.0
37A	783097	18	544935	7644354	LT 1	25	00	M		BR	GN		88	76	7	46	66	0.1	830	130.0	1	4.80	1.4	5.2	0.030	10	6.0
37A	783098	18	549006	7640381	POND	25	00	M		BR	GN		132	124	5	43	19	0.1	260	160.0	2	5.80	6.6	6.2	0.030	10	6.1
37A	783100	18	551183	7640046	LT 1	30	00	M		GY	GN		110	78	5	50	15	0.1	300	15.0	1	2.90	5.6	4.6	0.090	10	6.3
37A	783102	18	553604	7640206	LT 1	50	70	M		BR	GN		104	106	9	39	27	0.1	420	140.0	1	5.60	8.0	5.5	0.090	10	6.3
37A	783103	18	555120	7639588	LT 1	20	10	M		BR	GN		70	34	5	23	10	0.1	295	130.0	1	3.95	3.0	3.0	0.050	10	5.8
37A	783104	18	555120	7639588	LT 1	20	20	M		BR	GN		68	34	4	23	12	0.1	300	120.0	1	3.70	1.8	2.5	0.005	10	6.0
37A	783105	18	557816	7640077	LT 1	25	00	M		BR	GN		84	62	5	27	10	0.1	250	29.0	1	3.20	3.4	3.8	0.040	10	5.9
37A	783106	18	562410	7640264	POND	20	00	M		GY	GN		120	126	11	51	13	0.4	255	21.0	1	2.90	12.2	6.2	0.050	10	5.9
37A	783107	18	564904	7640931	1-5	20	00	M		GN	TN		72	44	5	27	20	0.1	430	24.0	1	3.00	1.0	3.5	0.060	10	5.9
37A	783108	18	564734	7636274	GT 5	30	00	M		GY	GN		106	82	5	46	17	0.1	265	65.0	1	3.50	0.6	4.6	0.020	10	6.0
37A	783109	18	569052	7635833	POND	20	00	M		BR	GN		140	90	9	49	14	0.1	230	43.0	1	2.85	9.8	5.9	0.080	10	6.0
37A	783110	18	570398	7633189	LT 1	20	00	H		GN	TN		148	210	18	71	52	0.1	1400	175.0	2	6.30	9.2	9.3	0.020	10	6.3
37A	783111	18	572180	7630123	LT 1	25	00	M		GN	TN		108	124	7	55	24	0.1	440	120.0	1	5.30	4.6	7.4	0.070	10	6.2
37A	783112	18	576083	7625636	LT 1	15	00	M		GY	GN		138	178	9	84	13	0.1	280	23.0	1	3.10	21.6	10.5	0.110	10	6.3
37A	783113	18	576604	7623047	POND	20	00	M		GY	GN		108	114	7	54	29	0.1	420	160.0	1	5.70	4.8	6.1	0.020	10	6.2
37A	783114	18	575146	7620048	LT 1	10	00	M		GY	GN		158	255	7	98	19	0.1	280	67.0	3	4.00	12.4	12.6	0.040	10	6.2
37A	783115	18	591690	7598803	POND	30	00	M		GY	GN		176	154	8	75	22	0.1	420	4.0	1	3.95	7.6	22.2	0.100	10	5.9
37A	783117	18	593745	7598170	1-5	30	00	M			GY		265	160	13	82	39	0.1	840	10.0	1	7.30	2.4	23.4	0.110	10	5.8
37A	783118	18	597615	7593353	LT 1	35	00	M		BR	GN		230	152	9	81	26	0.5	170	10.0	2	3.80	13.4	40.8	0.330	20	5.1
37A	783119	18	602068	7589556	LT 1	20	00	M		GY	GN		140	114	50	41	12	0.3	210	3.0	3	3.40	9.2	50.6	0.430	10	5.8
37A	783120	18	602570	7587100	LT 1	20	00	M		GY	GN		128	82	9	39	19	0.1	350	5.0	1	4.40	4.6	22.2	0.200	10	6.0
37A	783122	18	601709	7583984	1-5	50	70	M		GY	TN		114	68	10	38	30	0.1	750	3.0	2	3.90	4.2	21.6	0.120	10	6.1
37A	783123	18	601952	7581695	POND	50	10	M		BR	GN		158	122	9	36	12	0.1	140	2.0	8	3.90	20.0	44.2	0.110	10	6.3
37A	783124	18	601952	7581695	POND	50	20	M		BR	GN		146	118	10	41	10	0.1	130	1.0	6	2.50	18.8	47.3	0.090	10	6.3
37A	783125	18	603101	7580259	POND	30	00	M		GY	GN		166	132	30	56	17	0.1	360	2.0	5	5.30	11.8	54.8	0.160	10	6.6
37A	783126	18	604612	7578815	1-5	30	00	H			TN		70	46	11	13	11	0.1	270	1.0	2	2.60	1.2	31.8	0.070	20	6.7
37A	783127	18	601669	7572303	POND	20	00	M		GY	GN		160	56	13	37	13	0.1	280	1.0	3	3.80	6.2	25.6	0.120	10	6.5
37A	783128	18	602011	7567192	POND	30	00	M		BR	GN		74	50	11	15	7	0.1	170	0.5	1	1.65	26.2	38.5	0.260	10	7.3
37A	783129	18	601862	7565394	LT 1	30	00	M			GY		110	28	22	13	11	0.1	365	2.0	3	3.45	6.6	45.2	0.180	10	6.9
37A	783130	18	604805	7564356	LT 1	20	00	M		GY	GN		70	42	12	14	7	0.1	170	0.5	8	1.90	9.6	24.8	0.150	20	6.7
37A	783131	18	605839	7560379	POND	15	00	M		GY	GN		98	42	15	14	7	0.1	145	0.5	2	2.00	19.0	11.9	0.280	10	6.8
37A	783132	18	603602	7558929	LT 1	15	00	M		GN	TN		86	42	12	14	6	0.1	110	0.5	1	1.60	36.8	13.1	0.150	10	7.0
37A	783134	18	604664	7549187	1-5	30	00	M		GY	GN		88	16	22	11	6	0.1	150	0.5	1	2.60	2.4	19.1	0.160	10	6.6
37A	783135	18	608232	7551248	LT 1	45	00	M		GY	GN		108	44	44	15	6	0.1	100	0.5	2	1.70	17.0	37.1	0.190	10	6.6
37A	783136	18	613045	7550658	POND	35	00	H		GY	GN		144	30	42	60	7	0.1	110	0.5	1	2.50	16.6	31.7	0.130	20	6.5
37A	783137	18	615888	7551356	LT 1	40	00	M		GY	GN		118	48	21	21	8	0.1	130	0.5	1	2.40	6.6	26.3	0.100	10	6.5
37A	783138	18	616639	7555242	POND	30	00	M		BR	GN		200	82	50	31	17	0.1	185	0.5	6	5.30	16.8	49.8	0.190	10	6.5
37A	783139	18	617666	7558643	LT 1	65	00	M			GY		186	62	39	39	17	0.1	350	0.5	2	5.10	7.4	19.1	0.090	10	6.3
37A	783140	18	617781	7559996	1-5	25	00	M			GY		150	56	42	22	9	0.1	200	0.5	5	3.40	8.6	39.7	0.090	10	6.4
37A	783142	18	615963	7601079	POND	20	70	M		BR	GN		102	68	9	29	8	0.1	230	3.0	2	3.40	5.2	6.0	0.090	10	5.4
37A	783143	18	615955	7601918	LT 1	40	10	M		BR	GN		106	174	7	32	11	0.1	245	7.0	2	4.40	6.8	10.8	0.080	10	5.4
37A	783144	18	615955	7601918	LT 1	40	20	M		BR	GN		148	180	7	45	19	0.1	240	6.0	1	4.20	6.4	10.9	0.070	10	5.4

MAP	ID	UTM COORDINATES ZN	EAST	NORTH	LAKE AREA	SMP DTH	RP ST	REGEL F	CONT L	SAMP COLOR	SUSP	ZN	CU	PB	NI	CO	AG	MN	AS	MO	FE	LOI	U	U-W	F-W	PH
37A	783145	18	612523	7601706	LT 1	45	00	M		BR TN		104	102	7	31	39	0.1	840	9.0	3	4.30	3.0	7.2	0.040	10	5.8
37A	783146	18	614330	7597236	LT 1	40	00	H		BR GN		74	84	4	29	10	0.1	245	4.0	1	3.00	2.6	14.7	0.190	20	5.1
37A	783147	18	612844	7596201	LT 1	45	00	M		BR GN		124	188	6	52	16	0.1	220	3.0	2	2.90	11.0	17.3	0.130	10	4.9
37A	783148	18	613575	7593725	LT 1	50	00	H		BR GN		164	260	9	54	22	0.1	180	9.0	4	5.20	20.4	19.7	0.120	10	5.4
37A	783149	18	616053	7592569	GT 5	20	00	M		BR GN		225	134	5	95	30	0.1	60	0.5	1	3.10	18.2	17.6	0.140	20	5.0
37A	783150	18	615933	7588921	GT 5	45	00	H		BR GN		330	200	15	106	113	0.1	740	31.0	4	5.90	6.8	11.3	0.110	10	5.7
37A	783151	18	612945	7586032	POND	20	00	H		GY GN		230	106	12	57	20	0.1	220	1.0	5	3.40	5.8	23.4	0.180	10	5.9
37A	783152	18	613189	7582821	LT 1	20	00	M		GY GN		270	114	24	59	17	0.1	290	1.0	3	4.60	5.4	26.9	0.140	10	6.3
37A	783153	18	611863	7579301	LT 1	80	00	M		GY		168	120	16	46	17	0.1	320	1.0	2	4.70	5.6	15.3	0.080	10	6.6
37A	783154	18	610218	7583141	1-5	50	00	H		GN TN		160	94	3	52	30	0.1	395	1.0	3	3.40	3.2	28.1	0.120	10	6.1
37A	783155	18	611823	7588929	LT 1	50	00	H		GY		146	118	18	39	14	0.1	350	2.0	6	3.60	5.4	30.3	0.150	10	6.3
37A	783156	18	608198	7589557	LT 1	50	00	H		GY		128	78	12	43	18	0.1	380	3.0	4	5.20	1.0	10.9	0.260	10	6.3
37A	783157	18	607742	7592254	POND	20	00	M		BR GN		190	150	11	58	16	0.3	250	1.0	4	4.50	11.0	10.8	0.070	10	6.0
37A	783159	18	606087	7592961	LT 1	35	00	M		BR GN		168	144	9	59	13	0.3	280	1.0	2	3.40	12.8	10.6	0.050	10	5.8
37A	783160	18	609858	7598522	POND	20	00	M		GY TN		102	126	7	34	10	0.1	260	3.0	2	4.80	4.2	11.1	0.130	10	5.2
37A	783162	18	607649	7601470	1-5	35	00	H		GY GN		116	154	7	42	12	0.1	280	23.0	7	8.30	3.6	7.3	0.130	10	4.9
37A	783163	18	606470	7599505	1-5	40	70	H		BR GN		164	210	11	58	12	0.2	210	9.0	2	3.90	10.6	12.1	0.170	10	4.8
37A	783164	18	605072	7600624	POND	20	10	M		GN TN		56	88	5	15	3	0.6	110	1.0	1	1.90	6.6	7.8	1.000	88	3.9
37A	783165	18	605072	7600624	POND	20	20	M		GN TN		74	100	4	15	3	0.7	120	2.0	3	3.45	7.2	7.9	0.800	86	3.9
37A	783166	18	604692	7598427	POND	30	00	H		TN		128	86	7	38	12	0.1	400	4.0	3	5.10	0.8	9.0	0.500	34	4.2
37A	783167	18	601744	7598270	POND	20	00	M		GY GN		66	114	4	17	2	0.1	70	1.0	3	1.05	9.2	20.2	0.550	34	4.4
37A	783168	18	586621	7622711	POND	20	00	M		GY GN		88	66	6	58	17	0.1	280	20.0	2	3.50	2.4	5.8	0.050	20	6.5
37A	783169	18	587282	7627798	POND	25	00	M		GY GN		116	124	10	57	17	0.1	310	90.0	1	4.30	8.8	8.3	0.070	10	6.5
37A	783170	18	583325	7629337	LT 1	20	00	M		BR GN		136	122	15	55	28	0.1	640	135.0	2	6.00	2.4	9.0	0.070	10	6.4
37A	783171	18	580167	7634043	LT 1	40	00	M		GY GN		140	122	16	49	22	0.1	450	455.0	3	7.40	5.4	5.9	0.060	10	6.3
37A	783172	18	580218	7636597	POND	20	00	M		GY GN		188	220	20	76	18	0.1	280	71.0	5	4.60	9.8	10.4	0.060	10	6.1
37A	783173	18	577225	7640286	LT 1	20	00	M		GY TN		114	94	9	46	21	0.1	330	50.0	1	3.60	0.8	4.8	0.050	10	6.2
37A	783174	18	575682	7644075	LT 1	35	00	M		BR GN		90	90	10	30	30	0.1	660	90.0	1	4.50	2.2	6.2	0.080	10	6.2
37A	783175	18	572322	7649347	LT 1	20	00	M		BR GN		64	42	5	15	15	0.1	300	38.0	1	3.10	1.8	4.0	0.020	10	5.8
37A	783176	18	572294	7651349	LT 1	25	00	H		BR GN		130	78	8	46	11	0.1	310	45.0	1	3.35	4.2	5.3	0.020	10	6.0
37A	783177	18	570508	7652426	LT 1	65	00	M		GY GN		180	112	14	62	31	0.1	575	38.0	5	6.60	4.2	7.3	0.040	10	6.0
37A	783179	18	564648	7651953	LT 1	65	00	H		GY GN		148	132	13	54	24	0.1	300	58.0	4	3.60	8.4	8.6	0.010	10	6.1
37A	783180	18	562680	7649719	LT 1	35	00	M		BR GN		154	182	15	71	33	0.3	260	80.0	4	4.00	9.0	9.3	0.060	10	6.1
37A	783182	18	561874	7651032	LT 1	35	00	H		GN TN		102	96	9	32	25	0.1	380	195.0	3	5.30	2.6	5.4	0.040	10	6.0
37A	783183	18	559753	7651271	POND	25	00	M		GN TN		120	138	13	55	13	0.1	240	46.0	6	3.90	9.6	10.4	0.050	10	6.1
37A	783184	18	553495	7650012	POND	35	00	M		BR GN		80	40	4	21	9	0.1	260	90.0	3	4.50	3.4	4.1	0.010	10	6.2
37A	783185	18	552538	7650462	POND	25	70	M		BR GN		124	84	8	39	10	0.1	230	24.0	2	3.20	7.0	6.1	0.040	10	6.1
37A	783186	18	552211	7651029	LT 1	30	10	M		BR GN		88	54	8	26	16	0.1	530	22.0	1	3.90	2.2	5.0	0.040	10	6.2
37A	783187	18	552211	7651029	LT 1	30	20	M		BR GN		78	58	5	26	17	0.1	520	33.0	2	3.60	1.0	6.6	0.010	10	6.2
37A	783188	18	553592	7654085	1-5	30	00	H		BR GN		90	88	8	31	32	0.1	420	52.0	2	4.10	2.2	5.4	0.030	10	5.9
37A	783189	18	564112	7653849	POND	30	00	M		GY GN		146	130	15	48	12	0.1	240	40.0	3	3.00	12.0	6.6	0.030	10	5.7
37A	783190	18	565215	7653481	LT 1	55	00	M		GN TN		94	98	12	34	19	0.1	345	64.0	1	4.10	3.4	6.1	0.020	10	5.8
37A	783191	18	567760	7654289	LT 1	50	00	M		BR TN		106	124	12	36	28	0.1	440	76.0	3	4.60	2.0	7.0	0.020	10	5.8
37A	783192	18	574991	7653134	LT 1	25	00	H		BR GN		88	92	11	30	11	0.1	220	47.0	3	4.60	8.6	8.2	0.100	10	5.3
37A	783193	18	579575	7647652	POND	25	00	M		GY GN		110	96	9	46	26	0.1	300	25.0	4	3.60	4.6	5.1	0.030	10	5.8
37A	783195	18	580305	7643855	LT 1	50	00	M		BR GN		76	58	6	23	9	0.1	260	365.0	3	5.40	4.8	3.6	0.040	10	6.2
37A	783196	18	579773	7639091	LT 1	30	00	H		GY GN		84	72	7	32	19	0.1	390	43.0	2	3.80	1.4	4.4	0.060	10	6.0
37A	783197	18	582789	7637563	LT 1	25	00	M		GY GN		112	92	8	47	15	0.1	280	17.0	1	3.45	2.8	5.4	0.020	10	6.1
37A	783198	18	584403	7632675	LT 1	30	00	H		GY GN		120	126	8	51	12	0.1	230	24.0	1	3.00	4.6	8.2	0.010	10	5.9
37A	783199	18	590224	7630402	LT 1	35	00	M		TN		142	270	17	79	35	0.4	385	480.0	4	8.10	7.0	11.0	0.060	10	6.3

MAP	ID	UTM COORDINATES ZN	EAST	NORTH	LAKE AREA	SMP DTH	RP ST	REGIONAL FLT	CONTOUR	SAMP COLOR	SUSP	ZN	CU	PB	NI	CO	AG	MN	AS	MO	FE	LOI	U	U-W	F-W	PH
37A	783200	18	590803	7625569	LT 1	15	00	M		GY GN		104	130	8	55	15	0.1	295	32.0	3	3.70	7.6	7.1	0.060	10	6.6
37A	783202	18	590840	7622856	POND	25	00	M		GN TN		118	158	7	88	30	0.1	400	105.0	4	4.00	7.2	7.7	0.050	10	6.4
37A	783203	18	619222	7627310	LT 1	20	00	M		GN TN		120	86	10	63	25	0.1	490	68.0	2	4.95	2.8	5.9	0.010	10	6.3
37A	783204	18	619723	7628324	LT 1	30	00	M		GY GN		120	78	9	75	20	0.1	330	34.0	3	4.40	7.2	5.5	0.010	10	6.4
37A	783206	18	616459	7629865	LT 1	15	70	M		GY GN		98	74	7	51	18	0.1	260	100.0	1	3.60	4.0	5.1	0.050	10	6.2
37A	783207	18	616460	7631245	POND	40	10	H		GY GN		104	80	9	58	21	0.1	255	38.0	1	3.30	3.0	5.2	0.030	10	6.1
37A	783208	18	616460	7631245	POND	40	20	H		GY GN		114	126	10	78	20	0.1	210	50.0	1	3.00	11.4	6.6	0.030	10	6.0
37A	783209	18	616276	7633813	POND	30	00	M		GY GN		90	56	7	49	22	0.1	320	100.0	1	3.40	2.8	4.0	0.060	10	6.3
37A	783210	18	613471	7635683	POND	20	00	M		GY GN		168	158	8	102	22	0.2	230	52.0	1	3.60	11.0	7.2	0.100	10	5.7
37A	783211	18	608720	7640937	LT 1	20	00	M		BR GN		94	66	9	42	13	0.1	200	24.0	1	2.60	8.2	3.5	0.005	10	6.0
37A	783212	18	605822	7644389	POND	10	00	M		GY		132	86	8	59	20	0.1	180	68.0	2	2.90	8.4	3.8	0.010	10	5.8
37A	783213	18	601011	7641598	LT 1	20	00	M		BR GN		74	50	10	29	12	0.1	195	36.0	1	3.00	4.0	3.0	0.005	10	5.7
37A	783214	18	600206	7643292	POND	30	00	M		GY GN		132	158	26	75	31	0.1	310	90.0	3	4.70	6.8	6.8	0.005	10	5.9
37A	783215	18	598295	7644738	LT 1	20	00	M		GY GN		76	38	6	29	12	0.1	210	13.0	1	2.60	3.2	3.1	0.005	10	5.9
37A	783216	18	594053	7643831	LT 1	30	00	M		GY GN		94	76	11	39	15	0.1	215	155.0	3	4.10	6.2	4.3	0.005	10	6.0
37A	783217	18	591335	7646482	LT 1	10	00	M		GY		92	52	8	39	13	0.1	230	29.0	1	3.15	5.8	3.4	0.020	10	5.9
37A	783218	18	590157	7649824	POND	15	00	L		GY GN		74	30	5	32	13	0.1	210	15.0	1	2.70	3.2	3.0	0.005	10	5.9
37A	783219	18	586042	7651383	LT 1	25	00	M		BK GN		118	148	11	78	42	0.2	210	240.0	5	6.95	14.4	6.3	0.010	10	5.9
37A	783220	18	587139	7653468	POND	25	00	M		BK GN		126	164	9	85	24	0.1	130	765.0	7	14.00	17.2	6.7	0.020	10	5.9
37A	783222	18	585230	7654024	LT 1	25	00	M		GY GN		116	90	10	62	18	0.1	210	31.0	1	3.00	13.2	5.4	0.020	10	6.0
37A	783223	18	618229	7625700	1-5	50	70	M		GY		146	92	10	83	29	0.1	400	28.0	2	4.60	7.0	5.6	0.010	10	6.3
37A	783224	18	617114	7626303	LT 1	15	10	M		BR		100	76	10	49	27	0.1	470	95.0	2	4.40	4.2	5.6	0.010	10	6.3
37A	783225	18	617114	7626303	LT 1	15	20	M		BR		96	80	8	48	28	0.1	450	85.0	3	3.95	5.8	6.1	0.020	10	6.3
37A	783226	18	614116	7628898	1-5	35	00	H		BR		104	82	9	55	23	0.1	420	105.0	2	4.10	4.0	5.5	0.020	10	6.3
37A	783228	18	609954	7630031	LT 1	40	00	H		BR GY		174	168	8	104	35	0.2	420	170.0	4	5.50	6.4	11.6	0.060	10	6.3
37A	783229	18	605937	7633356	LT 1	30	00	M		BK BR		122	154	12	92	53	0.1	170	835.0	6	11.20	9.4	7.2	0.020	10	6.1
37A	783230	18	601991	7633140	LT 1	50	00	M		GY GN		100	100	10	49	18	0.2	220	28.0	3	3.30	9.0	4.3	0.040	10	5.9
37A	783231	18	597268	7633996	1-5	30	00	M		GY		78	40	6	29	19	0.1	280	47.0	2	3.40	1.0	3.0	0.020	10	5.9
37A	783232	18	594161	7636331	LT 1	30	00	M		BR GY		120	110	12	56	21	0.1	335	90.0	2	4.70	2.2	5.6	0.020	10	6.0
37A	783233	18	590077	7636580	LT 1	55	00	H		BR GY		116	88	11	49	26	0.1	370	120.0	2	4.70	1.6	4.6	0.100	10	5.9
37A	783234	18	592286	7639823	LT 1	35	00	M		GY		82	58	9	36	18	0.1	245	33.0	1	3.50	3.4	3.4	0.010	10	5.9
37A	783235	18	595354	7641143	LT 1	20	00	M		BR GY		86	90	10	42	15	0.1	180	70.0	2	3.30	7.0	5.4	0.090	10	5.8
37A	783236	18	597800	7639810	LT 1	45	00	M		GY		118	152	17	69	19	0.5	220	68.0	4	3.60	6.8	5.7	0.050	10	5.8
37A	783237	18	596889	7636858	POND	35	00	M		GY		116	78	10	58	31	0.1	380	185.0	1	6.10	4.0	4.8	0.020	10	6.0
37A	783238	18	602018	7636019	LT 1	35	00	H		BR GY		96	160	15	48	25	0.1	265	39.0	3	3.90	2.2	6.4	0.070	10	5.8
37A	783239	18	604098	7639002	LT 1	25	00	M		BR GY		84	70	8	39	15	0.1	200	15.0	2	2.90	2.0	4.1	0.010	10	6.0
37A	783240	18	605571	7636332	LT 1	10	00	M		GY TN		70	72	8	39	13	0.1	155	23.0	1	2.45	8.6	3.5	0.020	10	5.8
37A	783242	18	607457	7634982	POND	15	70	M		GY		96	72	3	49	15	0.1	180	25.0	1	2.50	4.4	3.1	0.050	10	5.8
37A	783243	18	609813	7632218	LT 1	45	10	M		GY		156	194	13	75	27	0.7	260	95.0	1	3.90	8.2	8.9	0.050	10	5.9
37A	783244	18	609813	7632218	LT 1	45	20	M		GY		128	148	11	62	19	0.4	220	170.0	2	4.30	9.2	8.4	0.060	10	5.9
37A	783245	18	612926	7632234	LT 1	20	00	H		GY		160	160	9	83	19	0.2	230	40.0	1	3.10	11.8	8.9	0.010	10	5.9

VARIABLE NAME: ZN LKSM
UNIT OF MEASUREMENT: PPM
DATA SUBSET: TOTAL

HISTOGRAM



	N	%	CUM %
I	2	.36	.36
XXXXXXXXXXXXXXX	181	32.50	32.85
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	330	59.25	92.10
XXXX	44	7.90	100.00

SUMMARY STATISTICS

TOTAL NUMBER OF SAMPLES	557
NUMBER OF ZERO VALUE SAMPLES	0
NUMBER OF NON-ZERO SAMPLES	557
ARITHMETIC MEAN	131.2029
VARIANCE	2745.7627
STANDARD DEVIATION	52.4000
SKEW	1.2517
EXCESS KURTOSIS	1.9587
COEFFICIENT OF VARIANCE, %	39.9382
STANDARD ERROR OF THE MEAN	2.2203
LOWER 95% LIMIT ON THE MEAN	126.8413
UPPER 95% LIMIT ON THE MEAN	135.5644
LOWER 95% LIMIT ON THE RANGE	28.2667
UPPER 95% LIMIT ON THE RANGE	234.1391
GEOMETRIC MEAN	122.1093
LOG10 MEAN	2.0867
LOG10 VARIANCE	.0265
LOG10 STANDARD DEVIATION	.1629
STANDARD ERROR ON THE MEAN	.0069
LOWER 95% LIMIT ON THE MEAN	118.3554
UPPER 95% LIMIT ON THE MEAN	125.9823
LOWER 95% LIMIT ON THE RANGE	58.4389
UPPER 95% LIMIT ON THE RANGE	255.1501
MINIMUM VALUE	48.0000
25TH PERCENTILE OR 1ST QUARTILE	94.0000
50TH PERCENTILE OR MEDIAN	120.0000
75TH PERCENTILE OR 3RD QUARTILE	158.0000
80TH PERCENTILE	168.0000
90TH PERCENTILE	194.0000
95TH PERCENTILE	245.0000
98TH PERCENTILE	270.0000
99TH PERCENTILE	310.0000
MAXIMUM VALUE	360.0000

VARIABLE NAME: CU LKSM
UNIT OF MEASUREMENT: PPM
DATA SUBSET: TOTAL

HISTOGRAM

		N	%	CUM %
100 PPB	I	1	.18	.18
200 PPB	XX	19	3.41	3.59
500 PPB	XXXXXXXXXX	113	20.29	23.88
1 PPM	XXXXXXXXXXXXXXXXXXXX	233	41.83	65.71
2 PPM	XXXXXXXXXXXXXX	171	30.70	96.41
5 PPM	XX	20	3.59	100.00
10 PPM				
20 PPM				
50 PPM				
100 PPM				
200 PPM				
500 PPM				
1000 PPM				
2000 PPM				
5000 PPM				

0 20 40 60 80 100

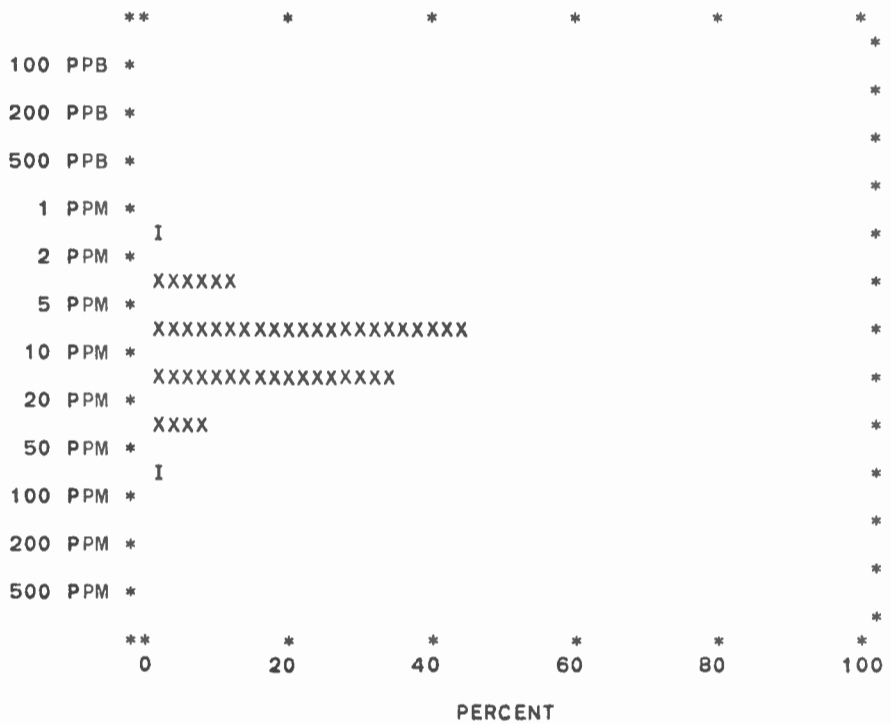
PERCENT

SUMMARY STATISTICS

TOTAL NUMBER OF SAMPLES	557
NUMBER OF ZERO VALUE SAMPLES	0
NUMBER OF NON-ZERO SAMPLES	557
ARITHMETIC MEAN	90.7379
VARIANCE	2891.6866
STANDARD DEVIATION	53.7744
SKEW	1.1755
EXCESS KURTOSIS	1.8992
COEFFICIENT OF VARIANCE, %	59.2635
STANDARD ERROR OF THE MEAN	2.2785
LOWER 95% LIMIT ON THE MEAN	86.2619
UPPER 95% LIMIT ON THE MEAN	95.2138
LOWER 95% LIMIT ON THE RANGE	-14.8982
UPPER 95% LIMIT ON THE RANGE	196.3739
GEOMETRIC MEAN	75.6432
LOG10 MEAN	1.8788
LOG10 VARIANCE	.0757
LOG10 STANDARD DEVIATION	.2752
STANDARD ERROR ON THE MEAN	.0117
LOWER 95% LIMIT ON THE MEAN	71.7566
UPPER 95% LIMIT ON THE MEAN	79.7403
LOWER 95% LIMIT ON THE RANGE	21.7831
UPPER 95% LIMIT ON THE RANGE	262.6761
MINIMUM VALUE	10.0000
25TH PERCENTILE OR 1ST QUARTILE	52.0000
50TH PERCENTILE OR MEDIAN	80.0000
75TH PERCENTILE OR 3RD QUARTILE	122.0000
80TH PERCENTILE	132.0000
90TH PERCENTILE	160.0000
95TH PERCENTILE	194.0000
98TH PERCENTILE	250.0000
99TH PERCENTILE	265.0000
MAXIMUM VALUE	360.0000

VARIABLE NAME: PB LKSM
UNIT OF MEASUREMENT: PPM
DATA SUBSET: TOTAL

HISTOGRAM



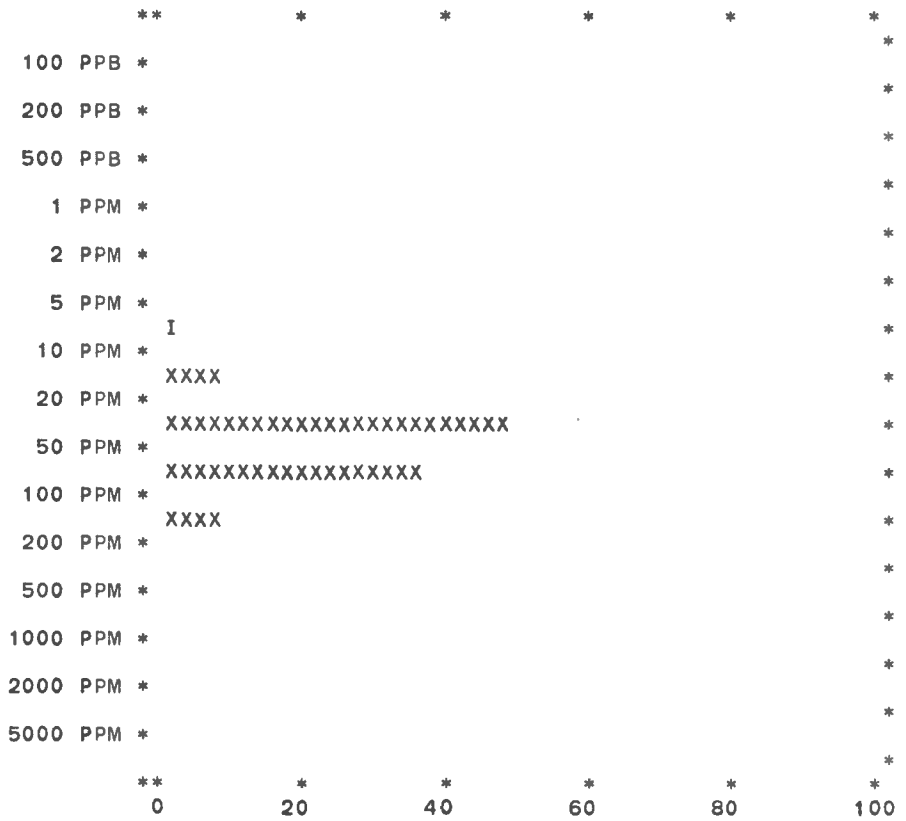
	N	%	CUM %
I	4	.72	.72
XXXXXX	68	12.21	12.93
XXXXXXXXXXXXXXXXXXXXX	249	44.70	57.63
XXXXXXXXXXXXXXXX	191	34.29	91.92
XXXX	42	7.54	99.46
I	3	.54	100.00

SUMMARY STATISTICS

TOTAL NUMBER OF SAMPLES	557
NUMBER OF ZERO VALUE SAMPLES	0
NUMBER OF NON-ZERO SAMPLES	557
ARITHMETIC MEAN	11.6230
VARIANCE	62.2785
STANDARD DEVIATION	7.8917
SKEW	2.9423
EXCESS KURTOSIS	13.1467
COEFFICIENT OF VARIANCE, %	67.8971
STANDARD ERROR OF THE MEAN	.3344
LOWER 95% LIMIT ON THE MEAN	10.9661
UPPER 95% LIMIT ON THE MEAN	12.2798
LOWER 95% LIMIT ON THE RANGE	-3.8797
UPPER 95% LIMIT ON THE RANGE	27.1256
GEOMETRIC MEAN	9.9043
LOG10 MEAN	.9958
LOG10 VARIANCE	.0562
LOG10 STANDARD DEVIATION	.2371
STANDARD ERROR ON THE MEAN	.0100
LOWER 95% LIMIT ON THE MEAN	9.4643
UPPER 95% LIMIT ON THE MEAN	10.3649
LOWER 95% LIMIT ON THE RANGE	3.3883
UPPER 95% LIMIT ON THE RANGE	28.9514
MINIMUM VALUE	2.0000
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	19.0000
95TH PERCENTILE	28.0000
98TH PERCENTILE	36.0000
99TH PERCENTILE	44.0000
MAXIMUM VALUE	75.0000

VARIABLE NAME: NI LKSM
UNIT OF MEASUREMENT: PPM
DATA SUBSET: TOTAL

HISTOGRAM



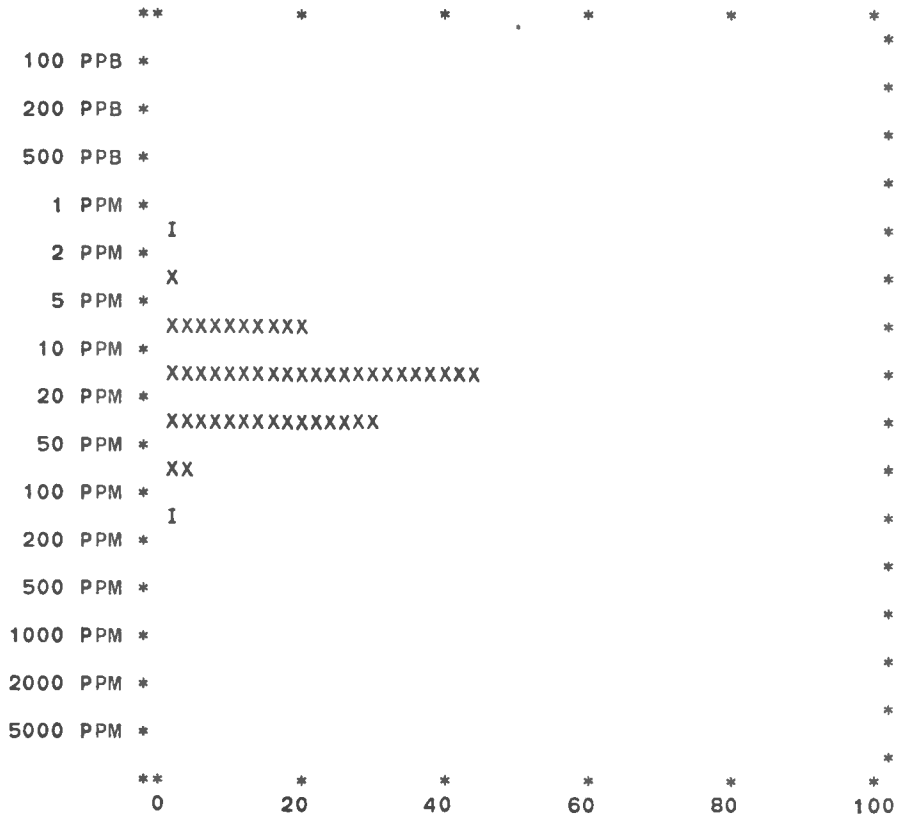
	N	%	CUM %
I	3	.54	.54
XXXX	49	8.80	9.34
XXXXXXXXXXXXXXXXXXXXXXX	264	47.40	56.73
XXXXXXXXXXXXXXXXX	196	35.19	91.92
XXXX	45	8.08	100.00

SUMMARY STATISTICS

TOTAL NUMBER OF SAMPLES	557
NUMBER OF ZERO VALUE SAMPLES	0
NUMBER OF NON-ZERO SAMPLES	557
ARITHMETIC MEAN	52.8510
VARIANCE	905.1091
STANDARD DEVIATION	30.0850
SKEW	1.3382
EXCESS KURTOSIS	2.2075
COEFFICIENT OF VARIANCE %	56.9243
STANDARD ERROR OF THE MEAN	1.2747
LOWER 95% LIMIT ON THE MEAN	50.3468
UPPER 95% LIMIT ON THE MEAN	55.3551
LOWER 95% LIMIT ON THE RANGE	-6.2489
UPPER 95% LIMIT ON THE RANGE	111.9509
GEOMETRIC MEAN	45.3402
LOG10 MEAN	1.6565
LOG10 VARIANCE	.0602
LOG10 STANDARD DEVIATION	.2453
STANDARD ERROR ON THE MEAN	.0104
LOWER 95% LIMIT ON THE MEAN	43.2578
UPPER 95% LIMIT ON THE MEAN	47.5227
LOWER 95% LIMIT ON THE RANGE	14.9482
UPPER 95% LIMIT ON THE RANGE	137.5232
MINIMUM VALUE	9.0000
25TH PERCENTILE OR 1ST QUARTILE	31.0000
50TH PERCENTILE OR MEDIAN	47.0000
75TH PERCENTILE OR 3RD QUARTILE	66.0000
80TH PERCENTILE	75.0000
90TH PERCENTILE	95.0000
95TH PERCENTILE	110.0000
98TH PERCENTILE	142.0000
99TH PERCENTILE	150.0000
MAXIMUM VALUE	188.0000

VARIABLE NAME: CO LKSM
UNIT OF MEASUREMENT: PPM
DATA SUBSET: TOTAL

HISTOGRAM



	N	%	CUM %
I	1	.18	.18
X	12	2.15	2.33
XXXXXXXXXX	115	20.65	22.98
XXXXXXXXXXXXXXXXXXXXX	242	43.45	66.43
XXXXXXXXXXXXXX	163	29.26	95.69
XX	22	3.95	99.64
I	2	.36	100.00

SUMMARY STATISTICS

TOTAL NUMBER OF SAMPLES	557
NUMBER OF ZERO VALUE SAMPLES	0
NUMBER OF NON-ZERO SAMPLES	557
ARITHMETIC MEAN	19.6661
VARIANCE	193.1833
STANDARD DEVIATION	13.8990
SKEW	2.6601
EXCESS KURTOSIS	10.5939
COEFFICIENT OF VARIANCE, %	70.6752
STANDARD ERROR OF THE MEAN	.5889
LOWER 95% LIMIT ON THE MEAN	18.5092
UPPER 95% LIMIT ON THE MEAN	20.8230
LOWER 95% LIMIT ON THE RANGE	-7.6376
UPPER 95% LIMIT ON THE RANGE	46.9698
GEOMETRIC MEAN	16.3706
LOG10 MEAN	1.2141
LOG10 VARIANCE	.0660
LOG10 STANDARD DEVIATION	.2570
STANDARD ERROR ON THE MEAN	.0109
LOWER 95% LIMIT ON THE MEAN	15.5838
UPPER 95% LIMIT ON THE MEAN	17.1971
LOWER 95% LIMIT ON THE RANGE	5.1193
UPPER 95% LIMIT ON THE RANGE	52.3499
MINIMUM VALUE	2.0000
25TH PERCENTILE OR 1ST QUARTILE	11.0000
50TH PERCENTILE OR MEDIAN	16.0000
75TH PERCENTILE OR 3RD QUARTILE	24.0000
80TH PERCENTILE	26.0000
90TH PERCENTILE	35.0000
95TH PERCENTILE	45.0000
98TH PERCENTILE	66.0000
99TH PERCENTILE	75.0000
MAXIMUM VALUE	113.0000

VARIABLE NAME: AG LKSM | UNIT OF MEASUREMENT: PPM | DATA SUBSET: TOTAL

HISTOGRAM

		N	%	CUM %
1 PPB				
2 PPB				
5 PPB				
10 PPB				
20 PPB				
50 PPB				
100 PPB	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	443	79.53	79.53
200 PPB	XXXXX	51	9.16	88.69
500 PPB	XXXXX	52	9.34	98.03
1 PPM	X	11	1.97	100.00
2 PPM				
5 PPM				
10 PPM				
20 PPM				
50 PPM				

0 20 40 60 80 100

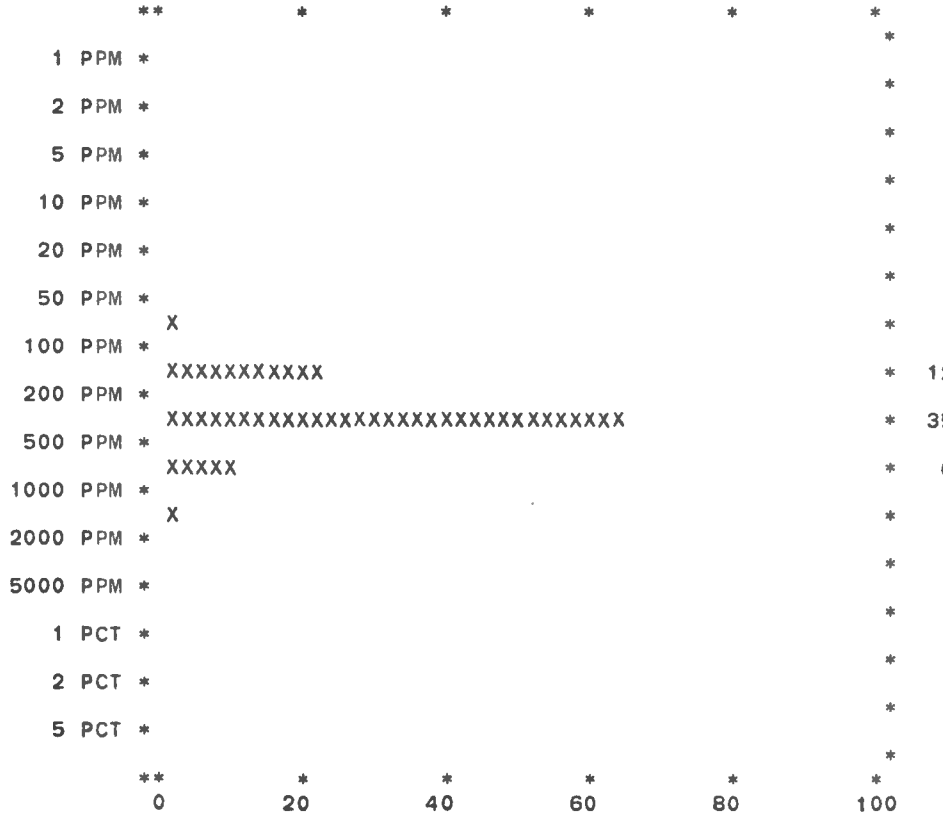
PERCENT

SUMMARY STATISTICS

TOTAL NUMBER OF SAMPLES	557
NUMBER OF ZERO VALUE SAMPLES	0
NUMBER OF NON-ZERO SAMPLES	557
ARITHMETIC MEAN	.1461
VARIANCE	.0149
STANDARD DEVIATION	.1219
SKEW	3.9462
EXCESS KURTOSIS	19.1446
COEFFICIENT OF VARIANCE, %	93.4245
STANDARD ERROR OF THE MEAN	.0052
LOWER 95% LIMIT ON THE MEAN	.1360
UPPER 95% LIMIT ON THE MEAN	.1563
LOWER 95% LIMIT ON THE RANGE	-.0934
UPPER 95% LIMIT ON THE RANGE	.3856
GEOMETRIC MEAN	.1246
LOG10 MEAN	-.9046
LOG10 VARIANCE	.0426
LOG10 STANDARD DEVIATION	.2063
STANDARD ERROR ON THE MEAN	.0087
LOWER 95% LIMIT ON THE MEAN	.1197
UPPER 95% LIMIT ON THE MEAN	.1296
LOWER 95% LIMIT ON THE RANGE	.0490
UPPER 95% LIMIT ON THE RANGE	.3167
MINIMUM VALUE	.1000
25TH PERCENTILE OR 1ST QUARTILE	.1000
50TH PERCENTILE OR MEDIAN	.1000
75TH PERCENTILE OR 3RD QUARTILE	.1000
80TH PERCENTILE	.2000
90TH PERCENTILE	.3000
95TH PERCENTILE	.4000
98TH PERCENTILE	.6000
99TH PERCENTILE	.8000
MAXIMUM VALUE	1.0000

VARIABLE NAME: MN LKSM
UNIT OF MEASUREMENT: PPM
DATA SUBSET: TOTAL

HISTOGRAM



	N	%	CUM %
50 PPM	7	1.26	1.26
100 PPM	128	22.98	24.24
200 PPM	355	63.73	87.97
500 PPM	61	10.95	98.92
1000 PPM	6	1.08	100.00

SUMMARY STATISTICS

TOTAL NUMBER OF SAMPLES	557
NUMBER OF ZERO VALUE SAMPLES	0
NUMBER OF NON-ZERO SAMPLES	557
ARITHMETIC MEAN	329.0215
VARIANCE	39005.7405
STANDARD DEVIATION	197.4987
SKEW	2.1549
EXCESS KURTOSIS	6.0614
COEFFICIENT OF VARIANCE, %	60.0261
STANDARD ERROR OF THE MEAN	8.3683
LOWER 95% LIMIT ON THE MEAN	312.5826
UPPER 95% LIMIT ON THE MEAN	345.4605
LOWER 95% LIMIT ON THE RANGE	-58.9508
UPPER 95% LIMIT ON THE RANGE	716.9939
GEOMETRIC MEAN	286.8879
LOG10 MEAN	2.4577
LOG10 VARIANCE	.0484
LOG10 STANDARD DEVIATION	.2201
STANDARD ERROR ON THE MEAN	.0093
LOWER 95% LIMIT ON THE MEAN	275.0394
UPPER 95% LIMIT ON THE MEAN	299.2468
LOWER 95% LIMIT ON THE RANGE	106.0247
UPPER 95% LIMIT ON THE RANGE	776.2783
MINIMUM VALUE	60.0000
25TH PERCENTILE OR 1ST QUARTILE	210.0000
50TH PERCENTILE OR MEDIAN	270.0000
75TH PERCENTILE OR 3RD QUARTILE	380.0000
80TH PERCENTILE	410.0000
90TH PERCENTILE	590.0000
95TH PERCENTILE	770.0000
98TH PERCENTILE	930.0000
99TH PERCENTILE	1050.0000
MAXIMUM VALUE	1450.0000

VARIABLE NAME: AS LKSM | UNIT OF MEASUREMENT: PPM | DATA SUBSET: TOTAL

HISTOGRAM

		N	%	CUM %
10 PPB				
20 PPB				
50 PPB				
100 PPB				
200 PPB	XXXXXX	69	12.39	12.39
500 PPB	XXXX	42	7.54	19.93
1 PPM	XXX	32	5.75	25.67
2 PPM	XXXX	47	8.44	34.11
5 PPM	XXXX	43	7.72	41.83
10 PPM	XXXXXXX	82	14.72	56.55
20 PPM	XXXXXXXXXXX	131	23.52	80.07
50 PPM	XXXXXX	65	11.67	91.74
100 PPM	XXX	34	6.10	97.85
200 PPM	X	9	1.62	99.46
500 PPM	I	3	.54	100.00
1000 PPM				
2000 PPM				
5000 PPM				

0 20 40 60 80 100

PERCENT

SUMMARY STATISTICS

TOTAL NUMBER OF SAMPLES	557
NUMBER OF ZERO VALUE SAMPLES	0
NUMBER OF NON-ZERO SAMPLES	557
ARITHMETIC MEAN	37.5575
VARIANCE	5774.2467
STANDARD DEVIATION	75.9885
SKEW	5.7562
EXCESS KURTOSIS	44.9014
COEFFICIENT OF VARIANCE, %	202.3259
STANDARD ERROR OF THE MEAN	3.2197
LOWER 95% LIMIT ON THE MEAN	31.2325
UPPER 95% LIMIT ON THE MEAN	43.8824
LOWER 95% LIMIT ON THE RANGE	-111.7166
UPPER 95% LIMIT ON THE RANGE	186.8315
GEOMETRIC MEAN	10.5564
LOG10 MEAN	1.0235
LOG10 VARIANCE	.6147
LOG10 STANDARD DEVIATION	.7840
STANDARD ERROR ON THE MEAN	.0332
LOWER 95% LIMIT ON THE MEAN	9.0836
UPPER 95% LIMIT ON THE MEAN	12.2679
LOWER 95% LIMIT ON THE RANGE	.3044
UPPER 95% LIMIT ON THE RANGE	366.1263
MINIMUM VALUE	.5000
25TH PERCENTILE OR 1ST QUARTILE	2.0000
50TH PERCENTILE OR MEDIAN	15.0000
75TH PERCENTILE OR 3RD QUARTILE	38.0000
80TH PERCENTILE	52.0000
90TH PERCENTILE	90.0000
95TH PERCENTILE	145.0000
98TH PERCENTILE	225.0000
99TH PERCENTILE	400.0000
MAXIMUM VALUE	835.0000

VARIABLE NAME: MO LKSM
UNIT OF MEASUREMENT: PPM
DATA SUBSET: TOTAL

HISTOGRAM

		N	%	CUM %
10 PPB				
20 PPB				
50 PPB				
100 PPB				
200 PPB				
500 PPB				
1 PPM	XXXXXXXXXXXXXXXXXX	211	37.88	37.88
2 PPM	XXXXXXXXXXXX	144	25.85	63.73
5 PPM	XXXXXXXXXXXXX	161	28.90	92.64
10 PPM	XX	27	4.85	97.49
20 PPM	X	13	2.33	99.82
50 PPM	I	1	.18	100.00
100 PPM				
200 PPM				
500 PPM				

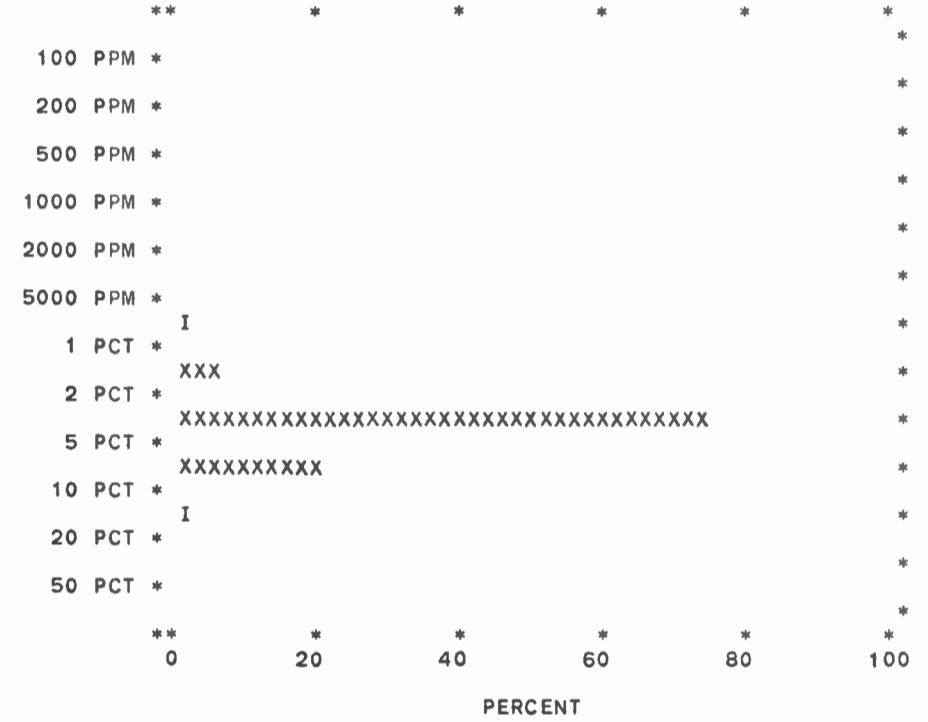
0 20 40 60 80 100
PERCENT

SUMMARY STATISTICS

TOTAL NUMBER OF SAMPLES	557
NUMBER OF ZERO VALUE SAMPLES	0
NUMBER OF NON-ZERO SAMPLES	557
ARITHMETIC MEAN	2.6786
VARIANCE	6.5170
STANDARD DEVIATION	2.5528
SKEW	3.4379
EXCESS KURTOSIS	17.2841
COEFFICIENT OF VARIANCE, %	95.3041
STANDARD ERROR OF THE MEAN	.1082
LOWER 95% LIMIT ON THE MEAN	2.4661
UPPER 95% LIMIT ON THE MEAN	2.8911
LOWER 95% LIMIT ON THE RANGE	-2.3363
UPPER 95% LIMIT ON THE RANGE	7.6935
GEOMETRIC MEAN	2.0387
LOG10 MEAN	.3094
LOG10 VARIANCE	.0893
LOG10 STANDARD DEVIATION	.2989
STANDARD ERROR ON THE MEAN	.0127
LOWER 95% LIMIT ON THE MEAN	1.9252
UPPER 95% LIMIT ON THE MEAN	2.1589
LOWER 95% LIMIT ON THE RANGE	.5275
UPPER 95% LIMIT ON THE RANGE	7.8788
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	5.0000
95TH PERCENTILE	8.0000
98TH PERCENTILE	12.0000
99TH PERCENTILE	15.0000
MAXIMUM VALUE	25.0000

VARIABLE NAME: FE LKSM
UNIT OF MEASUREMENT: PCT
DATA SUBSET: TOTAL

HISTOGRAM



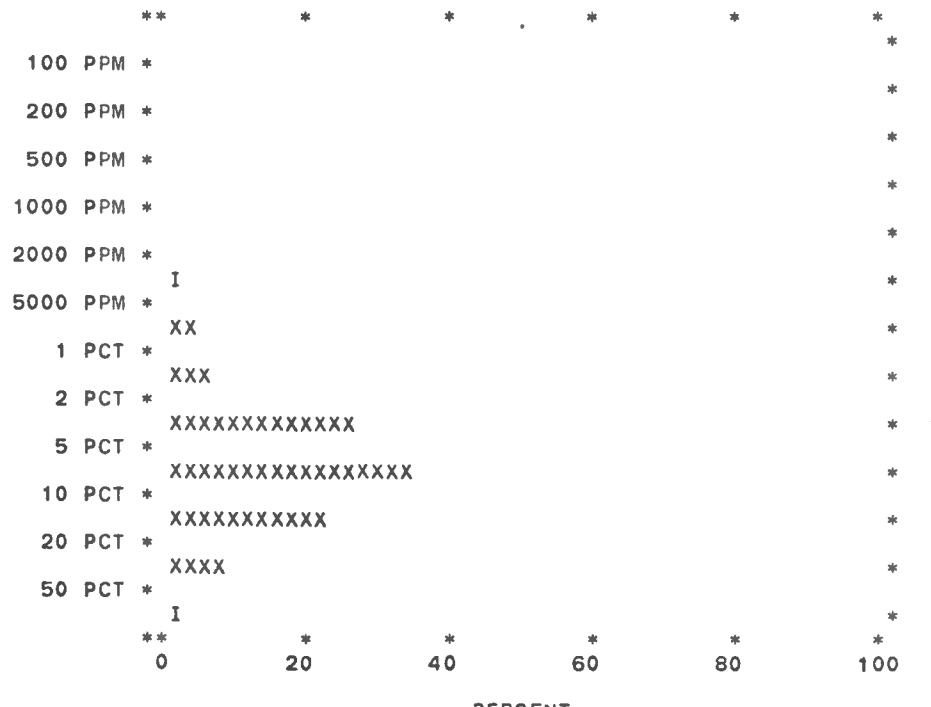
	N	%	CUM %
*			
*			
*			
*			
*			
*			
*			
*	1	.18	.18
*	34	6.10	6.28
*	408	73.25	79.53
*	110	19.75	99.28
*	4	.72	100.00
*			
*			
*			
*			

SUMMARY STATISTICS

TOTAL NUMBER OF SAMPLES	557
NUMBER OF ZERO VALUE SAMPLES	0
NUMBER OF NON-ZERO SAMPLES	557
ARITHMETIC MEAN	4.0235
VARIANCE	2.8628
STANDARD DEVIATION	1.6920
SKEW	1.8626
EXCESS KURTOSIS	7.2098
COEFFICIENT OF VARIANCE, %	42.0526
STANDARD ERROR OF THE MEAN	.0717
LOWER 95% LIMIT ON THE MEAN	3.8827
UPPER 95% LIMIT ON THE MEAN	4.1644
LOWER 95% LIMIT ON THE RANGE	.6997
UPPER 95% LIMIT ON THE RANGE	7.3473
GEOMETRIC MEAN	3.7272
LOG10 MEAN	.5714
LOG10 VARIANCE	.0284
LOG10 STANDARD DEVIATION	.1686
STANDARD ERROR ON THE MEAN	.0071
LOWER 95% LIMIT ON THE MEAN	3.6087
UPPER 95% LIMIT ON THE MEAN	3.8496
LOWER 95% LIMIT ON THE RANGE	1.7384
UPPER 95% LIMIT ON THE RANGE	7.9915
MINIMUM VALUE	.9000
25TH PERCENTILE OR 1ST QUARTILE	2.9500
50TH PERCENTILE OR MEDIAN	3.7000
75TH PERCENTILE OR 3RD QUARTILE	4.7000
80TH PERCENTILE	5.1000
90TH PERCENTILE	6.1000
95TH PERCENTILE	7.3000
98TH PERCENTILE	8.0500
99TH PERCENTILE	8.9000
MAXIMUM VALUE	15.8000

VARIABLE NAME: LOI LKSM
UNIT OF MEASUREMENT: PCT
DATA SUBSET: TOTAL

HISTOGRAM



	N	%	CUM %
I	2	.36	.36
XX	17	3.05	3.41
XXX	33	5.92	9.34
XXXXXXXXXXXX	148	26.57	35.91
XXXXXXXXXXXXXXXX	186	33.39	69.30
XXXXXXXXXX	126	22.62	91.92
XXXX	44	7.90	99.82
I	1	.18	100.00

SUMMARY STATISTICS

TOTAL NUMBER OF SAMPLES	557
NUMBER OF ZERO VALUE SAMPLES	0
NUMBER OF NON-ZERO SAMPLES	557
ARITHMETIC MEAN	8.8887
VARIANCE	53.5631
STANDARD DEVIATION	7.3187
SKEW	1.8552
EXCESS KURTOSIS	4.6378
COEFFICIENT OF VARIANCE, %	82.3370
STANDARD ERROR OF THE MEAN	.3101
LOWER 95% LIMIT ON THE MEAN	8.2795
UPPER 95% LIMIT ON THE MEAN	9.4979
LOWER 95% LIMIT ON THE RANGE	-5.4883
UPPER 95% LIMIT ON THE RANGE	23.2657
GEOMETRIC MEAN	6.4617
LOG10 MEAN	.8103
LOG10 VARIANCE	.1341
LOG10 STANDARD DEVIATION	.3661
STANDARD ERROR ON THE MEAN	.0155
LOWER 95% LIMIT ON THF MEAN	6.0238
UPPER 95% LIMIT ON THE MEAN	6.9314
LOWER 95% LIMIT ON THE RANGE	1.2333
UPPER 95% LIMIT ON THE RANGE	33.8545
MINIMUM VALUE	.5000
25TH PERCENTILE OR 1ST QUARTILE	3.8000
50TH PERCENTILE OR MEDIAN	6.8000
75TH PERCENTILE OR 3RD QUARTILE	11.8000
80TH PERCENTILE	13.6000
90TH PERCENTILE	18.0000
95TH PERCENTILE	24.0000
98TH PERCENTILE	29.8000
99TH PERCENTILE	36.8000
MAXIMUM VALUE	51.2000

VARIABLE NAME: U LKSM
UNIT OF MEASUREMENT: PPM
DATA SUBSET: TOTAL

HISTOGRAM

		N	%	CUM %
100 PPB				
200 PPB				
500 PPB				
1 PPM				
2 PPM	XXXXXXXXXXX	130	23.34	23.34
5 PPM	XXXXXXXXXXXXXXXXXXX	222	39.86	63.20
10 PPM	XXXXXXXXXX	108	19.39	82.59
20 PPM	XXXXXXXX	84	15.08	97.67
50 PPM	X	11	1.97	99.64
100 PPM	I	2	.36	100.00
200 PPM				
500 PPM				
1000 PPM				
2000 PPM				
5000 PPM				

0 20 40 60 80 100

PERCENT

SUMMARY STATISTICS

TOTAL NUMBER OF SAMPLES	557
NUMBER OF ZERO VALUE SAMPLES	0
NUMBER OF NON-ZERO SAMPLES	557
ARITHMETIC MEAN	12.8214
VARIANCE	216.3013
STANDARD DEVIATION	14.7072
SKEW	4.4509
EXCESS KURTOSIS	31.2152
COEFFICIENT OF VARIANCE, %	114.7084
STANDARD ERROR OF THE MEAN	.6232
LOWER 95% LIMIT ON THE MEAN	11.5972
UPPER 95% LIMIT ON THE MEAN	14.0455
LOWER 95% LIMIT ON THE RANGE	-16.0699
UPPER 95% LIMIT ON THE RANGE	41.7126
GEOMETRIC MEAN	9.0800
LOG10 MEAN	.9581
LOG10 VARIANCE	.1084
LOG10 STANDARD DEVIATION	.3292
STANDARD ERROR ON THE MEAN	.0140
LOWER 95% LIMIT ON THE MEAN	8.5247
UPPER 95% LIMIT ON THE MEAN	9.6714
LOWER 95% LIMIT ON THE RANGE	2.0479
UPPER 95% LIMIT ON THE RANGE	40.2582
MINIMUM VALUE	2.4000
25TH PERCENTILE OR 1ST QUARTILE	5.3000
50TH PERCENTILE OR MEDIAN	7.4000
75TH PERCENTILE OR 3RD QUARTILE	15.1000
80TH PERCENTILE	17.7000
90TH PERCENTILE	28.1000
95TH PERCENTILE	39.0000
98TH PERCENTILE	50.6000
99TH PERCENTILE	75.2000
MAXIMUM VALUE	159.0000

VARIABLE NAME: U-W LKWR
UNIT OF MEASUREMENT: PPB
DATA SUBSET: TOTAL

HISTOGRAM

		N	%	CUM %
1 PPT				
2 PPT	X	8	1.44	1.44
5 PPT	XX	18	3.23	4.67
10 PPT	XXX	38	6.82	11.49
20 PPT	XXXXXXXXX	103	18.49	29.98
50 PPT	XXXXXXXXXXXX	132	23.70	53.68
100 PPT	XXXXXXXXXXXXXX	161	28.90	82.59
200 PPT	XXXXXXX	82	14.72	97.31
500 PPT	X	13	2.33	99.64
1 PPB	I	2	.36	100.00
2 PPB				
5 PPB				
10 PPB				
20 PPB				
50 PPB				

0 20 40 60 80 100

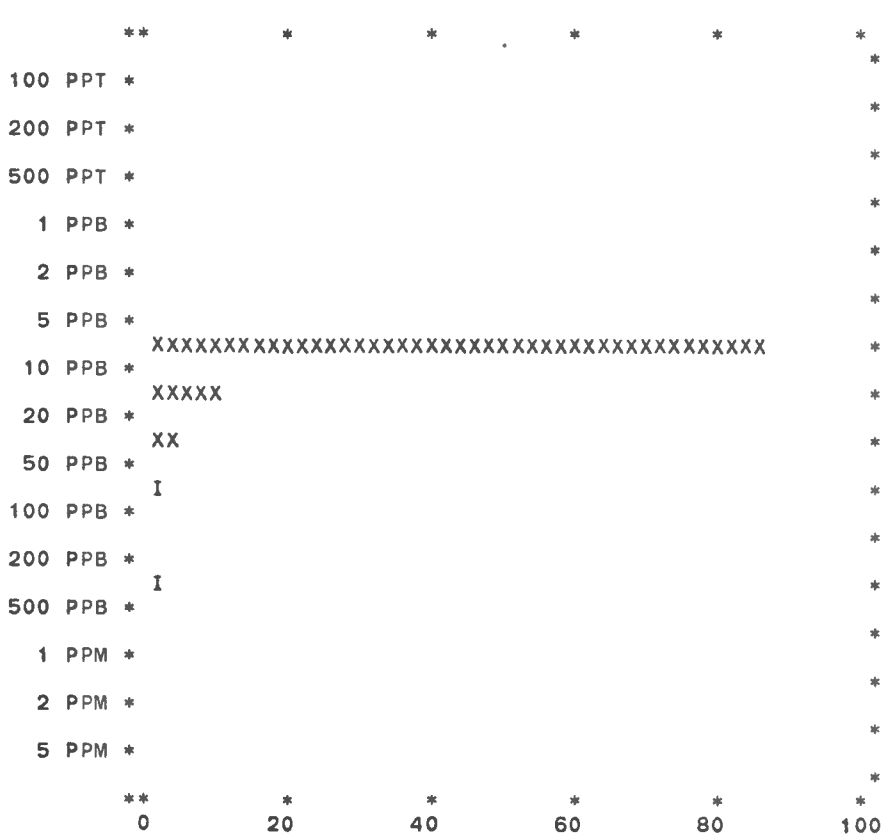
PERCENT

SUMMARY STATISTICS

TOTAL NUMBER OF SAMPLES	557
NUMBER OF ZERO VALUE SAMPLES	0
NUMBER OF NON-ZERO SAMPLES	557
ARITHMETIC MEAN	.1347
VARIANCE	.0196
STANDARD DEVIATION	.1401
SKEW	3.0280
EXCESS KURTOSIS	13.3728
COEFFICIENT OF VARIANCE, %	103.9993
STANDARD ERROR OF THE MEAN	.0059
LOWER 95% LIMIT ON THE MEAN	.1231
UPPER 95% LIMIT ON THE MEAN	.1464
LOWER 95% LIMIT ON THE RANGE	-.1405
UPPER 95% LIMIT ON THE RANGE	.4100
GEOMETRIC MEAN	.0875
LOG10 MEAN	-1.0579
LOG10 VARIANCE	.1828
LOG10 STANDARD DEVIATION	.4276
STANDARD ERROR ON THE MEAN	.0181
LOWER 95% LIMIT ON THE MEAN	.0806
UPPER 95% LIMIT ON THE MEAN	.0950
LOWER 95% LIMIT ON THE RANGE	.0127
UPPER 95% LIMIT ON THE RANGE	.6053
MINIMUM VALUE	.0050
25TH PERCENTILE OR 1ST QUARTILE	.0500
50TH PERCENTILE OR MEDIAN	.1000
75TH PERCENTILE OR 3RD QUARTILE	.1700
80TH PERCENTILE	.1900
90TH PERCENTILE	.2800
95TH PERCENTILE	.4000
98TH PERCENTILE	.5500
99TH PERCENTILE	.7800
MAXIMUM VALUE	1.1000

VARIABLE NAME	UNIT OF MEASUREMENT	DATA SUBSET
F-W LKWR	PPB	TOTAL

HISTOGRAM



	N	%	CUM %
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	476	85.46	85.46
XXXXX	55	9.87	95.33
XX	23	4.13	99.46
I	2	.36	99.82
I	1	.18	100.00

SUMMARY STATISTICS

TOTAL NUMBER OF SAMPLES	557
NUMBER OF ZERO VALUE SAMPLES	0
NUMBER OF NON-ZERO SAMPLES	557
ARITHMETIC MEAN	12.6715
VARIANCE	306.6059
STANDARD DEVIATION	17.5102
SKEW	19.7032
EXCESS KURTOSIS	429.1258
COEFFICIENT OF VARIANCE, %	138.1859
STANDARD ERROR OF THE MEAN	.7419
LOWER 95% LIMIT ON THE MEAN	11.2140
UPPER 95% LIMIT ON THE MEAN	14.1289
LOWER 95% LIMIT ON THE RANGE	-21.7260
UPPER 95% LIMIT ON THE RANGE	47.0689
GEOMETRIC MEAN	11.3237
LOG10 MEAN	1.0540
LOG10 VARIANCE	.0218
LOG10 STANDARD DEVIATION	.1476
STANDARD ERROR ON THE MEAN	.0063
LOWER 95% LIMIT ON THF MEAN	11.0080
UPPER 95% LIMIT ON THE MEAN	11.6486
LOWER 95% LIMIT ON THE RANGE	5.8090
UPPER 95% LIMIT ON THE RANGE	22.0739
MINIMUM VALUE	10.0000
25TH PERCENTILE OR 1ST QUARTILE	10.0000
50TH PERCENTILE OR MEDIAN	10.0000
75TH PERCENTILE OR 3RD QUARTILE	10.0000
80TH PERCENTILE	10.0000
90TH PERCENTILE	20.0000
95TH PERCENTILE	20.0000
98TH PERCENTILE	32.0000
99TH PERCENTILE	38.0000
MAXIMUM VALUE	400.0000

SUMMARY STATISTICS

SUBSET	VARIABLE	UNITS	N	ARITH MEAN	STD DEV	CV %	SKEW	EXCESS KURT	95% LIMITS ON MEAN		GEOM MEAN	LOG 10 MEAN	STD DEV	95% LIMITS ON MEAN	
TOTAL	ZN LKSM	PPM	557	131.	52.4	39.9	1.25	1.96	127.	136.	122.	2.0867	.1629	118.	126.
TOTAL	CU LKSM	PPM	557	90.7	53.8	59.3	1.18	1.90	86.3	95.2	75.6	1.8788	.2752	71.8	79.7
TOTAL	PB LKSM	PPM	557	11.6	7.89	67.9	2.94	13.15	11.0	12.3	9.90	.9958	.2371	9.46	10.4
TOTAL	NI LKSM	PPM	557	52.9	30.1	56.9	1.34	2.21	50.3	55.4	45.3	1.6565	.2453	43.3	47.5
TOTAL	CO LKSM	PPM	557	19.7	13.9	70.7	2.66	10.59	18.5	20.8	16.4	1.2141	.2570	15.6	17.2
TOTAL	AG LKSM	PPM	557	.146	.122	83.4	3.95	19.14	.136	.156	.125	-.9046	.2063	.120	.130
TOTAL	MN LKSM	PPM	557	329.	197.	60.0	2.15	6.06	313.	345.	287.	2.4577	.2201	275.	299.
TOTAL	AS LKSM	PPM	557	37.6	76.0	202.3	5.76	44.90	31.2	43.9	10.6	1.0235	.7840	9.08	12.3
TOTAL	MO LKSM	PPM	557	2.68	2.55	95.3	3.44	17.28	2.47	2.89	2.04	.3094	.2[illegible]9	1.93	2.16
TOTAL	FE LKSM	PCT	557	4.02	1.69	42.1	1.86	7.21	3.88	4.16	3.73	.5714	.1686	3.61	3.85
TOTAL	LOI LKSM	PCT	557	8.89	7.32	82.3	1.86	4.64	8.28	9.50	6.46	.8103	.3661	6.02	6.93
TOTAL	U LKSM	PPM	557	12.8	14.7	114.7	4.45	31.22	11.6	14.0	9.08	.9581	.3292	8.52	9.67
TOTAL	U-W LKWR	PPB	557	.135	.140	104.0	3.03	13.37	.123	.146	.875E-01	-1.0579	.4276	.806E-01	950E-01
TOTAL	F-W LKWR	PPB	557	12.7	17.5	138.2	19.70	429.13	11.2	14.1	11.3	1.0540	.1476	11.0	11.6

SUBSET	VARIABLE	UNITS	N	MIN VALUE	PERCENTILE 25TH	50TH	75TH	80TH	90TH	95TH	98TH	99TH	MAX VALUE
TOTAL	ZN LKSM	PPM	557	48.000	94.000	120.000	158 000	168.000	194.000	245.000	270.000	310.000	360.000
TOTAL	CU LKSM	PPM	557	10.000	52.000	80.000	122 000	132.000	160.000	194.000	250.000	265.000	360.000
TOTAL	PB LKSM	PPM	557	2.000	7.000	10.000	13 000	15.000	19.000	28.000	36.000	44.000	75.000
TOTAL	NI LKSM	PPM	557	9.000	31.000	47.000	66.000	75.000	95.000	110.000	142.000	150.000	188.000
TOTAL	CO LKSM	PPM	557	2.000	11.000	16.000	24.000	26.000	35.000	45.000	66.000	75.000	113.000
TOTAL	AG LKSM	PPM	557	.100	.100	.100	.100	.200	.300	.400	.600	.800	1.000
TOTAL	MN LKSM	PPM	557	60.000	210.000	270.000	380.000	410.000	590.000	770.000	930.000	1050.000	1450.000
TOTAL	AS LKSM	PPM	557	.500	2.000	15.000	38.000	52.000	90.000	145.000	225.000	400.000	835.000
TOTAL	MO LKSM	PPM	557	1.000	1.000	2.000	3 000	4.000	5.000	8.000	12.000	15.000	25.000
TOTAL	FE LKSM	PCT	557	.900	2.950	3.700	4.700	5.100	6.100	7.300	8.050	8.900	15.800
TOTAL	LOI LKSM	PCT	557	.500	3.800	6.800	11.800	13.600	18.000	24.000	29.800	36.800	51.200
TOTAL	U LKSM	PPM	557	2.400	5.300	7.400	15.100	17.700	28.100	39.000	50.600	75.200	159.000
TOTAL	U-W LKWR	PPB	557	.005	.050	.100	.170	.190	.280	.400	.550	.780	1.100
TOTAL	F-W LKWR	PPB	557	10.000	10.000	10.000	10.000	10.000	20.000	20.000	32.000	38.000	400.000

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	LOI	U	U-W	F-W
37A	781005		5	+			+		+								*
37A	781011		4	+			**										
37A	781012		10	*	+		**	+		+			*				
37A	781013		4					+		+			*				
37A	781015		7	+			*	***									
37A	781016		15		*			***		***						+	***
37A	781017		4				***										
37A	781018		14	**	*		***		+					*	*		
37A	781020		4									*				*	
37A	781022		4											**		+	
37A	781023		4											*		*	
37A	781024		4											**	+		
37A	781026		4	*			*										
37A	781027		15	*	**		***	*			+	+					*
37A	781029		4	**			+										
37A	781030		11	**	*		***	*									
37A	781034		6	+	*		*		+								
37A	781040		10	+		*				**			**		+		
37A	781050		20	***	*		***	**	***					+			*
37A	781051		7									*		***		+	
37A	781053		4									***					
37A	781057		13	*	***	+	*		*					*			
37A	781058		8	+	+	*	+		**								
37A	781062		6												*	***	
37A	781063		6									*				***	
37A	781072		4									**				+	
37A	781073		7									***				**	
37A	781077		7		+		+	*		+		+	+				
37A	781080		15			*			*			+		*	***	***	
37A	781089		7									+				*	***
37A	781090		9									*				**	***
37A	781092		4									***					
37A	781093		7							***	-		*				
37A	781098		7									+				*	***
37A	781100		4									***					
37A	781102		5					+	*		*						
37A	781103		5		+						**					+	
37A	781108		4						***								
37A	781115		7		*		+		+		*		+				
37A	781118		5									**					*
37A	781119		5													*	**
37A	781120		6									+				*	**
37A	781126		5							+	***						
37A	781128		4		+				*		-						
37A	781131		5		+				***								
37A	781147		6							**	+		*				
37A	781152		6									**					**
37A	781153		8									**	+				***
37A	781171		7				*	+						*			*
37A	781174		4					*		*							

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	LOI	U	U-W	F-W
37A	781188		4					+	+								*
37A	781189		9	+	*		*		***								
37A	781191		5		+		+							+			*
37A	781199		8			+			+			*		*	*		
37A	781203		5			*								*	+		
37A	781205		7			+								*	*		*
37A	781207		6									***		*			
37A	781209		13			***			+						***	***	
37A	781216		4			*									*		
37A	781217		5			*								*	+		
37A	781219		6			**									*	+	
37A	781220		13	**		+	*	*		*		+	*				
37A	781222		8	***			**		+								
37A	781225		4			+			+						+	+	
37A	781228		14	**			*	***		***			+				
37A	781229		5						***					+			
37A	781230		14	***	+		***	***		+							
37A	781231		19	**	*		*	***	+	***			+				*
37A	781233		16	*	*	+	*	+	+			+	***		*		
37A	781234		6						*							*	*
37A	781236		7				+	+	*				**				
37A	781237		5	+	+				+								*
37A	781238		7					*		*					*	+	
37A	781248		4									*					*
37A	781252		5											*		+	*
37A	781264		4										***				
37A	781267		4	+	+		*										
37A	781268		4							+			**				
37A	781269		4	+			+			+			+				
37A	781272		9	***			*	*		+							
37A	781273		7	+		+		+		*			*				
37A	781276		5													**	*
37A	781279		4													*	*
37A	781280		4													*	*
37A	781282		4									***					
37A	781284		4											*		*	
37A	781286		8											+	*	**	*
37A	781287		6				*					+		+		*	
37A	781290		7	+			+	+		*			*				
37A	781294		4						*								*
37A	781314		8		***		*		+			+					
37A	781315		8					+		*	**		+	+			
37A	781316		16		***		***	***	**					+			
37A	781317		5					+		***							
37A	781320		6		*		+		+								*
37A	781323		6					**					+				*
37A	781330		10		*	+		+		+	**	+	*				
37A	781331		5							**	**						
37A	781338		5		+	+					**		+				
37A	781339		10		+		+	+			**		***				

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	LOI	U	U-W	F-W
37A	781343		15	+	**			*			***	+	***				
37A	781351		4						*								*
37A	781360		6						***								*
37A	781369		6							**	*		+				
37A	781376		5					+		*	*						
37A	781382		4	+				+		+			+				
37A	781383		6	*			*	*									
37A	781386		5	*										+	*		
37A	781387		4									+		+		*	
37A	781392		5									+		**		+	
37A	781404		5									+	*	+	+		
37A	781406		5									*		**			
37A	781410		8												***	***	
37A	781412		7	*			*	**									
37A	781413		7				+	*							***		
37A	783006		5	*			*	+									
37A	783010		4							*			*				
37A	783011		5	*						+							*
37A	783013		6	+	+	+									+	*	
37A	783016		5	+		+				+			*				
37A	783017		4									*					*
37A	783028		14	***	***		**	*							+		
37A	783029		6	+				+		*			*				
37A	783031		4	+				+		+			+				
37A	783032		9	*			+	*		*			*				
37A	783034		4									+	+				*
37A	783035		5		***				+								
37A	783037		4					+		+							*
37A	783059		9	*						*			*		+		*
37A	783067		5											***	+		
37A	783068		4											***			
37A	783070		4											+		+	*
37A	783074		4											***			
37A	783079		6			**									**		
37A	783080		7			*				**			+		+		
37A	783082		9	+		**						+			***		
37A	783084		7											***	*	+	
37A	783087		5			*				*			+				
37A	783088		7	*		***							+				
37A	783089		9	**		***							*				
37A	783090		4			*								*			
37A	783091		8									*			***	*	
37A	783092		7			+						+		+	**	+	
37A	783097		6					**		*	+						
37A	783110		11		*			*		***	*		+				
37A	783114		4		**		+										
37A	783117		8	*	+			+		*			*				
37A	783118		8	+					*						*	+	*
37A	783119		10			***			+						**	*	
37A	783123		5									*		+	*		

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	LOI	U	U-W	F-W
37A	783125		6			*						+			**		
37A	783130		4									*					*
37A	783132		4											***			
37A	783135		5			***									+		
37A	783136		6			**									+		*
37A	783138		8	+		***						+			*		
37A	783140		6			**						+			*		
37A	783148		4		**									+			
37A	783149		5	+			+							+			*
37A	783150		12	***	*		+	***		+							
37A	783152		4	**		+											
37A	783162		4									+	**				
37A	783164		11						**							***	***
37A	783166		5													*	**
37A	783167		6													**	**
37A	783171		6								***		*				
37A	783172		4		*	+						+					
37A	783199		14		***			+	*		***		**				
37A	783219		6					+			**	+	+				
37A	783220		10		+						***	+	***				
37A	783228		5		+		+	+			*						
37A	783229		11					*			***	+	***				
37A	783243		6		*				**		+						