



GEOLOGICAL SURVEY OF CANADA

OPEN FILE 2238

TILL GEOCHEMISTRY OVER THE SOUTHERN MIRAMICHI ZONE AND VICINITY, NEW BRUNSWICK

M. Lamothe

1990



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TABLE OF CONTENTS

LIST OF FIGURES	ii
LIST OF PLATES	iii
LIST OF TABLES	iv
INTRODUCTION	1
A) LOCATION AND BEDROCK GEOLOGY OF THE AREA	1
B) QUATERNARY GEOLOGY	2
C) GEOCHEMICAL METHODS AND RESULTS	4
ACKNOWLEDGMENTS	6
REFERENCES	7

LIST OF FIGURES

Figure 1. Geological map of Southern Miramichi Zone and vicinity (simplified from Carroll , 1979, and Fyffe, 1982).....	3
Figure 2. The Open File system.....	5

LIST OF PLATES (in pocket)

- Plate 1. Location of till samples, Southern Miramichi Zone (1:250 000).
- Plate 2. Location of till samples, Florenceville map sheet (NTS 21J/5; 1:50 000).
- Plate 3. Location of till samples, Coldstream map sheet (NTS 21J/6; 1:50 000).
- Plate 4. Location of till samples, Napadogan map sheet (NTS 21J/7; 1:50 000).
- Plate 5. Location of till samples, Burtts Corner map sheet (NTS J/2; 1:50 000).
- Plate 6. Location of till samples, Millville map sheet (NTS 21J/3; 1:50 000).
- Plate 7. Location of till samples, Woodstock map sheet (NTS 21J/4; 1:50 000).
- Plate 8. Location of till samples, Fosterville map sheet (NTS 21G/13; 1:50 000).
- Plate 9. Location of till samples, Canterbury map sheet (NTS 21G/14; 1:50 000).
- Plate 10. **Copper** (Cu) abundance (in ppm) in clay fraction of till, Southern Miramichi Zone.
- Plate 11. **Lead** (Pb) abundance (in ppm) in clay fraction of till, Southern Miramichi Zone.
- Plate 12. **Zinc** (Zn) abundance (in ppm) in clay fraction of till, Southern Miramichi Zone.
- Plate 13. **Tin** (Sn) abundance (in ppm) in clay fraction of till, Southern Miramichi Zone.
- Plate 14. **Tungsten** (W) abundance (in ppm) in clay fraction of till, Southern Miramichi Zone.
- Plate 15. **Arsenic** (As) abundance (in ppm) in clay fraction of till, Southern Miramichi Zone.
- Plate 16. **Uranium** (U) abundance (in ppm) in clay fraction of till, Southern Miramichi Zone.
- Plate 17. **Mercury** (Hg) abundance (in ppb) in clay fraction of till, Southern Miramichi Zone.
- Plate 18. **Arsenic** (As) abundance (in ppm) in clay plus silt fraction of till, Southern Miramichi Zone.
- Plate 19. **Antimony** (Sb) abundance (in ppm) in clay plus silt fraction of till, Southern Miramichi Zone.
- Plate 20. **Gold** (Au) abundance (in ppb) in clay plus silt fraction of till, Southern Miramichi Zone.

LIST OF TABLES

Table I.	Location of till samples, Southern Miramichi Zone, New Brunswick.....	9
Table II.	Geochemical methods, detection limits and notes to geochemical tables.	15
Table III.	Geochemistry of the clay (<2 µm) fraction of till, Southern Miramichi Zone, New Brunswick.	17
Table IV.	Geochemistry of the clay plus silt (<63 µm) fraction of till, Southern Miramichi Zone, New Brunswick.	36
Table Va.	List of duplicate analyses for selected elements (As to Mo), clay (< 2 µm) fraction of till, Southern Miramichi Zone, New Brunswick. Samples analysed by Bondar Clegg and Co. Ltd and Chemex Labs Ltd.....	53
Table Vb.	List of duplicate analyses for selected elements (Pb to Zn), clay (< 2 µm) fraction of till, Southern Miramichi Zone, New Brunswick. Samples analysed by Bondar Clegg and Co. Ltd and Chemex Labs Ltd.....	56
Table VI.	List of duplicate analyses for selected elements, clay (<2µm) fraction of till, Southern Miramichi Zone, New Brunswick. Samples analysed by Chemex Labs Ltd.	59
Table VII.	List of duplicate analyses for selected elements, clay plus silt (<63 µm) fraction of till, Southern Miramichi Zone, New Brunswick. Samples analysed by Bondar Clegg and Co. Ltd and Chemex Labs Ltd.....	60
Table VIII.	List of duplicate analyses for selected elements, clay plus silt (<63 µm) fraction of till, Southern Miramichi Zone, New Brunswick. Samples analysed by Chemex Labs Ltd.	62

INTRODUCTION

A regional till geochemical survey was initiated in Northern and Central New Brunswick, in the summer of 1985, as part of a Quaternary geology and till geochemistry project funded through the Canada-New Brunswick Mineral Development Agreement (1984-89). The main objective of this project was to study the variability of the geochemistry of till overlying rocks of the Miramichi Zone and its vicinity. Specific objectives of this project were described in Lamothe (1988).

The geochemical analyses are released as Open Files. A series of five reports present the geochemical results obtained through (1) a deep overburden drilling program in the St. John River Valley and along the Chaleur Bay coastal area (Lamothe, 1990a), (2) a detailed trenching project carried out in the vicinity of tin-bearing granites of Central New Brunswick (Lamothe, 1990b), and (3) regional geochemical surveys carried out over the Northern, Central, and Southern portions of the Miramichi Zone. The subdivision of the Miramichi Zone into three sub-zones was adopted for sake of readability of the geochemical data, since more than 3500 till samples were collected over the whole zone. It also appears that these sub-zones reflect specific geological and lithogeochemical contexts.

This report presents the results of the geochemical analyses available for the Southern part of the Miramichi Zone. This report releases the raw geochemical data without interpretation. It includes tables of geochemical results as well as a series of single-element geochemical maps at the 1: 500 000 scale. There are many factors that control the abundance of the elements of economic interest in this area (e.g. bedrock mineralization, near-surface geochemical processes, glacial dispersal etc). These variables will be assessed and discussed in a later publication.

A) LOCATION AND BEDROCK GEOLOGY OF THE AREA

Till sampling was mostly carried over the following map areas (Plates 1 to 9): Florenceville (NTS 21J/5), Coldstream (NTS 21J/6), Napadogan (NTS 21J/7), Burts Corner (NTS 21J/2), Millville (NTS 21J/3), Woodstock (NTS 21J/4), Fosterville (NTS 21G/13), and Canterbury (NTS 21G/14). The area under study is bounded by latitudes $45^{\circ}45'$ and $46^{\circ}30'$, and longitudes $66^{\circ}30'$ and $68^{\circ}00'$.

The bedrock geology of the area (Fig. 1) has been compiled from Carroll (1979) and Fyffe (1982). The central part of the area is underlain by the southernmost rocks of the Miramichi Zone (Ruitenberg *et al.*, 1977), mainly represented here by greywackes and slates of the Tetagouche Group. These rocks are bounded on their western side by volcanic and clastic rocks, and gabbros of the Tobique Group, which are part of the Tobique-Chaleur tectonostratigraphic Zone. The westernmost part of the area is underlain by Upper Ordovician to Silurian slates, limestones and calcareous sandstones of the Matapedia-Aroostook Zone. The Silurian Magaguadavic greywackes and slates are found east of the Miramichi Zone. Devonian granitic intrusions (e.g. Hawkshaw and Nashwaack granites) underlie a significant part of the central and southern portion of the study area. Red, grey, and green Mississippian and Pennsylvanian sandstones and conglomerates unconformably overlie the deformed and intrusive rocks.

The main mineral occurrences (shown as diamonds on Fig. 1) are listed on Maps NR-2 and 4 of the New Brunswick Department of Natural Resources, by type of occurrence. The most important mineralization that had been documented so far is the Sisson Brook W-Cu-Mo deposit (Ruitenberg and Fyffe, 1985). A detailed till geochemical survey was conducted over this deposit by Kidd Creek Mines Ltd and results published by Snow and Coker (1987).

B) QUATERNARY GEOLOGY

Reports on the surficial geology of the area have been published by Lee (1957, 1962), Rampton and Paradis (1981), Gadd (1973), and Seaman (1982). The Quaternary geology of the area has been synthesized by Rampton *et al.* (1984). Glacial transport and deposition were controlled by the Woodstock and Tay ice flow patterns, which were mainly in a south-southeastward direction. Older striae scattered in the Woodstock area suggest there has been an earlier episode of eastward ice flow. The thickness of the drift in the St. John Valley is in sharp contrast with the generally much thinner drift cover over the Miramichi Highlands. Along the St. John River, the thickness of the drift is commonly greater than 30 m, the general stratigraphic succession being composed of till, overlain by stratified ice-contact and marine sediments of Inland Sea Acadia. A thickness of more than 65m of till was encountered in borehole 87LFA3033 (Lamothe, 1990a), at the northern edge of the Mactaquac reservoir, located a few km west of Fredericton. Over the Miramichi Highlands, the thickness of the till sheet is in the order of 1 to 2m. The southernmost segment of the Millville/Dungarvon Moraine of Rampton and Paradis (1981) is here represented by a series of rolling and ribbed ablation moraines. A genetic link between the location of these moraines, the distribution of granitic rocks, and their susceptibility to weathering was suggested by Lamothe *et al.* (1986).

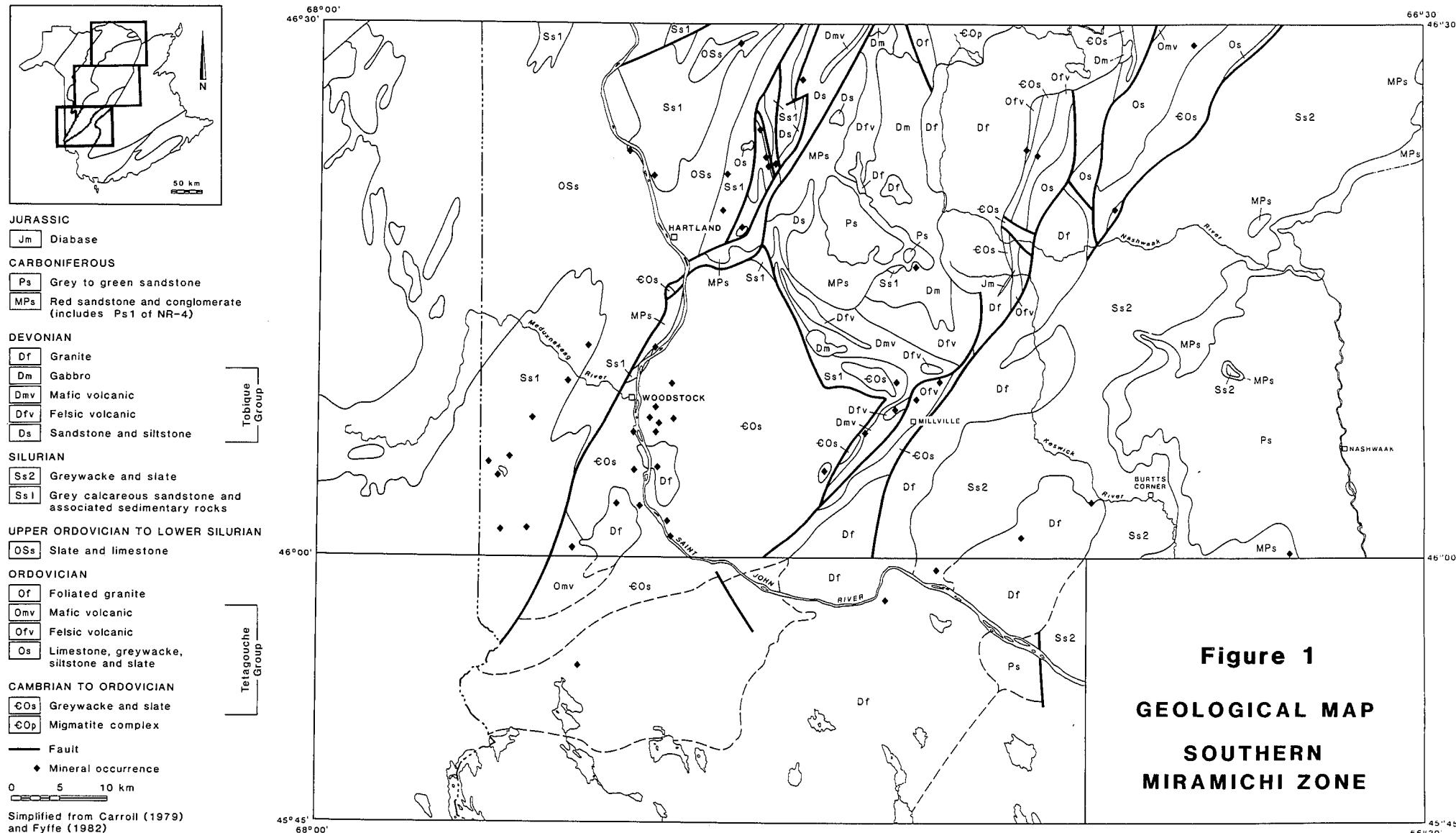


Figure 1
GEOLOGICAL MAP
SOUTHERN
MIRAMICHI ZONE

C) GEOCHEMICAL METHODS AND RESULTS

Sampling was initially carried out at roadside and natural exposures. In areas of low accessibility, traverses were made to increase the sample density to approximately 1 sample per 6 km². The location of the samples can be found on Table I and Plates 1 to 9. The results of a reconnaissance geochemical survey carried by Kettles and Wyatt (1985) are included in this report (code KAR). The clay plus silt (<63 µm) fraction of the KAR samples have been reanalysed for Au, Sb, and As.

The organization of this report is illustrated on Figure 2. Anomalous samples can be quickly located from any 1:500 000 geochemical map and/or the corresponding geochemical analysis (Tables III and IV) using the 1:250 000 location map (Plate 1) from which the 1:50 000 map sheet can be identified. Each sample is plotted on the individual 1:50 000 map sheets (Plates 2 to 9) and located with respect to the UTM grid in Table I.

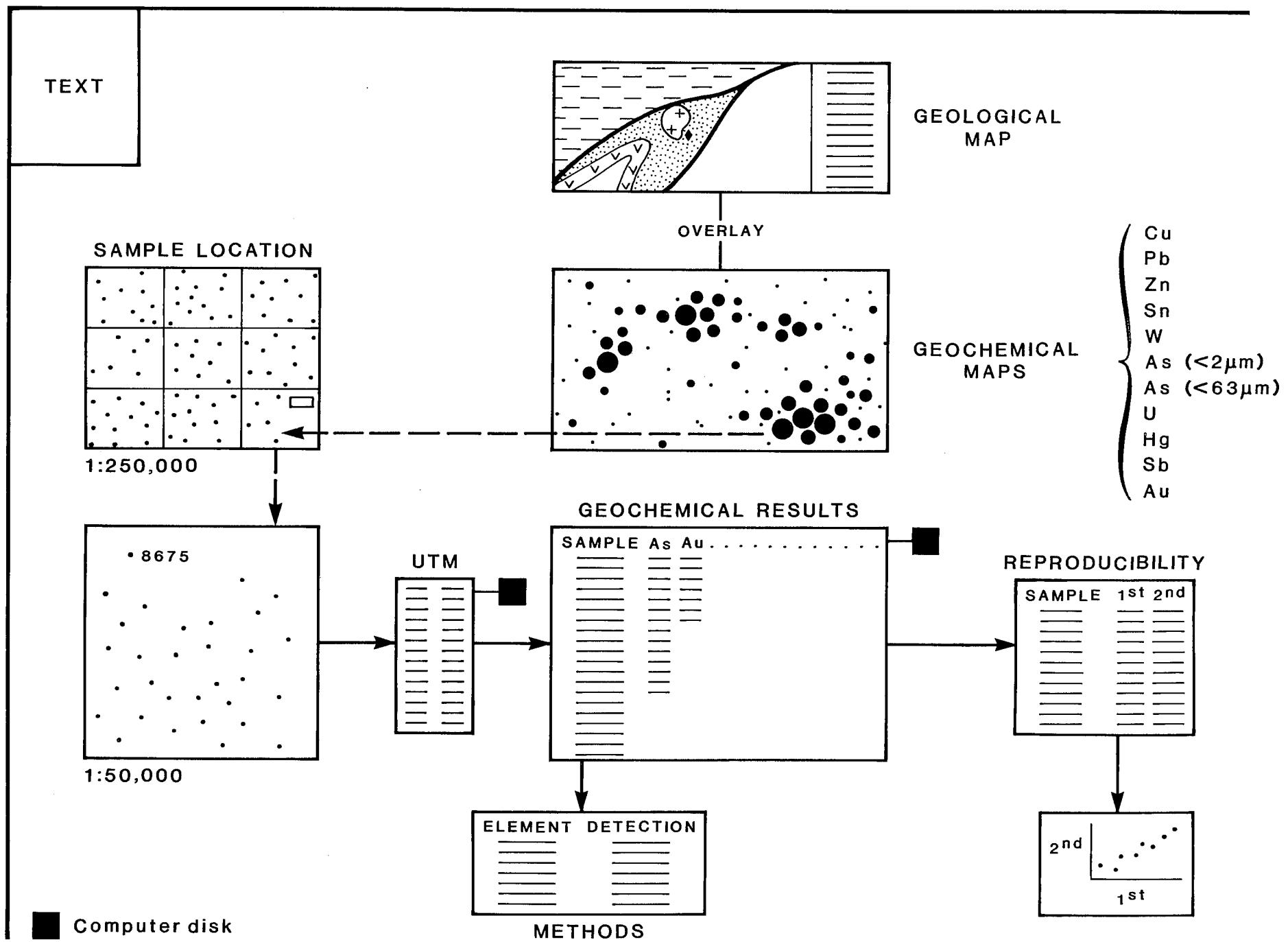
Samples were initially sent to the Sedimentology and Mineral Tracing Laboratory of the Terrain Sciences Division (Geological Survey of Canada), in Ottawa. From there, the samples were shipped to Bondar Clegg and Co. Ltd until 1986, and to Chemex Labs Ltd for samples collected thereafter. The change in analytical facilities was the result of contracting-out via competitive bidding. This might have caused problems in comparisons of pre- and post-1986 data. After pulp preparation, the samples were sent to the GSC for preparation of duplicates. The pulp samples were then shipped back to the analytical laboratories for geochemical analysis.

Two grain-size fractions were analysed for each till sample. The clay-sized (<2 µm) fraction was analysed for Ag, As, Co, Cr, Cu, F, Fe, Hg, Mn, Mo, Na, Ni, Pb, Sn, U, W, and Zn (873 analyses; 704 sites). It was shown by Shilts (1984) that most of the base metals will be concentrated in the fine-grained fraction of the till. The clay plus silt (<63 µm) fraction was analysed for As, Au, Co, Cr, Fe, Hg, Mo, Ni, Sb, Th, U, and W (799 analyses; 690 sites). This granulometric fraction is thought to be more reliable for gold and antimony (DiLabio, 1982; Gleeson *et al.*, 1984). The geochemical methods and detection limits for each element will be found in Table II. The geochemical results are presented in Tables III and IV. Because many samples have been analysed more than once, reproducibility of the geochemical analyses and inter-laboratory comparisons could be assessed (Tables V to VIII).

Single-element geochemical maps (scale 1:500 000) are presented on Plates 10 to 20. The averaged geochemical results for each sampling site were used for processing maps and statistics. Half of the detection limit was used as the value for samples in which a specific element was not detected.

Figure 2

THE OPEN FILE SYSTEM



The regional single-element geochemical abundance is superimposed on the bedrock geology, simplified from Carroll (1979) and Fyffe (1982). On the maps, the abundance of any element is proportional to the size of a logarithmically-scaled dot. The plotting of the dots is such that a low abundance sample is not obscured by a nearby high abundance sample. Data processing was insured by Terrain Sciences Division through a contract with Northwood Geoscience Inc. (Ottawa), and its own computer facilities. A normal probability plot, a simple frequency histogram, and a diagram illustrating the reproducibility of the data are included on each map.

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TABLE I : LOCATION OF TILL SAMPLES, SOUTHERN MIRAMICHI ZONE, NEW BRUNSWICK

sample site	Zone	easting	northing	Map	sample site	Zone	easting	northing	Map	sample site	Zone	easting	northing	Map
87LFA 8165	19	608900	5093600	21G/13	88LFA 0136	19	607600	5077500	21G/13	87LFA 8259	19	617100	5079600	21G/14
87LFA 8166	19	610900	5093750	21G/13	88LFA 0137	19	608800	5090125	21G/13	87LFA 8260	19	618350	5081750	21G/14
87LFA 8167	19	613000	5090000	21G/13	88LFA 0138	19	601200	5089350	21G/13	87LFA 8261	19	616650	5082700	21G/14
87LFA 8169	19	609500	5088100	21G/13	88LFA 0140	19	597400	5091850	21G/13	83KAR 1506	19	661650	5098000	21J/02
87LFA 8170	19	611700	5086100	21G/13	83KAR 1528	19	653100	5092450	21G/14	83KAR 1507	19	661810	5103325	21J/02
87LFA 8171	19	613500	5085000	21G/13	83KAR 1529	19	654200	5088700	21G/14	85LFA 0008	19	660200	5103700	21J/02
87LFA 8172	19	615500	5084500	21G/13	83KAR 1530	19	650600	5088300	21G/14	85LFA 0010	19	654800	5103800	21J/02
87LFA 8173	19	612200	5083800	21G/13	83KAR 1531	19	646000	5091550	21G/14	85LFA 0016	19	662900	5115400	21J/02
87LFA 8174	19	609700	5084300	21G/13	83KAR 1532	19	641550	5093250	21G/14	85LFA 0100	19	666750	5106250	21J/02
87LFA 8175	19	607800	5084450	21G/13	83KAR 1533	19	627850	5091300	21G/14	85LFA 0101	19	667950	5109600	21J/02
87LFA 8176	19	603800	5088600	21G/13	83KAR 1536	19	618450	5093500	21G/14	85LFA 0103	19	665200	5114700	21J/02
87LFA 8177	19	603850	5090450	21G/13	83KAR 1537	19	617900	5090400	21G/14	85LFA 0105	19	661200	5116100	21J/02
87LFA 8178	19	602900	5092200	21G/13	83KAR 1538	19	619300	5083200	21G/14	85LFA 0106	19	658850	5119650	21J/02
87LFA 8179	19	606850	5088600	21G/13	83KAR 1557	19	617300	5083750	21G/14	85LFA 0107	19	656400	5122300	21J/02
87LFA 8181	19	605900	5091300	21G/13	83KAR 1558	19	619300	5078850	21G/14	85LFA 0111	19	671200	5112300	21J/02
87LFA 8182	19	606200	5086650	21G/13	83KAR 1559	19	619850	5073500	21G/14	85LFA 0112	19	669000	5120200	21J/02
87LFA 8183	19	604550	5093300	21G/13	83KAR 1560	19	619700	5071850	21G/14	86LFA 0005	19	659800	5104700	21J/02
87LFA 8184	19	600750	5093700	21G/13	83KAR 1562	19	626850	5083200	21G/14	86LFA 0006	19	659350	5104000	21J/02
87LFA 8185	19	601500	5082050	21G/13	83KAR 1563	19	626200	5089650	21G/14	86LFA 0007	19	659550	5105650	21J/02
87LFA 8186	19	598400	5079800	21G/13	83KAR 1564	19	648750	5081600	21G/14	86LFA 0008	19	661050	5103800	21J/02
87LFA 8187	19	598700	5082750	21G/13	83KAR 1565	19	651700	5073100	21G/14	86LFA 0011	19	657400	5103250	21J/02
87LFA 8188	19	596500	5082000	21G/13	83KAR 1566	19	643300	5073000	21G/14	86LFA 0012	19	658950	5100600	21J/02
87LFA 8189	19	595200	5079550	21G/13	83KAR 1567	19	644500	5074300	21G/14	86LFA 0013	19	658700	5102050	21J/02
87LFA 8190	19	606250	5082850	21G/13	83KAR 1568	19	650750	5085500	21G/14	86LFA 0014	19	661100	5099050	21J/02
87LFA 8262	19	615800	5081550	21G/13	83KAR 1569	19	644450	5089450	21G/14	86LFA 0015	19	662100	5097350	21J/02
87LFA 8263	19	614660	5079250	21G/13	83KAR 1570	19	633100	5086900	21G/14	86LFA 0016	19	664100	5097550	21J/02
87LFA 8264	19	613300	5077200	21G/13	83KAR 1571	19	634050	5082750	21G/14	86LFA 0017	19	663650	5100800	21J/02
87LFA 8265	19	615350	5077200	21G/13	87LFA 8191	19	623200	5086850	21G/14	86LFA 0018	19	662950	5099550	21J/02
87LFA 8266	19	612950	5079200	21G/13	87LFA 8192	19	618300	5086200	21G/14	86LFA 0019	19	663100	5103700	21J/02
87LFA 8267	19	611850	5075650	21G/13	87LFA 8193	19	617900	5088250	21G/14	86LFA 0020	19	661900	5103200	21J/02
87LFA 8268	19	610200	5074750	21G/13	87LFA 8229	19	622950	5093400	21G/14	86LFA 0021	19	656500	5114200	21J/02
87LFA 8269	19	611450	5073450	21G/13	87LFA 8242	19	618050	5093900	21G/14	86LFA 0022	19	657300	5113700	21J/02
87LFA 8400	19	609400	5074600	21G/13	87LFA 8243	19	618450	5092200	21G/14	86LFA 0023	19	658150	5114200	21J/02
87LFA 8401	19	610000	5071250	21G/13	87LFA 8245	19	616650	5091250	21G/14	86LFA 0024	19	656600	5112250	21J/02
87LFA 8402	19	608400	5068400	21G/13	87LFA 8246	19	618650	5090750	21G/14	86LFA 0025	19	656000	5110200	21J/02
87LFA 8403	19	606400	5069500	21G/13	87LFA 8247	19	620300	5089800	21G/14	86LFA 0026	19	659000	5111400	21J/02
87LFA 8404	19	604550	5069700	21G/13	87LFA 8249	19	621850	5086600	21G/14	86LFA 0027	19	660700	5106600	21J/02
87LFA 8405	19	602700	5068400	21G/13	87LFA 8250	19	639650	5094400	21G/14	86LFA 0028	19	663625	5107800	21J/02
87LFA 8406	19	602200	5070650	21G/13	87LFA 8251	19	640800	5094900	21G/14	86LFA 0145	19	664675	5121125	21J/02
87LFA 8407	19	597600	5073700	21G/13	87LFA 8252	19	641600	5093250	21G/14	86LFA 0146	19	662050	5121825	21J/02
87LFA 8408	19	595300	5073800	21G/13	87LFA 8253	19	643450	5094500	21G/14	86LFA 0147	19	662750	5119825	21J/02
87LFA 8409	19	599200	5076400	21G/13	87LFA 8254	19	635200	5092350	21G/14	86LFA 0148	19	662150	5118200	21J/02
87LFA 8410	19	601200	5076800	21G/13	87LFA 8255	19	626150	5093100	21G/14	86LFA 0150	19	658050	5121125	21J/02
87LFA 8411	19	602000	5079000	21G/13	87LFA 8256	19	621650	5089150	21G/14	86LFA 0151	19	660150	5117400	21J/02
87LFA 8412	19	603400	5076200	21G/13	87LFA 8257	19	623750	5091500	21G/14	86LFA 0153	19	658200	5122900	21J/02
88LFA 0135	19	615800	5088650	21G/13	87LFA 8258	19	622300	5090850	21G/14	86LFA 0154	19	655300	5120575	21J/02

sample	site	Zone	easting	northing	Map	sample	site	Zone	easting	northing	Map	sample	site	Zone	easting	northing	Map
87LFA	8259	19	617100	5079600	21G/14	86LFA	0156	19	668200	5122500	21J/02	85LFA	0009	19	654500	5107300	21J/03
87LFA	8260	19	618350	5081750	21G/14	87LFA	8142	19	657200	5099600	21J/02	85LFA	0011	19	647700	5116300	21J/03
87LFA	8261	19	616650	5082700	21G/14	87LFA	8143	19	655800	5096400	21J/02	85LFA	0012	19	649300	5119200	21J/03
83KAR	1506	19	661650	5098000	21J/02	87LFA	8144	19	655950	5099150	21J/02	85LFA	0014	19	651750	5123400	21J/03
83KAR	1507	19	661810	5103325	21J/02	87LFA	8199	19	667200	5120900	21J/02	85LFA	0019	19	642500	5114400	21J/03
85LFA	0008	19	660200	5103700	21J/02	83KAR	1486	19	621380	5111110	21J/03	85LFA	0020	19	635300	5120400	21J/03
85LFA	0010	19	654800	5103800	21J/02	83KAR	1487	19	627100	5108110	21J/03	85LFA	0021	19	632600	5122800	21J/03
85LFA	0016	19	662900	5115400	21J/02	83KAR	1488	19	630000	5107850	21J/03	85LFA	0099	19	639950	5102450	21J/03
85LFA	0100	19	666750	5106250	21J/02	83KAR	1489	19	633500	5108410	21J/03	85LFA	0201	19	635300	5120400	21J/03
85LFA	0101	19	667950	5109600	21J/02	83KAR	1490	19	636500	5112200	21J/03	85LFA	0579	19	634700	5102200	21J/03
85LFA	0103	19	665200	5114700	21J/02	83KAR	1491	19	632700	5118750	21J/03	86LFA	0030	19	649050	5103750	21J/03
85LFA	0105	19	661200	5116100	21J/02	83KAR	1492	19	636350	5115100	21J/03	86LFA	0031	19	646750	5104550	21J/03
85LFA	0106	19	658850	5119650	21J/02	83KAR	1493	19	641025	5111650	21J/03	86LFA	0032	19	644700	5105550	21J/03
85LFA	0107	19	656400	5122300	21J/02	83KAR	1494	19	640220	5108730	21J/03	86LFA	0033	19	646450	5107600	21J/03
85LFA	0111	19	671200	5112300	21J/02	83KAR	1495	19	650800	5120580	21J/03	86LFA	0034	19	647750	5108600	21J/03
85LFA	0112	19	669000	5120200	21J/02	83KAR	1496	19	649220	5119100	21J/03	86LFA	0035	19	647850	5106500	21J/03
86LFA	0005	19	659800	5104700	21J/02	83KAR	1497	19	647850	5116420	21J/03	86LFA	0036	19	651050	5106750	21J/03
86LFA	0006	19	659350	5104000	21J/02	83KAR	1498	19	645850	5114400	21J/03	86LFA	0037	19	650050	5105450	21J/03
86LFA	0007	19	659550	5105650	21J/02	83KAR	1499	19	645400	5109950	21J/03	86LFA	0039	19	642500	5106600	21J/03
86LFA	0008	19	661050	5103800	21J/02	83KAR	1500	19	642700	5107600	21J/03	86LFA	0040	19	643250	5104550	21J/03
86LFA	0011	19	657400	5103250	21J/02	83KAR	1501	19	647625	5108540	21J/03	86LFA	0041	19	642750	5102100	21J/03
86LFA	0012	19	658950	5100600	21J/02	83KAR	1502	19	652000	5106180	21J/03	86LFA	0042	19	642200	5099250	21J/03
86LFA	0013	19	658700	5102050	21J/02	83KAR	1503	19	653850	5103720	21J/03	86LFA	0043	19	641350	5097400	21J/03
86LFA	0014	19	661100	5099050	21J/02	83KAR	1510	19	618170	5116400	21J/03	86LFA	0044	19	643800	5100700	21J/03
86LFA	0015	19	662100	5097350	21J/02	83KAR	1511	19	619850	5115150	21J/03	86LFA	0045	19	644400	5099050	21J/03
86LFA	0016	19	664100	5097550	21J/02	83KAR	1512	19	624000	5116600	21J/03	86LFA	0048	19	645900	5100050	21J/03
86LFA	0017	19	663650	5100800	21J/02	83KAR	1513	19	621410	5116210	21J/03	86LFA	0141	19	650600	5101900	21J/03
86LFA	0018	19	662950	5099550	21J/02	83KAR	1514	19	615900	5118325	21J/03	86LFA	0142	19	648050	5099000	21J/03
86LFA	0019	19	663100	5103700	21J/02	83KAR	1515	19	622925	5109580	21J/03	86LFA	0143	19	650200	5097750	21J/03
86LFA	0020	19	661900	5103200	21J/02	83KAR	1516	19	629150	5103250	21J/03	86LFA	0144	19	653650	5095750	21J/03
86LFA	0021	19	656500	5114200	21J/02	83KAR	1517	19	629550	5099380	21J/03	87LFA	0330	19	629250	5103400	21J/03
86LFA	0022	19	657300	5113700	21J/02	83KAR	1518	19	630300	5097950	21J/03	87LFA	0331	19	631600	5104600	21J/03
86LFA	0023	19	658150	5114200	21J/02	83KAR	1519	19	634600	5096750	21J/03	87LFA	0332	19	634650	5103600	21J/03
86LFA	0024	19	656600	5112250	21J/02	83KAR	1520	19	634850	5095900	21J/03	87LFA	0333	19	631600	5101050	21J/03
86LFA	0025	19	656000	5110200	21J/02	83KAR	1521	19	634575	5103500	21J/03	87LFA	0334	19	629800	5101900	21J/03
86LFA	0026	19	659000	5111400	21J/02	83KAR	1522	19	636500	5101400	21J/03	87LFA	0336	19	628000	5102250	21J/03
86LFA	0027	19	660700	5106600	21J/02	83KAR	1523	19	636500	5103750	21J/03	87LFA	0337	19	629450	5099700	21J/03
86LFA	0028	19	663625	5107800	21J/02	83KAR	1524	19	643150	5104150	21J/03	87LFA	0338	19	630750	5097850	21J/03
86LFA	0145	19	664675	5121125	21J/02	83KAR	1525	19	642250	5099325	21J/03	87LFA	0339	19	632200	5097650	21J/03
86LFA	0146	19	662050	5121825	21J/02	83KAR	1526	19	646800	5099550	21J/03	87LFA	0340	19	634350	5097200	21J/03
86LFA	0147	19	662750	5119825	21J/02	83KAR	1527	19	653700	5095825	21J/03	87LFA	0341	19	637350	5101500	21J/03
86LFA	0148	19	662150	5118200	21J/02	85LFA	0001	19	636500	5112300	21J/03	87LFA	0342	19	636400	5103750	21J/03
86LFA	0150	19	658050	5121125	21J/02	85LFA	0002	19	645400	5112400	21J/03	87LFA	0343	19	637200	5105150	21J/03
86LFA	0151	19	660150	5117400	21J/02	85LFA	0003	19	647800	5102500	21J/03	87LFA	0344	19	638350	5107450	21J/03
86LFA	0153	19	658200	5122900	21J/02	85LFA	0004	19	647600	5100800	21J/03	87LFA	0345	19	640300	5108700	21J/03
86LFA	0154	19	655300	5120575	21J/02	85LFA	0005	19	650000	5100750	21J/03	87LFA	0346	19	636800	5097900	21J/03

sample site	Zone	easting	northing	Map	sample site	Zone	easting	northing	Map	sample site	Zone	easting	northing	Map
87LFA 0347	19	636600	5099450	21J/03	87LFA 8015	19	629500	5114000	21J/03	83KAR 1470	19	597575	5119675	21J/04
87LFA 0348	19	638350	5098900	21J/03	87LFA 8016	19	629400	5115800	21J/03	83KAR 1471	19	599400	5116125	21J/04
87LFA 0349	19	638950	5100800	21J/03	87LFA 8017	19	631800	5113000	21J/03	83KAR 1472	19	596600	5114600	21J/04
87LFA 0350	19	640000	5102650	21J/03	87LFA 8018	19	619600	5105300	21J/03	83KAR 1473	19	602075	5112175	21J/04
87LFA 0351	19	640600	5105000	21J/03	87LFA 8019	19	618600	5107300	21J/03	83KAR 1474	19	596100	5110540	21J/04
87LFA 0352	19	643550	5108400	21J/03	87LFA 8020	19	618400	5110200	21J/03	83KAR 1475	19	598680	5103950	21J/04
87LFA 0353	19	645100	5109750	21J/03	87LFA 8021	19	616100	5112500	21J/03	83KAR 1476	19	600750	5098470	21J/04
87LFA 0354	19	640400	5110600	21J/03	87LFA 8022	19	623900	5107000	21J/03	83KAR 1477	19	603000	5103000	21J/04
87LFA 0364	19	632100	5116900	21J/03	87LFA 8023	19	625200	5105600	21J/03	83KAR 1478	19	605000	5106200	21J/04
87LFA 0365	19	629850	5119000	21J/03	87LFA 8024	19	626200	5103600	21J/03	83KAR 1479	19	607950	5108075	21J/04
87LFA 0366	19	627850	5121800	21J/03	87LFA 8025	19	627000	5100500	21J/03	83KAR 1480	19	610825	5101075	21J/04
87LFA 0367	19	627950	5122550	21J/03	87LFA 8026	19	627600	5098100	21J/03	83KAR 1481	19	605950	5099450	21J/04
87LFA 0368	19	645450	5112650	21J/03	87LFA 8027	19	627700	5095700	21J/03	83KAR 1482	19	605350	5096900	21J/04
87LFA 0369	19	647150	5117150	21J/03	87LFA 8028	19	629600	5095500	21J/03	83KAR 1483	19	609450	5095150	21J/04
87LFA 0370	19	650950	5121750	21J/03	87LFA 8030	19	620200	5095300	21J/03	83KAR 1484	19	613800	5095700	21J/04
87LFA 0643	19	623900	5110900	21J/03	87LFA 8031	19	620300	5097300	21J/03	83KAR 1485	19	615450	5112500	21J/04
87LFA 0644	19	625500	5109700	21J/03	87LFA 8032	19	619200	5099000	21J/03	83KAR 1508	19	612575	5115860	21J/04
87LFA 0645	19	627300	5108000	21J/03	87LFA 8034	19	620500	5120800	21J/03	83KAR 1509	19	614770	5114780	21J/04
87LFA 0646	19	633550	5106200	21J/03	87LFA 8100	19	633700	5120550	21J/03	83KAR 1534	19	615025	5108075	21J/04
87LFA 0647	19	623450	5108900	21J/03	87LFA 8101	19	634650	5122650	21J/03	83KAR 1535	19	611000	5111225	21J/04
87LFA 0648	19	634200	5111850	21J/03	87LFA 8102	19	633050	5122450	21J/03	83KAR 1552	19	596125	5097600	21J/04
87LFA 0649	19	633050	5110100	21J/03	87LFA 8103	19	635350	5120850	21J/03	87LFA 0493	19	610900	5101000	21J/04
87LFA 0656	19	630400	5110800	21J/03	87LFA 8104	19	637400	5120900	21J/03	87LFA 0494	19	608800	5100500	21J/04
87LFA 0663	19	623200	5102250	21J/03	87LFA 8105	19	638800	5121000	21J/03	87LFA 0495	19	606500	5100050	21J/04
87LFA 0820	19	616700	5105150	21J/03	87LFA 8106	19	634800	5118750	21J/03	87LFA 0496	19	605700	5097750	21J/04
87LFA 0823	19	617350	5116200	21J/03	87LFA 8107	19	637500	5118500	21J/03	87LFA 0497	19	607000	5096200	21J/04
87LFA 0824	19	619350	5116700	21J/03	87LFA 8109	19	639000	5110100	21J/03	87LFA 0498	19	610000	5095000	21J/04
87LFA 0825	19	621350	5116400	21J/03	87LFA 8110	19	646750	5110700	21J/03	87LFA 0499	19	612250	5095700	21J/04
87LFA 0826	19	623200	5115000	21J/03	87LFA 8111	19	646850	5113250	21J/03	87LFA 0800	19	613800	5095800	21J/04
87LFA 0827	19	617500	5103750	21J/03	87LFA 8112	19	649050	5115300	21J/03	87LFA 0801	19	608300	5096700	21J/04
87LFA 0830	19	619250	5111750	21J/03	87LFA 8113	19	650750	5114200	21J/03	87LFA 0802	19	611200	5099250	21J/04
87LFA 0831	19	621050	5111200	21J/03	87LFA 8114	19	652300	5113300	21J/03	87LFA 0804	19	609800	5098700	21J/04
87LFA 8000	19	618400	5113700	21J/03	87LFA 8115	19	650850	5119800	21J/03	87LFA 0807	19	608450	5098750	21J/04
87LFA 8002	19	621800	5113500	21J/03	87LFA 8116	19	649050	5122600	21J/03	87LFA 0808	19	608350	5100500	21J/04
87LFA 8003	19	622800	5112100	21J/03	87LFA 8117	19	647700	5123350	21J/03	87LFA 0809	19	612950	5097700	21J/04
87LFA 8004	19	624900	5118100	21J/03	87LFA 8222	19	616300	5101700	21J/03	87LFA 0810	19	615100	5096600	21J/04
87LFA 8005	19	623800	5119900	21J/03	87LFA 8225	19	617800	5095300	21J/03	87LFA 0811	19	615900	5097900	21J/04
87LFA 8006	19	625900	5119800	21J/03	87LFA 8227	19	617400	5096950	21J/03	87LFA 0812	19	612350	5110900	21J/04
87LFA 8007	19	625100	5121500	21J/03	87LFA 8230	19	623800	5095400	21J/03	87LFA 0813	19	613400	5110050	21J/04
87LFA 8008	19	625000	5122800	21J/03	88LFA 0005	19	620350	5109700	21J/03	87LFA 0817	19	614400	5108700	21J/04
87LFA 8009	19	619800	5115000	21J/03	88LFA 0006	19	623350	5105650	21J/03	87LFA 0818	19	615600	5106900	21J/04
87LFA 8010	19	624600	5116200	21J/03	88LFA 0007	19	636250	5110700	21J/03	87LFA 0821	19	613250	5114900	21J/04
87LFA 8011	19	616100	5118300	21J/03	83KAR 1466	19	613900	5119850	21J/04	87LFA 0822	19	615700	5115100	21J/04
87LFA 8012	19	626400	5110700	21J/03	83KAR 1467	19	607000	5117450	21J/04	87LFA 0829	19	615050	5112400	21J/04
87LFA 8013	19	629500	5107500	21J/03	83KAR 1468	19	601540	5120580	21J/04	87LFA 0910	19	608950	5116900	21J/04
87LFA 8014	19	631800	5108100	21J/03	83KAR 1469	19	597750	5121920	21J/04	87LFA 0911	19	610800	5117950	21J/04

sample	site	Zone	easting	northing	Map	sample	site	Zone	easting	northing	Map	sample	site	Zone	easting	northing	Map
87LFA	0912	19	611400	5119800	21J/04	88LFA	0001	19	596900	5101150	21J/04	85LFA	0109	19	652300	5130200	21J/06
87LFA	0913	19	611400	5119800	21J/04	88LFA	0002	19	596500	5099200	21J/04	85LFA	0132	19	649400	5150400	21J/06
87LFA	8095	19	609000	5121550	21J/04	88LFA	0003	19	604300	5117900	21J/04	85LFA	0133	19	649200	5146800	21J/06
87LFA	8096	19	603700	5115700	21J/04	88LFA	0004	19	604400	5102100	21J/04	85LFA	0134	19	645350	5146250	21J/06
87LFA	8097	19	603550	5117550	21J/04	88LFA	0144	19	599950	5114100	21J/04	85LFA	0135	19	641800	5141000	21J/06
87LFA	8098	19	602450	5119750	21J/04	88LFA	0145	19	600800	5105650	21J/04	85LFA	0136	19	641100	5137400	21J/06
87LFA	8099	19	605750	5114550	21J/04	83KAR	1400	19	605200	5126250	21J/05	86LFA	0067	19	649150	5148800	21J/06
87LFA	8200	19	607700	5110250	21J/04	83KAR	1401	19	602900	5127450	21J/05	86LFA	0068	19	647400	5145700	21J/06
87LFA	8201	19	608100	5107800	21J/04	83KAR	1402	19	595550	5130650	21J/05	86LFA	0069	19	643800	5145050	21J/06
87LFA	8202	19	606400	5106200	21J/04	83KAR	1403	19	604250	5133850	21J/05	86LFA	0070	19	642750	5141900	21J/06
87LFA	8203	19	606500	5103500	21J/04	83KAR	1404	19	605650	5137150	21J/05	86LFA	0071	19	639850	5142100	21J/06
87LFA	8204	19	610250	5103450	21J/04	83KAR	1405	19	607500	5138150	21J/05	86LFA	0072	19	639250	5143350	21J/06
87LFA	8205	19	609350	5102300	21J/04	83KAR	1406	19	602450	5143450	21J/05	86LFA	0073	19	638850	5144250	21J/06
87LFA	8206	19	604900	5095750	21J/04	83KAR	1407	19	595850	5142500	21J/05	86LFA	0112	19	653650	5124900	21J/06
87LFA	8207	19	602900	5097600	21J/04	83KAR	1408	19	596800	5143540	21J/05	86LFA	0126	19	653600	5146250	21J/06
87LFA	8208	19	603500	5100500	21J/04	83KAR	1409	19	599700	5148700	21J/05	87LFA	0118	19	652400	5130700	21J/06
87LFA	8209	19	615300	5110500	21J/04	83KAR	1417	19	606500	5145700	21J/05	87LFA	0119	19	652750	5132400	21J/06
87LFA	8210	19	609400	5114250	21J/04	83KAR	1442	19	611450	5134350	21J/05	87LFA	0120	19	651500	5132600	21J/06
87LFA	8217	19	607250	5105050	21J/04	83KAR	1443	19	613900	5136460	21J/05	87LFA	0121	19	651300	5134350	21J/06
87LFA	8220	19	613200	5100350	21J/04	83KAR	1444	19	611930	5139500	21J/05	87LFA	0122	19	652100	5131100	21J/06
87LFA	8221	19	614750	5100800	21J/04	83KAR	1445	19	612650	5147100	21J/05	87LFA	0123	19	653800	5130400	21J/06
87LFA	8223	19	614800	5099000	21J/04	83KAR	1446	19	613650	5147100	21J/05	87LFA	0124	19	652900	5130300	21J/06
87LFA	8231	19	606300	5108300	21J/04	83KAR	1465	19	608900	5123750	21J/05	87LFA	0125	19	653100	5131100	21J/06
87LFA	8233	19	604000	5108000	21J/04	83KAR	1447	19	620400	5143340	21J/06	87LFA	0126	19	649500	5137600	21J/06
87LFA	8234	19	603750	5105900	21J/04	83KAR	1448	19	624700	5144350	21J/06	87LFA	0127	19	650500	5137200	21J/06
87LFA	8235	19	603800	5103300	21J/04	83KAR	1449	19	624850	5146000	21J/06	87LFA	0128	19	650400	5136400	21J/06
87LFA	8237	19	598750	5104200	21J/04	83KAR	1450	19	630660	5145775	21J/06	87LFA	0129	19	648800	5138100	21J/06
87LFA	8240	19	599150	5101150	21J/04	83KAR	1451	19	620800	5148300	21J/06	87LFA	0130	19	651900	5135200	21J/06
87LFA	8241	19	600800	5102000	21J/04	83KAR	1452	19	616100	5143625	21J/06	87LFA	0131	19	649550	5136700	21J/06
87LFA	8300	19	595800	5116500	21J/04	83KAR	1453	19	618500	5137800	21J/06	87LFA	0132	19	648800	5136850	21J/06
87LFA	8301	19	597900	5115600	21J/04	83KAR	1454	19	629200	5137000	21J/06	87LFA	0133	19	649250	5136200	21J/06
87LFA	8302	19	603400	5112150	21J/04	83KAR	1455	19	624000	5133850	21J/06	87LFA	0134	19	648300	5135500	21J/06
87LFA	8303	19	600250	5112000	21J/04	83KAR	1456	19	624050	5135200	21J/06	87LFA	0135	19	649900	5135800	21J/06
87LFA	8304	19	597250	5112200	21J/04	83KAR	1458	19	628350	5137275	21J/06	87LFA	0136	19	653400	5134700	21J/06
87LFA	8305	19	595200	5110100	21J/04	83KAR	1459	19	626250	5137900	21J/06	87LFA	0137	19	649100	5133800	21J/06
87LFA	8306	19	598500	5110500	21J/04	83KAR	1460	19	626350	5128550	21J/06	87LFA	0138	19	651400	5128600	21J/06
87LFA	8307	19	601350	5108550	21J/04	83KAR	1461	19	626250	5126600	21J/06	87LFA	0139	19	650100	5129450	21J/06
87LFA	8308	19	601650	5110600	21J/04	83KAR	1462	19	625850	5125840	21J/06	87LFA	0142	19	651400	5130200	21J/06
87LFA	8309	19	594300	5104200	21J/04	83KAR	1463	19	620700	5126750	21J/06	87LFA	0143	19	650200	5135200	21J/06
87LFA	8310	19	597000	5105200	21J/04	83KAR	1464	19	617150	5127250	21J/06	87LFA	0144	19	651400	5128601	21J/06
87LFA	8311	19	597500	5107250	21J/04	85LFA	0017	19	650500	5137000	21J/06	87LFA	0145	19	651400	5128602	21J/06
87LFA	8312	19	595200	5106550	21J/04	85LFA	0022	19	636000	5125600	21J/06	87LFA	0146	19	651400	5128603	21J/06
87LFA	8313	19	595850	5108500	21J/04	85LFA	0023	19	637125	5126100	21J/06	87LFA	0147	19	652900	5132600	21J/06
87LFA	8314	19	595300	5101400	21J/04	85LFA	0024	19	641500	5127700	21J/06	87LFA	8035	19	625600	5126300	21J/06
87LFA	8315	19	594550	5099600	21J/04	85LFA	0036	19	651850	5148850	21J/06	87LFA	8036	19	623600	5125900	21J/06
87LFA	8316	19	598900	5097900	21J/04	85LFA	0108	19	652500	5125400	21J/06	87LFA	8037	19	620800	5126900	21J/06

sample site	Zone	easting	northing	Map	sample site	Zone	easting	northing	Map	sample site	Zone	easting	northing	Map
87LFA 8038	19	619000	5127800	21J/06	87LFA 8086	19	653300	5144200	21J/06	88LFA 0050	19	632500	5135700	21J/06
87LFA 8039	19	618400	5129800	21J/06	87LFA 8087	19	652650	5145450	21J/06	88LFA 0051	19	632700	5134250	21J/06
87LFA 8040	19	619300	5131800	21J/06	87LFA 8088	19	650125	5144000	21J/06	88LFA 0119	19	631200	5144250	21J/06
87LFA 8041	19	621900	5131500	21J/06	87LFA 8089	19	651100	5142500	21J/06	88LFA 0120	19	626500	5134800	21J/06
87LFA 8042	19	623900	5129700	21J/06	87LFA 8090	19	652300	5140800	21J/06	88LFA 0121	19	628125	5130200	21J/06
87LFA 8043	19	624500	5128100	21J/06	87LFA 8118	19	617400	5147800	21J/06	88LFA 0122	19	630400	5125600	21J/06
87LFA 8044	19	625000	5133700	21J/06	87LFA 8119	19	618400	5149300	21J/06	88LFA 0123	19	640400	5140500	21J/06
87LFA 8045	19	624900	5136800	21J/06	87LFA 8120	19	625600	5150400	21J/06	88LFA 0126	19	639500	5139000	21J/06
87LFA 8046	19	626500	5138300	21J/06	87LFA 8121	19	627500	5149250	21J/06	88LFA 0127	19	639250	5134500	21J/06
87LFA 8047	19	649250	5150700	21J/06	87LFA 8122	19	621800	5144500	21J/06	88LFA 0128	19	643050	5133750	21J/06
87LFA 8048	19	649200	5147100	21J/06	87LFA 8123	19	621300	5145700	21J/06	88LFA 0129	19	647300	5124250	21J/06
87LFA 8049	19	646900	5148950	21J/06	87LFA 8124	19	618350	5146000	21J/06	88LFA 0130	19	644150	5125700	21J/06
87LFA 8050	19	645750	5147100	21J/06	87LFA 8125	19	618700	5144050	21J/06	88LFA 0131	19	629450	5129050	21J/06
87LFA 8051	19	643950	5143200	21J/06	87LFA 8126	19	617200	5144900	21J/06	88LFA 0132	19	630600	5134500	21J/06
87LFA 8052	19	642050	5140050	21J/06	87LFA 8127	19	616200	5143200	21J/06	85LFA 0018	19	654300	5130300	21J/07
87LFA 8053	19	643500	5138400	21J/06	87LFA 8128	19	617150	5140400	21J/06	85LFA 0032	19	673400	5138200	21J/07
87LFA 8054	19	637600	5140850	21J/06	87LFA 8129	19	619350	5139900	21J/06	85LFA 0033	19	671900	5140500	21J/07
87LFA 8055	19	635250	5137500	21J/06	87LFA 8130	19	621800	5143250	21J/06	85LFA 0034	19	670800	5144200	21J/07
87LFA 8056	19	635000	5139550	21J/06	87LFA 8131	19	619200	5133700	21J/06	85LFA 0035	19	668500	5148700	21J/07
87LFA 8057	19	635650	5141250	21J/06	87LFA 8132	19	621500	5134850	21J/06	85LFA 0039	19	659700	5144500	21J/07
87LFA 8058	19	633700	5143150	21J/06	87LFA 8133	19	622200	5139200	21J/06	85LFA 0110	19	655300	5134000	21J/07
87LFA 8059	19	633200	5145300	21J/06	87LFA 8134	19	622200	5141450	21J/06	85LFA 0113	19	667600	5126800	21J/07
87LFA 8060	19	633500	5147200	21J/06	87LFA 8135	19	624800	5143550	21J/06	85LFA 0114	19	673000	5126800	21J/07
87LFA 8061	19	634950	5148900	21J/06	87LFA 8136	19	624300	5140750	21J/06	85LFA 0115	19	675750	5131200	21J/07
87LFA 8062	19	636200	5150750	21J/06	87LFA 8137	19	624400	5138450	21J/06	85LFA 0116	19	667400	5135350	21J/07
87LFA 8063	19	637800	5149300	21J/06	87LFA 8138	19	625300	5137600	21J/06	85LFA 0117	19	661100	5138700	21J/07
87LFA 8064	19	635950	5145450	21J/06	87LFA 8139	19	623100	5134000	21J/06	85LFA 0118	19	655000	5143600	21J/07
87LFA 8065	19	635900	5147700	21J/06	87LFA 8140	19	617300	5132550	21J/06	85LFA 0119	19	661500	5148500	21J/07
87LFA 8066	19	648350	5143000	21J/06	87LFA 8141	19	616300	5131200	21J/06	85LFA 0120	19	685650	5147600	21J/07
87LFA 8067	19	649250	5145000	21J/06	87LFA 8145	19	615950	5129200	21J/06	85LFA 0121	19	681450	5146800	21J/07
87LFA 8068	19	646550	5143650	21J/06	87LFA 8146	19	617300	5130700	21J/06	85LFA 0122	19	678550	5144700	21J/07
87LFA 8069	19	646600	5141500	21J/06	87LFA 8147	19	615800	5138300	21J/06	85LFA 0123	19	675750	5145950	21J/07
87LFA 8070	19	627700	5146750	21J/06	87LFA 8148	19	626700	5129050	21J/06	85LFA 0124	19	673150	5148600	21J/07
87LFA 8071	19	630350	5146800	21J/06	87LFA 8149	19	640950	5127100	21J/06	86LFA 0050	19	689850	5149150	21J/07
87LFA 8072	19	631650	5148150	21J/06	87LFA 8150	19	642500	5130750	21J/06	86LFA 0051	19	685500	5147300	21J/07
87LFA 8073	19	633150	5149200	21J/06	87LFA 8151	19	641900	5129000	21J/06	86LFA 0052	19	684000	5149850	21J/07
87LFA 8074	19	634100	5150800	21J/06	87LFA 8211	19	618750	5123250	21J/06	86LFA 0053	19	681950	5151650	21J/07
87LFA 8076	19	631700	5146650	21J/06	87LFA 8212	19	616100	5126350	21J/06	86LFA 0054	19	683650	5147500	21J/07
87LFA 8077	19	630400	5150300	21J/06	87LFA 8213	19	617900	5126150	21J/06	86LFA 0055	19	678800	5149850	21J/07
87LFA 8079	19	640550	5150600	21J/06	87LFA 8214	19	619950	5124550	21J/06	86LFA 0056	19	680300	5148200	21J/07
87LFA 8080	19	642200	5149750	21J/06	87LFA 8215	19	621750	5125350	21J/06	86LFA 0058	19	679300	5146600	21J/07
87LFA 8081	19	640500	5148250	21J/06	87LFA 8216	19	624600	5124350	21J/06	86LFA 0059	19	681900	5144850	21J/07
87LFA 8082	19	640650	5145950	21J/06	87LFA 8218	19	633100	5123200	21J/06	86LFA 0060	19	676450	5147025	21J/07
87LFA 8083	19	650650	5148150	21J/06	87LFA 8219	19	639250	5126200	21J/06	86LFA 0061	19	674500	5147200	21J/07
87LFA 8084	19	651050	5145600	21J/06	87LFA 8318	19	632350	5150250	21J/06	86LFA 0065	19	669400	5147150	21J/07
87LFA 8085	19	643250	5147900	21J/06	88LFA 0049	19	644550	5137800	21J/06	86LFA 0066	19	671850	5147550	21J/07

sample	site	Zone	easting	northing	Map
86LFA	0100	19	676550	5129500	21J/07
86LFA	0101	19	681700	5133750	21J/07
86LFA	0102	19	679850	5137400	21J/07
86LFA	0103	19	681000	5139050	21J/07
86LFA	0104	19	683600	5140900	21J/07
86LFA	0105	19	676800	5126500	21J/07
86LFA	0108	19	667750	5130350	21J/07
86LFA	0109	19	665250	5124500	21J/07
86LFA	0110	19	662450	5125900	21J/07
86LFA	0111	19	655200	5126400	21J/07
86LFA	0113	19	659550	5124400	21J/07
86LFA	0114	19	660150	5127300	21J/07
86LFA	0115	19	658100	5133200	21J/07
86LFA	0116	19	661300	5134850	21J/07
86LFA	0117	19	666650	5135800	21J/07
86LFA	0118	19	670050	5133950	21J/07
86LFA	0119	19	673400	5132350	21J/07
86LFA	0120	19	662250	5133450	21J/07
86LFA	0121	19	665600	5134150	21J/07
86LFA	0122	19	663400	5137150	21J/07
86LFA	0123	19	659600	5140500	21J/07
86LFA	0125	19	656500	5145500	21J/07
86LFA	0127	19	657350	5140700	21J/07
86LFA	0128	19	655300	5138250	21J/07
86LFA	0129	19	660300	5146900	21J/07
86LFA	0130	19	662100	5150950	21J/07
86LFA	0131	19	664500	5143750	21J/07
86LFA	0132	19	670750	5145300	21J/07
86LFA	0133	19	667350	5151150	21J/07
86LFA	0134	19	673100	5128450	21J/07
86LFA	0135	19	670600	5129750	21J/07
86LFA	0137	19	684200	5144250	21J/07
86LFA	0138	19	689250	5147050	21J/07
86LFA	0139	19	672750	5142200	21J/07
86LFA	0140	19	668100	5142900	21J/07
86LFA	0155	19	666000	5124025	21J/07
87LFA	0140	19	656700	5134950	21J/07
87LFA	0141	19	655500	5134500	21J/07
87LFA	8091	19	656600	5142550	21J/07
87LFA	8092	19	655300	5140300	21J/07
87LFA	8093	19	657300	5136900	21J/07
87LFA	8094	19	656550	5133600	21J/07
87LFA	8152	19	662400	5144300	21J/07
87LFA	8153	19	667200	5144700	21J/07
87LFA	8154	19	663600	5146700	21J/07
87LFA	8155	19	665850	5147500	21J/07

sample	site	Zone	easting	northing	Map
87LFA	8156	19	663950	5148800	21J/07
87LFA	8157	19	663600	5139400	21J/07
87LFA	8158	19	664300	5141700	21J/07
87LFA	8159	19	667450	5141200	21J/07
87LFA	8160	19	657050	5125200	21J/07
87LFA	8161	19	658700	5126300	21J/07
87LFA	8162	19	662200	5126500	21J/07
87LFA	8163	19	655100	5127100	21J/07
87LFA	8164	19	655200	5125000	21J/07
87LFA	8194	19	668000	5139000	21J/07
87LFA	8195	19	666350	5138150	21J/07
87LFA	8196	19	674400	5134750	21J/07
87LFA	8197	19	672500	5136000	21J/07
87LFA	8198	19	667700	5125350	21J/07
86LFA	0365	19	693600	5151275	21J/08

TABLE II GEOCHEMICAL METHODS, DETECTION LIMITS, AND NOTES TO GEOCHEMICAL TABLES

SAMPLES ANALYSED BY BONDAR-CLEGG AND CO. LTD

Clay (<2 um) Fraction				Clay plus silt (<63 um) Fraction			
Element	Extraction	Method	Detection Limit	Element	Extraction	Method	Detection Limit
Ag Silver	HCl:HNO ₃ , (1:3)	Atomic Absorption	0.1 ppm	As Arsenic	N/A	Neutron Activation	0.5 ppm
As Arsenic	HNO ₃ -HClO ₄	Colourimetric	2.0 ppm	Au Gold	N/A	Neutron Activation	2.0 ppb
Co Cobalt	HCl:HNO ₃ , (1:3)	Atomic Absorption	1.0 ppm	Co Cobalt	N/A	Neutron Activation	5.0 ppm
Cr Chromium	HCl:HNO ₃ , (1:3)	Atomic Absorption	2.0 ppm	Cr Chromium	N/A	Neutron Activation	20.0 ppm
Cu Copper	HCl:HNO ₃ , (1:3)	Atomic Absorption	1.0 ppm	Fe Iron	N/A	Neutron Activation	0.2 pct
F Fluorine	Na ₂ CO ₃ -KNO ₃ Fusion	Specific Ion	20.0 ppm	Hg Mercury	HNO ₃ -H ₂ SO ₄ -HCl-KMnO ₄	Cold Vapour AA	5.0 ppb
Fe Iron	HCl:HNO ₃ , (1:3)	Atomic Absorption	0.1 pct	Mo Molybdenum	N/A	Neutron Activation	1.0 ppm
Hg Mercury	HNO ₃ -H ₂ SO ₄ -HCl-KMnO ₄	Cold Vapour AA	5.0 ppb	Ni Nickel	N/A	Neutron Activation	20.0 ppm
Mn Manganese	HCl:HNO ₃ , (1:3)	Atomic Absorption	1.0 ppm	Sb Antimony	N/A	Neutron Activation	0.1 ppm
Mo Molybdenum	HCl:HNO ₃ , (1:3)	Atomic Absorption	1.0 ppm	Th Thorium	N/A	Neutron Activation	0.2 ppm
Ni Nickel	HCl:HNO ₃ , (1:3)	Atomic Absorption	2.0 ppm	U Uranium	N/A	Neutron Activation	0.2 ppm
Pb Lead	HCl:HNO ₃ , (1:3)	Atomic Absorption	2.0 ppm	W Tungsten	N/A	Neutron Activation	1.0 ppm
Sn Tin	N/A	X-Ray Fluorescence	1.0 ppm				
U Uranium	HNO ₃	Fluorometric	0.1 ppm				
W Tungsten	Carbonate Sinter	Colourimetric	2.0 ppm				
Zn Zinc	HCl:HNO ₃ , (1:3)	Atomic Absorption	1.0 ppm				

SAMPLES ANALYSED BY CHEMEX LABS LTD

Clay (<2 um) Fraction

Element	Extraction	Method	Detection Limit
Ag Silver	HCl:HNO ₃ , (1:3)	ICP-AFS	0.2 ppm
As Arsenic	HCl:HNO ₃ , (1:3)	ICP-AFS	5.0 ppm
Co Cobalt	HCl:HNO ₃ , (1:3)	ICP-AFS	1.0 ppm
Cr Chromium	HCl:HNO ₃ , (1:3)	ICP-AFS	1.0 ppm
Cu Copper	HCl:HNO ₃ , (1:3)	ICP-AFS	1.0 ppm
F Fluorine	Na ₂ CO ₃ -KNO ₃ Fusion	Specific Ion	20.0 ppm
Fe Iron	HCl:HNO ₃ , (1:3)	ICP-AFS	0.01 pct
Hg Mercury	HNO ₃ -HCl	AAS-Flameless	10.0 ppb
Mn Manganese	HCl:HNO ₃ , (1:3)	ICP-AFS	1.0 ppm
Mo Molybdenum	HCl:HNO ₃ , (1:3)	ICP-AFS	1.0 ppm
Na Sodium	HCl:HNO ₃ , (1:3)	ICP-AFS	0.01 pct
Ni Nickel	HCl:HNO ₃ , (1:3)	ICP-AFS	1.0 ppm
Pb Lead	HCl:HNO ₃ , (1:3)	ICP-AFS	2.0 ppm
Sn Tin	Na(H ₄) Sublimation	AAS	2.0 ppm
U Uranium	HClO ₄ -HNO ₃	Fluorometric	0.2 ppm
W Tungsten	K Pyrosulfate Fusion	Colourimetric	2.0 ppm
Zn Zinc	HCl:HNO ₃ , (1:3)	ICP-AFS	2.0 ppm

NOTES TO TABLES III TO VIII

- 1) "Blank" = not analysed
- 2) "Obs" = laboratory e.g. 1,2,3 ... Bondar Clegg and Co. Ltd
10,11,12... Chemex Labs Ltd
- 3) Half the value of the detection limit is indicated when the element is not detected, e.g. Au = 1.0 ppb means Au <2.0 ppb
- 4) Sample number= YY LFA XXXX NN
YY=Year of sampling , LFA=Project leader's code
XXXX=Code number of sample site , NN = Sample number
- 5) NN: 01= 0.80 m, from the surface,
NN: 02= 1.60 m, from the surface,
NN: 03= 2.40 m, from the surface, etc.

Clay plus silt (<63 um) Fraction

Element	Extraction	Method	Detection Limit
As Arsenic	HCl:HNO ₃ , (1:3)	AAS	1.0 ppm
Au Gold	Fusion	FA-Neutron Activation	1.0 ppb
Sb Antimony	HCl-KClO ₃	AAS	0.2 ppm

TABLE III: GEOCHEMISTRY OF THE CLAY (<2um) FRACTION OF TILL, SOUTHERN MIRAMICHI ZONE, NEW BRUNSWICK

Sample	map	Obs	Ag	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Na	Ni	Pb	Sn	U	W	Zn
			ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
83KAR140001	21J/05	1		28	34	108	69		7	95	2600	1		128	33	0.1		122	
83KAR140001	21J/05	10		15	36	64	45		4.5	1580			77	21	1	0.1	1	97	
83KAR140101	21J/05	1		18	21	78	58		7.2	1800			96	27		0.5		134	
83KAR140101	21J/05	10		15	25	74	72		7.8	1240			95	21	1	0.4	1	146	
83KAR140201	21J/05	1		21	21	79	54		6.7	1600			101	23		0.6		123	
83KAR140201	21J/05	10		19	29	84	61		7.7	1460			103	19	1	0.6	1	145	
83KAR140301	21J/05	1		28	19	93	52		7	1100	1		112	19		0.4		126	
83KAR140301	21J/05	10		22	24	92	61		7.6	900			107	14	1	0.4	2	148	
83KAR140401	21J/05	1		24	19	82	47		6.8	1450			108	21		1.2		129	
83KAR140401	21J/05	10		19	24	82	55		7.3	1100			107	16	1	0.2	1	137	
83KAR140501	21J/05	10		15	23	68	60		6.1	960			80	13	1	0.1	1	141	
83KAR140601	21J/05	1		23	19	96	46		6.7	840			115	29		1.3		126	
83KAR140601	21J/05	10		16	20	92	45		6.1	640			100	22		0.2	1	106	
83KAR140701	21J/05	1	0.1	45	36	101	162		12.5	135	7000	1		144	61	0.2		164	
83KAR140701	21J/05	10		51	47	74	140		9.3	4500			102	53		0.4	1	148	
83KAR140801	21J/05	1		34	26	86	87		9.2	3450			122	35		0.7		168	
83KAR140801	21J/05	10		24	28	70	83		8.5	2000			96	22	1	0.2	1	150	
83KAR140901	21J/05	1		25	20	75	56		6.9	1450			99	26		0.7		121	
83KAR140901	21J/05	10		16	24	74	60		7.7	1050			104	18	1	0.2	1	128	
83KAR141701	21J/05	10		36	31	72	60		6.2	1320			92	21	1	0.2	1	128	
83KAR144201	21J/05	1		18	24	94	59		7.8	2500	1		100	32		1.1		117	
83KAR144201	21J/05	10		14	31	88	63		8	2000			100	26	1	0.2	1	119	
83KAR144301	21J/05	1		17	19	88	53		7.3	1300			86	38		1.1		139	
83KAR144301	21J/05	10		15	25	84	60		7.6	1080			91	25	1	0.2	1	140	
83KAR144401	21J/05	1		15	17	98	46		6.8	930	1		94	22		1.1		109	
83KAR144401	21J/05	10		14	21	92	48		6.6	740			92	14		0.1	1	107	
83KAR144501	21J/05	10		20	29	76	67		6.3	2400			80	40		0.6		102	
83KAR144601	21J/05	1		28	24	86	79		8	2730	2		94	31		0.6		141	
83KAR144601	21J/05	10		15	27	74	60		7.5	1560			89	22	1	0.4	1	134	
83KAR144701	21J/06	1		22	23	80	61		7	2170	3		98	24		0.6		117	
83KAR144701	21J/06	10		12	25	74	50		6.5	1900			86	18	1	0.3	1	103	
83KAR144801	21J/06	10		44	46	88	48		6.4	4200			74	50		0.8		102	
83KAR144901	21J/06	1		39	19	86	56		6.2	3550	3		84	27		1.1		91	
83KAR144901	21J/06	10		32	24	76	46		6.3	2800			82	22	1	0.6	1	93	
83KAR145001	21J/06	1		48	20	86	53		6.3	1400	1		89	56		0.9		152	
83KAR145001	21J/06	10		35	24	80	52		6.2	1300			85	56	2	0.4	1	153	
83KAR145101	21J/06	1	0.2	30	26	88	87		8.8	4500	3		105	42		0.6		138	
83KAR145101	21J/06	10		23	24	70	75		6.8	2200			82	27		0.4	1	113	
83KAR145201	21J/06	1		17	23	83	61		6.9	2000	3		94	27		0.8		104	
83KAR145201	21J/06	10		23	30	72	60		6.7	3500			82	33		0.6	1	116	
83KAR145301	21J/06	10		15	25	70	47		6	1500			75	17	1	0.2	1	94	
83KAR145401	21J/06	1		14	17	74	54		7	950	1		94	20		0.3		123	
83KAR145401	21J/06	10		15	20	82	52		6.8	700			89	13	1	0.2	1	132	
83KAR145501	21J/06	10		20	14	94	44		5.2	1280			62	14		0.6		90	
83KAR145601	21J/06	10		9	28	82	70		6.8	700			105	15	1	0.2	1	149	
83KAR145801	21J/06	1		39	14	44	44		4	7900	3		43	35		0.6		53	

Sample	map	Obs	Ag	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Na	Ni	Pb	Sn	U	W	Zn
			ppm	ppm	ppm	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
83KAR145801	21J/06	10			33	17	46	37		5.1	5000		46	27	1	1.1	2	69	
83KAR145901	21J/06	1			16	20	57	53		6.3	2320	2	72	23	1	0.8		109	
83KAR145901	21J/06	10			11	21	54	48		6.2	1480		70	13	1	0.8	2	109	
83KAR146001	21J/06	1			62	16	64	19		6.9	1880	2	63	20	6		2	78	
83KAR146001	21J/06	10			43	21	62	20		6.8	1320		67	11	1	3	2	94	
83KAR146101	21J/06	10			14	19	36	16		4.3	1980		37	23	1	0.4	3	53	
83KAR146201	21J/06	1	0.1		16	17	74	48		6.3	115	1050		84	20	0.8		98	
83KAR146201	21J/06	10			14	20	74	47		6.5	820		87	12	1	0.2	1	100	
83KAR1462A01	21J/06	1	0.1		15	6	43	8		5.3	155	355		18	20	0.8		52	
83KAR146301	21J/06	10			12	8	52	12		5.6	440		25	15	1	0.2	2	72	
83KAR146301	21J/06	1			15	17	71	43		5.8	1400	3	88	14	1.1			87	
83KAR146401	21J/06	10			11	21	78	46		6.3	1360		83	12	1	0.4	1	92	
83KAR146401	21J/06	10			18	19	80	50		6.6	1300	2	91	21	0.8		108		
83KAR146501	21J/05	10			11	22	76	51		6.6	880		82	15	1		1	106	
83KAR146601	21J/04	10			27	38	70	72		8.5	4600		89	47	0.2		1	105	
83KAR146701	21J/04	1			59	33	54	56		5	1260		81	23	1		1	102	
83KAR146701	21J/04	1			29	23	67	65		7.2	1600	1	108	26	0.8		120		
83KAR146701	21J/04	10			20	28	66	70		7.8	1380		98	23	1	0.1	1	127	
83KAR146801	21J/04	1			27	20	76	55		6.6	1350	1	102	23	0.6		119		
83KAR146801	21J/04	10			30	22	80	58		6.9	950		97	13	1	0.2	1	120	
83KAR146901	21J/04	1			30	39	76	70		7.6	1720	1	108	29			142		
83KAR146901	21J/04	10			17	34	42	44		5.1	940		82	16	1		1	97	
83KAR147001	21J/04	1			37	29	71	96		9	2580		85	38	0.7		131		
83KAR147001	21J/04	10			24	31	54	68		7.5	1860		80	27	1	0.2	1	106	
83KAR147101	21J/04	1	0.1		29	29	89	64		8.2	4500	1	95	44	1.1		111		
83KAR147101	21J/04	10			23	37	78	65		8.3	3500		90	37	0.8		112		
83KAR147201	21J/04	1			17	20	84	44		6.4	1220	2	94	22	0.3		190		
83KAR147201	21J/04	10			14	25	78	50		7.2	1000		88	20	1	0.2	1	115	
83KAR147301	21J/04	1			21	22	72	56		6.6	1370		82	22	0.9		134		
83KAR147301	21J/04	10			19	23	78	59		6.9	880		81	14	1	0.2	1	132	
83KAR147401	21J/04	1			20	21	73	61		6.8	1650		81	26	2.1		112		
83KAR147401	21J/04	10			12	27	76	63		7	1360		89	18	1	0.4	1	119	
83KAR147501	21J/04	1			18	21	90	59		6.8	1150	1	98	25	0.7		106		
83KAR147501	21J/04	10			10	26	90	59		6.7	940		97	16	1	0.4	1	111	
83KAR147601	21J/04	1			26	22	78	79		6.6	1900	1	103	26	0.7		118		
83KAR147601	21J/04	10			12	25	80	71		6.7	1320		101	17	1	0.2	1	119	
83KAR147701	21J/04	1			39	23	73	86		6.5	1600	1	120	30	0.6		175		
83KAR147701	21J/04	10			20	27	74	77		6.4	1380		108	26	1	0.2	1	169	
83KAR147801	21J/04	1			32	20	76	65		6.7	1300		96	22	0.6		121		
83KAR147801	21J/04	10			24	24	80	62		6.8	1140		102	14	1	0.2	1	129	
83KAR147901	21J/04	1			26	20	76	61		6.8	1420	2	95	23	0.3		110		
83KAR147901	21J/04	10			12	23	72	60		6.7	1000		84	16	1	0.1	1	121	
83KAR148001	21J/04	1			29	22	63	102		6.7	1650	1	77	36	0.6		156		
83KAR148001	21J/04	10			16	26	66	107		7.2	1380		69	32	1	0.4	1	160	
83KAR148101	21J/04	1			27	21	69	62		6.7	1580	1	73	30	0.4		101		
83KAR148101	21J/04	10			17	25	66	50		6.5	1340		74	22	1	0.2	1	108	
83KAR148201	21J/04	1			27	21	77	63		6.5	1620		84	26	0.3		126		
83KAR148201	21J/04	10			14	23	76	57		6.5	1200		78	16	1	0.2	1	119	
83KAR148301	21J/04	1			22	16	68	58		6.5	1050		77	20	0.6		113		

Sample	map	Obs	Ag	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Na	Ni	Pb	Sn	U	W	Zn
			ppm	ppm	ppm	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
83KAR148301	21J/04	2	0.1	27	21	77	63	6.5	80	1620	1		84	26	0.6		0.1	126	
83KAR148301	21J/04	10		14	18	68	55	6.6		840			75	12	1	0.1	1	120	
83KAR148401	21J/04	1		26	19	71	86	7		1250	2		78	25		0.6		130	
83KAR148401	21J/04	10		14	21	68	69	6.7		1000			71	17	1	0.2	1	129	
83KAR148501	21J/04	1	0.2	20	19	76	51	6.5		1050			91	20		0.6		126	
83KAR148501	21J/04	10		12	18	76	47	6.8		640			91	12	1	0.6		126	
83KAR148601	21J/03	1		19	20	81	51	6.9		980			91	19		0.8		127	
83KAR148601	21J/03	10		14	21	86	50	7.3		780			93	14	1	0.1	1	119	
83KAR148701	21J/03	1		23	19	76	56	6.6		1050	1		81	22		1.3		133	
83KAR148701	21J/03	10		12	19	72	43	6		610			73	15	1	0.2	1	104	
83KAR148801	21J/03	1		20	17	75	50	6.3		1050			83	18		1		105	
83KAR148801	21J/03	10		11	19	84	49	7.1		840			83	13	1	0.2	1	114	
83KAR148901	21J/03	1		25	21	73	57	6.9		1300	1		80	21		1		122	
83KAR148901	21J/03	10		16	24	80	56	7.6		910			82	13	1	0.4	1	135	
83KAR149001	21J/03	1		88	26	82	57	6.9		2330	1		66	38		1.3		112	
83KAR149001	21J/03	10		72	24	80	50	6.2		1640			60	28		0.4		114	
83KAR149101	21J/03	1	0.2	23	16	114	38	6.3		630	2		50	16		2		59	
83KAR149101	21J/03	10		9	12	100	26	5.7		300			35	8		0.4	1	52	
83KAR149201	21J/03	1		67	25	110	65	7.2		1000			145	35		1		118	
83KAR149201	21J/03	10		41	31	104	60	7.3		860			131	29	1	0.1	1	122	
83KAR149301	21J/03	1		34	22	106	42	5.9		930			77	47		1.8		120	
83KAR149301	21J/03	10		24	23	102	38	6.2		620			69	38	1	0.6	1	116	
83KAR149401	21J/03	1		37	18	87	55	7		890			88	21		1.2		131	
83KAR149401	21J/03	10		20	21	86	43	7.2		760			82	16	1	0.6	1	130	
83KAR149501	21J/03	1	0.1	32	15	46	52	5.3		1250	1		38	31		9.3		122	
83KAR149501	21J/03	10		9	18	44	41	5.2		980			35	23	1	3.8	2	118	
83KAR149601	21J/03	1	0.2	11	11	33	34	4.1		1900	1		15	39		12.2		87	
83KAR149601	21J/03	10		5	12	32	32	4.5		1340			24	31		8	4	103	
83KAR149701	21J/03	1		19	19	48	45	6		1340			35	28	3	1.2	1	121	
83KAR149701	21J/03	10		5	17	60	51	6.2		1720			35	39		9		113	
83KAR149801	21J/03	10		5	18	42	38	4.7		1200			28	22	2	0.8	1	89	
83KAR149901	21J/03	10		53	23	60	99	7.4		1140			76	25	1		1	164	
83KAR150001	21J/03	10		8	16	32	24	3.6		1300			22	26		0.8		94	
83KAR150101	21J/03	1	0.5	41	22	78	127	7.5		635	3		71	45		7.4		128	
83KAR150101	21J/03	10		19	22	48	98	5.9		520			58	30		1.2		118	
83KAR150201	21J/03	1	0.1	39	17	71	42	6.3		475	5		52	36		2.3		107	
83KAR150201	21J/03	10		23	21	74	42	6.2		420			56	35	2	0.4	1	116	
83KAR150301	21J/03	1		32	19	66	49	6.4		1020	2		64	29		1.4		100	
83KAR150301	21J/03	10		27	23	76	62	7.5		880			76	23	1	1.2	2	137	
83KAR150601	21J/02	1		40	17	80	58	6.4		1000	3		74	23		1.1		115	
83KAR150601	21J/02	10		25	17	80	62	7.2		540			77	13	1	0.6	2	129	
83KAR150701	21J/02	1		192	22	83	72	7		1100	3		92	32		2.5		142	
83KAR150701	21J/02	10		425	26	72	89	5.6		1000	3		104	30	2	2.4	1	158	
83KAR150801	21J/04	1		30	24	67	81	6.6		1950	3		75	32		1		116	
83KAR150801	21J/04	10		17	28	66	85	7		1540			73	26	1	0.1	1	129	
83KAR150901	21J/04	1		19	17	77	43	6.5		880	3		98	16		0.6		106	
83KAR150901	21J/04	10		16	21	90	54	7.6		680			101	13	1		1	128	
83KAR151001	21J/03	1		17	20	86	41	6.6		1300	3		91	21		1		117	
83KAR151001	21J/03	10		15	22	86	44	6.4		930			95	13	1	0.1	1	119	

Sample	map	Obs	Ag	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Na	Ni	Pb	Sn	U	W	Zn
			ppm	ppm	ppm	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
83KAR151101	21J/03	1		18	17	83	48		6.8	770	3		100	16		0.6		121	
83KAR151101	21J/03	10		12	18	92	52		6.9	520			101	9	1	0.8	1	140	
83KAR151201	21J/03	1		26	20	80	63		7.6	1250	2		90	23		0.8	1	139	
83KAR151201	21J/03	10		20	20	82	61		7.7	720			90	14	1	0.2	1	139	
83KAR151301	21J/03	1	0.1	15	16	72	44		6.2	45	1000	1		16	44		0.3	1	111
83KAR151301	21J/03	10		19	22	82	61		7.5	880			96	13	1	0.2	1	149	
83KAR151401	21J/03	1		20	21	86	101		7.3	1190	3		93	22		0.6		107	
83KAR151401	21J/03	10		15	25	90	98		7.9	1050			96	18	1		1	119	
83KAR151501	21J/03	1		25	27	93	58		5.7	1700	3		85	27		1		94	
83KAR151501	21J/03	10		12	22	82	65		6.9	790			86	16	1	0.6	1	139	
83KAR151601	21J/03	1		16	19	71	55		6	1000	2		80	19		0.8		120	
83KAR151601	21J/03	10		10	22	78	60		6.5	780			80	14	1	0.2	1	128	
83KAR151701	21J/03	1		11	15	70	42		5.8	730	3		74	9		0.8		107	
83KAR151701	21J/03	10		11	19	80	60		7	620			89	12	1	0.6	1	137	
83KAR151801	21J/03	1		28	23	68	53		6.3	1250	1		84	18		1		122	
83KAR151801	21J/03	10		17	29	74	65		7.1	1100			85	17	1		1	136	
83KAR151901	21J/03	1	0.1	18	20	68	54		6.3	1300	2		79	24		0.6		106	
83KAR151901	21J/03	10		17	24	76	61		7.1	1160			82	20	1		1	124	
83KAR152001	21J/03	1	0.1	11	18	64	42		6.1	1250	2		72	19				117	
83KAR152001	21J/03	10		22	21	80	68		7.5	740			84	16	1		1	145	
83KAR152101	21J/03	1		15	17	82	52		5.7	930	1		82	20		1		131	
83KAR152101	21J/03	10		10	21	86	56		5.7	760			88	13	1	0.8	1	159	
83KAR152201	21J/03	10		23	18	80	45		4.7	850			68	25				98	
83KAR152301	21J/03	1	0.1	27	18	67	71		6.3	1250	1		77	25		0.7		112	
83KAR152301	21J/03	10		17	20	70	72		6.7	960			74	16	1	0.6	1	124	
83KAR152401	21J/03	1		41	26	93	65		7.5	1000	4		82	38		0.6		115	
83KAR152401	21J/03	10		19	26	80	53		6.5	800			76	24	1	0.2	1	103	
83KAR152501	21J/03	1		36	19	86	54		6.9	1100	3		87	22		0.2		129	
83KAR152501	21J/03	10		20	20	84	56		7	640			88	13	1	0.2	1	137	
83KAR152601	21J/03	1		39	20	73	54		6.8	1320	6		71	24		2.6		136	
83KAR152601	21J/03	10		33	19	76	58		7.6	820			78	16	1	1.6	1	148	
83KAR152701	21J/03	1		43	19	70	67		7.5	660			80	17	2	0.9	2	140	
83KAR152701	21J/03	10		43	17	68	55		6.3	890	4		70	22		0.9		125	
83KAR152801	21G/14	10		48	17	72	64		7.8	680			74	21	1	1.2	3	145	
83KAR152901	21G/14	10		24	21	70	58		6.5	890			67	16	1	0.8	3	140	
83KAR153001	21G/14	10		24	22	70	68		6.6	1000			89	25	1	1.7	4	132	
83KAR153101	21G/14	10		30	18	82	61		7.6	740			72	21	1	1.2	2	147	
83KAR153201	21G/14	10		17	24	68	55		6.6	1320			81	21	1	0.4	1	110	
83KAR153301	21G/14	10		32	23	56	113		7.2	1700			73	26	1	0.8	1	139	
83KAR153401	21J/04	1	0.1	24	15	78	175		6.6	465	4		78	29		0.8		191	
83KAR153401	21J/04	10		16	19	78	152		7.1	420			82	24	1	0.3	1	194	
83KAR153501	21J/04	1		24	23	82	57		6.6	1950	2		98	34		1.2		123	
83KAR153501	21J/04	10		22	27	84	63		7.9	1800			99	29	1	0.3	1	138	
83KAR153601	21G/14	10		32	26	72	72		8	1400			81	21	1	0.6	1	145	
83KAR153701	21G/14	10		23	23	70	95		6.8	1260			79	18	1	0.4	1	119	
83KAR153801	21G/14	10		20	30	80	74		4.4	1120			160	22		0.8	1	92	
83KAR155201	21J/04	1		36	26	68	82		6.2	1040			142	14		0.4	1	130	
83KAR155201	21J/04	10		64	31	67	94		7.4	2150	4		130	27		1.5		142	
83KAR155701	21G/14	10		35	22	74	80		7.2	1100			96	17	1	0.6	1	144	

Sample	map	Obs	Ag	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Na	Ni	Pb	Sn	U	W	Zn
			ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
83KAR155801	21G/14	10		63	25	76	81		6.5		1260		105	20	0.6			107	
83KAR155901	21G/14	10		33	24	78	62		6.7		1600		89	18	1	0.6		1	124
83KAR156001	21G/14	10		24	24	78	74		5.7		920		81	21	1	0.7		1	115
83KAR156201	21G/14	10		32	21	72	74		5.8		920		75	15	1	0.6		1	138
83KAR156301	21G/14	10		15	19	66	48		6.1		780		59	18	1	1.4		2	115
83KAR156401	21G/14	10		11	19	78	42		6.7		600		68	15	1	0.8		1	110
83KAR156501	21G/14	10		15	19	78	61		6.5		700		76	13	1	1		1	111
83KAR156601	21G/14	10		17	19	78	71		7.1		480		81	14	1	1		1	137
83KAR156701	21G/14	10		11	18	62	67		6.6		440		69	20	2	1.6		1	134
83KAR156801	21G/14	10		24	19	80	51		6.7		730		76	15	1	0.9		1	116
83KAR156901	21G/14	10		11	21	80	44		6.4		800		83	15	1	0.7		1	106
83KAR157001	21G/14	10		19	28	76	60		6.7		880		83	19		0.8		1	154
83KAR157101	21G/14	10		14	20	68	63		6.5		900		77	16		0.4		1	133
85LFA000101	21J/03	1	0.1	40	23	88	62	780	6.2		860	3	83	24		1	2	130	
85LFA000101	21J/03	2	0.05	41	23	85	53	850	6.2		900	1	82	23	5	0.5	2	126	
85LFA000205	21J/03	1		15	19	58	33	1450	6.4		1250		40	37	17	5.5	2	220	
85LFA000301	21J/03	1	0.05	60	25	66	68	950	6.4		1100	2	62	33	8	2.7	4	125	
85LFA000301	21J/03	2	0.1	69	26	65	65	860	6.6		1200	3	65	29	2	2.8	4	125	
85LFA000401	21J/03	1	0.2	37	17	75	49	1050	6.4		660	2	57	26	1	4.4	4	162	
85LFA000501	21J/03	1		48	21	70	57	1050	6.3		1100	2	68	27	9	2.9	4	135	
85LFA000801	21J/02	1	0.1	244	36	85	132	755	4.9		880	4	148	30	6	3.4	2	200	
85LFA000901	21J/03	1	0.5	130	34	84	123	540	4.9		1100	2	95	55	2	4.3	2	110	
85LFA001001	21J/02	1	0.1	47	23	70	51	880	5.9		1000	5	62	31	9	9.9	4	124	
85LFA001101	21J/03	1	0.1	9	21	54	53	910	6.4		2700	2	31	55	9	11.7	4	142	
85LFA001201	21J/03	1		21	15	49	64	1050	5.1		1000	3	38	26	13	8	4	140	
85LFA001401	21J/03	1	0.1	31	22	74	61	700	6.6		980	2	69	24	5	4.7	4	135	
85LFA001601	21J/02	1	0.1	15	23	100	42	1250	6		760	1	92	21	4	0.7	4	125	
85LFA001701	21J/06	1	0.7	396	24	62	494	1500	7.5		1800	340	37	1544	53	14.2	2000	560	
85LFA001702	21J/06	1	0.5	390	19	70	610	1200	7		1500	280	31	1444	47	7.6	2000	500	
85LFA001703	21J/06	1	1.2	330	16	55	356	850	5.6		980	240	28	1144	35	8	2000	370	
85LFA001801	21J/07	1	0.4	124	22	78	162	950	7		1300	12	51	62	13	4.7	60	220	
85LFA001802	21J/07	1	0.4	266	32	75	451	950	6.6		1300	19	51	120	24	5.3	24	300	
85LFA001803	21J/07	1	4	664	15	68	368	700	5.8		340	45	43	118	26	2.9	4	240	
85LFA001901	21J/03	1	0.1	23	38	55	86	750	7		1600	2	59	69	8	5.7	4	150	
85LFA002001	21J/03	1	0.05	17	14	48	23	650	4.2		580	0.5	41	27	5	1.2	4	67	
85LFA002001	21J/03	2	0.05	15	15	46	23	780	4.2		480	1	40	25	8	1	4	65	
85LFA002101	21J/03	1	0.05	34	13	37	19	1000	3.4		1000	1	33	31	1	1.2	4	56	
85LFA002101	21J/03	2	0.05	31	14	38	18	750	3.7		1300	1	36	29	0.5	1.3	4	60	
85LFA002201	21J/06	1	0.05	9	20	54	27	540	4.7		780	0.5	54	23	7	1.2	2	76	
85LFA002301	21J/06	1	0.2	7	17	44	30	690	4.2		720		46	18	6	1.1	2	68	
85LFA002401	21J/06	1		64	2	27	4	1200	2.4		100	2	4	23	5	1	4	12	
85LFA002402	21J/06	1		42	5	30	5	950	2.1		165	1	7	20	6	1	4	14	
85LFA003201	21J/07	1	0.1	39	34	105	79	700	7		1600	5	80	47	8	3.6	4	103	
85LFA003301	21J/07	1	0.1	21	9	76	35	740	6.4		340	2	38	18	5	1.1	2	75	
85LFA003401	21J/07	1	0.1	35	39	74	57	870	5.7		2450	2	69	43	6	1.8	2	102	
85LFA003501	21J/07	1	0.05	30	25	64	54	630	5.2		840	3	68	25	8	2.4	1	205	
85LFA003602	21J/06	1	0.4	14	9	60	18	620	5.2		2200	3	11	15	9	2.9	8	76	
85LFA003603	21J/06	1	0.1	5	5	22	16	475	1.8		1900	1	7	17	22	3	4	70	
85LFA003604	21J/06	1	0.1	26	8	60	21	575	4.6		700	3	22	24	4	4	8	95	

Sample	map	Obs	Ag	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Na	Ni	Pb	Sn	U	W	Zn	
			ppm	ppm	ppm	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
85LFA003606	21J/06	1	0.1	20	16	63	38	950	5	550	2	42	24	11	5	4	110			
85LFA003606	21J/06	2	0.05	20	17	62	37	730	4.8	570	3	44	24	3	4	4	105			
85LFA003607	21J/06	1	0.1	20	18	66	37	910	4.9	620	2	53	26	6	6.5	4	125			
85LFA003901	21J/07	1	0.2	18	20	60	27	870	5.4	1200		53	33	15	3.6	4	130			
85LFA009901	21J/03	1	0.05	25	24	66	50	960	6.3	1200	2	74	26	3	2.1	4	140			
85LFA010001	21J/02	1	0.05	37	18	50	41	1070	5.9	740	2	47	22	3	1.7	4	108			
85LFA010001	21J/02	2	0.05	37	18	52	43	670	5.5	750	1	55	24	3	1.5	4	110			
85LFA010101	21J/02	1	0.05	32	18	50	41	700	6.1	760	1	58	21	6	2.1	6	125			
85LFA010101	21J/02	2	0.05	32	20	51	42	750	5.7	790	2	62	22	3	1.5	4	125			
85LFA010301	21J/02	1		46	18	52	38	780	4.8	1300	2	42	27	7	4.7	12	104			
85LFA010302	21J/02	1		46	21	61	34	800	4.2	1000	2	46	35	12	5.3	12	130			
85LFA010501	21J/02	1	0.1	39	20	55	27	850	5.4	640	2	49	27	5	2.1	4	106			
85LFA010601	21J/02	1	0.2	124	13	54	61	700	5.6	270	15	39	108	8	2.3	4	95			
85LFA010701	21J/02	1	0.05	60	31	65	59	850	6.8	1500	4	73	32	8	4.2	4	130			
85LFA010701	21J/02	2	0.1	65	31	65	63	820	6.4	1400	4	76	35	2	3.4	4	135			
85LFA010801	21J/06	1		26	17	46	40	1000	6	1200	2	34	33	14	6.5	4	144			
85LFA010901	21J/06	1	0.2	83	26	76	73	1100	7.8	1600	3	64	42	7	2.7	4	240			
85LFA011001	21J/07	1	0.3	34	52	65	147	800	9.8	5000	4	60	67	7	4.2	4	200			
85LFA011101	21J/02	1		24	20	50	45	910	6.3	890	3	57	30	5	1.5	4	109			
85LFA011201	21J/02	1		31	11	35	39	815	3.5	1000	3	32	36	5	1.4	4	68			
85LFA011301	21J/07	1		77	37	60	137	800	6	1100	4	81	49		1.8	4	145			
85LFA011401	21J/07	1	0.1	40	23	83	50	620	5.2	925	4	84	33	6	1.8	4	88			
85LFA011501	21J/07	1		63	22	75	62	780	6.3	1050	4	82	26	7	2.2	4	154			
85LFA011601	21J/07	1	0.1	55	19	76	59	860	5.8	1200	2	81	28	9	1	4	155			
85LFA011601	21J/07	2	0.05	60	25	72	56	890	4.2	1000	2	92	28	6	1.1	2	170			
85LFA011701	21J/07	1		64	25	78	57	670	5.3	1500	3	71	31	2	2.3	4	126			
85LFA011801	21J/07	1	0.1	84	25	75	47	700	4.9	580	3	60	27	9	4.7	4	96			
85LFA011901	21J/07	1		38	25	60	96	620	6.1	575	4	50	48	2	4.9	4	85			
85LFA012001	21J/07	1		16	24	101	55	620	5.5	1300	3	111	23	4	2.2	4	108			
85LFA012101	21J/07	1	0.1	20	23	59	67	700	4.7	1700	2	80	18	5	1.7	2	105			
85LFA012201	21J/07	1	0.1	22	23	75	58	950	5.6	1075	2	64	18	8	1.8	4	150			
85LFA012301	21J/07	1	0.1	29	23	73	53	1020	5.5	1200	2	76	22	7	1.3	4	125			
85LFA012401	21J/07	1		37	19	65	55	860	5.5	850	4	81	15	4	1.8	4	160			
85LFA013201	21J/06	1	0.2	24	24	81	58	725	4.8	950	4	59	29		3.4	8	104			
85LFA013301	21J/06	1		17	24	80	62	850	5.5	975	4	54	23	11	7	6	120			
85LFA013401	21J/06	1	0.1	52	16	82	49	830	5	455	3	47	28		8.1	12	118			
85LFA013401	21J/06	1		52	16	82	49	830	5	455	3	47	28	13	8.1	12	118			
85LFA013501	21J/06	1		147	24	81	44	720	5.5	1800	3	69	39	7	2.2	6	125			
85LFA013601	21J/06	1		58	20	70	49	800	5	1040	3	74	27	4	3.4	4	115			
85LFA020101	21J/03	1		11	15	84	44	620	4.2	840	3	51	135	13	5.6	2	280			
85LFA057901	21J/03	1		23	22	70	55	860	6	960	3	86	16		0.7	2	134			
86LFA000501	21J/02	1	0.3	67	25	56	38	1000	5.4	75	1000	2	75	37	6	2.2	2	134		
86LFA000601	21J/02	1	0.5	104	23	66	68	610	5.4	150	670	4	75	46	6	3.1	4	92		
86LFA000701	21J/02	1	0.2	59	25	54	80	900	5.8	95	1400	2	74	47	4	4.3	4	132		
86LFA000801	21J/02	1		123	23	110	48	825	4.8	65	1000	1	142	25	7		2	150		
86LFA001101	21J/02	1	0.1	48	18	64	38	770	4.6	55	520	2	77	26	6	3.1	4	104		
86LFA001201	21J/02	1		39	20	62	56	740	4.8	60	1000		76	25	5	1.8	4	108		
86LFA001301	21J/02	1	0.6	168	30	84	96	470	4.9	110	720	4	91	27	4	4.4	2	110		
86LFA001401	21J/02	1	0.5	51	23	162	64	950	5.9	80	880	1	129	33	4	0.3	2	152		

Sample	map	Obs	Ag	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Na	Ni	Pb	Sn	U	W	Zn
			ppm	ppm	ppm	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
86LFA001501	21J/02	1	0.4	46	25	72	58	625	4.8	110	1000		69	38	4	6.2	2	112	
86LFA001601	21J/02	1	0.4	34	18	54	44	740	4.8	35	800	1	70	20	7	1.1	2	112	
86LFA001701	21J/02	1	0.4	65	23	72	64	650	5.5	50	840	1	81	27		2.2	4	134	
86LFA001801	21J/02	1	0.4	66	21	64	80	860	5.6	60	880		84	26	4	1.8	4	138	
86LFA001901	21J/02	1		92	23	78	26	740	4.2	160	3400	2	82	20	3	5.6	2	140	
86LFA002001	21J/02	1	0.1	153	22	60	72	760	5.7	90	1000	1	82	29	6	2.2	2	136	
86LFA002101	21J/02	1		110	12	120	24	870	5.6	70	400	1	56	18	7	0.2	2	149	
86LFA002201	21J/02	1	0.1	49	18	44	54	890	5.8	20	880	2	51	35	4	4.2	4	136	
86LFA002201	21J/02	2	0.05	50	16	42	52	1090	5.6	55	860	2	54	25	7	4	4	148	
86LFA002301	21J/02	1	0.1	77	33	48	74	725	5.4	130	1400	3	71	43	10	6.1	2	205	
86LFA002401	21J/02	1	0.3	118	24	56	84	480	6.6	150	540	8	69	57	7	3.4	4	124	
86LFA002501	21J/02	1	0.3	74	22	126	48	950	4.9	85	760	1	111	27	11	0.1	2	169	
86LFA002501	21J/02	10	0.1	30	23	42	60	710	5.2	40	860	2	59	40	11	3.2	4	116	
86LFA002601	21J/02	1	0.4	51	18	43	54	740	5.4	45	760	2	64	29	3	1.8	2	128	
86LFA002701	21J/02	1	0.3	31	19	129	40	620	4.1	60	1200	1	78	15	8	0.5	2	143	
86LFA002801	21J/02	1	0.3	33	16	44	40	770	4.7	40	1100		56	25	8	2	4	100	
86LFA003001	21J/03	1	0.3	22	15	62	24	790	3.8	130	280	3	55	23	5	2.6	2	92	
86LFA003101	21J/03	1	0.2	70	17	55	70	1070	6.2	25	760	2	61	28	4	3.4	8	148	
86LFA003201	21J/03	1	0.1	43	26	93	56	950	4.2	135	2800	1	133	19	3		2	132	
86LFA003301	21J/03	1	0.6	79	16	42	92	620	6.5	50	510	6	42	48	4	3.4	6	108	
86LFA003401	21J/03	1	0.5	26	10	129	22	890	3.9	80	320	1	66	12	6		2	110	
86LFA003501	21J/03	1		23	19	54	36	790	5	18	760		56	28	4	3.1	2	116	
86LFA003601	21J/03	1	0.8	60	16	139	28	890	4.5	85	540		94	18	2	0.5	2	119	
86LFA003701	21J/03	1	0.3	23	19	54	30	810	4.4	35	900		55	27	8	2.7	4	116	
86LFA003901	21J/03	1	0.2	31	20	64	52	840	5.6	45	990	1	68	20	4	1.2	2	142	
86LFA004001	21J/03	1	0.3	29	20	67	44	920	5.6	30	840	0.5	68	19	2	1	2	120	
86LFA004001	21J/03	2	0.05	31	18	60	48	850	5	50	780	0.5	70	19	5	0.6	1	128	
86LFA004101	21J/03	1		33	24	72	42	860	5	80	960		75	22	3	0.7	2	96	
86LFA004201	21J/03	1		55	17	74	47	910	5.6	45	760		82	18	1	0.4	2	118	
86LFA004301	21J/03	1		33	20	98	34	770	3.5	65	600		98	17	4	0.7	2	109	
86LFA004401	21J/03	1	0.2	23	16	76	24	740	4.6	60	680		71	20	4	0.1	4	132	
86LFA004501	21J/03	1		43	23	141	38	810	5.8	65	500		132	20	9	0.5	2	161	
86LFA004801	21J/03	1		29	20	68	43	890	4.8	55	960		68	20	8	1	2	104	
86LFA005001	21J/07	1		30	20	102	48	810	4.7	145	1200		66	26	4	0.9	2	100	
86LFA005001	21J/07	10	0.1	12	25	102			6.2		1200	1	81	18	1	0.6	1	102	
86LFA005101	21J/07	1		29	34	96	96	780	5.8	50	1400		130	34	8	1.8	1	136	
86LFA005201	21J/07	1	0.1	29	20	80	44	650	6	160	840		73	28	2	0.9	2	128	
86LFA005301	21J/07	1	0.1	32	24	78	48	940	5.4	30	860	1	85	27	6	2.5	2	124	
86LFA005401	21J/07	1	0.2	26	25	126			6.1		820		141	13	1	0.6	1	158	
86LFA005401	21J/07	10	0.1	10	22	122	58	970	4	65	780		134	22	3	0.3	2	162	
86LFA005501	21J/07	1	0.1	51	21	55	192	970	4.4	90	800		60	23	8	0.9	4	184	
86LFA005601	21J/07	1	0.2	32	21	80	120	890	5.2	120	680		88	29	3	1.5	4	146	
86LFA005801	21J/07	1	0.05	35	30	76	56	840	5.4	70	1000		78	30	4	1.2	2	140	
86LFA005901	21J/07	1	0.2	32	22	78	44	750	5.3	105	560		95	27	1	1	4	112	
86LFA006001	21J/07	1	0.1	14	23	72	48	890	4.3	50	760	1	92	22	5	1.6	4	146	
86LFA006001	21J/07	2	0.05	16	20	64	48	730	4	50	720	0.5	85	21	8	2.1	1	164	
86LFA006101	21J/07	1		32	19	62	56	950	5.4	45	880		70	22	12	1.7	1	120	
86LFA006501	21J/07	1	0.2	39	25	56	62	900	4.8	80	1000	1	67	36	7	2.9	1	104	
86LFA006601	21J/07	1		20	17	60	32	870	4.2	80	1400		63	19	4	1.7	4	94	

Sample	map	Obs	Ag	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Na	Ni	Pb	Sn	U	W	Zn
			ppm	ppm	ppm	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
86LFA006701	21J/06	1		11	27	56	18	890	4	90	360		52	24	7	2	4	126	
86LFA006801	21J/06	1	0.3	19	6	46	16	355	3.2	440	110	2	25	22	2.5	2	68		
86LFA006901	21J/06	1	0.1	67	16	60	106	680	3.5	310	460	4	48	39	11	4.4	8	112	
86LFA007001	21J/06	1		51	22	72	30	530	4	160	670	2	58	38	9	3.7	6	100	
86LFA007101	21J/06	1		62	19	84	40	630	4.3	140	860	1	67	36	6	2.2	2	112	
86LFA007201	21J/06	1		31	11	138	24	970	5.1	110	280		62	11	9	0.7	2	163	
86LFA007301	21J/06	1	0.1	8	19	65	42	550	4	60	540		69	21	9	4.4	4	88	
86LFA010001	21J/07	1		37	26	145	48	790	4.6	110	570		176	19	7	0.6	2	107	
86LFA010101	21J/07	1		46	30	108	48	430	7	180	2200	2	65	49	7	1.3	2	126	
86LFA010201	21J/07	1	0.1	33	13	47	16	340	3.3	120	550	1	33	20	6	1	2	102	
86LFA010301	21J/07	1		23	17	100	44	712	5	140	440	2	84	25	4	0.6	2	173	
86LFA010401	21J/07	1	0.1	31	21	97	44	455	4	175	510	2	76	44	7	2	2	65	
86LFA010501	21J/07	1	0.3	49	30	72	52	750	5.7	40	1300		84	34	1.6	2	144		
86LFA010501	21J/07	2	0.05	46	28	74	58	920	5.5	40	1400	0.5	76	31	3	1.8	2	152	
86LFA010801	21J/07	1		50	23	155	30	805	4.5	100	800	1	133	27	4	1.5	2	111	
86LFA010901	21J/07	1	0.1	83	28	56	120	840	7.3	220	980	4	77	35	9	1.9	2	120	
86LFA011001	21J/07	1	0.1	10	26	118	46	935	5	105	770		129	26	3		2	153	
86LFA011101	21J/07	1	0.1	128	15	72	46	610	4.8	240	500	4	46	60	11	3.6	14	120	
86LFA011201	21J/06	1	0.1	44	27	138			7.1		390	1	165	14	1	0.2	1	105	
86LFA011201	21J/06	10	0.1	4	28	57	56	880	4.8	75	1300	2	60	46	14	5.6	2	132	
86LFA011301	21J/07	1		55	21	64	40	490	5.6	140	800	2	55	31	2	1.2	2	132	
86LFA011401	21J/07	1		58	18	85	28	670	4.1	140	280		86	14	5		2	98	
86LFA011401	21J/07	10	0.1	39	29	80	62		7.1		860	3	81	25	1	1.1	3	159	
86LFA011501	21J/07	1		43	24	68	56	710	5	55	1000		69	26	7	1.6	2	114	
86LFA011601	21J/07	1		52	21	59	60	930	5.2	60	1000	2	73	28	3	2.3	2	114	
86LFA011701	21J/07	1	0.2	25	19	26	56	700	4	90	940		43	25	6	1	1	90	
86LFA011701	21J/07	2	0.05	22	18	26	48	820	4	85	880	0.5	45	23	11	1.5	2	100	
86LFA011801	21J/07	1		26	20	60	58	690	5	100	1000	2	70	23	8	2	2	92	
86LFA011901	21J/07	1		27	22	116	44	554	3.2	190	500	2	70	42	9	2.1	2	115	
86LFA012001	21J/07	1		51	25	68	72	690	4.5	300	620		87	43	6	4.4	2	100	
86LFA012101	21J/07	1	0.1	66	18	28	90	930	6.4	375	310	12	58	32	4	1.6	4	120	
86LFA012201	21J/07	1	0.2	62	20	100	26	884	5.4	120	410	1	93	18	7	0.2	2	120	
86LFA012301	21J/07	1		78	17	108	24	501	4.5	115	410		86	20	5	0.7	2	133	
86LFA012501	21J/07	1		29	19	56	40	700	4.4	50	96	1	58	33	9	4.2	4	90	
86LFA012601	21J/06	1		26	18	122	26	842	3.7	75	600		109	16	6	0.7	2	85	
86LFA012701	21J/07	1		39	14	53	16	357	3.2	615	700	1	42	20	7	0.7	2	137	
86LFA012801	21J/07	1		62	9	100	26	207	3	320	200	3	31	18	2	2.5	2	38	
86LFA012901	21J/07	1	0.3	39	35	50	76	660	6.4	220	92	6	80	74	5	3.4	2	128	
86LFA013001	21J/07	1	0.1	70	54	62	80	460	5.3	60	2100	1	67	46	3	2.5	2	108	
86LFA013101	21J/07	1	0.5	118	21	64	36	760	5	60	880		78	25	7	0.9	4	120	
86LFA013201	21J/07	1		35	24	69	52	920	5.8	50	6200	1	73	23	5	1.6	4	138	
86LFA013301	21J/07	1	0.1	60	21	70	50	700	5.4	110	680	2	89	25	7	1.2	2	140	
86LFA013401	21J/07	1	0.1	47	25	68	70	650	5	315	1000		75	44	6	1.3	2	92	
86LFA013501	21J/07	1		57	19	92	68	650	4.2	110	1600		80	31	4	1	4	82	
86LFA013701	21J/07	1	0.3	38	33	84	88	520	5.8	115	1300	2	111	39	2	4	4	104	
86LFA013801	21J/07	1	0.1	7	22	74	24	730	3.8	75	1000		116	26	8	0.5	2	104	
86LFA013901	21J/07	1	0.1	102	26	72	86	665	7.7	240	1500	2	108	35	2.5	4	126		
86LFA014001	21J/07	1	0.2	34	38	52	92	660	4.2	250	1300		63	45	5	2.2	2	108	
86LFA014001	21J/07	10	0.8	6	10	42			4.9		1320	1	27	7	1	1.2	1	315	

Sample	map	Obs	Ag	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Na	Ni	Pb	Sn	U	W	Zn
				ppm	ppm	ppm	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
86LFA014101	21J/03	1	0.7	62	20	60	30	540	5.6	180	580		63	30	11	1.5	4	120	
86LFA014201	21J/03	1	0.2	114	19	64	64	530	3.3	115	440	2	82	32	7	5.1	50	88	
86LFA014201	21J/03	2	0.05	102	21	62	70	600	3.2	50	440	2	77	29	3	4.8	50	92	
86LFA014301	21J/03	1		55	19	56	50	700	4.7	50	860		62	26	10	3.1	2	108	
86LFA014401	21J/03	1	0.1	58	17	59	52	1040	5.2	50	800	2	73	28	8	1.8	2	120	
86LFA014401	21J/03	10	0.1	41	21	82	56		6.7		860	2	77	23	1	1.2	2	136	
86LFA014501	21J/02	1		60	18	52	68	890	5.1	200	740	2	65	35	5	2.6	4	96	
86LFA014501	21J/02	10	0.1	30	25	74	66		6.6		740	4	70	31	1	2	4	105	
86LFA014601	21J/02	1	0.5	81	26	50	72	940	5.1	410	780	4	84	52	2	1.8	8	132	
86LFA014701	21J/02	1	0.3	44	17	48	62	810	4.6	80	700	2	73	22	3	2.2	8	104	
86LFA014801	21J/02	1		50	21	56	70	750	4.8	45	740		76	31	6	2.3	8	124	
86LFA015001	21J/02	1		70	17	56	64	850	5.6	60	840	4	69	35	7	3.1	4	118	
86LFA015101	21J/02	1	0.1	70	14	53	52	780	4.3	60	710	2	61	28	12	2.5	4	102	
86LFA015301	21J/02	1	0.1	63	18	65	60	710	5.6	60	1000		70	29	9	2.6	4	132	
86LFA015301	21J/02	2	0.05	59	19	64	60	850	5.4	45	980	0.5	71	28	10	2.7	2	144	
86LFA015401	21J/02	1	0.4	104	24	48	118	800	7.8	80	680	14	85	52	9	3.6	4	108	
86LFA015501	21J/07	1	0.1	100	55	62	116	675	6.6	240	960	4	110	61	5	1.6	4	120	
86LFA015601	21J/02	1		56	20	54	80	730	5.4	240	640	2	74	39	4	1.6	2	96	
86LFA015601	21J/02	10	0.1	41	24	84	66		6.9		660	2	76	34	1	2.3	1	112	
87LFA011801	21J/06	10	0.2	75	19	79	99	740	7.04	210	1060	1	0.92	67	46	1	5.8	11	209
87LFA011801	21J/06	11	0.1	100	27	71	87	420	6.65	80	985	1	0.81	67	56	1	5.6	3	207
87LFA011901	21J/06	10	1.4	115	15	101	65	380	4.55	60	466	3	5	31	50	1	35	64	
87LFA012001	21J/06	10	0.2	125	36	89	154	490	7.47	120	1650	2	1.97	72	36	1	5.9	17	168
87LFA012101	21J/06	10	0.4	145	37	87	99	390	7.12	50	1955	2	3.54	65	38	1	6.3	30	115
87LFA012201	21J/06	10	0.2	60	31	83	187	480	7.27	70	1235	1	0.14	76	46	3	6	10	183
87LFA012301	21J/06	10	0.4	5	24	60	69	480	5.04	100	1090	1	5	29	28	1	10	9	110
87LFA012401	21J/06	10	0.2	20	26	77	93	600	6.96	60	1210	1	0.85	56	32	1	6.1	10	145
87LFA012501	21J/06	10	0.8	75	23	55	93	440	4.81	110	755	3	4.53	36	48	1	6.3	78	88
87LFA012601	21J/06	10	0.6	50	23	65	75	570	5.17	120	1095	1	2.82	49	50	1	9.4	8	170
87LFA012701	21J/06	10	0.1	60	16	71	166	590	6.42	80	860	0.5	0.07	85	14	2	1.2	23	167
87LFA012801	21J/06	10	0.1	105	23	69	163	470	6.42	90	833	2	0.07	60	52	4	3.6	32	222
87LFA012901	21J/06	10	0.2	10	22	77	43	540	5.19	80	767	1	4.12	53	14	1	7.5	5	95
87LFA013001	21J/06	10	0.6	250	59	84	189	450	8.44	80	1655	1	0.43	85	102	4	6.2	7	374
87LFA013101	21J/06	10	4	20	19	65	77	490	5.94	90	533	1	1.03	44	22	1	5	363	
87LFA013201	21J/06	10	0.2	75	21	72	54	510	5.67	90	1085	1	0.27	60	40	1	8.7	4	224
87LFA013301	21J/06	10	1.2	125	19	76	861	630	6.91	50	1295	1	0.87	49	410	15	6.6	55	655
87LFA013401	21J/06	10	0.2	45	24	129	60	500	5.07	200	1085	1	4.78	54	72	1	6.5	6	126
87LFA013501	21J/06	10	0.4	440	22	72	495	610	7.08	80	1115	1	0.41	54	120	6	7.5	49	234
87LFA013601	21J/06	10	0.4	120	61	76	149	340	6.67	190	1490	2	2.73	77	82	1	11	133	
87LFA013701	21J/06	10	1.4	5	4	28	26	110	2.91	110	137	1	5	1	26	1	3.1	7	23
87LFA013801	21J/06	10	0.2	25	22	63	64	460	6.07	60	782	1	1.68	62	26	1	6.1	1	127
87LFA013801	21J/06	11	0.1	90	31	68	64	390	6.36	50	796	3	1.78	67	26	1	5.9	2	140
87LFA013901	21J/06	10	0.2	5	25	51	61	410	4.48	120	726	1	4.74	53	46	1	4.5	3	324
87LFA014001	21J/07	10	0.2	20	32	82	68	550	6.5	90	1165	2	1.41	79	22	1	5.1	2	106
87LFA014101	21J/07	10	0.2	20	30	90	73	530	6.2	130	832	1	1.42	75	10	1	4.1	5	99
87LFA014201	21J/06	10	1	15	23	72	64	320	5.22	100	723	1	2.93	58	32	1	4	2	118
87LFA014301	21J/06	10	0.2	80	20	40	97	450	3.87		979	3	0.08	27	32	2	1.4	60	115
87LFA014401	21J/06	10	0.2	140	21	67	63	480	6.43	70	1025	1	1.48	70	16	1	5.6	1	111
87LFA014501	21J/06	10	0.2	170	24	69	72	500	6.39	50	811	1	1.13	67	24	1	6.3	3	137

Sample	map	Obs	Ag	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Na	Ni	Pb	Sn	U	W	Zn	
87LFA014601	21J/06	10	0.2	240	25	65	77	540	6.18	250	878	1	0.93	66	32	1	6.3	4	130	
87LFA014701	21J/06	10	0.4	240	29	78	72	570	6.78	50	1165	1	1.57	60	26	1	6.2	3	172	
87LFA033001	21J/03	10	0.2	5	20	85	70	170	6.59	100	817	1	0.99	88	8	1	4.9	1	122	
87LFA033101	21J/03	10	0.2	20	20	77	77	320	6.45	70	826	1	1.53	80	14	1	2.8	1	111	
87LFA033201	21J/03	10	0.2	5	25	74	59	440	5.98	80	1195	1	1.05	76	14	1	2.8	1	110	
87LFA033301	21J/03	10	0.2	5	19	82	76	370	6.86	80	833	1	1.39	92	12	1	2.7	1	123	
87LFA033401	21J/03	10	0.2	20	24	85	64	480	6.25	230	745	1	1.65	82	14	1	2.7	1	98	
87LFA033401	21J/03	11	0.1	15	28	79	56	610	5.74	220	694	2	1.36	82	10	1		1	90	
87LFA033601	21J/03	10	0.2	10	21	73	86	510	6.55	90	1110	1	0.1	78	16	1	3.7	1	119	
87LFA033701	21J/03	10	0.2	5	20	81	61	460	6.54	80	813	1	0.07	88	10	1	2.9	1	111	
87LFA033701	21J/03	11	0.1	20	25	80	52	440	6.3	70	792	1	0.06	81	14	1	3.1	1	106	
87LFA033801	21J/03	10	0.4	5	24	83	66	450	6.56	80	1245	1	0.09	85	20	1	4.6	1	120	
87LFA033901	21J/03	10	0.2	15	20	79	62	510	6.51	70	978	1	0.08	81	20	1	3	1	112	
87LFA034001	21J/03	10	0.2	5	19	80	57	500	6.5	80	839	1	0.58	87	2	1	2.6	1	130	
87LFA034101	21J/03	10	0.2	5	20	76	56	480	6.47	70	913	1	0.47	73	6	1	5.7	1	116	
87LFA034201	21J/03	10	0.8	10	20	87	58	600	6.76	70	898	1	0.28	93	10	1	3	1	106	
87LFA034301	21J/03	10	0.2	5	20	79	47	450	6.28	70	882	1	0.17	72	8	1	2.8	1	92	
87LFA034401	21J/03	10	0.2	35	26	88	67	430	6.79	70	966	1	0.05	91	16	1	3.1	1	109	
87LFA034501	21J/03	10	0.2	50	30	103	47	480	6.87	70	918	1	0.38	91	14	1	3.3	1	294	
87LFA034601	21J/03	10	0.2	45	27	80	54	560	5.81	80	966	1	2.76	81	22	1	7.5	1	103	
87LFA034701	21J/03	10	0.2	55	27	75	55	540	6.05	70	846	1	0.93	76	14	1	2.9	1	122	
87LFA034801	21J/03	10	0.2	25	27	80	51	500	5.94	80	872	1	0.96	79	8	1	3.3	1	111	
87LFA034901	21J/03	10	0.2	25	23	69	36	520	5.53	60	641	1	1.53	68	12	1	2.9	1	95	
87LFA035001	21J/03	10	0.2	45	29	68	65	570	6.07	50	1025	1	1.21	78	20	1	2.7	1	119	
87LFA035001	21J/03	11	0.1	40	29	73	68	580	6.41	50	1060	1	1.19	78	20	1	2.6	1	117	
87LFA035002	21J/03	10	0.2	15	27	67	59	220	5.46	50	1000	1	1.28	73	18	1	2.5	1	111	
87LFA035002	21J/03	11	0.1	20	26	67	58	610	5.43	60	981	0.5	1.25	72	14	1	2.7	1	102	
87LFA035101	21J/03	10	0.2	25	30	102	51	300	6.2	60	698	1	0.22	86	8	1	4.1	1	103	
87LFA035201	21J/03	10	0.2	45	28	62	61	240	6.14	80	1275	1	1.98	66	30	1	7.2	1	124	
87LFA035301	21J/03	10	0.2	20	28	72	47	530	6.67	50	824	1	0.93	62	32	2	4.8	1	156	
87LFA035401	21J/03	10	0.2	5	26	100	49	170	5.6	70	702	1	2.47	76	10	1	2.7	1	101	
87LFA036401	21J/03	10	0.2	25	27	60	21	400	5.21	60	946	1	2.47	76	10	1	2.7	1	139	
87LFA036501	21J/03	10	0.2	15	25	72	34	460	5.83	70	877	1	1.59	73	8	1	2.9	1	83	
87LFA036601	21J/03	10	0.2	20	23	67	33	440	5.5	70	757	1	1.86	71	16	2	4.3	1	161	
87LFA036601	21J/03	11	0.1	10	22	66	33	440	5.54	60	752	1	2.03	69	22	1	4	1	152	
87LFA036701	21J/03	10	0.2	5	25	63	26	470	5.11	50	1330	1	2.03	66	18	1	2.6	1	85	
87LFA036801	21J/03	10	0.2	40	25	51	45	430	5.41	50	1095	2	2.43	35	32	6	9.7	1	124	
87LFA036901	21J/03	10	0.2	5	23	47	86	450	4.8	60	1205	1	1.52	62	34	1	10	1	102	
87LFA037001	21J/03	10	0.2	30	25	59	40	500	5.74	70	1070	2	0.63	66	24	1	19	2	105	
87LFA049301	21J/04	10	0.1	10	27	65	91	410	5.94	140	1530	0.5	1.49	81	36	1	0.4	1	144	
87LFA049401	21J/04	10	0.1	10	21	78	71	490	6.24	90	985	0.5	0.82	94	22	1	0.1	1	117	
87LFA049501	21J/04	10	0.1	2.5	20	86	45	450	5.62	120	779	0.5	0.9	89	10	1	0.6	1	100	
87LFA049601	21J/04	10	0.1	5	25	92	57	420	6.24	90	1225	0.5	0.55	89	16	1	0.1	1	124	
87LFA049701	21J/04	10	0.1	5	24	78	58	410	5.81	160	1225	0.5	0.74	81	20	1	0.1	1	99	
87LFA049801	21J/04	10	0.1	2.5	22	72	56	600	5.93	100	1090	0.5	0.5	83	14	1	0.1	1	108	
87LFA049801	21J/04	11	0.1	10	25	65	62	670	6.05	60	1030	3	0.47	79	10	1	0.4	1	108	
87LFA049801	21J/04	10	0.1	5	22	72	56	600	5.93	100	1090	0.5	0.5	83	14	1	0.1	1	108	
87LFA049901	21J/04	10	0.1	5	22	72	51	500	5.75	80	1060	0.5	1.05	76	14	1	0.1	1	106	
87LFA064301	21J/03	10	0.1	5	20	84	43	580	5.6	180	499	0.5	0.5	91	16	1	0.4	1	148	

Sample	map	Obs	Ag	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Na	Ni	Pb	Sn	U	W	Zn
			ppm	ppm	ppm	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
87LFA064401	21J/03	10	0.1	10	25	82	58	700	6.27	120	945	0.5	0.23	95	16	1	0.4	1	112
87LFA064501	21J/03	10	0.1	5	19	83	52	630	5.93	100	679	0.5	0.09	92	10	1	0.1	1	114
87LFA064601	21J/03	10	0.1	5	21	64	109	650	5.26	120	890	0.5	1.22	214	18	1	0.2	1	101
87LFA064701	21J/03	10	0.1	5	24	87	37	520	5.84	120	644	0.5	1.39	89	14	1	0.1	1	165
87LFA064801	21J/03	10	0.1	5	2	44	20	740	2.93	110	434	2	0.8	34	2	1	0.1	3	68
87LFA064901	21J/03	10	0.1	65	22	75	55	630	6.3	80	776	1	0.83	89	1	1	0.1	1	107
87LFA064901	21J/03	11	0.1	2.5	20	72	52	650	6.13	60	762	3	0.73	87	18	1	0.6	1	104
87LFA065601	21J/03	10	0.1	2.5	0.5	59	34	510	5.8	120	359	4	2.51	43	1	1	0.1	1	106
87LFA066301	21J/03	10	0.1	40	27	59	62	710	5.81	70	1025	2	0.98	79	1	1	0.4	1	114
87LFA066301	21J/03	11	0.1	5	27	59	60	820	5.87	50	1020	2	0.78	80	10	1	0.1	1	116
87LFA080001	21J/04	10	0.1	30	25	63	76	600	5.32	140	1265	2	2.78	79	38	1	0.1	1	162
87LFA080101	21J/04	10	0.1	2.5	19	73	48	740	6.36	90	1110	3	1.44	76	18	1	0.8	1	149
87LFA080201	21J/04	10	0.1	30	29	75	91	470	5.99	130	1130	0.5	2.99	71	40	1	0.1	1	139
87LFA080401	21J/04	10	0.1	2.5	0.5	53	33	540	3.53	70	629	4	5	51	14	1	2.4	1	105
87LFA080701	21J/04	10	0.1	2.5	18	59	39	400	4.43	70	640	1	5	54	6	1	0.1	1	114
87LFA080801	21J/04	10	0.1	50	20	59	57	630	5.91	70	944	2	1.27	80	1	1	0.4	1	105
87LFA080901	21J/04	10	0.1	50	22	56	85	650	5.64	100	1220	3	4.7	62	22	1	0.1	1	119
87LFA081001	21J/04	10	0.1	30	36	72	147	300	6.45	40	1485	0.5	3.04	67	252	1	0.1	1	232
87LFA081101	21J/04	10	0.1	25	24	58	75	540	6.18	50	1020	2	0.59	74	36	1	0.1	1	107
87LFA081101	21J/04	11	0.1	20	21	71	77	430	5.94	70	1040	0.5	1.01	73	22	1	0.8	1	108
87LFA081201	21J/04	10	0.1	20	23	64	60	450	6.11	80	1190	2	0.57	87	14	1	0.1	1	121
87LFA081201	21J/04	11	0.1	5	22	85	60	730	6.16	90	1270	0.5	0.71	94	16	1	0.1	1	126
87LFA081301	21J/04	10	0.1	15	21	57	87	710	6.55	80	912	3	0.63	77	40	1	0.1	1	136
87LFA081701	21J/04	10	0.1	35	17	44	144	570	5.17	50	655	4	3.87	52	28	1	0.4	1	120
87LFA081801	21J/04	10	0.1	25	23	60	101	580	4.65	90	835	1	3.23	74	16	1	0.4	1	108
87LFA082001	21J/03	10	0.1	15	22	53	76	640	5.66	60	876	3	2.05	65	24	1	0.1	1	111
87LFA082101	21J/04	10	0.2	35	19	60	46	750	5.59	90	800	1	3.2	91	26	1	0.6	1	94
87LFA082201	21J/04	10	0.1	30	26	69	55	740	6.81	70	922	2	2.06	106	26	1	0.1	1	118
87LFA082301	21J/03	10	0.1	2.5	22	69	56	820	6.41	100	712	1	2.1	100	10	1	0.1	1	114
87LFA082401	21J/03	10	0.1	30	24	73	51	350	6.3	100	980	2	1.43	103	14	1	0.4	1	120
87LFA082501	21J/03	10	0.2	2.5	25	77	53	650	6.42	90	789	5	1.37	100	26	1	0.1	1	106
87LFA082601	21J/03	10	0.2	30	21	76	61	650	7.18	80	745	4	1.11	104	6	1	0.1	1	127
87LFA082601	21J/03	11	0.1	5	19	92	55	530	6.4	80	704	0.5	1.21	96	6	1	0.1	1	117
87LFA082701	21J/03	10	0.1	2.5	24	72	92	650	6.3	110	1030	0.5	1.62	86	12	1	0.1	1	107
87LFA082901	21J/04	10	0.1	2.5	11	69	56	580	6.27	90	934	2	1.34	97	1	1	0.1	1	135
87LFA083001	21J/03	10	0.1	2.5	23	74	54	750	6.4	100	669	0.5	1.92	101	10	1	0.1	1	111
87LFA083101	21J/03	10	0.1	15	30	70	49	700	5.98	90	918	0.5	2.4	87	24	1	0.1	1	94
87LFA091001	21J/04	10	0.2	15	24	66	68	780	6.27	130	730	3	5	95	14	1	0.1	1	103
87LFA091101	21J/04	10	0.2	10	26	67	49	810	5.41	110	897	3	4.34	101	10	1	0.1	1	95
87LFA091201	21J/04	10	0.2	2.5	29	77	60	1000	6.87	120	932	1	1.58	121	1	1	0.1	1	113
87LFA091201	21J/04	11	0.1	15	24	88	58	790	6.94	130	992	0.5	1.7	128	14	1	0.1	1	114
87LFA091301	21J/05	10	0.4	35	41	87	63	1000	7.27	150	323	6	4.83	113	34	1	0.1	1	108
87LFA800001	21J/03	10	0.1	2.5	34	95	52	480	6.08	80	912	1	2.07	98		1	0.4	1	111
87LFA800001	21J/03	11	0.1	25	31	74	52	520	6.18	100	916	1	2	93	10	1	0.2	1	103
87LFA800201	21J/03	10	0.2	2.5	37	82	53	530	5.84	130	619	2	4.46	98		1	0.6	1	162
87LFA800301	21J/03	10	0.4	10	29	91	47	500	5.54	90	880	2	3.6	94		1	0.1	1	100
87LFA800401	21J/03	10	0.1	5	28	85	49	580	5.72	70	899	1	3.02	75		1	0.1	2	103
87LFA800501	21J/03	10	0.2	55	30	87	61	670	5.54	30	1384	3	0.39	61		1	1.2	4	117
87LFA800501	21J/03	11	0.1	65	29	79	64	620	5.86	50	1430	4	0.41	59	20	2	2.4	5	119

Sample	map	Obs	Ag	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Na	Ni	Pb	Sn	U	W	Zn
		ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
87LFA800601	21J/03	10	0.1	25	28	91	39	570	5.71	80	694	2	1.81	85		1	0.4	1	98
87LFA800701	21J/03	10	0.1	25	28	80	44	660	5.98	70	799	1	1.1	85		1	0.1	1	104
87LFA800801	21J/03	10	0.4	2.5	28	80	59	570	5.49	120	1636	1	4.59	75		1	1.6	1	87
87LFA800901	21J/03	10	0.1	10	28	90	46	660	5.46	70	584	1	2.15	109		1	0.4	1	125
87LFA801001	21J/03	10	0.2	10	34	83	45	550	5.69	70	1165	0.5	1.84	92		1	0.8	1	105
87LFA801101	21J/03	10	0.2	2.5	35	89	55	490	5.88	120	1241	1	2.42	95		1	0.1	1	88
87LFA801201	21J/03	10	0.1	2.5	30	96	52	590	6.07	70	845	1	1.77	93		1	0.4	* 1	101
87LFA801301	21J/03	10	0.1	15	29	93	45	620	5.78	70	873	2	1.58	87		1	0.4	1	112
87LFA801401	21J/03	10	0.2	45	28	90	57	470	5.96	90	981	2	0.92	86		1	0.1	1	107
87LFA801501	21J/03	10	0.1	45	36	92	60	620	6.23	100	1566	1	0.99	92		1	0.4	1	100
87LFA801601	21J/03	10	0.1	10	35	88	48	570	5.88	80	1059	2	0.88	88		1	0.4	1	96
87LFA801701	21J/03	10	0.2	2.5	27	87	44	620	6.1	80	913	0.5	1.06	67		1	0.4	1	103
87LFA801801	21J/03	10	0.2	2.5	21	81	32	600	4.96	110	378	1	1.03	67		1	0.1	1	109
87LFA801901	21J/03	10	0.2	5	19	77	20	690	3.19	90	258	0.5	1.37	55		1	0.8	1	97
87LFA802001	21J/03	10	0.4	15	41	96	51	700	6.37	140	888	1	1.11	96		1	2	1	114
87LFA802101	21J/03	10	0.2	15	32	99	64	620	6.85	170	1334	1	0.78	106		1	0.4	1	124
87LFA802201	21J/03	10	0.2	5	27	92	32	600	5.52	90	453	1	1.44	75		1	0.1	1	116
87LFA802301	21J/03	10	0.2	2.5	28	92	45	320	6.05	80	920	0.5	0.92	92		1	0.4	1	112
87LFA802401	21J/03	10	0.2	2.5	27	93	43	570	5.68	60	702	1	0.84	91		1	0.2	1	109
87LFA802501	21J/03	10	0.2	5	28	96	71	560	5.57	60	627	2	1.02	119		1	0.8	1	167
87LFA802601	21J/03	10	0.1	2.5	28	96	54	620	6.1	70	764	1	1.19	92		1	0.4	1	94
87LFA802701	21J/03	10	0.2	2.5	36	93	59	540	6.44	80	1133	0.5	0.87	92		1	0.8	1	107
87LFA802801	21J/03	10	0.2	20	30	92	50	450	5.77	140	759	1	2.23	83		1	0.4	1	120
87LFA803001	21J/03	10	0.4	20	28	83	42	500	5.33	90	1280	0.5	3.09	67		1	0.8	1	113
87LFA803101	21J/03	10	0.2	15	43	94	90	460	5.91	230	1350	1	4.07	76		1	1.2	1	105
87LFA803201	21J/03	10	0.1	2.5	27	71	69	570	5.79	70	868	1	0.9	66		1	0.8	1	116
87LFA803401	21J/03	10	0.1	25	29	90	33	710	5.31	80	1712	2	1.87	94		1	1.2	1	114
87LFA803501	21J/06	10	0.1	20	29	97	44	610	5.91	100	1039	1	1.59	94		1	0.4	1	95
87LFA803601	21J/06	10	0.2	2.5	29	67	28	530	4.4	110	1002	2	0.43	74		1	0.4	1	69
87LFA803701	21J/06	10	0.1	5	31	92	51	620	5.82	80	1068	1	1.16	87		1	0.4	1	97
87LFA803701	21J/06	11	0.1	5	31	78	54	630	6.34	100	1145	1	1.22	88	8	1	0.6	1	99
87LFA803801	21J/06	10	0.2	20	29	101	49	620	6.25	80	1075	1	1.32	92		1	0.8	1	105
87LFA803901	21J/06	10	0.4	10	34	88	48	650	5.76	100	1517	1	3.12	88		1	0.8	1	92
87LFA804001	21J/06	10	0.4	10	28	96	42	600	5.25	110	1083	0.5	4.31	76		1	0.8	1	94
87LFA804101	21J/06	10	0.2	2.5	30	76	45	610	5.76	170	1026	1	2.06	81		1	1.2	1	94
87LFA804201	21J/06	10	0.4	20	26	79	36	600	4.71	100	1034	2	5	72		1	0.4	1	68
87LFA804301	21J/06	10	0.2	5	28	84	43	600	5.81	110	843	0.5	1.8	87		1	1	1	94
87LFA804401	21J/06	10	0.2	5	29	71	33	450	5.35	80	1533	1	2.53	67		1	0.4	1	92
87LFA804501	21J/06	10	0.2	10	33	81	55	380	5.79	200	1518	0.5	2.1	83		1	0.8	1	97
87LFA804601	21J/06	10	0.2	20	29	40	40	620	4.7	420	1164	0.5	0.66	67		1	0.6	1	86
87LFA804601	21J/06	11	0.1	15	27	28	38	650	4.59	460	1120	1	0.61	59	8	1	0.1	1	78
87LFA804701	21J/06	10	0.2	20	35	89	62	520	5.99	120	1033	2	1.15	72		1	2.4	5	108
87LFA804801	21J/06	10	0.2	10	32	105	78	350	5.22	100	446	2	1.29	70		1	4.8	5	110
87LFA804901	21J/06	10	0.2	20	25	46	29	590	4.21	90	1352	2	1.74	37		1	7.6	3	102
87LFA805001	21J/06	10	0.2	2.5	27	73	36	460	4.65	140	478	3	3.02	45		1	2	6	81
87LFA805101	21J/06	10	0.2	55	26	74	32	490	5.17	90	669	3	0.78	56		1	2	8	102
87LFA805201	21J/06	10	0.2	40	29	83	50	590	5.93	90	762	0.5	1.2	86		1	0.6	1	112
87LFA805201	21J/06	11	0.1	30	29	74	53	760	6.35	120	800	1	1.13	88	6	1	0.4	1	110
87LFA805202	21J/06	10	0.2	20	29	87	53	600	6.34	90	798	0.5	1.54	92		1	2.4	1	121

Sample	map	Obs	Ag	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Na	Ni	Pb	Sn	U	W	Zn
			ppm	ppm	ppm	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
87LFA805202	21J/06	11	0.1	35	29	72	54	690	6.4	110	795	0.5	1.75	87	6	1	0.2	1	113
87LFA805301	21J/06	10	0.2	30	29	70	34	580	5.27	70	1206	1	1.11	65	1	1	1.6	4	95
87LFA805401	21J/06	10	0.2	20	28	60	54	290	3.44	180	593	0.5	1.64	57	1	1	0.8	1	38
87LFA805501	21J/06	10	0.2	2.5	43	91	37	340	6.55	70	1330	1	3.8	78	1	1	1.2	3	117
87LFA805601	21J/06	10	0.2	45	21	68	27	260	4.32	160	464	1	2.93	52	1	1	0.8	1	83
87LFA805701	21J/06	10	0.2	45	28	63	34	320	4.44	90	920	0.5	2.81	62	1	1	0.8	1	105
87LFA805801	21J/06	10	0.2	2.5	25	50	37	370	4.26	50	831	1	1.83	50	1	1	0.8	1	99
87LFA805901	21J/06	10	0.2	2.5	27	60	30		4.45	80	919	1	4.37	58	1	1	0.8	1	131
87LFA806001	21J/06	10	0.2	20	32	68	42		4.44	70	1529	2	5	61	2	2	1.2	3	118
87LFA806101	21J/06	10	0.2	30	26	58	21	400	4.04	30	1041	2	2.52	46	1	1	0.8	1	78
87LFA806201	21J/06	10	0.2	5	24	61	24	350	3.93	70	733	0.5	3.4	50	1	1	0.8	1	73
87LFA806301	21J/06	10	0.2	15	24	72	31	380	4.13	100	429	0.5	2.11	50	1	1	0.4	1	66
87LFA806401	21J/06	10	0.2	80	44	109	64	370	8.29	70	2113	3	5	93	1	1	2	1	149
87LFA806501	21J/06	10	0.2	40	37	130	14	280	6.24	30	1163	1	0.69	76	2	2	1.6	1	88
87LFA806601	21J/06	10	0.2	50	39	129	18	200	6.25	30	1304	2	4.65	71	1	1	1.6	1	85
87LFA806701	21J/06	10	0.2	10	23	56	27	410	4.03	80	503	1	0.75	45	1	1	2.8	3	87
87LFA806801	21J/06	10	0.2	35	28	70	49	500	5.81	70	1205	2	2.82	63	1	1	5.2	4	118
87LFA806901	21J/06	10	0.2	35	24	49	31	410	4.48	50	1154	2	3.44	42	1	1	13.2	4	109
87LFA807001	21J/06	10	0.2	45	33	89	41	540	5.16	70	1459	2	4.68	85	1	1	1.2	1	102
87LFA807101	21J/06	10	0.2	40	28	83	39	430	4.95	90	1121	0.5	4.41	74	1	1	0.8	1	116
87LFA807201	21J/06	10	0.2	50	35	88	46	440	5.36	50	832	1	2.89	85	132	1	0.8	1	262
87LFA807301	21J/06	10	0.2	20	28	81	45	290	5.26	30	1082	2	2.03	77	1	1	1.2	1	168
87LFA807401	21J/06	10	0.2	25	28	71	34	490	4.8	140	870	1	1.33	68	42	1	0.6	1	112
87LFA807601	21J/06	10	0.2	40	33	82	32	430	4.66	110	1298	1	1.2	77	1	1	0.8	1	211
87LFA807701	21J/06	10	0.2	25	30	94	49	450	6.24	70	930	1	0.85	92	1	1	0.6	1	123
87LFA807901	21J/06	10	0.2	2.5	27	55	28	450	4.18	40	798	1	0.52	54	1	1	1.6	1	82
87LFA808001	21J/06	10	0.2	100	28	69	53	280	4.81	90	706	1	5	51	1	1	1.2	7	93
87LFA808101	21J/06	10	0.2	35	21	58	23	360	3.57	100	400	2	1.53	44	1	1	0.4	1	73
87LFA808201	21J/06	10	0.2	255	27	53	30	330	5.38	70	1130	2	2.26	47	38	1	3	175	91
87LFA808301	21J/06	10	0.2	30	33	75	38	450	5.31	80	955	1	1.36	62	1	1	1.2	1	114
87LFA808401	21J/06	10	0.2	35	25	64	27	390	4.7	130	860	3	1.66	40	1	1	2.4	3	74
87LFA808501	21J/06	10	0.2	40	33	88	49	380	5.88	60	720	2	0.98	63	1	1	1.2	6	103
87LFA808601	21J/06	10	0.6	85	42	71	46	360	5.54	130	595	4	3.71	195	1	1	1.8	3	168
87LFA808701	21J/06	10	0.2	10	30	72	33	300	5.11	70	954	0.5	2.7	61	1	1	2.4	1	98
87LFA808801	21J/06	10	0.2	25	26	72	42	300	4.79	120	844	1	2.19	53	36	1	3.6	5	97
87LFA808901	21J/06	10	0.2	55	30	86	49	320	5.29	70	812	1	2.59	73	1	1	0.8	1	112
87LFA809001	21J/06	10	0.2	25	40	57	136	520	4.72	120	563	2	5	59	1	1	1.2	1	114
87LFA809101	21J/07	10	0.1	10	43	72	71	400	6.38	80	680	1	3.23	83	1	1	0.8	3	116
87LFA809201	21J/07	10	0.2	35	43	68	56	300	4.63	100	796	1	5	73	1	1	1	5	90
87LFA809301	21J/07	10	0.2	65	43	68	73	470	6.22	60	1355	1	1.1	82	28	1	1.6	3	120
87LFA809401	21J/07	10	0.2	65	36	75	63	400	5.71	120	1060	3	3.04	77	1	1	1.4	1	120
87LFA809501	21J/04	10	0.2	15	30	96	56	660	6.57	90	932	0.5	1.41	108	1	1	0.4	1	122
87LFA809601	21J/04	10	0.2	15	34	94	58	540	6.53	90	1064	0.5	1.27	96	1	1	0.1	1	117
87LFA809701	21J/04	10	0.2	10	34	96	59	540	6.41	90	1107	2	1.44	103	1	1	0.1	1	111
87LFA809801	21J/04	10	0.2	2.5	29	71	38	640	4.97	60	1127	0.5	0.85	80	1	1	0.1	1	95
87LFA809801	21J/04	11	0.1	15	30	58	38	720	5.06	70	1125	0.5	0.85	76	8	1	0.1	1	87
87LFA809901	21J/04	10	0.2	5	30	84	49	600	5.5	80	1066	0.5	1.84	85	1	1	0.1	1	109
87LFA810001	21J/03	10	0.2	2.5	40	131	49	370	5.92	80	1303	0.5	2.05	84	1	1	0.6	1	62
87LFA810101	21J/03	10	0.2	10	29	64	46	540	4.71	60	1251	0.5	0.8	50	1	1	0.1	3	86

Sample	map	Obs	Ag	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Na	Ni	Pb	Sn	U	W	Zn
			ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
87LFA810101	21J/03	11	0.1	10	30	60	50	640	5.12	70	1330	0.5	0.83	52	16	1	0.4	3	83
87LFA810201	21J/03	10	0.2	2.5	29	66	31	560	4.8	70	1697	0.5	2.31	52		1	0.1	3	64
87LFA810301	21J/03	10	0.2	5	24	66	22	460	4.16	50	488	0.5	3.5	50		1	0.1	3	61
87LFA810401	21J/03	10	0.2	5	24	57	21	510	4.08	50	769	0.5	3.38	49		1	0.1	3	71
87LFA810501	21J/03	10	0.2	25	28	76	42	420	5.1	90	956	2	3.97	62		1	0.8	1	72
87LFA810601	21J/03	10	0.2	2.5	26	64	30	510	4.78	70	827	1	4.27	63		1	0.1	1	86
87LFA810701	21J/03	10	0.2	2.5	26	74	39	540	5.21	70	708	1	2.72	62		1	0.1	1	95
87LFA810901	21J/03	10	0.2	20	35	94	56	340	5.73	50	1022	1	4.31	89		1	0.8	1	103
87LFA811001	21J/03	10	0.2	5	26	45	25	590	4.42	130	1087	1	4.03	29		1	5.8	1	102
87LFA811101	21J/03	10	0.2	20	28	67	48	380	6.02	30	968	6	1.72	45		1	28	1	121
87LFA811201	21J/03	10	0.2	15	22	42	44		4.07	80	1080	0.5	5	36		2	3	1	81
87LFA811301	21J/03	10	0.2	15	21	37	24	430	3.54	70	981	1	4.46	26		1	2.8	1	67
87LFA811401	21J/03	10	0.2	5	24	42	34	540	4.25	30	1197	1	2.18	27		1	6	1	96
87LFA811501	21J/03	10	0.2	15	14	32	35		3.36	60	1196	2	5	44		2	4	1	75
87LFA811601	21J/03	10	0.2	2.5	22	51	28	350	5.42	20	685	0.5	3.57	35		1	3.2	1	101
87LFA811701	21J/03	10	0.2	2.5	24	36	25	500	4.09	30	1431	0.5	3.61	28		1	3.2	1	91
87LFA811801	21J/06	10	0.2	5	29	86	59	460	6.56	100	1054	2	2.63	88		1	0.4	1	120
87LFA811901	21J/06	10	0.2	5	30	69	46	530	5.51	100	1875	0.5	1.08	87		1	0.4	1	94
87LFA812001	21J/06	10	0.2	55	38	109	62	460	5.85	60	1266	1	2.59	93		1	0.2	1	108
87LFA812101	21J/06	10	0.2	30	29	75	38	610	4.95	50	1605	1	0.56	78		1	0.8	1	100
87LFA812101	21J/06	11	0.1	35	29	62	37	580	4.99	60	1590	1	0.53	69	18	1	0.4	1	90
87LFA812201	21J/06	10	0.2	15	30	124	49	310	5.96	70	831	1	2.63	93		1	0.8	1	65
87LFA812301	21J/06	10	0.1	30	29	90	60	410	6	110	1127	1	1.16	100		1	0.2	2	99
87LFA812401	21J/06	10	0.2	20	28	88	57	380	5.88	120	1328	1	3.25	91		1	0.1	1	99
87LFA812501	21J/06	10	0.1	20	29	87	58	410	6.06	110	989	2	2.26	88		1	0.2	1	109
87LFA812601	21J/06	10	0.2	2.5	13	65	29	400	3.44	80	275	2	4.39	45		1	0.6	1	71
87LFA812701	21J/06	10	0.2	35	29	88	62	570	6.32	110	908	2	2.13	96		1	0.4	2	117
87LFA812801	21J/06	10	0.1	10	29	83	57	650	6	140	1302	2	1.21	88		1	0.1	2	108
87LFA812901	21J/06	10	0.1	25	32	93	59	560	6.43	140	1422	0.5	1.39	97		1	0.4	1	114
87LFA813001	21J/06	10	0.2	20	28	61	34	580	4.68	60	1062	2	0.27	72		1	0.8	1	88
87LFA813101	21J/06	10	0.2	15	30	89	55	730	6.47	100	1133	1	0.44	100		1	0.1	1	117
87LFA813201	21J/06	10	0.2	35	30	84	52	710	6.2	110	1012	1	0.75	96		1	0.4	1	121
87LFA813301	21J/06	10	0.1	25	30	84	51	720	5.58	90	1146	1	1.26	83		1	0.1	1	109
87LFA813401	21J/06	10	0.2	5	29	85	45	630	5.54	80	1233	0.5	0.81	98		1	0.4	1	103
87LFA813501	21J/06	10	0.2	20	42	93	46	680	6.69	120	1663	2	1.13	91		1	0.1	1	107
87LFA813601	21J/06	10	0.2	5	30	81	55	590	6.15	170	1086	2	1.03	86		1	0.4	1	115
87LFA813701	21J/06	10	0.2	25	12	88	22	740	3.2	100	249	2	0.97	18		1	0.4	1	43
87LFA813801	21J/06	10	0.1	35	30	88	55	820	5.48	170	983	0.5	1.84	108		1	0.1	1	115
87LFA813901	21J/06	10	0.1	2.5	24	76	46	700	5.29	170	650	0.5	1.71	85		1	0.4	1	91
87LFA814001	21J/06	10	0.1	10	29	82	53	630	6.18	110	801	1	0.97	91		1	0.1	1	117
87LFA814101	21J/06	10	0.1	15	26	88	48	670	6.03	100	641	2	1.9	91		1	0.1	1	108
87LFA814201	21J/02	10	0.4	2.5	21	69	34	640	4.47	50	499	1	2.27	45		1	22	2	96
87LFA814301	21J/02	10	0.1	30	28	71	50	670	5.81	50	828	1	1.93	61		1	1.2	1	117
87LFA814401	21J/02	10	0.2	20	28	63	51	620	5.04	80	1130	1	2.94	60	20	1	2.8	3	101
87LFA814501	21J/06	10	0.2	20	27	79	37	560	4.95	60	866	2	0.97	71		1	0.4	1	94
87LFA814601	21J/06	10	0.1	20	29	87	45	600	5.53	80	924	2	1.71	84		1	0.4	1	97
87LFA814601	21J/06	11	0.1	20	28	71	46	670	5.81	90	960	0.5	1.69	82	10	1	0.1	1	92
87LFA814701	21J/06	10	0.1	2.5	29	90	61	640	6.8	130	1165	0.5	0.65	97		1	0.4	1	117
87LFA814801	21J/06	10	0.1	25	26	64	30	510	4.55	80	947	1	0.26	65		1	0.4	2	73

Sample	map	Obs	Ag	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Na	Ni	Pb	Sn	U	W	Zn
				ppm	ppm	ppm	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
87LFA814901	21J/06	10	0.1	2.5	25	47	19	520	3.76	40	649	0.5	1.06	46		1	0.8	6	51
87LFA815001	21J/06	10	0.2	5	14	36	16	340	2.47	70	630	1	2.48	34		1	2	3	38
87LFA815101	21J/06	10	0.2	10	14	41	21	310	2.64	60	752	1	5	26		1	2.8	1	46
87LFA815201	21J/07	10	0.1	45	29	67	64	580	5.69	50	594	16	0.66	61		1	2.8	4	97
87LFA815301	21J/07	10	0.1	10	29	74	46	570	5.76	50	888	1	0.64	68		1	1.2	1	106
87LFA815301	21J/07	11	0.1	15	30	62	46	530	5.96	40	904	1	0.63	66	18	1	0.4	1	101
87LFA815401	21J/07	10	0.1	20	39	80	64	580	6.05	80	979	3	0.88	88		1	1.6	3	126
87LFA815501	21J/07	10	0.1	35	37	89	65	450	6.67	60	873	3	0.73	88		2	2	2	129
87LFA815501	21J/07	11	0.1	40	35	72	66	590	6.87	60	890	3	0.72	83	24	1	0.8	1	120
87LFA815601	21J/07	10	0.1	2.5	28	54	48		5.2	50	454	1	0.97	52		1	0.8	4	111
87LFA815701	21J/07	10	0.4	45	37	84	66	440	6.25	90	846	5	1.16	92		1	1.6	2	116
87LFA815801	21J/07	10	0.1	35	27	52	47	240	4.71	200	969	2	1.19	59		1	0.4	1	86
87LFA815901	21J/07	10	0.1	20	27	50	46	280	4.51	90	900	0.5	2.17	51		1	1.2	1	77
87LFA816001	21J/07	10	0.2	25	29	73	46	320	5.66	40	1048	0.5	2.74	61		1	0.8	3	121
87LFA816101	21J/07	10	0.2	35	38	76	57	440	6.15	40	1617	2	1.96	74		1	1.6	3	127
87LFA816201	21J/07	10	0.1	35	42	67	89	500	7.06	90	1009	5	1.21	73		1	1.6	4	119
87LFA816301	21J/07	10	0.1	60	37	80	95	450	6.7	90	1181	2	2.9	60		1	2.8	11	142
87LFA816401	21J/07	10	0.1	20	27	66	45	480	5.19	60	1079	0.5	1.65	52		1	2.4	2	108
87LFA816501	21G/13	10	0.1	40	29	79	51	570	5.54	120	951	0.5	2.52	81		1	0.4	1	107
87LFA816601	21G/13	10	0.1	20	28	79	59	540	5.91	100	1094	1	1.75	88		1	0.4	1	133
87LFA816701	21G/13	10	0.6	55	23	53	51	640	5.08	120	499	13	4.82	50		1	0.8	3	139
87LFA816901	21G/13	10	0.1	20	28	74	56	370	5.72	70	1158	2	2.12	73		1	0.8	3	106
87LFA817001	21G/13	10	0.1	35	28	77	64	470	6	80	1038	2	1.7	74		1	0.4	1	117
87LFA817101	21G/13	10	0.2	10	29	74	70	370	5.72	130	1333	1	3.65	71		1	1.4	3	110
87LFA817201	21G/13	10	0.1	20	28	82	54	520	5.49	90	996	1	1.64	75		2	1	1	108
87LFA817301	21G/13	10	0.2	30	28	73	63	260	5.76	80	1270	3	2.17	84		1	0.4	1	108
87LFA817401	21G/13	10	0.2	20	29	67	78	500	5.37	130	1363	2	3.19	74		1	1.4	1	117
87LFA817501	21G/13	10	0.1	20	34	76	83	420	6.01	90	1430	1	1.83	69		1	0.8	1	112
87LFA817601	21G/13	10	0.1	5	29	103	70	430	5.9	80	1044	1	2.17	88		1	0.6	1	97
87LFA817601	21G/13	11	0.1	30	30	89	72	510	6.19	60	1075	1	2.19	87	2	1	0.4	1	92
87LFA817701	21G/13	10	0.2	5	37	106	120	360	6.37	100	1422	0.5	1.73	88		1	0.4	1	107
87LFA817801	21G/13	10	0.2	2.5	27	98	60	440	5.15	120	723	1	4.05	81		1	0.6	1	132
87LFA817901	21G/03	10	0.1	20	31	74	88	530	6.18	80	1540	1	2.22	78		1	1.2	1	116
87LFA818101	21G/03	10	0.1	2.5	28	79	67	360	5.92	70	1117	0.5	2.5	77		1	0.8	1	97
87LFA818201	21G/13	10	0.1	5	36	116	114	360	6.63	130	1301	1	1.75	76		1	0.8	1	111
87LFA818301	21G/13	10	0.1	15	29	80	61	460	5.3	100	1333	0.5	2.66	72		1	0.4	1	92
87LFA818401	21G/13	10	0.1	25	33	71	82	570	5.74	80	1839	1	1.87	108		1	0.8	1	96
87LFA818501	21G/13	10	0.1	10	29	65	60	600	5.74	100	1409	1	1.69	71		1	0.8	1	99
87LFA818601	21G/13	10	0.1	30	28	64	58	530	5.51	90	1461	1	1.91	74		1	0.8	1	99
87LFA818701	21G/13	10	0.1	20	29	66	65	340	5.57	120	2399	1	4.34	83		1	0.8	1	96
87LFA818801	21G/13	10	0.1	25	30	63	65	590	5.93	120	1432	3	3.59	76		1	2	1	96
87LFA818901	21G/13	10	0.1	15	29	72	59	510	5.57	80	1257	0.5	1.8	86		1	2	1	117
87LFA819001	21G/13	10	0.1	45	29	68	62	330	5.78	80	1264	0.5	2.89	106		1	1.2	1	99
87LFA819101	21G/14	10	0.2	5	27	53	46	520	4.57	50	989	1	0.89	57		1	1.2	1	106
87LFA819201	21G/14	10	0.1	35	28	68	57	430	5.46	70	1012	0.5	2.33	73		1	0.8	1	82
87LFA819301	21G/14	10	0.1	40	29	71	57	760	5.7	70	1007	2	0.73	73		1	0.6	1	98
87LFA819401	21J/07	10	0.2	25	29	61	44	610	5.18	60	809	2	0.32	65		1	0.8	3	98
87LFA819501	21J/07	10	0.2	15	26	57	44	620	5.04	60	832	2	0.45	55		1	0.6	3	94
87LFA819601	21J/07	10	0.1	20	28	61	40	570	5.02	80	969	2	0.66	69		1	0.4	3	100

Sample	map	Obs	Ag	As	Co	Cr	Cu	F	Fe	Hg	Mn	Mo	Na	Ni	Pb	Sn	U	W	Zn
87LFA819701	21J/07	10	0.1	5	29	110	29	450	4.66	50	903	1	0.65	119		1	0.1	3	76
87LFA819801	21J/07	10	0.2	40	28	57	53	680	5.43	180	622	0.5	0.27	63		1	0.8	4	102
87LFA819801	21J/07	11	0.1	15	31	55	61	530	6.34	180	711	2	0.32	73	26	1	0.4	1	108
87LFA819901	21J/02	10	0.1	50	30	56	65	570	5.56	170	688	3	0.38	73		1	0.8	1	98
87LFA820001	21J/04	10	0.1	10	25	64	35	620	4.55	60	808	0.5	0.24	72		1	0.1	1	74
87LFA820001	21J/04	11	0.1	20	28	60	38	400	5.03	70	874	0.5	0.26	73	10	1	0.1	1	75
87LFA820101	21J/04	10	0.2	2.5	23	60	27	860	4.26	40	444	0.5	0.14	68		1	0.1	1	74
87LFA820201	21J/04	10	0.1	25	29	64	43	630	4.91	60	1192	1	0.16	72		1	0.4	1	98
87LFA820201	21J/04	11	0.1	25	30	58	45	550	5.36	70	1280	0.5	0.16	74	22	1	0.4	1	98
87LFA820301	21J/04	10	0.2	15	29	83	65	630	5.27	160	1663	0.5	2.41	74		1	1.6	1	94
87LFA820401	21J/04	10	0.1	35	29	75	78	570	6.21	130	1282	1	0.47	88		1	0.2	1	118
87LFA820501	21J/04	10	0.1	15	27	56	32	500	4.44	60	1089	1	0.25	60		1	0.4	1	80
87LFA820601	21J/04	10	0.1	30	29	81	61	580	5.78	90	1386	0.5	0.71	85		1	0.2	1	106
87LFA820701	21J/04	10	0.1	10	25	53	59	600	5	40	1563	0.5	0.34	73		1	0.4	1	97
87LFA820702	21J/04	10	0.1	15	24	51	58	550	4.93	50	1402	0.5	0.3	74		1	0.1	1	94
87LFA820702	21J/04	11	0.1	25	32	59	68	630	6.03	60	1590	0.5	0.34	87	12	1	0.4	1	100
87LFA820801	21J/04	10	0.1	30	28	70	73	640	5.69	160	1793	0.5	0.86	100		1	0.1	1	136
87LFA820901	21J/04	10	0.1	10	19	78	54	580	5.68	110	786	0.5	0.39	102		1	0.1	1	115
87LFA821001	21J/04	10	0.1	20	25	82	64	660	6.65	110	1004	0.5	0.4	111		1	0.4	1	120
87LFA821101	21J/06	10	0.1	30	26	90	60	610	6.71	110	1164	0.5	0.57	104		1	0.1	1	113
87LFA821201	21J/06	10	0.1	10	17	70	35	580	4.94	60	623	0.5	0.33	75		1	0.1	1	96
87LFA821301	21J/06	10	0.1	30	20	84	53	590	6.13	70	783	0.5	0.54	99		1	0.1	1	113
87LFA821401	21J/06	10	0.1	15	19	53	37	580	4.27	60	1124	0.5	0.43	71		1	0.1	1	78
87LFA821501	21J/06	10	0.1	30	16	81	28	610	5.36	100	572	0.5	0.96	69		1	0.1	1	109
87LFA821601	21J/06	10	0.1	25	22	76	52	640	6.16	90	1014	0.5	0.44	89		1	0.1	1	124
87LFA821701	21J/04	10	0.1	30	18	79	65	610	5.73	100	1507	0.5	3.23	82		1	0.8	1	151
87LFA821801	21J/06	10	0.1	20	15	43	20	620	4.46	50	745	0.5	0.76	49		1	0.1	4	64
87LFA821901	21J/06	10	0.1	25	12	18	17	610	3.15	30	1020	0.5	0.83	14		1	0.8	1	35
87LFA822001	21J/04	10	0.1	30	18	79	65	610	5.73	100	1507	0.5	3.23	82		1	0.8	1	118
87LFA822201	21J/03	10	0.1	10	19	73	61	620	5.6	50	872	0.5	1.48	67		1	0.1	1	148
87LFA822301	21J/04	10	0.1	25	24	78	58	540	6.09	90	1151	0.5	1.23	80		1	0.1	1	123
87LFA822501	21J/03	10	0.1	35	25	65	92	620	6.11	70	1370	0.5	0.32	72		1	0.4	1	122
87LFA822501	21J/03	11	0.1	25	31	59	93	650	6.44	80	1340	2	0.39	70	32	1	0.1	1	112
87LFA822701	21J/03	10	0.1	10	24	67	46	590	5.26	50	1557	0.5	0.5	66		1	0.4	1	104
87LFA822901	21G/14	10	0.1	25	28	64	85	570	6.39	60	2088	0.5	0.76	85		1	0.4	1	142
87LFA823001	21J/03	10	0.1	35	31	74	105	550	5.64	100	1312	0.5	3.49	133		1	0.6	1	217
87LFA823101	21J/04	10	0.1	25	19	72	40	480	5.69	100	1599	0.5	4.02	83		1	0.8	1	147
87LFA823301	21J/04	10	0.1	50	23	74	44	560	5.91	90	933	0.5	2.02	89		1	0.4	1	103
87LFA823401	21J/04	10	0.1	15	27	64	52	560	5.13	130	1862	0.5	3.09	89		1	0.1	1	86
87LFA823701	21J/04	10	0.1	2.5	31	75	69	570	6.4	100	1335	1	1.74	106		1	0.1	1	100
87LFA824001	21J/04	10	0.1	15	32	67	89	490	6.32	80	1776	0.5	1.24	107		1	0.1	1	98
87LFA824101	21J/04	10	0.1	35	36	81	74	460	6.97	90	1472	1	1.25	103		1	0.1	1	115
87LFA824201	21G/14	10	0.1	25	31	65	52	622	6.22	100	2177	2	4.87	79		1	0.4	1	146
87LFA824301	21G/14	10	0.1	15	31	78	90	580	7.01	60	1156	1	0.91	84		1	0.1	1	119
87LFA824301	21G/14	11	0.1	25	29	61	82	650	6.42	70	1065	0.5	0.82	71	16	1	0.1	1	102
87LFA824501	21G/14	10	0.1	25	30	71	74	490	6.64	80	1520	1	1.17	80		1	0.4	1	120
87LFA824601	21G/14	10	0.1	30	28	68	39	510	5.36	60	991	0.5	3.16	67		1	0.1	1	92
87LFA824701	21G/14	10	0.1	30	30	71	50	460	5.62	90	1027	1	4.32	76		1	0.1	1	99

SUMMARY STATISTICS

	Ag ppm	As ppm	Co ppm	Cr ppm	Cu ppm	F ppm	Fe pct	Hg ppb	Mn ppm	Mo ppm	Na ppm	Ni ppm	Pb ppm	Sn ppm	U ppm	W ppm	Zn ppm
Sample size	621	873	873	873	869	622	873	556	873	684	465	873	594	745	833	767	873
Maximum	4.00	664.0	61.0	162	861.0	1500	12.5	615	7900	340.0	7.96	214	1544	53.0	28.0	2000	655
Minimum	0.05	2.5	0.5	18	0.5	80	1.55	18	46	0.5	0.05	1	1	0.5	0.1	1	12
Average (\bar{x})	0.20	34.2	24.8	73	59.8	597	5.822	95	1113	3.0	1.74	76	33	2.6	1.6	11	118
Stand. deviation (σ)	0.27	47.0	7.2	18	50.4	200	1.121	58	669	19.2	1.38	24	100	4.1	2.4	125	45
$\bar{x}+2\sigma$	0.73	128.1	39.2	110	160.6	997	8.063	211	2452	41.3	4.51	125	233	10.8	6.4	261	208

TABLE IV : GEOCHEMISTRY OF THE SILT PLUS CLAY (< 63 um) FRACTION OF TILL, SOUTHERN MIRAMICHI ZONE, NEW BRUNSWICK

sample	Map	obs	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W
			ppm	ppb	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm
83KAR140001	21J/05	10									1.6			
83KAR140101	21J/05	10	10	6					1		0.2			
83KAR140201	21J/05	10	3	4					1		0.2			
83KAR140301	21J/05	10	11	4					1		0.2			
83KAR140401	21J/05	10	9	0.5					1		0.4			
83KAR140501	21J/05	10		5										
83KAR140601	21J/05	10		4							0.2			
83KAR140701	21J/05	10	9	5					1		0.4			
83KAR140801	21J/05	10		2							0.2			
83KAR140901	21J/05	10	7	2					1		0.4			
83KAR141701	21J/05	10		6							0.6			
83KAR144201	21J/05	10	4	3					1		0.2			
83KAR144301	21J/05	10	6	5					1		0.1			
83KAR144401	21J/05	10	5	0.5					1		0.2			
83KAR144501	21J/05	10	12	5					1		0.2			
83KAR144601	21J/05	10	9	0.5					1		0.4			
83KAR144701	21J/06	10	6	0.5					1		0.4			
83KAR144801	21J/06	10	11	4					1		0.2			
83KAR144901	21J/06	10	12	2					1		0.3			
83KAR145001	21J/06	10	19	2					1		0.4			
83KAR145101	21J/06	10		3					1		0.2			
83KAR145201	21J/06	10	4	2					1		0.2			
83KAR145301	21J/06	10	11	4					1		0.4			
83KAR145401	21J/06	10	6	2					1		0.2			
83KAR145501	21J/06	10	9	2					1		0.1			
83KAR145601	21J/06	10	4	1					1		0.2			
83KAR145801	21J/06	10	29	2					2		5.0			
83KAR145901	21J/06	10	6	0.5					1		0.6			
83KAR146001	21J/06	10	46	2					2		1.4			
83KAR146101	21J/06	10	7	0.5					1		1.2			
83KAR146201	21J/06	10	5	0.5					1		0.1			
83KAR146201A	21J/06	10	5	0.5					1		0.4			
83KAR146301	21J/06	10	6	0.5					1		0.2			
83KAR146401	21J/06	10	1	0.5					1		0.2			
83KAR146501	21J/05	10	15	2					1		0.1			
83KAR146601	21J/04	10		9							0.2			
83KAR146701	21J/04	10	10	2					1		0.3			
83KAR146801	21J/04	10	22	0.5					1		0.3			
83KAR146901	21J/04	10	6	5					1		0.2			
83KAR147001	21J/04	10	9	0.5					1		0.2			
83KAR147101	21J/04	10	7	5					1		0.2			
83KAR147201	21J/04	10	4	4					1		0.3			
83KAR147301	21J/04	10	9	3					1		0.4			
83KAR147401	21J/04	10	4	0.5					1		0.4			
83KAR147501	21J/04	10	5	0.5					1		0.2			

sample	Map	obs	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W
			ppm	ppb	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm
83KAR147601	21J/04	10	6	4					1		0.4			
83KAR147701	21J/04	10	12	3					1		1.0			
83KAR147801	21J/04	10	10	3					1		0.4			
83KAR147901	21J/04	10	6	5					1		0.2			
83KAR148001	21J/04	10	6	2					1		0.2			
83KAR148101	21J/04	10	7	1					1		0.4			
83KAR148201	21J/04	10	7	6					1		0.4			
83KAR148301	21J/04	10	7	2					1		0.8			
83KAR148401	21J/04	10	9	2					1		0.4			
83KAR148501	21J/04	10	6	1					1		0.4			
83KAR148601	21J/03	10	6	4					1		0.3			
83KAR148701	21J/03	10	4	0.5					1		0.2			
83KAR148801	21J/03	10	6	10					1		0.2			
83KAR148901	21J/03	10	9	1					1		0.3			
83KAR149001	21J/03	10	36	6					1		0.2			
83KAR149101	21J/03	10	5	0.5					1		0.2			
83KAR149201	21J/03	10	32	4					1		3.4			
83KAR149301	21J/03	10	12	2					1		0.6			
83KAR149401	21J/03	10	15	2					1		1.0			
83KAR149501	21J/03	10	6	0.5					1		0.8			
83KAR149601	21J/03	10	3	3					1		0.2			
83KAR149701	21J/03	10	3	2					1		0.3			
83KAR149801	21J/03	10	4	0.5					1		0.2			
83KAR149901	21J/03	10	19	4					1		1.0			
83KAR150001	21J/03	10	3	2					1		0.1			
83KAR150101	21J/03	10	19	4					2		0.2			
83KAR150201	21J/03	10	11	4					1		1.2			
83KAR150301	21J/03	10	14	2					1		1.0			
83KAR150601	21J/02	10	19	0.5					1		0.1			
83KAR150701	21J/02	10	100	6					1		2.6			
83KAR150801	21J/04	10	9	2					1		0.8			
83KAR150901	21J/04	10	9	4					1		0.8			
83KAR151001	21J/03	10	6	0.5					1		0.3			
83KAR151101	21J/03	10	5	0.5					1		0.4			
83KAR151201	21J/03	10	9	1					1		0.2			
83KAR151301	21J/03	10	10	2					1		1.0			
83KAR151401	21J/03	10	5	2					1		0.6			
83KAR151501	21J/03	10	4	2					1		0.4			
83KAR151601	21J/03	10	7	1					1		0.6			
83KAR151701	21J/03	10	7	1					1		0.2			
83KAR151801	21J/03	10	9	4					1		0.6			
83KAR151901	21J/03	10	9	0.5					1		0.6			
83KAR152001A	21J/03	10	9	1					1		0.8			
83KAR152101	21J/03	10	12	1					1		0.2			
83KAR152201	21J/03	10	11	6					1		0.4			
83KAR152301	21J/03	10	10	2					1		0.4			
83KAR152401	21J/03	10	14	1					2		1.0			
83KAR152501	21J/03	10	14	0.5					1		1.3			
83KAR152601	21J/03	10	22	2					1		1.2			

sample	Map	obs	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W
			ppm	ppb	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm
85LFA003901	21J/07	1	9	2.5	16	83	3.7		1	25	0.9	36	6.3	1
85LFA009901	21J/03	1	17	2.5	16	100	4.2		2	25	1.4	13	2.8	3
85LFA010001	21J/02	1	25	2.5	16	120	4.5		1	25	2.0	15	3.1	3
85LFA010101	21J/02	1	22	2.5	18	90	4.6		3	51	1.8	15	3.8	3
85LFA010301	21J/02	1	23	2.5	14	91	4.4		3	25	1.2	17	4.8	7
85LFA010302	21J/02	1	14	2.5	11	69	3.3		2	25	0.8	20	5.5	5
85LFA010501	21J/02	1	15	2.5	16	110	3.9		2	25	1.5	14	3.4	3
85LFA010601	21J/02	1	64	2.5	5	99	6.5		12	25	2.4	16	4.2	3
85LFA010701	21J/02	1	27	2.5	18	99	4.7		3	56	1.8	18	5	3
85LFA010801	21J/06	1	13	2.5	11	59	4		1	25	1.7	38	9.1	4
85LFA010901	21J/06	1	46	2.5	21	99	5.4		2	25	2.3	19	4.5	6
85LFA011001	21J/07	1	15	2.5	28	100	4.9		1	25	5.3	18	4.6	5
85LFA011101	21J/02	1	19	9	16	100	4.5		3	25	2.3	15	4.2	3
85LFA011201	21J/02	1	19	2.5	12	80	3.9		1	25	2.5	19	3.3	4
85LFA011301	21J/07	1	47	7	28	160	5.2		3	25	5.4	17	4.8	3
85LFA011401	21J/07	1	20	2.5	17	130	4.2		3	60	1.5	15	3.3	1
85LFA011401	21J/07	2	20	2.5	15	130	4.2		2	25	1.4	15	3.4	2
85LFA011501	21J/07	1	39	2.5	18	120	4.9		1	25	2.5	14	3.4	2
85LFA011601	21J/07	1	35	2.5	17	110	4.6		1	25	2.0	15	3.3	4
85LFA011701	21J/07	1	36	2.5	20	82	3.9		1	25	2.0	19	4.4	4
85LFA011801	21J/07	1	25	2.5	15	99	3.8		1	51	1.0	19	4.7	3
85LFA011901	21J/07	1	15	2.5	13	100	4.6		3	25	1.2	19	4.8	1
85LFA012001	21J/07	1	8	9	15	150	4.4		2	53	1.1	13	3.9	2
85LFA012101	21J/07	1	16	2.5	23	150	5.4		1	82	1.4	15	3.6	3
85LFA012101	21J/07	2	13	2.5	20	140	4.9		1	74	1.2	14	3	1
85LFA012201	21J/07	1	18	2.5	20	110	5.1		3	53	2.6	21	4.1	4
85LFA012301	21J/07	1	20	2.5	21	120	5		3	63	1.9	16	3.2	4
85LFA012401	21J/07	1	21	2.5	18	120	5.1		3	71	3.0	17	3.5	3
85LFA013201	21J/06	1	10	2.5	15	75	3.2		2	50	0.8	21	5	6
85LFA013301	21J/06	1	11	2.5	16	90	4.3		1	25	0.8	22	7.5	5
85LFA013501	21J/06	1	55	2.5	15	110	3.9		2	25	1.5	20	4	4
85LFA013601	21J/06	1	27	2.5	18	140	5.4		3	25	1.8	13	3.6	4
85LFA020101	21J/03	1	8	2.5	12	91	3.6		3	25	0.8	19	5.1	2
85LFA020101	21J/03	2	15	2.5	22	120	4.9		1	64	8.0	14	2.8	1
85LFA057901	21J/03	1	13	2.5	18	110	4.3		2	25	1.0	10	2.1	1
86LFA000501	21J/02	1	22	4	12	80	3.3	20	3	43	1.9	18	4.3	2
86LFA000501	21J/02	2	23	4	11	83	3.6	20	1	41	2.1	19	4.6	3
86LFA000501	21J/02	10	17	1					1		0.8			
86LFA000601	21J/02	1	49	1.5	18	98	4.8	60	4	63	3.8	16	4.1	3
86LFA000601	21J/02	10	43	3					2		3.8			
86LFA000701	21J/02	1	23	1	17	85	3.9	20	2	51	2.6	23.8	5.7	3
86LFA000701	21J/02	10	15	1					1		1.4			
86LFA000801	21J/02	1	67	5	20	130	5.5	120	3	62	6.5	16	4.2	2
86LFA000801	21J/02	10	63	4					1		5.6			
86LFA001101	21J/02	1	24	3	14	98	3.6	40	2	56	1.6	13	3.4	2
86LFA001101	21J/02	10	23	3					1		1.2			
86LFA001201	21J/02	1	20	4	16	110	4.5	20		62	1.1	16	3	2
86LFA001301	21J/02	1	85.9	4	24	130	6.2	30	5	72	8.5	14	3.3	2
86LFA001301	21J/02	10	90	4					2		7.6			

sample	Map	obs	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W
			ppm	ppb	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm
86LFA001401	21J/02	1	23	6	13	120	3.8	30	1	45	1.8	14	3.2	1
86LFA001401	21J/02	10	19	2	18	120	4	35	3	47	2.2	15	6.3	2
86LFA001501	21J/02	1	24	6	18	120			1		1.2			
86LFA001501	21J/02	10	17	2					3		1.6			
86LFA001601	21J/02	1	21	1	15	110	4.3	20		37	1.9	13	2.7	3
86LFA001701	21J/02	1	41	1	20	110	4.7	20	3	57	4.3	15	3.8	3
86LFA001701	21J/02	10	36	3					1		4.0			
86LFA001801	21J/02	1	41	4	18	130	5	105	2	58	2.6	16	3.4	2
86LFA001801	21J/02	10	38	3					1		1.8			
86LFA001901	21J/02	1	60.6	1.5	20	160	5.3	30	3	65	2.1	17	5.9	2
86LFA001901	21J/02	10	39	9					2		1.4			
86LFA002001	21J/02	1	75.8	5	18	98	4.7	10	3	61	3.8	18	4.1	2
86LFA002001	21J/02	10	60	3					1		3.2			
86LFA002101	21J/02	1	53.8	4	9	100	3.7	70	7	30	2.9	19	4.6	2
86LFA002201	21J/02	1	39	3	13	80	4.7	40	4	31	3.1	17	4.3	4
86LFA002201	21J/02	2	40	4	14	79	4.8	40	4	33	3.1	18	4.4	3
86LFA002201	21J/02	10	32	9					2		2.4			
86LFA002301	21J/02	1	37	1	17	87	4.5	25	4	50	2.8	27.6	7.3	4
86LFA002401	21J/02	1	32	1.5	14	78	5	30	4	43	2.9	26.6	6.5	2
86LFA002501	21J/02	1	36	1.5	13	71	3.9	20	3	38	3.0	24	5.8	4
86LFA002501	21J/02	10	27	1					2		2.2			
86LFA002601	21J/02	1	30	1	14	94	4.3	50	3	28	2.9	19	4.3	2
86LFA002601	21J/02	10	23	1					1		2.4			
86LFA002701	21J/02	1	12	4	7	97	2.5	30	1	10	1.4	13	3.1	1
86LFA002701	21J/02	10	3	2					1		0.6			
86LFA002801	21J/02	1	24	1	13	110	3.9	20	2	30	1.6	17	4.1	2
86LFA002801	21J/02	10	15	2					1		1.1			
86LFA003001	21J/03	1	7.2	2	9	89	2.6	30	1	26	0.8	13	3.2	3
86LFA003001	21J/03	10	5	1					1		0.2			
86LFA003101	21J/03	1	36	1.5	16	100	5.2	30	4	36	1.6	18	4.2	6
86LFA003101	21J/03	10	29	3					1		1.0			
86LFA003201	21J/03	1	22	1	18	120	4.5	60	3	49	1.9	18	4.8	1
86LFA003301	21J/03	1	51	1.5	12	130	6	20	8	10	1.7	19	4.8	8
86LFA003301	21J/03	10	41	1					7		1.2			
86LFA003401	21J/03	1	17	1	15	74	4.7	60	3	48	1.1	22.3	4.9	3
86LFA003401	21J/03	10	9	11					3		0.2			
86LFA003501	21J/03	1	31	4	20	130	4.5	40	4	37	1.6	20	4.9	9
86LFA003501	21J/03	10	23	2					1		0.6			
86LFA003601	21J/03	1	13	1	11	93	3.3	20		10	1.4	21.2	4.8	3
86LFA003701	21J/03	1	13	2	12	81	3.7	10	2	38	1.2	26.3	5.9	2
86LFA003901	21J/03	1	16	1	16	99	4.3	20	2	43	2.2	17	3.1	1
86LFA004001	21J/03	1	18	7	15	120	4.5	70	2	52	2.2	15	2.7	2
86LFA004001	21J/03	2	19	1	17	120	4.7	30	1	56	2.5	16	3	2
86LFA004001	21J/03	10	11	1					1		1.4			
86LFA004101	21J/03	1	19	1	18	130	4.7	30	1	54	2.0	14	2.6	2
86LFA004201	21J/03	1	34	1	17	120	4.8	35	2	54	2.3	12	2.4	2
86LFA004301	21J/03	1	21	1	14	120	4.5	30	1	50	1.6	14	2.5	3
86LFA004301	21J/03	10	11	1					1		0.9			
86LFA004401	21J/03	1	14	2	12	120	3.6	60	44	1.6	12	2.4	2	

sample	Map	obs	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W
			ppm	ppb	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm
86LFA015001	21J/02	10	19	2					1		2.2			
86LFA015101	21J/02	1	37	1	14	96	4.9	35	3	60	3.2	19	4.6	4
86LFA015101	21J/02	10	19	1					1		2.6			
86LFA015301	21J/02	1	36	1	18	110	5.1	35	3	58	2.2	18	4.4	4
86LFA015401	21J/02	1	44	1	14	120	7	35	10	62	2.5	17	4.6	2
86LFA015501	21J/07	1	62.1	1.5	36	170	7.2	95	6	85	6.5	20.2	4.9	3
86LFA015601	21J/02	1	36	1	20	150	5.7	105	4	64	3.3	16	4.1	2
86LFA036501	21J/08	1	27	5	27	140	6.3	25	3	59	2.1	15	3.6	3
87LFA011801	21J/06	10	60	13							1.0			
87LFA011901	21J/06	10	57	2							0.7			
87LFA012001	21J/06	10	90	1							1.2			
87LFA012101	21J/06	10	60	2							1.2			
87LFA012201	21J/06	10	63	3							1.4			
87LFA012301	21J/06	10	15	0.5							0.6			
87LFA012401	21J/06	10	33	4							0.8			
87LFA012501	21J/06	10	71	2							0.2			
87LFA012601	21J/06	10	33	1							0.1			
87LFA012701	21J/06	10	57	0.5							1.2			
87LFA012801	21J/06	10	60	0.5							0.8			
87LFA012901	21J/06	10	12	2							0.1			
87LFA013001	21J/06	10	100	3							2.0			
87LFA013101	21J/06	10	19	1							0.1			
87LFA013201	21J/06	10	83	3							0.2			
87LFA013301	21J/06	10	130	3							1.0			
87LFA013401	21J/06	10	22	1							0.2			
87LFA013501	21J/06	10	310	3							0.6			
87LFA013601	21J/06	10	60	6							3.0			
87LFA013701	21J/06	10	30	2							0.1			
87LFA013801	21J/06	10	39	4							1.4			
87LFA013901	21J/06	10	25	7							0.6			
87LFA014001	21J/07	10	17	3							0.6			
87LFA014101	21J/07	10	15	3							1.0			
87LFA014201	21J/06	10	29	3							0.8			
87LFA014301	21J/06	10	65	0.5							1.8			
87LFA014401	21J/06	10	24	6							0.4			
87LFA014501	21J/06	10	35	4							1.2			
87LFA014601	21J/06	10	43	5							1.2			
87LFA014701	21J/06	10	41	9							1.4			
87LFA033001	21J/03	10	10	7							1.2			
87LFA033101	21J/03	10	10	5							0.2			
87LFA033201	21J/03	10	10	13							0.2			
87LFA033301	21J/03	10	11	3							0.2			
87LFA033401	21J/03	10	7	4							0.4			
87LFA033601	21J/03	10	11	7							0.2			
87LFA033701	21J/03	10	9	6							0.8			
87LFA033801	21J/03	10	14	3							0.4			
87LFA033901	21J/03	10	10	4							0.6			
87LFA034001	21J/03	10	11	5							0.4			
87LFA034101	21J/03	10	10	0.5							0.5			

sample	Map	obs	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W
			ppm	ppb	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm
87LFA034201	21J/03	10	9	0.5							0.6			
87LFA034301	21J/03	10	9	2							0.4			
87LFA034301	21J/03	11	6	1							0.4			
87LFA034401	21J/03	10	12	2							0.8			
87LFA034401	21J/03	11	12	2							0.8			
87LFA034501	21J/03	10	16	1							0.8			
87LFA034601	21J/03	10	12	1							1.0			
87LFA034701	21J/03	10	9	1							0.6			
87LFA034801	21J/03	10	9	3							0.4			
87LFA034901	21J/03	10	10	37							0.4			
87LFA035001	21J/03	10	11	2							1.4			
87LFA035002	21J/03	10	7	1							0.4			
87LFA035101	21J/03	10	11	3							0.6			
87LFA035201	21J/03	10	14	1							1.0			
87LFA035301	21J/03	10	7	1							0.8			
87LFA035401	21J/03	10	11	4							0.6			
87LFA036401	21J/03	10	7	2							1.4			
87LFA036501	21J/03	10	9	0.5							0.6			
87LFA036601	21J/03	10	7	0.5							0.6			
87LFA036601	21J/03	11	9	3							0.4			
87LFA036701	21J/03	10	12	2							0.8			
87LFA036801	21J/03	10	3	0.5							0.1			
87LFA036901	21J/03	10	7	1							0.2			
87LFA037001	21J/03	10	15	0.5							0.2			
87LFA049301	21J/04	10	3	2							0.2			
87LFA049301	21J/04	11	5	0.5							0.1			
87LFA049401	21J/04	10	5	2							0.1			
87LFA049501	21J/04	10	5	0.5							0.2			
87LFA049601	21J/04	10	10	4							0.4			
87LFA049701	21J/04	10	6	3							0.4			
87LFA049801	21J/04	10	5	0.5							0.2			
87LFA049901	21J/04	10	7	9							0.2			
87LFA064301	21J/03	10	9	2							0.1			
87LFA064401	21J/03	10	6	2							0.1			
87LFA064501	21J/03	10	6	1							0.2			
87LFA064601	21J/03	10	3	2							0.1			
87LFA064701	21J/03	10	7	1							0.1			
87LFA064801	21J/03	10	3	2							0.1			
87LFA064901	21J/03	10	5	2							0.2			
87LFA065601	21J/03	10	3	3							0.2			
87LFA066301	21J/03	10	6	12							0.1			
87LFA080001	21J/04	10	11	3							0.4			
87LFA080101	21J/04	10	9	4							0.2			
87LFA080201	21J/04	10	9	0.5							0.1			
87LFA080401	21J/04	10	5	0.5							0.8			
87LFA080701	21J/04	10	5	3							0.1			
87LFA080701	21J/04	11	5	1							0.3			
87LFA080801	21J/04	10	7	7							0.4			
87LFA080901	21J/04	10	9	1							0.4			

sample	Map	obs	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W
			ppm	ppb	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm
87LFA081001		21J/04	10	7	4						0.2			
87LFA081101		21J/04	10	9	3						0.2			
87LFA081201		21J/04	10	5	2						0.2			
87LFA081301		21J/04	10	10	9						0.5			
87LFA081701		21J/04	10	5	4						0.1			
87LFA081801		21J/04	10	6	4						0.1			
87LFA082001		21J/03	10	7	4						0.1			
87LFA082101		21J/04	10	9	0.5						0.2			
87LFA082201		21J/04	10	6	3						0.2			
87LFA082301		21J/03	10	7	6						0.2			
87LFA082401		21J/03	10	12	5						0.2			
87LFA082501		21J/03	10	5	5						0.1			
87LFA082601		21J/03	10	15	4						0.2			
87LFA082701		21J/03	10	7	4						0.2			
87LFA082901		21J/04	10	11	3						0.2			
87LFA083001		21J/03	10	6	1						0.1			
87LFA083101		21J/03	10	6	1						0.1			
87LFA091001		21J/04	10	5	7						0.2			
87LFA091101		21J/04	10	7	3						0.2			
87LFA091201		21J/04	10	9	5						0.4			
87LFA091301		21J/05	10	7	3						0.1			
87LFA800001		21J/03	10	9	3						0.4			
87LFA800201		21J/03	10	11	3						0.8			
87LFA800301		21J/03	10	11	3						0.6			
87LFA800401		21J/03	10	11	4						0.6			
87LFA800501		21J/03	10	5	3						0.8			
87LFA800601		21J/03	10	9	4						0.4			
87LFA800701		21J/03	10	6	6						0.6			
87LFA800801		21J/03	10	10	9						1.0			
87LFA800901		21J/03	10	6	1						0.6			
87LFA801001		21J/03	10	10	3						0.3			
87LFA801101		21J/03	10	7	3						0.4			
87LFA801101		21J/03	11	9	9						0.4			
87LFA801201		21J/03	10	10	4						0.6			
87LFA801301		21J/03	10	7	5						0.6			
87LFA801401		21J/03	10	7	2						0.5			
87LFA801501		21J/03	10	12	2						1.0			
87LFA801601		21J/03	10	9	2						0.6			
87LFA801701		21J/03	10	7	4						0.6			
87LFA801801		21J/03	10	5	3						0.3			
87LFA801901		21J/03	10	3	2						0.3			
87LFA802001		21J/03	10	9	4						0.4			
87LFA802101		21J/03	10	6	4						0.4			
87LFA802101		21J/03	11	5	8						0.4			
87LFA802201		21J/03	10	7	8						0.2			
87LFA802301		21J/03	10	10	1						0.3			
87LFA802401		21J/03	10	5	4						0.4			
87LFA802501		21J/03	10	5	1						0.2			
87LFA802601		21J/03	10	6	3						0.4			

sample	Map	obs	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W
			ppm	ppb	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm
87LFA802701	21J/03	10	9	5							0.5			
87LFA802801	21J/03	10	9	5							0.6			
87LFA803001	21J/03	10	9	1							0.2			
87LFA803101	21J/03	10	9	3							0.4			
87LFA803201	21J/03	10	10	6							26.0			
87LFA803401	21J/03	10	5	3							1.8			
87LFA803501	21J/06	10	7	26							0.9			
87LFA803601	21J/06	10	10	5							0.8			
87LFA803701	21J/06	10	7	5							0.4			
87LFA803801	21J/06	10	10	5							1.0			
87LFA803901	21J/06	10	9	2							0.6			
87LFA804001	21J/06	10	10	3							0.4			
87LFA804101	21J/06	10	9	2							0.9			
87LFA804201	21J/06	10	11	3							0.8			
87LFA804301	21J/06	10	10	5							0.9			
87LFA804401	21J/06	10	11	6							1.2			
87LFA804501	21J/06	10	9	3							0.6			
87LFA804601	21J/06	10	10	5							0.5			
87LFA804701	21J/06	10	10	3							0.5			
87LFA804801	21J/06	10	7	38							0.4			
87LFA804901	21J/06	10	9	4							0.2			
87LFA804901	21J/06	11	9	7							0.2			
87LFA805001	21J/06	10	9	4							0.3			
87LFA805101	21J/06	10	14	2							0.2			
87LFA805201	21J/06	10	17	0.5							0.6			
87LFA805202	21J/06	10	20	3							1.4			
87LFA805301	21J/06	10	15	2							0.6			
87LFA805401	21J/06	10	9	4							0.4			
87LFA805501	21J/06	10	6	2							1.2			
87LFA805601	21J/06	10	22	2							1.0			
87LFA805701	21J/06	10	10	2							0.9			
87LFA805801	21J/06	10	14	2							0.4			
87LFA805901	21J/06	10	12	3							0.6			
87LFA806001	21J/06	10	11	2							1.0			
87LFA806001	21J/06	11	14	7							1.2			
87LFA806101	21J/06	10	11	2							0.4			
87LFA806101	21J/06	11	11	8							0.4			
87LFA806201	21J/06	10	6	2							0.3			
87LFA806301	21J/06	10	11	2							0.4			
87LFA806401	21J/06	10	12	1							0.8			
87LFA806501	21J/06	10	15	1							0.7			
87LFA806601	21J/06	10	12	3							0.3			
87LFA806701	21J/06	10	6	1							0.2			
87LFA806701	21J/06	11	6	7							0.2			
87LFA806801	21J/06	10	11	2							0.3			
87LFA806901	21J/06	10	16	5							0.3			
87LFA807001	21J/06	10	20	2							0.7			
87LFA807101	21J/06	10	22	1							0.6			
87LFA807201	21J/06	10	23	3							0.8			

sample	Map	obs	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W
			ppm	ppb	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm
87LFA807301	21J/06	10	20	3							4.0			
87LFA807401	21J/06	10	10	4							0.7			
87LFA807601	21J/06	10	24	0.5							1.0			
87LFA807701	21J/06	10	23	2							1.4			
87LFA807901	21J/06	10	9	0.5							0.3			
87LFA808001	21J/06	10	48	13							0.4			
87LFA808101	21J/06	10	11	0.5							0.2			
87LFA808101	21J/06	11	10	8							0.4			
87LFA808201	21J/06	10	110	0.5							0.8			
87LFA808301	21J/06	10	9	0.5							0.4			
87LFA808401	21J/06	10	10	0.5							0.3			
87LFA808501	21J/06	10	10	0.5							0.4			
87LFA808501	21J/06	11	12	9							0.6			
87LFA808601	21J/06	10	65	10							1.2			
87LFA808701	21J/06	10	9	5							0.4			
87LFA808801	21J/06	10	11	4							0.4			
87LFA808901	21J/06	10	16	2							0.6			
87LFA809001	21J/06	10	11	2							0.2			
87LFA809101	21J/07	10	12	1							0.6			
87LFA809101	21J/07	11	10	8							0.8			
87LFA809201	21J/07	10	19	0.5							1.2			
87LFA809301	21J/07	10	22	1							1.8			
87LFA809401	21J/07	10	24	2							2.0			
87LFA809501	21J/04	10	14	6							0.9			
87LFA809601	21J/04	10	9	2							0.6			
87LFA809701	21J/04	10	10	3							0.6			
87LFA809801	21J/04	10	11	2							0.8			
87LFA809901	21J/04	10	11	1							0.8			
87LFA810001	21J/03	10	7	1							0.4			
87LFA810101	21J/03	10	9	5							0.7			
87LFA810101	21J/03	11	9	8							0.6			
87LFA810201	21J/03	10	9	6							0.8			
87LFA810301	21J/03	10	6	1							0.8			
87LFA810401	21J/03	10	16	2							1.2			
87LFA810501	21J/03	10	5	2							0.4			
87LFA810601	21J/03	10	6	2							0.3			
87LFA810701	21J/03	10	10	3							0.5			
87LFA810901	21J/03	10	14	3							1.0			
87LFA811001	21J/03	10	11	1							0.4			
87LFA811101	21J/03	10	7	2							0.6			
87LFA811201	21J/03	10	11	0.5							0.2			
87LFA811301	21J/03	10	5	3							0.3			
87LFA811401	21J/03	10	9	2							0.2			
87LFA811501	21J/03	10	9	6							0.4			
87LFA811601	21J/03	10	6	12							0.4			
87LFA811701	21J/03	10	10	0.5							0.2			
87LFA811801	21J/06	10	5	1							0.4			
87LFA811901	21J/06	10	11	1							0.8			
87LFA812001	21J/06	10	15	0.5							0.9			

sample	Map	obs	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W
			ppm	ppb	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm
87LFA812101		21J/06	10	24	3						1.0			
87LFA812201		21J/06	10	11	3						3.0			
87LFA812301		21J/06	10	12	1						0.8			
87LFA812401		21J/06	10	10	2						0.4			
87LFA812501		21J/06	10	10	1						0.4			
87LFA812601		21J/06	10	6	1						0.2			
87LFA812601		21J/06	11	6	6						0.4			
87LFA812701		21J/06	10	11	2						0.7			
87LFA812801		21J/06	10	12	1						0.6			
87LFA812901		21J/06	10	12	13						0.7			
87LFA813001		21J/06	10	10	3						0.8			
87LFA813101		21J/06	10	12	4						0.8			
87LFA813201		21J/06	10	11	0.5						0.8			
87LFA813301		21J/06	10	16	2						1.0			
87LFA813401		21J/06	10	10	1						0.4			
87LFA813401		21J/06	11	11	9						0.8			
87LFA813501		21J/06	10	9	1						0.3			
87LFA813601		21J/06	10	10	2						0.4			
87LFA813701		21J/06	10	4	1						0.2			
87LFA813801		21J/06	10	10	3						0.4			
87LFA813901		21J/06	10	11	5						0.6			
87LFA814001		21J/06	10	11	3						0.4			
87LFA814101		21J/06	10	11	5						0.6			
87LFA814201		21J/02	10	9	1						0.3			
87LFA814301		21J/02	10	19	3						1.0			
87LFA814401		21J/02	10	17	3						0.8			
87LFA814501		21J/06	10	12	5						0.4			
87LFA814601		21J/06	10	11	2						0.5			
87LFA814701		21J/06	10	10	3						0.4			
87LFA814801		21J/06	10	9	3						0.6			
87LFA814901		21J/06	10	12	2						0.2			
87LFA815001		21J/06	10	6	4						0.1			
87LFA815101		21J/06	10	6	3						0.1			
87LFA815201		21J/07	10	33	10						7.0			
87LFA815301		21J/07	10	16	2						2.0			
87LFA815401		21J/07	10	23	2						2.4			
87LFA815501		21J/07	10	16	3						2.2			
87LFA815601		21J/07	10	20	62						1.8			
87LFA815701		21J/07	10	7	2						1.2			
87LFA815801		21J/07	10	12	3						3.6			
87LFA815901		21J/07	10	9	4						2.6			
87LFA816001		21J/07	10	20	3						1.2			
87LFA816101		21J/07	10	32	3						2.2			
87LFA816201		21J/07	10	24	3						2.2			
87LFA816301		21J/07	10	32	0.5						1.8			
87LFA816401		21J/07	10	17	2						1.0			
87LFA816401		21J/07	11	16	7						1.0			
87LFA816501		21G/13	10	7	4						0.5			
87LFA816601		21G/13	10	9	2						0.6			

sample	Map	obs	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W
			ppm	ppb	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm
87LFA816701	21G/13	10	24	7							1.2			
87LFA816901	21G/13	10	10	2							0.8			
87LFA817001	21G/13	10	16	4							1.2			
87LFA817101	21G/13	10	23	5							1.2			
87LFA817201	21G/13	10	14	4							0.8			
87LFA817301	21G/13	10	16	3							0.8			
87LFA817401	21G/13	10	15	3							1.0			
87LFA817501	21G/13	10	11	3							0.8			
87LFA817601	21G/13	10	11	6							1.0			
87LFA817701	21G/13	10	20	5							1.4			
87LFA817801	21G/13	10	9	2							0.8			
87LFA817901	21G/13	10	14	3							1.0			
87LFA818101	21G/13	10	12	3							0.9			
87LFA818201	21G/13	10	36	7							2.8			
87LFA818301	21G/13	10	9	5							1.0			
87LFA818401	21G/13	10	22	4							1.4			
87LFA818501	21G/13	10	14	2							1.2			
87LFA818601	21G/13	10	16	5							1.4			
87LFA818701	21G/13	10	15	10							1.0			
87LFA818801	21G/13	10	15	5							1.2			
87LFA818901	21G/13	10	15	7							1.2			
87LFA819001	21G/13	10	22	16							0.8			
87LFA819101	21G/14	10	11	4							0.8			
87LFA819101	21G/14	11	11	10							0.6			
87LFA819201	21G/14	10	11	3							1.0			
87LFA819301	21G/14	10	14	3							0.9			
87LFA819401	21J/07	10	19	3							6.2			
87LFA819501	21J/07	10	22	8							2.0			
87LFA819601	21J/07	10	16	3							1.2			
87LFA819701	21J/07	10	9	3							0.9			
87LFA819801	21J/07	10	45	6							4.6			
87LFA819901	21J/02	10	39	5							4.4			
87LFA820001	21J/04	10	6	4							0.2			
87LFA820101	21J/04	10	5	5							0.2			
87LFA820201	21J/04	10	10	4							0.6			
87LFA820301	21J/04	10	6	3							0.2			
87LFA820401	21J/04	10	11	4							0.6			
87LFA820501	21J/04	10	9	3							0.4			
87LFA820601	21J/04	10	9	6							0.6			
87LFA820701	21J/04	10	24	7							1.4			
87LFA820702	21J/04	10	16	4							1.0			
87LFA820801	21J/04	10	16	4							1.6			
87LFA820901	21J/04	10	6	3							0.4			
87LFA821001	21J/04	10	5	3							0.3			
87LFA821101	21J/06	10	10	1							0.4			
87LFA821101	21J/06	11	9	8							0.5			
87LFA821201	21J/06	10	10	5							0.6			
87LFA821301	21J/06	10	6	2							0.4			
87LFA821401	21J/06	10	9	2							0.4			

sample	Map	obs	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W
			ppm	ppb	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm
87LFA821501	21J/06	10	6	1							0.3			
87LFA821601	21J/06	10	9	6							0.8			
87LFA821701	21J/04	10	9	0.5							0.4			
87LFA821801	21J/06	10	9	3							1.0			
87LFA821801	21J/06	11	9	8							1.2			
87LFA821901	21J/06	10	15	1							0.5			
87LFA822001	21J/04	10	5	1							0.2			
87LFA822101	21J/04	10	11	3							0.4			
87LFA822201	21J/03	10	3	0.5							0.2			
87LFA822301	21J/04	10	7	3							0.3			
87LFA822501	21J/03	10	11	5							0.4			
87LFA822501	21J/03	11	10	12							0.4			
87LFA822701	21J/03	10	5	3							0.1			
87LFA822701	21J/03	11	5	7							0.2			
87LFA822901	21G/14	10	11	3							0.6			
87LFA823001	21J/03	10	19	4							1.0			
87LFA823101	21J/04	10	14	3							0.6			
87LFA823301	21J/04	10	19	2							0.6			
87LFA823401	21J/04	10	15	2							0.7			
87LFA823701	21J/04	10	9	0.5							0.6			
87LFA824001	21J/04	10	10	6							1.0			
87LFA824101	21J/04	10	11	3							0.8			
87LFA824201	21G/14	10	6	3							0.4			
87LFA824301	21G/14	10	11	8							0.6			
87LFA824501	21G/14	10	10	7							0.5			
87LFA824501	21G/14	11	10	13							0.4			
87LFA824601	21G/14	10	6	3							0.4			
87LFA824701	21G/14	10	10	5							0.4			
87LFA824901	21G/14	10	14	2							0.4			
87LFA825001	21G/14	10	11	5							0.2			
87LFA825101	21G/14	10	6	3							0.2			
87LFA825101	21G/14	11	7	9							0.3			
87LFA825201	21G/14	10	14	6							1.2			
87LFA825202	21G/14	10	12	5							1.0			
87LFA825301	21G/14	10	14	5							1.2			
87LFA825301	21G/14	11	12	11							1.2			
87LFA825401	21G/14	10	7	3							0.4			
87LFA825501	21G/14	10	12	7							0.6			
87LFA825601	21G/14	10	15	6							0.6			
87LFA825701	21G/14	10	11	5							0.6			
87LFA825801	21G/14	10	16	3							0.8			
87LFA825901	21G/14	10	9	3							0.2			
87LFA825902	21G/14	10	10	2							0.4			
87LFA826001	21G/14	10	14	2							0.5			
87LFA826101	21G/14	10	11	3							0.4			
87LFA826201	21G/13	10	9	2							0.6			
87LFA826301	21G/13	10	20	2							0.6			
87LFA826301	21G/13	11	19	9							0.6			
87LFA826401	21G/13	10	6	2							0.2			

sample	Map	obs	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W
			ppm	ppb	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm
87LFA826501	21G/13	10	19	4							0.6			
87LFA826601	21G/13	10	12	5							0.4			
87LFA826701	21G/13	10	7	4							0.8			
87LFA826801	21G/13	10	12	3							0.8			
87LFA826901	21G/13	10	10	10							0.8			
87LFA830001	21J/04	10	11	10							1.0			
87LFA830101	21J/04	10	9	8							0.8			
87LFA830201	21J/04	10	10	11							0.6			
87LFA830301	21J/04	10	6	9							0.5			
87LFA830401	21J/04	10	12	9							0.4			
87LFA830501	21J/04	10	9	9							0.5			
87LFA830601	21J/04	10	12	9							0.6			
87LFA830701	21J/04	10	7	10							0.6			
87LFA830801	21J/04	10	9	11							0.7			
87LFA830901	21J/04	10	9	9							0.8			
87LFA831001	21J/04	10	10	8							0.5			
87LFA831101	21J/04	10	6	8							0.6			
87LFA831201	21J/04	10	9	8							0.4			
87LFA831301	21J/04	10	10	9							0.5			
87LFA831401	21J/04	10	16	10							1.2			
87LFA831501	21J/04	10	14	10							1.0			
87LFA831601	21J/04	10	7	7							0.3			
87LFA831601	21J/04	11	7	9							0.4			
87LFA831801	21J/06	10	10	10							0.8			
87LFA831801	21J/06	11	12	9							0.6			
87LFA840001	21G/13	10	12	9							0.6			
87LFA840101	21G/13	10	22	9							1.6			
87LFA840201	21G/13	10	10	7							0.6			
87LFA840301	21G/13	10	12	9							0.8			
87LFA840401	21G/13	10	14	6							1.0			
87LFA840501	21G/13	10	12	9							1.0			
87LFA840601	21G/13	10	14	8							1.0			
87LFA840701	21G/13	10	14	7							0.9			
87LFA840801	21G/13	10	12	7							1.0			
87LFA840901	21G/13	10	15	7							1.0			
87LFA841001	21G/13	10	16	10							0.9			
87LFA841101	21G/13	10	12	6							0.9			
87LFA841201	21G/13	10	14	8							0.8			
88LFA000101	21J/04	10	9	9							1.0			
88LFA000201	21J/04	10	9	3							0.6			
88LFA000301	21J/04	10	6	1							0.6			
88LFA000401	21J/04	10	4	0.5							0.3			
88LFA000501	21J/03	10	3	2							0.1			
88LFA000601	21J/03	10	5	3							0.1			
88LFA000701	21J/03	10	11	17							0.4			
88LFA000702	21J/03	10	9	3							1.2			
88LFA000703	21J/03	10	9	1							1.4			
88LFA004901	21J/06	10	12	0.5							1.6			
88LFA005001	21J/06	10	17	0.5							0.2			
											1.2			

sample	Map	obs	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W
			ppm	ppb	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm
88LFA005101	21J/06	10	17	0.5							1.0			
88LFA011901	21J/06	10	20	0.5							0.6			
88LFA012001	21J/06	10	16	0.5							2.0			
88LFA012101	21J/06	10	7	0.5							0.6			
88LFA012201	21J/06	10	5	1							0.4			
88LFA012301	21J/06	10	10	1							0.2			
88LFA012601	21J/06	10	11	2							0.5			
88LFA012701	21J/06	10	7	0.5							0.1			
88LFA012801	21J/06	10	9	0.5							0.2			
88LFA012901	21J/06	10	7	3							0.1			
88LFA013001	21J/06	10	6	0.5							0.1			
88LFA013101	21J/06	10	7	2							1.2			
88LFA013201	21J/06	10	12	2							4.0			
88LFA013501	21G/13	10	7	0.5							0.1			
88LFA013601	21G/13	10	12	2							0.6			
88LFA013701	21G/13	10	10	0.5							0.2			
88LFA013801	21G/13	10	11	1							0.6			
88LFA014001	21G/13	10	9	2							0.4			
88LFA014401	21J/04	10	7	0.5							0.2			
88LFA014501	21J/04	10	11	1							1.0			

SUMMARY STATISTICS

	As	Au	Co	Cr	Fe	Hg	Mo	Ni	Sb	Th	U	W
	ppm	ppb	ppm	ppm	pct	ppb	ppm	ppm	ppm	ppm	ppm	ppm
Sample size	793	799	173	173	173	116	328	173	799	173	173	167
Maximum	310	62.0	36	210	8.2	225	200	130	26.0	47	9.1	1300
Minimum	1	0.5	5	25	1.2	10	1	10	0.1	7	1.8	1
Average (\bar{x})	17	3.5	17	111	4.5	56	4	46	1.1	18	4.3	27
Stand. deviation (σ)	21	3.9	5	29	0.9	40	18	20	1.4	6	1.4	165
$\bar{x}+2\sigma$	59	11.2	26	169	6.2	136	39	87	3.8	29	7.0	357

**TABLE Va : LIST OF DUPLICATE ANALYSES FOR SELECTED ELEMENTS (As to Mo), CLAY (<2 µm) FRACTION OF TILL
SOUTHERN MIRAMICHI ZONE, NEW BRUNSWICK
SAMPLES ANALYSED BY BONDAR CLEGG AND CO. LTD AND CHEMEX LABS LTD**

As 1: First analysis, Bondar Clegg and Co. Ltd

As 2: Second analysis, Bondar Clegg and Co. Ltd

As 10: First analysis, Chemex Labs Ltd

Sample	As1 ppm	As2 ppm	As10 ppm	Cu 1 ppm	Cu 2 ppm	Cu 10 ppm	Hg 1 ppb	Hg 2 ppb	Hg 10 ppm	Mn 1 ppm	Mn 2 ppm	Mn 10 ppm	Mo 1 ppm	Mo 2 ppm	Mo 10 ppm
83KAR140001	28	15	69	45						2600		1580	1		
83KAR140101	18	15	58	72						1800		1240			
83KAR140201	21	19	54	61						1600		1460			
83KAR140301	28	22	52	61						1100		900	1		
83KAR140401	24	19	47	55						1450		1100			
83KAR140601	23	16	46	45						840		640			
83KAR140801	34	24	87	83						3450		2000			
83KAR140901	25	16	56	60						1450		1050			
83KAR144201	18	14	59	63						2500		2000	1		
83KAR144301	17	15	53	60						1300		1080			
83KAR144401	15	14	46	48						930		740	1		
83KAR144601	28	15	79	60						2730		1560	2		
83KAR144701	22	12	61	50						2170		1900	3		
83KAR144901	39	32	56	46						3550		2800	3		
83KAR145001	48	35	53	52						1400		1300	1		
83KAR145101	30	23	87	75						4500		2200	3		
83KAR145201	17	23	61	60						2000		3500	3		
83KAR145401	14	15	54	52						950		700	1		
83KAR145801	39	33	44	37						7900		5000	3		
83KAR145901	16	11	53	48						2320		1480	2		
83KAR146001	62	43	19	20						1880		1320	2		
83KAR146201A	15	12	8	12						355		440			
83KAR146301	15	11	43	46						1400		1360	3		
83KAR146401	18	11	50	51						1300		880	2		
83KAR146701	29	20	65	70						1600		1380	1		
83KAR146801	27	30	55	58						1350		950	1		
83KAR146901	30	17	70	44						1720		940	1		
83KAR147001	37	24	96	68						2580		1860	1		
83KAR147101	29	23	64	65						4500		3500	1		
83KAR147201	17	14	44	50						1220		1000	2		
83KAR147301	21	19	56	59						1370		880			
83KAR147401	20	12	61	63						1650		1360			
83KAR147501	18	10	59	59						1150		940	1		
83KAR147601	26	12	79	71						1900		1320	1		
83KAR147701	39	20	86	77						1600		1380	1		
83KAR147801	32	24	65	62						1300		1140			
83KAR147901	26	12	61	60						1420		1000	2		
83KAR148001	29	16	102	107						1650		1380	1		
83KAR148101	27	17	62	50						1580		1340	1		
83KAR148201	27	14	63	57						1620		1200			
83KAR148301	27	14	63	55						1620		840	1		

Sample	As1 ppm	As2 ppm	As10 ppm	Cu 1 ppm	Cu 2 ppm	Cu 10 ppm	Hg 1 ppb	Hg 2 ppb	Hg 10 ppm	Mn 1 ppm	Mn 2 ppm	Mn 10 ppm	Mo 1 ppm	Mo 2 ppm	Mo 10 ppm
83KAR148401	26		14	86		69				1250		1000	2		
83KAR148501	20		12	51		47				1050		640			
83KAR148601	19		14	51		50				980		780			
83KAR148701	23		12	56		43				1050		610	1		
83KAR148801	20		11	50		49				1050		840			
83KAR148901	25		16	57		56				1300		910	1		
83KAR149001	88		72	57		50				2330		1640	1		
83KAR149101	23		9	38		26				630		300	2		
83KAR149201	67		41	65		60				1000		860			
83KAR149301	34		24	42		38				930		620			
83KAR149401	37		20	55		43				890		760			
83KAR149501	32		9	52		41				1250		980	1		
83KAR149601	11		5	34		32				1900		1340	1		
83KAR149701	19		5	45		51				1340		1720			
83KAR150101	41		19	127		98				635		520	3		
83KAR150201	39		23	42		42				475		420	5		
83KAR150301	32		27	49		62				1020		880	2		
83KAR150601	40		25	58		62				1000		540	3		
83KAR150701	192		425	72		89				1100		1000	3		
83KAR150801	30		17	81		85				1950		1540	3		
83KAR150901	19		16	43		54				880		680	3		
83KAR151001	17		15	41		44				1300		930	3		
83KAR151101	18		12	48		52				770		520	3		
83KAR151201	26		20	63		61				1250		720	2		
83KAR151301	15		19	44		61				1000		880	1		
83KAR151401	20		15	101		98				1190		1050	3		
83KAR151501	25		12	58		65				1700		790	3		
83KAR151601	16		10	55		60				1000		780	2		
83KAR151701	11		11	42		60				730		620	3		
83KAR151801	28		17	53		65				1250		1100	1		
83KAR151901	18		17	54		61				1300		1160	2		
83KAR152001A	22		22	59		68				920		740			
83KAR152101	15		10	52		56				930		760	1		
83KAR152301	27		17	71		72				1250		960	1		
83KAR152401	41		19	65		53				1000		800	4		
83KAR152501	36		20	54		56				1100		640	3		
83KAR152601	39		33	54		58				1320		820	6		
83KAR152701	43		43	67		55				660		890		4	
83KAR153401	24		16	175		152				465		420	4		
83KAR153501	24		22	57		63				1950		1800	2		
83KAR155201	36		64	82		94				1040		2150		4	
85LFA000101	40		41	62		53				860		900	3	1	
85LFA000301	60		69	68		65				1100		1200	2	3	
85LFA002001	17		15	23		23				580		480	0.5	1	
85LFA002101	34		31	19		18				1000		1300	1	1	
85LFA003606	20		20	38		37				550		570	2	3	
85LFA010001	37		37	41		43				740		750	2	1	
85LFA010101	32		32	41		42				760		790	1	2	
85LFA010701	60		65	59		63				1500		1400	4	4	

Sample	As1 ppm	As2 ppm	As10 ppm	Cu 1 ppm	Cu 2 ppm	Cu 10 ppm	Hg 1 ppb	Hg 2 ppb	Hg 10 ppm	Mn 1 ppm	Mn 2 ppm	Mn 10 ppm	Mo 1 ppm	Mo 2 ppm	Mo 10 ppm
85LFA011601	55	60		59	56					1200	1000		2	2	
86LFA002201	49	50		54	52		20	55		880	860		2	2	
86LFA002501	74		30	48		60				760		860	1		2
86LFA004001	29	31		44	48		30	50		840	780		0.5	0.5	1
86LFA005001	30		12	48						1200		1200			
86LFA005401	26		10	1		58				820		780	1		
86LFA006001	14	16		48	48		50	50		760	720		1	0.5	
86LFA010501	49	46		52	58		40	40		1300	1400		1	0.5	
86LFA011201	44		4	1		56				390		1300		2	
86LFA011401	58		39	28		62				280		860		3	
86LFA011701	25	22		56	48		90	85		940	880			0.5	
86LFA014001	34		6	92						1300		1320		1	
86LFA014201	114	102		64	70		115	50		440	440		2	2	
86LFA014401	58		41	52		56				800		860	2		2
86LFA014501	60		30	68		66				740		740	2		4
86LFA015301	63	59		60	60		60	45		1000	980			0.5	
86LFA015601	56		41	80		66				640		660	2		2

**TABLE Vb : LIST OF DUPLICATE ANALYSES FOR SELECTED ELEMENTS (Pb to Zn), CLAY (<2 um) FRACTION OF TILL
SOUTHERN MIRAMICHI ZONE, NEW BRUNSWICK
SAMPLES ANALYSED BY BONDAR CLEGG AND CO. LTD AND CHEMEX LABS LTD**

Pb 1: First analysis, Bondar Clegg and Co. Ltd

Pb 2: Second analysis, Bondar Clegg and Co. Ltd

Pb 10: First analysis, Chemex Labs Ltd

Sample	Pb 1 ppm	Pb 2 ppm	Pb 10 ppm	Sn 1 ppm	Sn 2 ppm	Sn 10 ppm	U 1 ppm	U 2 ppm	U 10 ppm	W 1 ppm	W 2 ppm	W 10 ppm	Zn 1 ppm	Zn 2 ppm	Zn 10 ppm
83KAR140001	33	21				1	0.1	0.1				1	122	97	
83KAR140101	27	21				1	0.5	0.4				1	134	146	
83KAR140201	23	19				1	0.6	0.6				1	123	145	
83KAR140301	19	14				1	0.4	0.4				2	126	148	
83KAR140401	21	16				1	1.2	0.2				1	129	137	
83KAR140601	29	22					1.3	0.2				1	126	106	
83KAR140801	35	22				1	0.7	0.2				1	168	150	
83KAR140901	26	18				1	0.7	0.2				1	121	128	
83KAR144201	32	26				1	1.1	0.2				1	117	119	
83KAR144301	38	25				1	1.1	0.2				1	139	140	
83KAR144401	22	14					1.1	0.1				1	109	107	
83KAR144601	31	22				1	0.6	0.4				1	141	134	
83KAR144701	24	18				1	0.6	0.3				1	117	103	
83KAR144901	27	22				1	1.1	0.6				1	91	93	
83KAR145001	56	56				2	0.9	0.4				1	152	153	
83KAR145101	42	27					0.6	0.4				1	138	113	
83KAR145201	27	33					0.8	0.6				1	104	116	
83KAR145401	20	13				1	0.3	0.2				1	123	132	
83KAR145801	35	27				1	0.6	1.1				2	53	69	
83KAR145901	23	13				1	0.8					2	109	109	
83KAR146001	20	11				1	6	3				2	78	94	
83KAR146201A	20	15				1	0.8	0.2				2	52	72	
83KAR146301	14	12				1	1.1	0.4				1	87	92	
83KAR146401	21	15				1	0.8					1	108	106	
83KAR146701	26	23				1	0.8	0.1				1	120	127	
83KAR146801	23	13				1	0.6	0.2				1	119	120	
83KAR146901	29	16				1						1	142	97	
83KAR147001	38	27				1	0.7	0.2				1	131	106	
83KAR147101	44	37					1.1	0.8				1	111	112	
83KAR147201	22	20				1	0.3	0.2				1	190	115	
83KAR147301	22	14				1	0.9	0.2				1	134	132	
83KAR147401	26	18				1	2.1	0.4				1	112	119	
83KAR147501	25	16				1	0.7	0.4				1	106	111	
83KAR147601	26	17				1	0.7	0.2				1	118	119	
83KAR147701	30	26				1	0.6	0.2				1	175	169	
83KAR147801	22	14				1	0.6	0.2				1	121	129	
83KAR147901	23	16				1	0.3	0.1				1	110	121	
83KAR148001	36	32				1	0.6	0.4				1	156	160	
83KAR148101	30	22				1	0.4	0.2				1	101	108	
83KAR148201	26	16				1	0.3	0.2				1	126	119	
83KAR148301	26	12				1	0.6	0.1				1	126	120	

Sample	Pb 1 ppm	Pb 2 ppm	Pb 10 ppm	Sn 1 ppm	Sn 2 ppm	Sn 10 ppm	U 1 ppm	U 2 ppm	U 10 ppm	W 1 ppm	W 2 ppm	W 10 ppm	Zn 1 ppm	Zn 2 ppm	Zn 10 ppm
83KAR148401	25		17			1	0.6		0.2			1	130	129	
83KAR148501	20		12			1	0.6		0.1			1	126	127	
83KAR148601	19		14			1	0.8		0.1			1	119	133	
83KAR148701	22		15			1	1.3		0.2			1	104	105	
83KAR148801	18		13			1	1		0.2			1	114	122	
83KAR148901	21		13			1	1		0.4			1	133	135	
83KAR149001	38		28				1.3		0.4			1	112	114	
83KAR149101	16		8				2		0.4			1	59	52	
83KAR149201	35		29			1	1		0.1			1	118	122	
83KAR149301	47		38			1	1.8		0.6			1	120	116	
83KAR149401	21		16			1	1.2		0.6			1	131	130	
83KAR149501	31		23			1	9.3		3.8			2	122	118	
83KAR149601	39		31				12.2		8			4	87	103	
83KAR149701	28		39			1	1.2		9			1	121	113	
83KAR150101	45		30				7.4		1.2				128	118	
83KAR150201	36		35			2	2.3		0.4			1	107	116	
83KAR150301	29		23			1	1.4		1.2			2	100	137	
83KAR150601	23		13			1	1.1		0.6			2	115	129	
83KAR150701	32		30			2	2.5		2.4			1	142	158	
83KAR150801	32		26			1	1		0.1			1	116	129	
83KAR150901	16		13			1	0.6					1	106	128	
83KAR151001	21		13			1	1		0.1			1	117	119	
83KAR151101	16		9			1	0.6					1	121	140	
83KAR151201	23		14			1	0.8		0.2			1	139	139	
83KAR151301	44		13			1	0.3		0.2			1	111	149	
83KAR151401	22		18			1	0.6					1	107	119	
83KAR151501	27		16			1	1		0.6			1	94	139	
83KAR151601	19		14			1	0.8		0.2			1	120	128	
83KAR151701	9		12			1	0.8		0.6			1	107	137	
83KAR151801	18		17			1	1					1	122	136	
83KAR151901	24		20			1	0.6					1	106	124	
83KAR152001A	19		16			1						1	119	145	
83KAR152101	20		13			1	1		0.8			1	131	159	
83KAR152301	25		16			1	0.7		0.6			1	112	124	
83KAR152401	38		24			1	0.6		0.2			1	115	103	
83KAR152501	22		13			1	0.2		0.2			1	129	137	
83KAR152601	24		16			1	2.6		1.6			1	136	148	
83KAR152701	17		22			2	0.9		0.9			2	140	125	
83KAR153401	29		24			1	0.8		0.3			1	191	194	
83KAR153501	34		29			1	1.2		0.3			1	123	138	
83KAR155201	14		27				0.4		1.5			1	130	142	
85LFA000101	3	23				5		1	0.5			2		126	
85LFA000301	2	29			8	2		2.7	2.8			4		125	125
85LFA002001	0.5	25			5	8		1.2	1			4		67	65
85LFA002101	1	29			1	0.5		1.2	1.3			4		56	60
85LFA003606	2	24			11	3		5	4			4		110	105
85LFA010001	2	24			3	3		1.7	1.5			4		108	110
85LFA010101	1	22			6	3		2.1	1.5			6		125	125
85LFA010701	4	35			8	2		4.2	3.4			4		130	135

Sample	Pb 1 ppm	Pb 2 ppm	Pb 10 ppm	Sn 1 ppm	Sn 2 ppm	Sn 10 ppm	U 1 ppm	U 2 ppm	U 10 ppm	W 1 ppm	W 2 ppm	W 10 ppm	Zn 1 ppm	Zn 2 ppm	Zn 10 ppm
85LFA011601	2	28		9	6		1	1.1		4	2		155	170	
86LFA002201	2	25		4	7		4.2	4		4	4		136	148	
86LFA002501	27		40	11		11	0.1		3.2	2		4	169		116
86LFA004001	0.5	19		2	5		1	0.6		2	1		120	128	
86LFA005001	26		18	4		1	0.9		0.6	2		1	100	102	
86LFA005401	13		22	1		3	0.6		0.3	1		2	158	162	
86LFA006001	1	21		5	8		1.6	2.1		4	1		146	164	
86LFA010501		31			3		1.6	1.8		2	2		144	152	
86LFA011201	14		46	1		14	0.2		5.6	1		2	105	132	
86LFA011401	14		25	5		1			1.1	2		3	98	159	
86LFA011701		23		6	11		1	1.5		1	2		90	100	
86LFA014001	45		7	5		1	2.2		1.2	2		1	108	315	
86LFA014201	2	29		7	3		5.1	4.8		50	50		88	92	
86LFA014401	28		23	8		1	1.8		1.2	2		2	120	136	
86LFA014501	35		31	5		1	2.6		2	4		4	96	105	
86LFA015301		28		9	10		2.6	2.7		4	2		132	144	
86LFA015601	39		34	4		1	1.6		2.3	2		1	96	112	

**TABLE VI: LIST OF DUPLICATE ANALYSES FOR SELECTED ELEMENTS, CLAY (< 2um) FRACTION OF TILL
SOUTHERN MIRAMICHI ZONE, NEW BRUNSWICK
SAMPLES ANALYSSED BY CHEMEX LABS LTD**

As 10: First Analysis, Chemex Labs Ltd

As 11: Second Analysis, Chemex Labs Ltd

Sample	As 10 ppm	As 11 ppm	Cu 10 ppm	Cu 11 ppm	Hg 10 ppb	Hg 11 ppb	Mn 10 ppm	Mn 11 ppm	Pb 10 ppm	Pb 11 ppm	Sn 10 ppm	Sn 11 ppm	U 10 ppm	U 11 ppm	W 10 ppm	W 11 ppm	Zn 10 ppm	Zn 11 ppm
87LFA011801	75	100	99	87	210	80	1060	985	46	56	1	1	5.8	5.6	11	3	209	207
87LFA013801	25	90	64	64	60	50	782	796	26	26	1	1	6.1	5.9	1	2	127	140
87LFA033401	20	15	64	56	230	220	745	694	14	10	1	1	2.7		1	1	98	90
87LFA033701	5	20	61	52	80	70	813	792	10	14	1	1	2.9	3.1	1	1	111	106
87LFA035001	45	40	65	68	50	50	1025	1060	20	20	1	1	2.7	2.6	1	1	119	117
87LFA035002	15	20	59	58	50	60	1000	981	18	14	1	1	2.5	2.7	1	1	111	102
87LFA036601	20	10	33	33	70	60	757	752	16	22	2	1	4.3	4	1	1	161	152
87LFA049801		10		62		60		1030		10		1		0.4		1		108
87LFA064901	65	2.5	55	52	80	60	776	762	1	18	1	1	0.1	0.6	1	1	107	104
87LFA066301	40	5	62	60	70	50	1025	1020	1	10	1	1	0.4	0.1	1	1	114	116
87LFA081101	25	20	75	77	50	70	1020	1040	36	22	1	1	0.1	0.8	1	1	107	108
87LFA081201	20	5	60	60	80	90	1190	1270	14	16	1	1	0.1	0.1	1	1	121	126
87LFA082601	30	5	61	55	80	80	745	704	6	6	1	1	0.1	0.1	1	1	127	117
87LFA091201	2.5	15	60	58	120	130	932	992	1	14	1	1	0.1	0.1	1	1	113	114
87LFA800001	2.5	25	52	52	80	100	912	916		10	1	1	0.4	0.2	1	1	111	103
87LFA800501	55	65	61	64	30	50	1384	1430		20	1	2	1.2	2.4	4	5	117	119
87LFA803701	5	5	51	54	80	100	1068	1145		8	1	1	0.4	0.6	1	1	97	99
87LFA804601	20	15	40	38	420	460	1164	1120		8	1	1	0.6	0.1	1	1	86	78
87LFA805201	40	30	50	53	90	120	762	800		6	1	1	0.6	0.4	1	1	112	110
87LFA805202	20	35	53	54	90	110	798	795		6	1	1	2.4	0.2	1	1	121	113
87LFA809801	2.5	15	38	38	60	70	1127	1125		8	1	1	0.1	0.1	1	1	95	87
87LFA810101	10	10	46	50	60	70	1251	1330		16	1	1	0.1	0.4	3	3	86	83
87LFA812101	30	35	38	37	50	60	1605	1590		18	1	1	0.8	0.4	1	1	100	90
87LFA814601	20	20	45	46	80	90	924	960		10	1	1	0.4	0.1	1	1	97	92
87LFA815301	10	15	46	46	50	40	888	904		18	1	1	1.2	0.4	1	1	106	101
87LFA815501	35	40	65	66	60	60	873	890		24	2	1	2	0.8	2	1	129	120
87LFA817601	5	30	70	72	80	60	1044	1075		2	1	1	0.6	0.4	1	1	97	92
87LFA819801	40	15	53	61	180	180	622	711		26	1	1	0.8	0.4	4	1	102	108
87LFA820001	10	20	35	38	60	70	808	874		10	1	1	0.1	0.1	1	1	74	75
87LFA820201	25	25	43	45	60	70	1192	1280		22	1	1	0.4	0.4	1	1	98	98
87LFA820702	15	25	58	68	50	60	1402	1590		12	1	1	0.1	0.4	1	1	94	100
87LFA822501	35	25	92	93	70	80	1370	1340		32	1	1	0.4	0.1	1	1	122	112
87LFA824301	15	25	90	82	60	70	1156	1065		16	1	1	0.1	0.1	1	1	119	102
87LFA825101	15	25	54	54	50	70	1116	1120		14	1	1	0.1	0.6	1	1	109	111
87LFA825301	5	25	51	51	50	60	920	917		14	1	1	0.1	0.4	1	1	109	112
87LFA825501	20	15	83	83	60	80	1341	1350		22	1	1	0.1	0.4	1	1	128	132
87LFA825701	25	40	86	83	50	70	1076	1045		18	1	1	0.8	0.4	2	1	141	139
87LFA825901	15	15	66	68	60	80	1058	1085		14	1	1	0.1	0.4	1	1	95	99
87LFA830001	30	25	57	57	80	110	855	834		18	1	1	0.1	0.1	1	1	133	119
87LFA840401	2.5	5	40	43	40	70	1168	1260		10	1	1	0.1	0.1	1	1	85	92
87LFA841101	20	20	56	53	70	80	1643	1600		10	1	1	0.1	0.1	1	1	91	88

**TABLE VII : LIST OF DUPLICATE ANALYSES FOR SELECTED ELEMENTS, SILT PLUS CLAY (< 63 µm) FRACTION OF TILL
SOUTHERN MIRAMICHI ZONE, NEW BRUNSWICK
SAMPLES ANALYSED BY BONDAR CLEGG AND CO. LTD AND CHEMEX LABS LTD**

As 1: First analysis, Bondar Clegg and Co. Ltd

As 2: Second analysis, Bondar Clegg and Co. Ltd

As 10: First analysis, Chemex Labs Ltd

sample	As 1 ppm	As 2 ppm	As 10 ppm	Au 1 ppb	Au 2 ppb	Au 10 ppb	Hg 1 ppb	Hg 2 ppb	Hg 10 ppb	Sb 1 ppm	Sb 2 ppm	Sb 10 ppm
85LFA001001	25	26		2.5	2.5					1.7	1.9	
85LFA011401	20	20		2.5	2.5					1.5	1.4	
85LFA012101	16	13		2.5	2.5					1.4	1.2	
85LFA020101	8	15		2.5	2.5					0.8	8	
86LFA000501	22	23	17	4	4	1	20	20		1.9	2.1	0.8
86LFA000601	49		43	1.5		3				3.8		3.8
86LFA000701	23		15	1		1				2.6		1.4
86LFA000801	67		63	5		4				6.5		5.6
86LFA001101	24		23	3		3				1.6		1.2
86LFA001301	85.9		90	4		4				8.5		7.6
86LFA001401	23		19	6		2				1.8		1.2
86LFA001501	24		17	6		2				2.2		1.6
86LFA001701	41		36	1		3				4.3		4
86LFA001801	41		38	4		3				2.6		1.8
86LFA001901	60.6		39	1.5		9				2.1		1.4
86LFA002001	75.8		60	5		3				3.8		3.2
86LFA002201	39	40	32	3	4	9	40	40		3.1	3.1	2.4
86LFA002501	36		27	1.5		1				3		2.2
86LFA002601	30		23	1		1				2.9		2.4
86LFA002701	12		3	4		2				1.4		0.6
86LFA002801	24		15	1		2				1.6		1.1
86LFA003001	7.2		5	2		1				0.8		0.2
86LFA003101	36		29	1.5		3				1.6		1
86LFA003301	51		41	1.5		1				1.7		1.2
86LFA003401	17		9	1		11				1.1		0.2
86LFA003501	31		23	4		2				1.6		0.6
86LFA004001	18	19	11	7	1	1	70	30		2.2	2.5	1.4
86LFA004301	21		11	1		1				1.6		0.9
86LFA004401	14		6	2		3				1.6		0.8
86LFA004501	29		16	2		2				2.4		1.4
86LFA005001	11		6	10		7				2		1
86LFA005101	15		7	4		1				1.5		0.9
86LFA005601	14		6	1		4				1.4		0.8
86LFA005801	20		11	3		2				2.1		1.1
86LFA005901	13		7	5		1				1.1		0.4
86LFA006001	12		7	1		3				1.3		0.4
86LFA006101	19		14	1		4				2.4		1.9
86LFA006501	23		14	7		4				2.4		1.6
86LFA006601	11	10	6	1	1.5	2	65	55		2	1.8	0.8
86LFA007001	22		10	1		3				1		0.2
86LFA007101	19		11	3		1				1.2		0.3
86LFA007201	14		7	1		2				1.1		0.2

sample	As 1 ppm	As 2 ppm	As 10 ppm	Au 1 ppb	Au 2 ppb	Au 10 ppb	Hg 1 ppb	Hg 2 ppb	Hg 10 ppb	Sb 1 ppm	Sb 2 ppm	Sb 10 ppm
86LFA007301	7.1		4	1		1				0.8		0.4
86LFA010301	16		9	1.5		2				1.2		0.4
86LFA010501	32		22	1		2				2.7		2.2
86LFA011101	27	30	16	1.5	1.5	6				1.6	1.7	0.6
86LFA011201	16		10	1		1				1.3		0.8
86LFA012801	22		14	1		1				1.6		1
86LFA012901	24		15	4		2				4.5		3
86LFA013101	56.5		33	1		1				3		2
86LFA013401	21	20		4	1					1.7	1.6	
86LFA013701	17		10	5		1				1.9		1
86LFA013801	4.8		3	1		3				0.9		0.2
86LFA014101	26		11	6		1				1.3		0.8
86LFA014301	19		11	1		1				1.4		1
86LFA014701	23		12	1		3				3.7		2.2
86LFA015001	37		19	4		2				2.5		2.2
86LFA015101	37		19	1		1				3.2		2.6

**TABLE VIII: LIST OF DUPLICATE ANALYSES FOR SELECTED ELEMENTS, CLAY PLUS SILT (< 63 µm) FRACTION OF TILL
SOUTHERN MIRAMICHI ZONE, NEW BRUNSWICK
SAMPLES ANALYSED BY CHEMEX LABS LTD**

As 10: First analysis, Chemex Labs Ltd

As 11: Second analysis, Chemex Labs Ltd

sample	As 10 ppm	As 11 ppm	Au 10 ppb	Au 11 ppb	Sb 10 ppm	Sb 11 ppm
87LFA034301	9	6		2	0.4	0.4
87LFA034401	12	12		2	0.8	0.8
87LFA036601	7	9	0.5	3	0.6	0.4
87LFA049301	3	5	2	0.5	0.2	0.1
87LFA080701	5	5	3	1	0.1	0.3
87LFA801101	7	9	3	9	0.4	0.4
87LFA802101	6	5	4	8	0.4	0.2
87LFA804901	9	9	4	7	0.2	0.2
87LFA806001	11	14	2	7	1	1.2
87LFA806101	11	11	2	8	0.4	0.4
87LFA806701	6	6	1	7	0.2	0.2
87LFA808101	11	10	0.5	8	0.2	0.4
87LFA808501	10	12	0.5	9	0.4	0.6
87LFA809101	12	10	1	8	0.6	0.8
87LFA810101	9	9	5	8	0.7	0.6
87LFA812601	6	6	1	6	0.2	0.4
87LFA813401	10	11	1	9	0.4	0.8
87LFA816401	17	16	2	7	1	1
87LFA819101	11	11	4	10	0.8	0.6
87LFA821101	10	9	1	8	0.4	0.5
87LFA821801	9	9	3	8	1	1.2
87LFA822501	11	10	5	12	0.4	0.4
87LFA822701	5	5	3	7	0.1	0.2
87LFA824501	10	10	7	13	0.5	0.4
87LFA825101	6	7	3	9	0.2	0.3
87LFA825301	14	12	5	11	1.2	1.2
87LFA826301	20	19	2	9	0.6	0.6
87LFA831601	7	7	7	9	0.3	0.4
87LFA831801	10	12	10	9	0.8	0.6

PLATE 10

COPPER ABUNDANCE IN CLAY FRACTION OF TILL

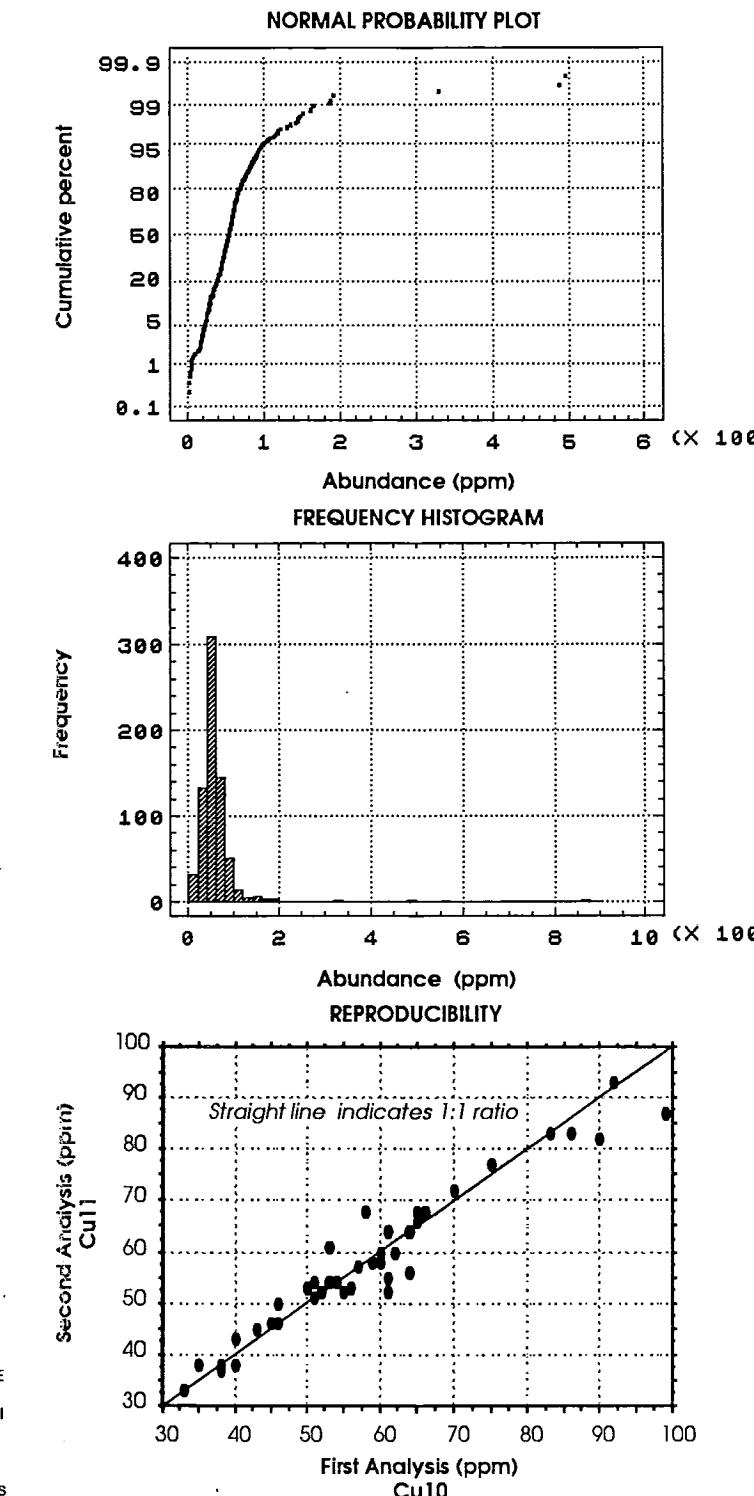
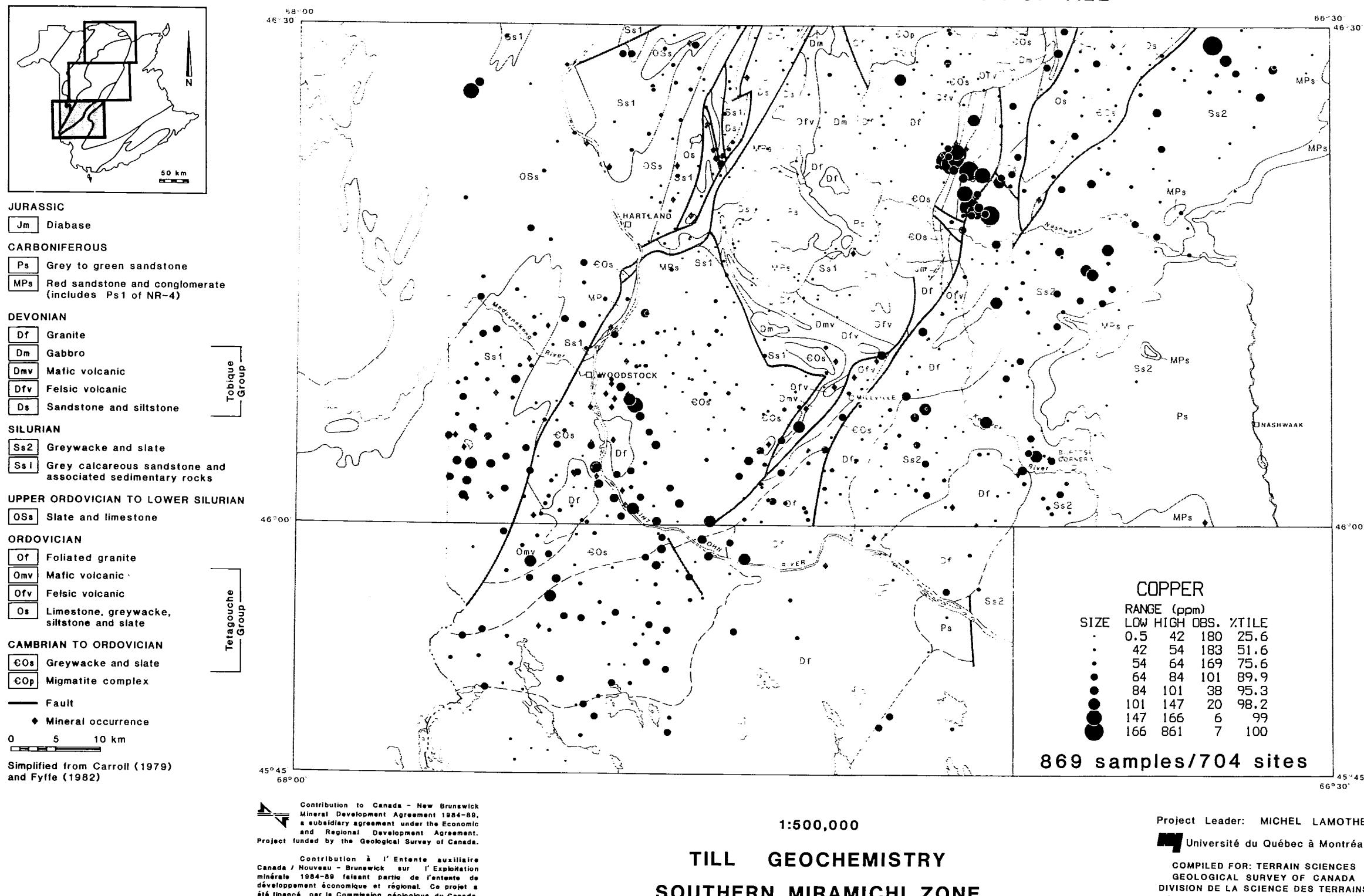


PLATE 11

LEAD ABUNDANCE IN CLAY FRACTION OF TILL

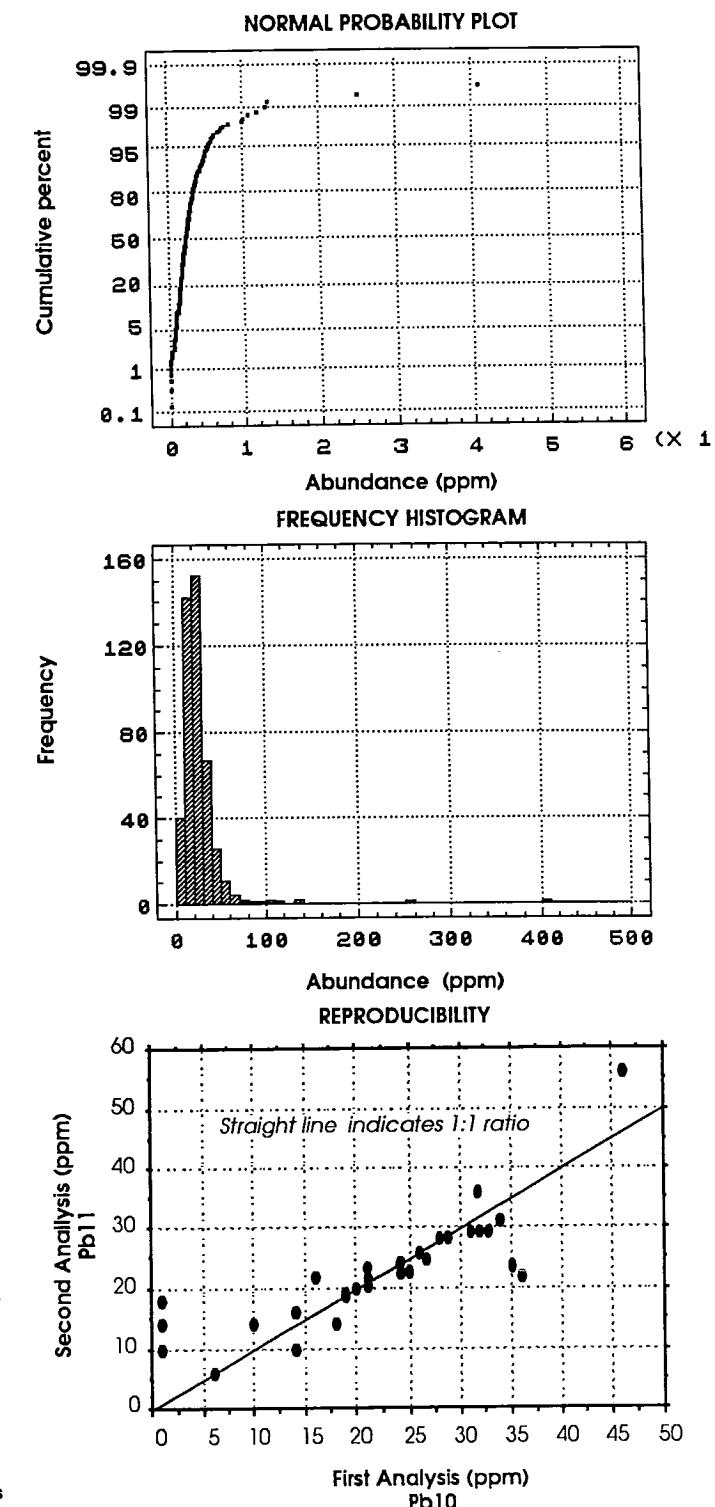
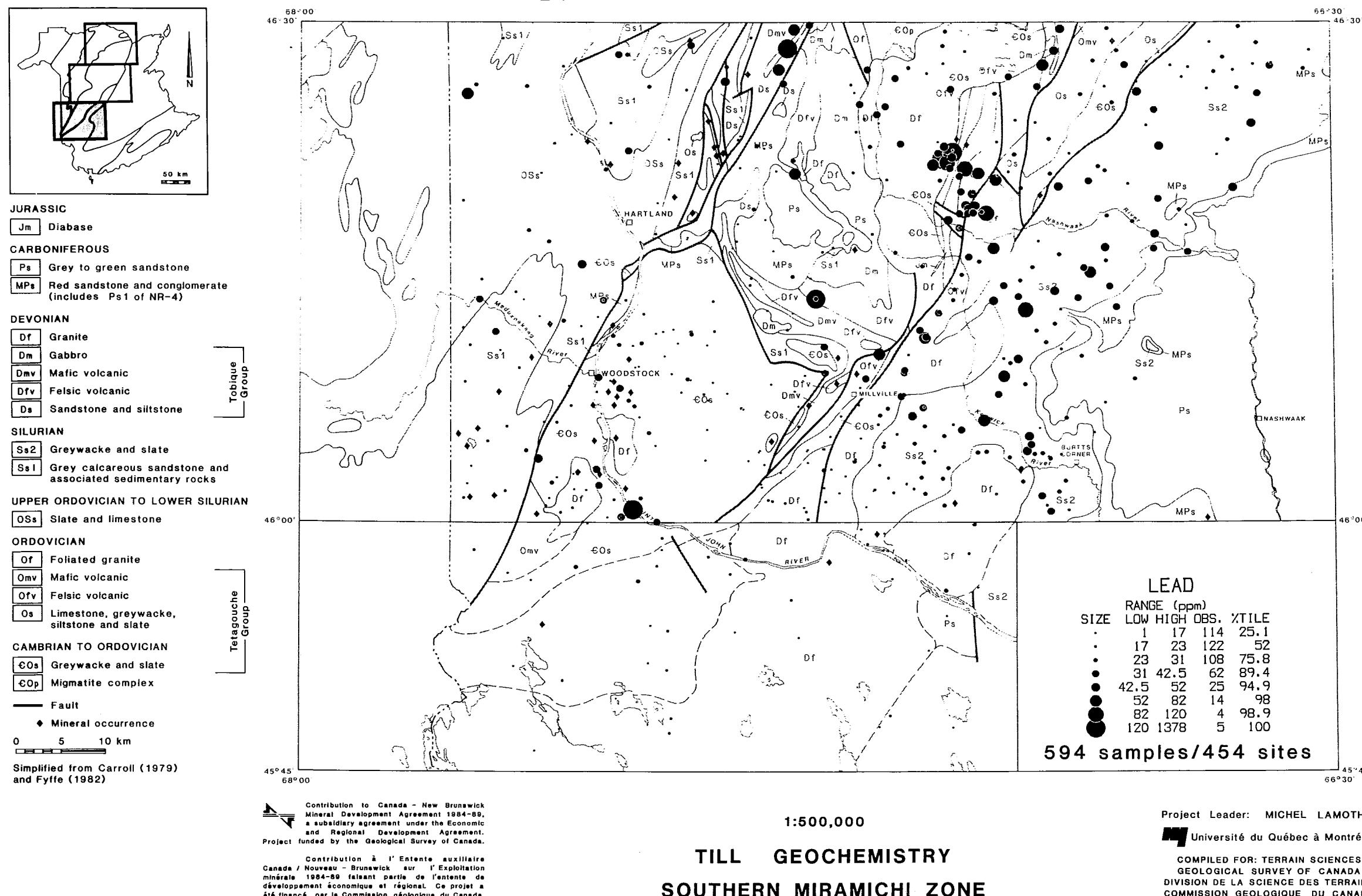
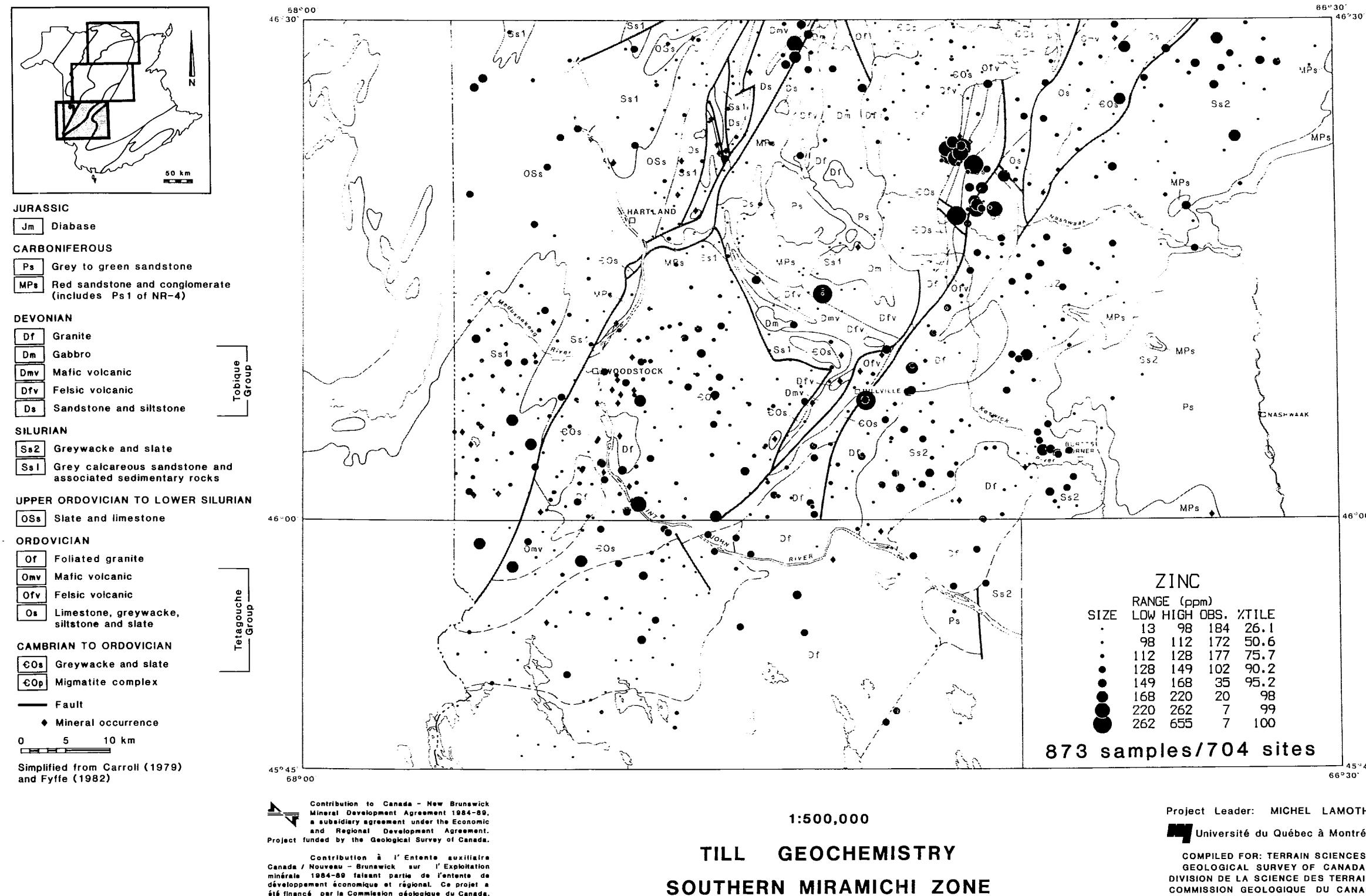


PLATE 12

ZINC ABUNDANCE IN CLAY FRACTION OF TILL



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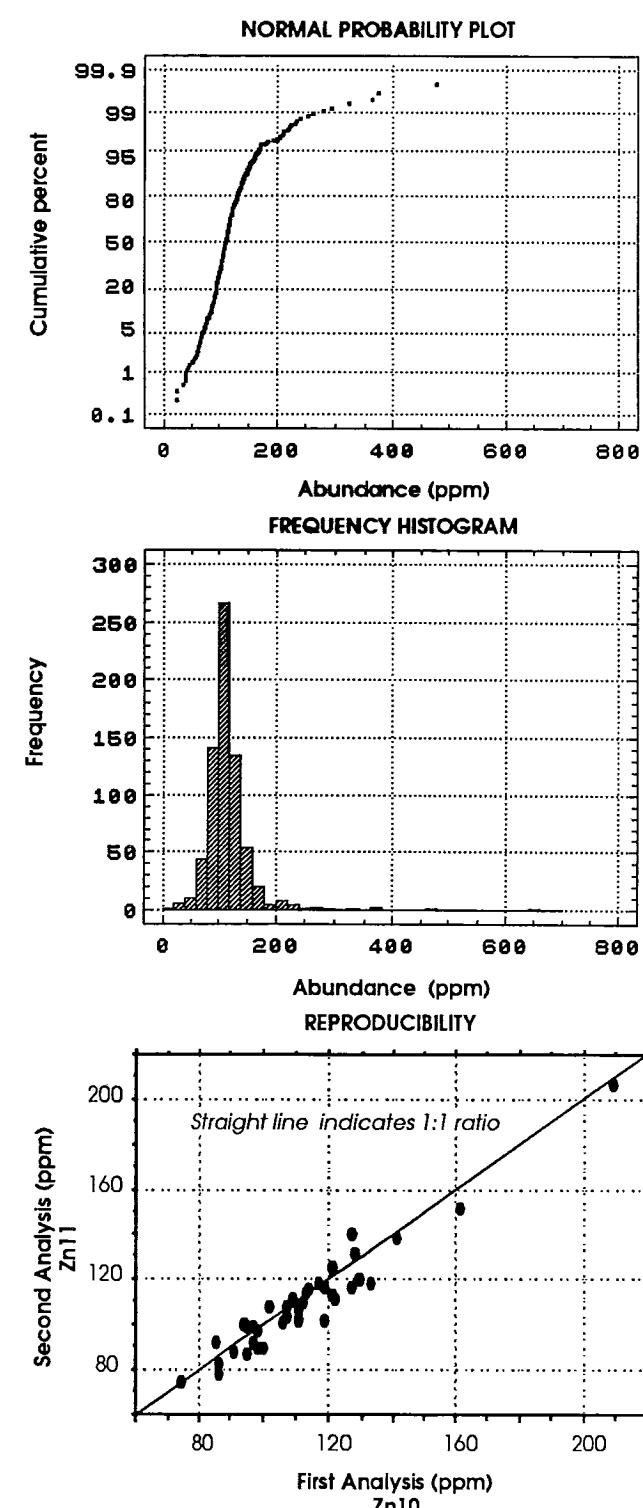


PLATE 13

TIN ABUNDANCE IN CLAY FRACTION OF TILL

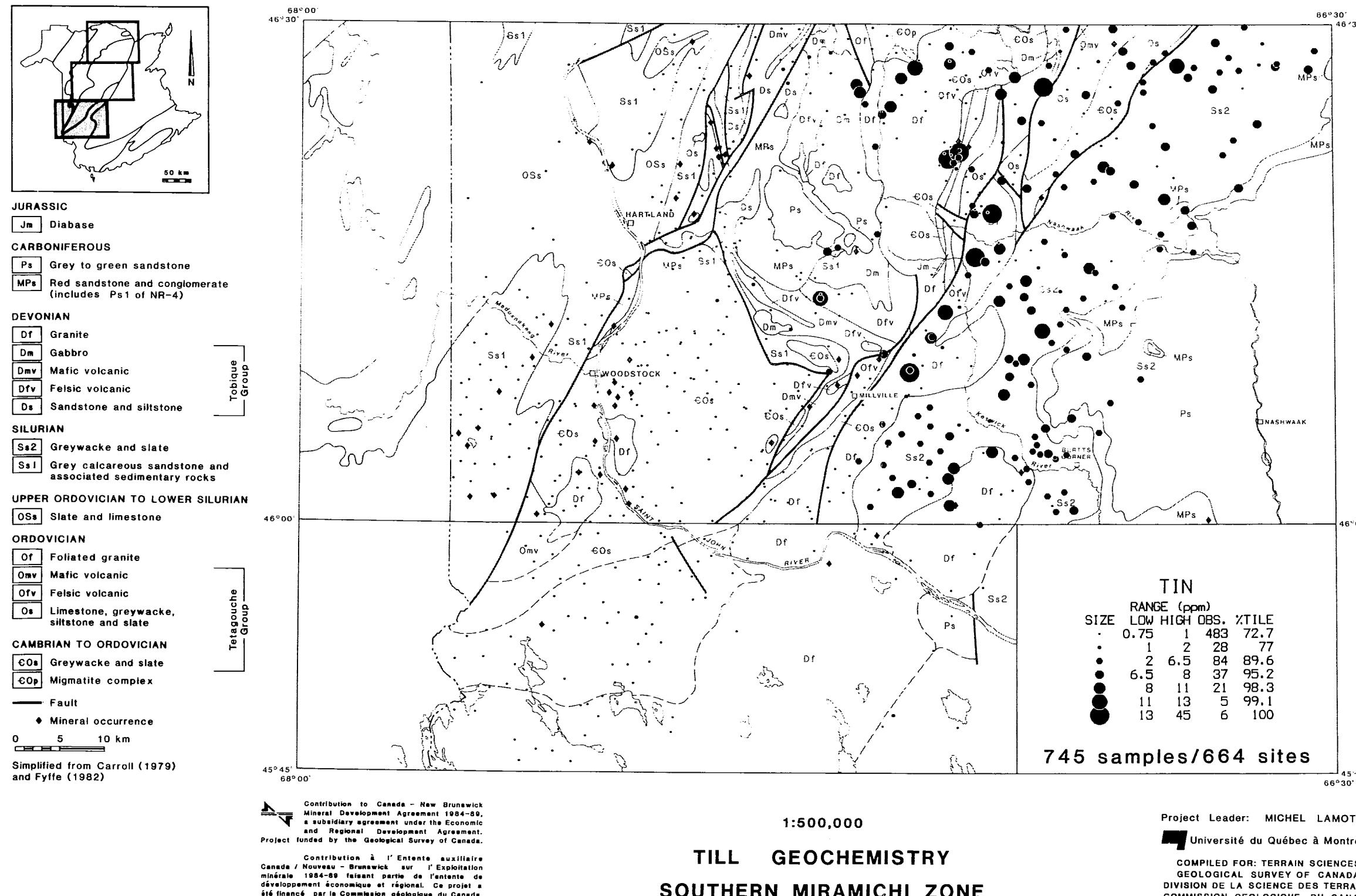


PLATE 14

TUNGSTEN ABUNDANCE IN CLAY FRACTION OF TILL

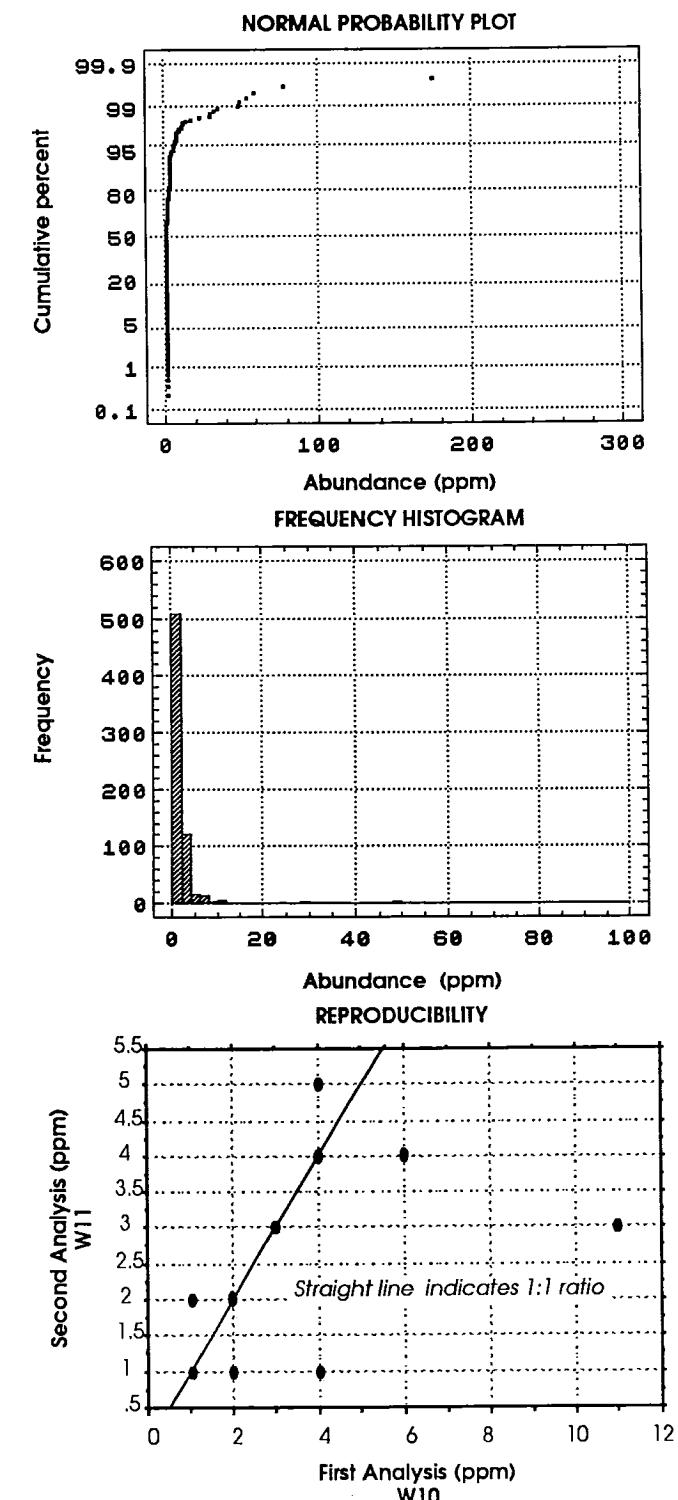
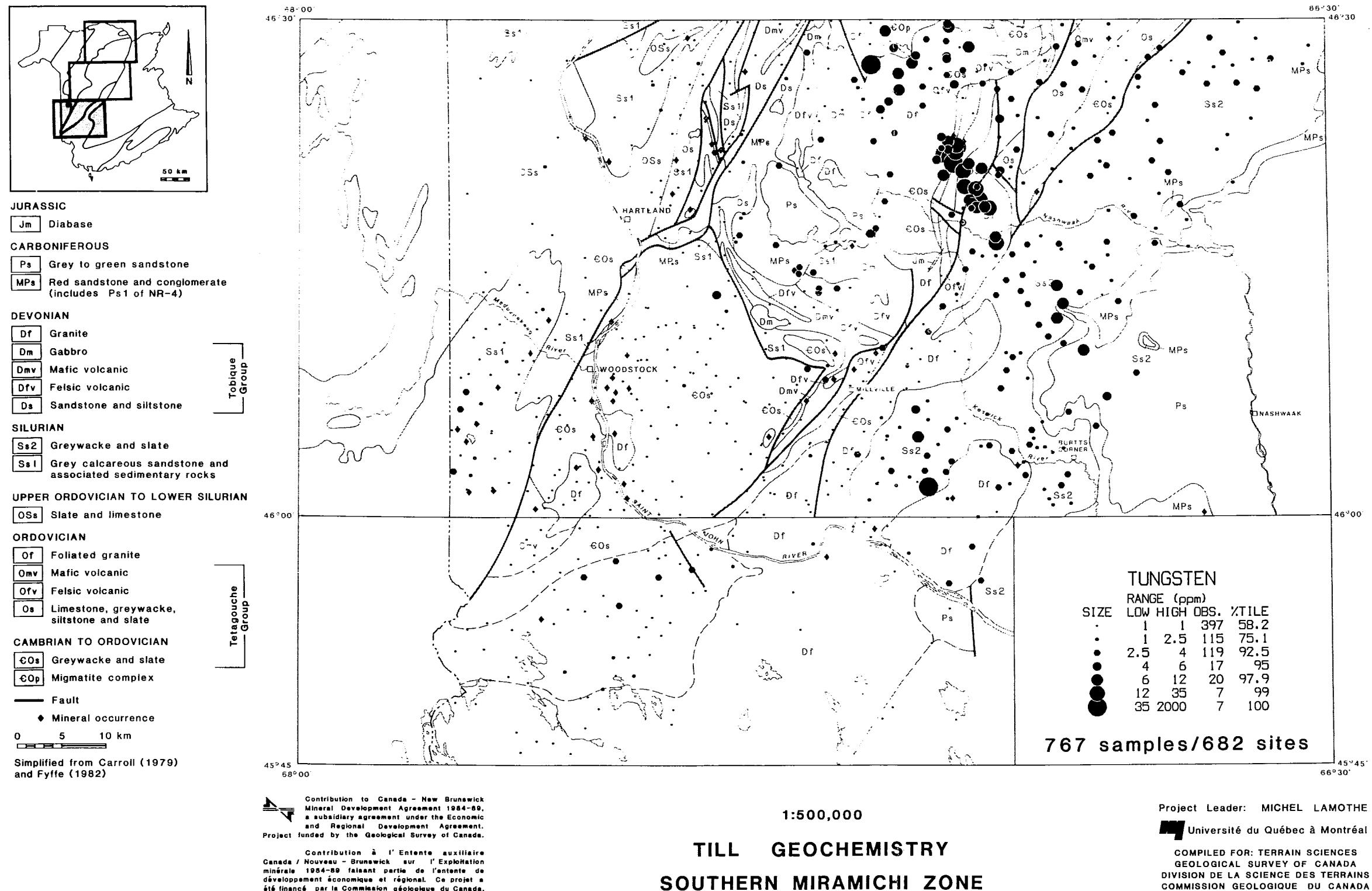


PLATE 15

ARSENIC ABUNDANCE IN CLAY FRACTION OF TILL

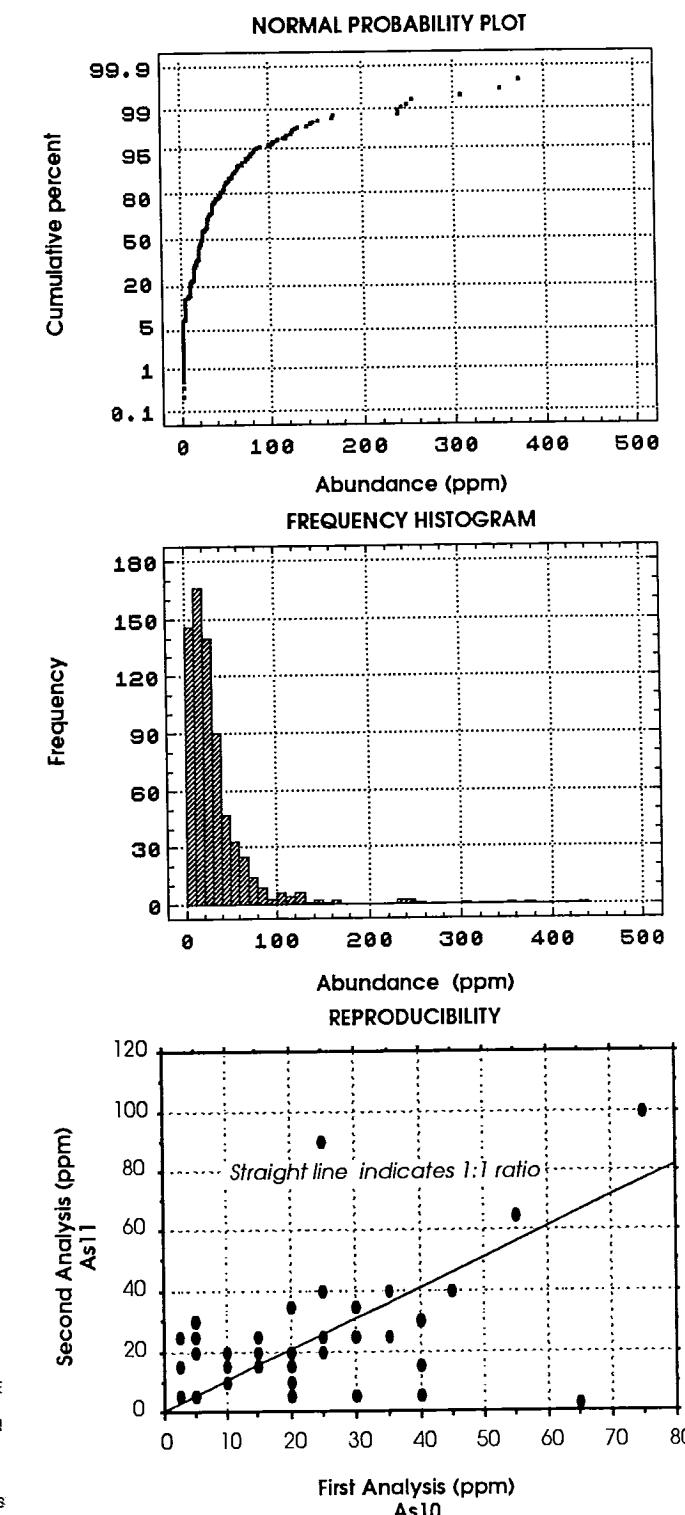
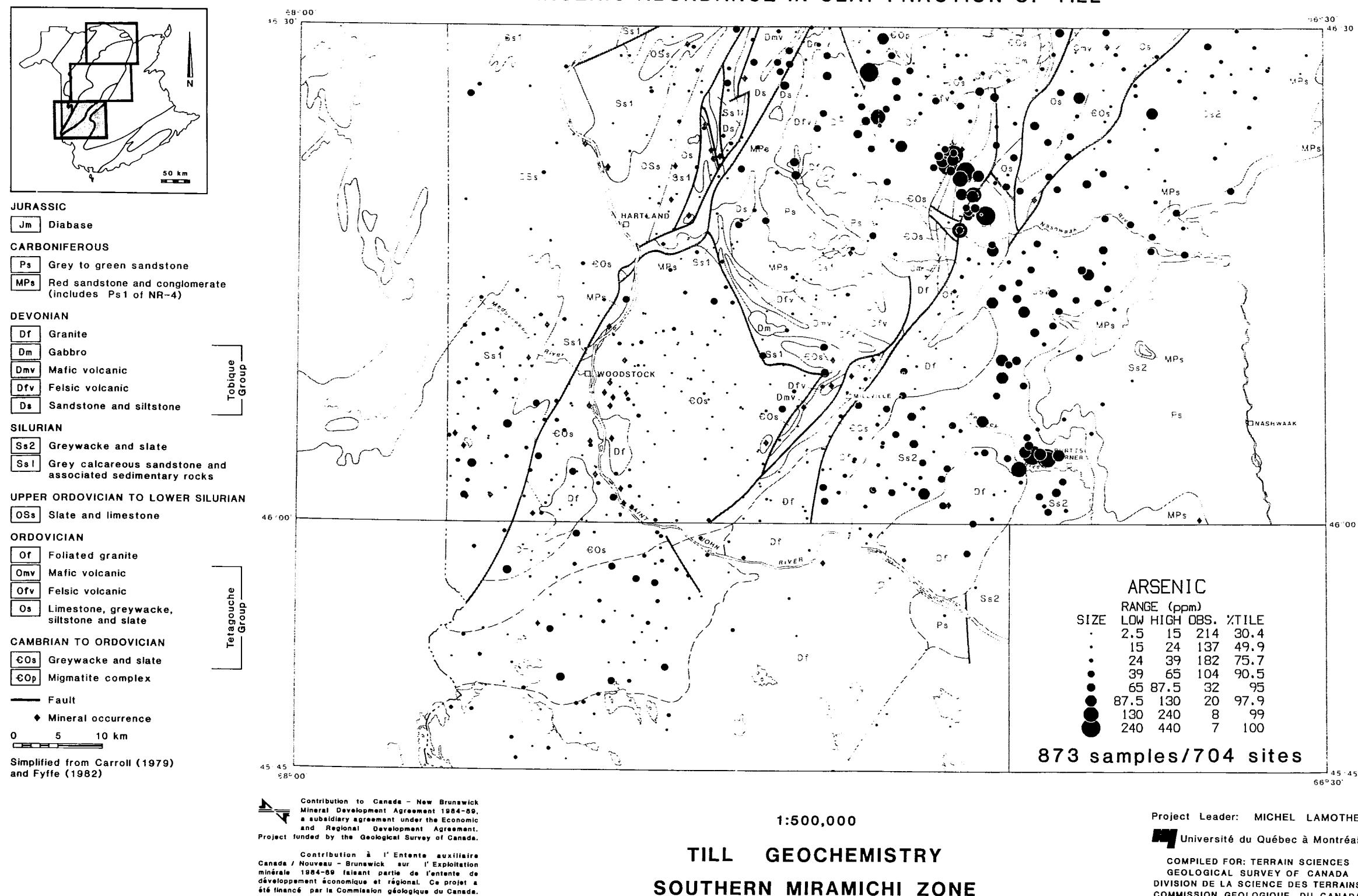


PLATE 16

URANIUM ABUNDANCE IN CLAY FRACTION OF TILL

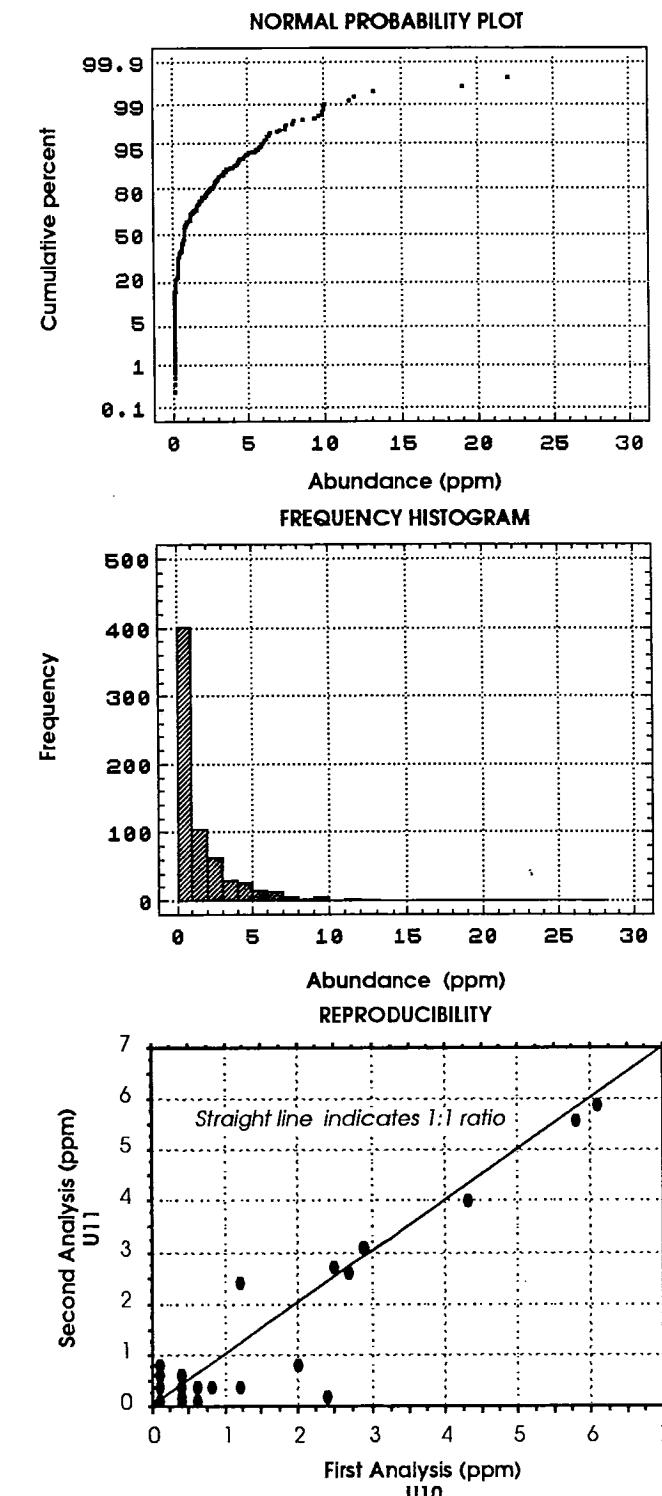
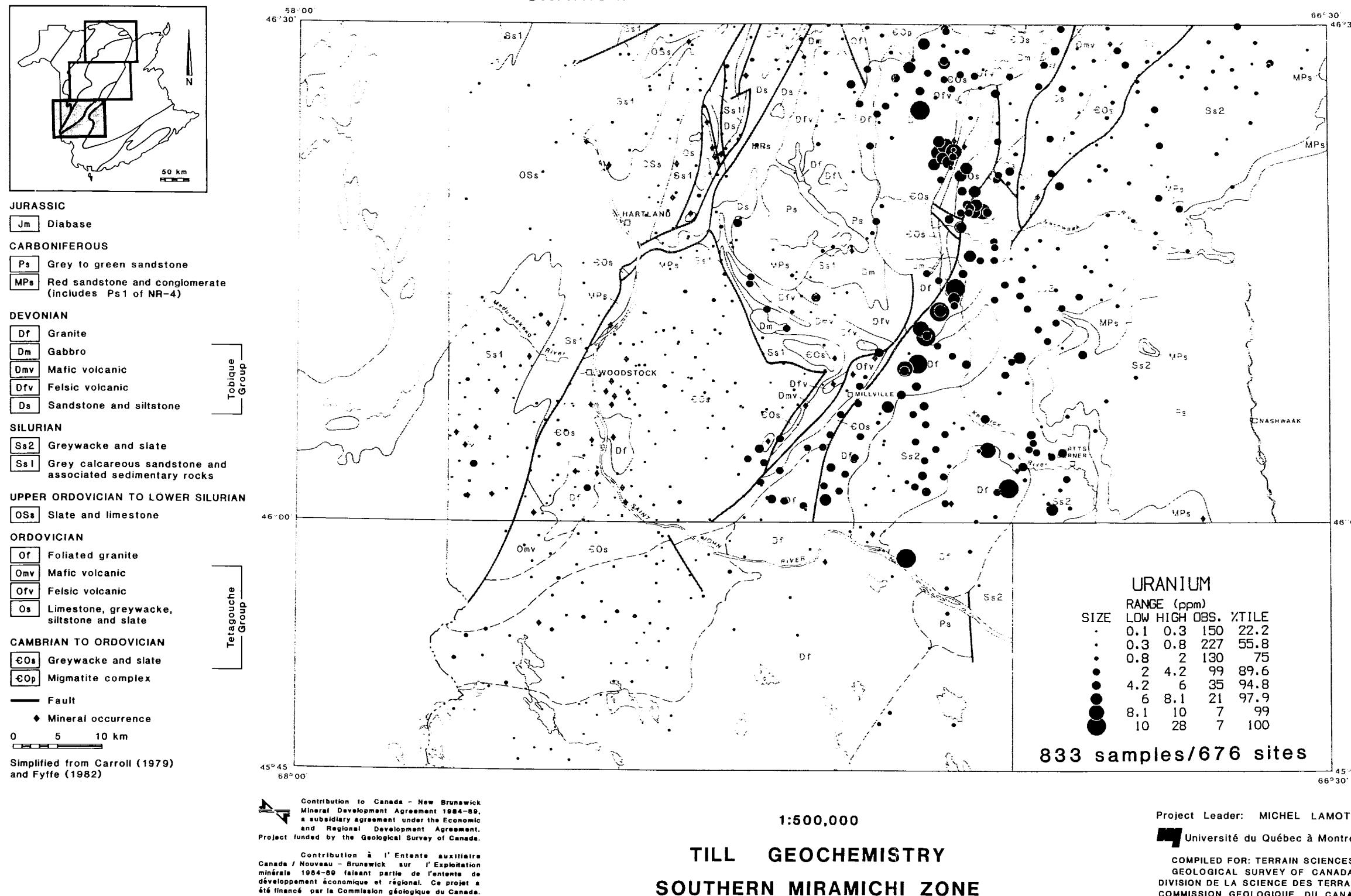
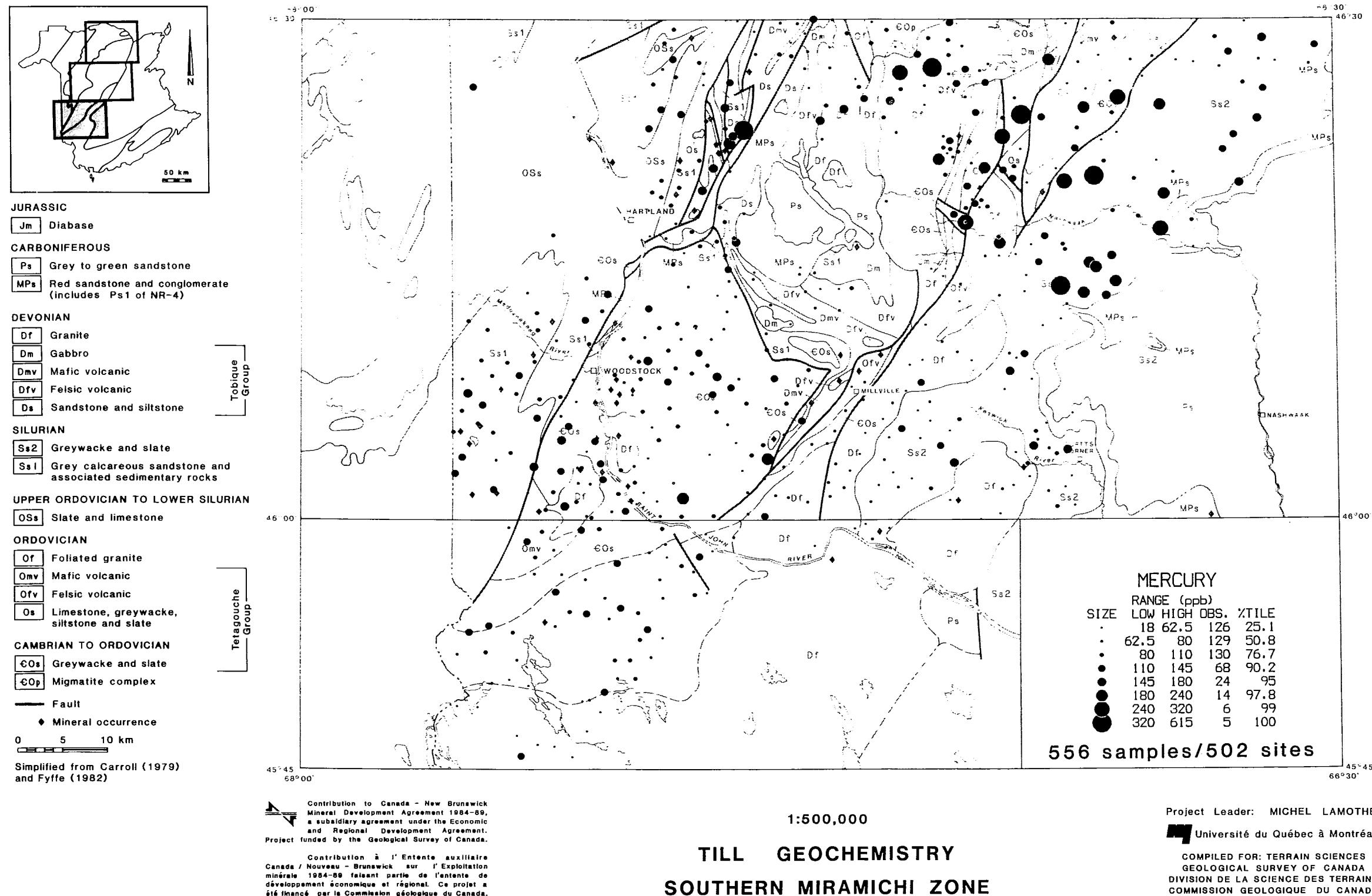


PLATE 17

MERCURY ABUNDANCE IN CLAY FRACTION OF TILL



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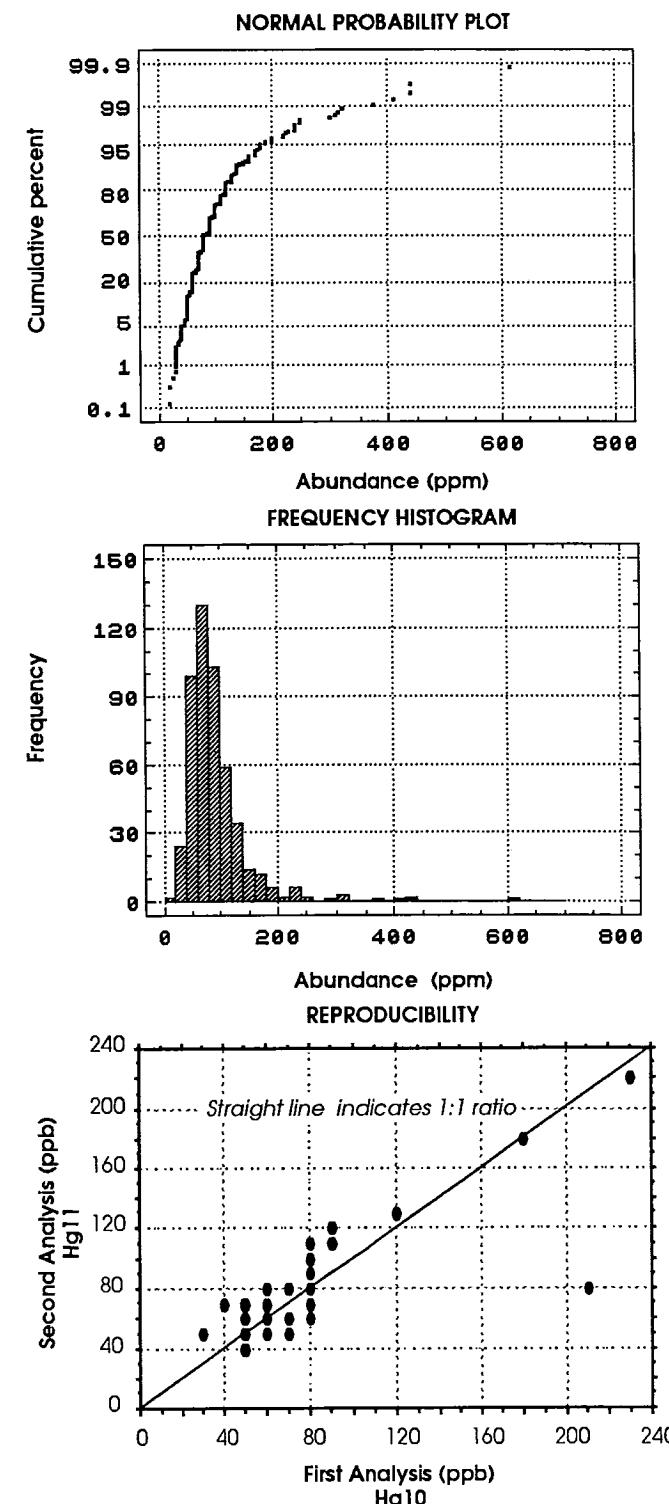


PLATE 18

ARSENIC ABUNDANCE IN CLAY PLUS SILT FRACTION OF TILL

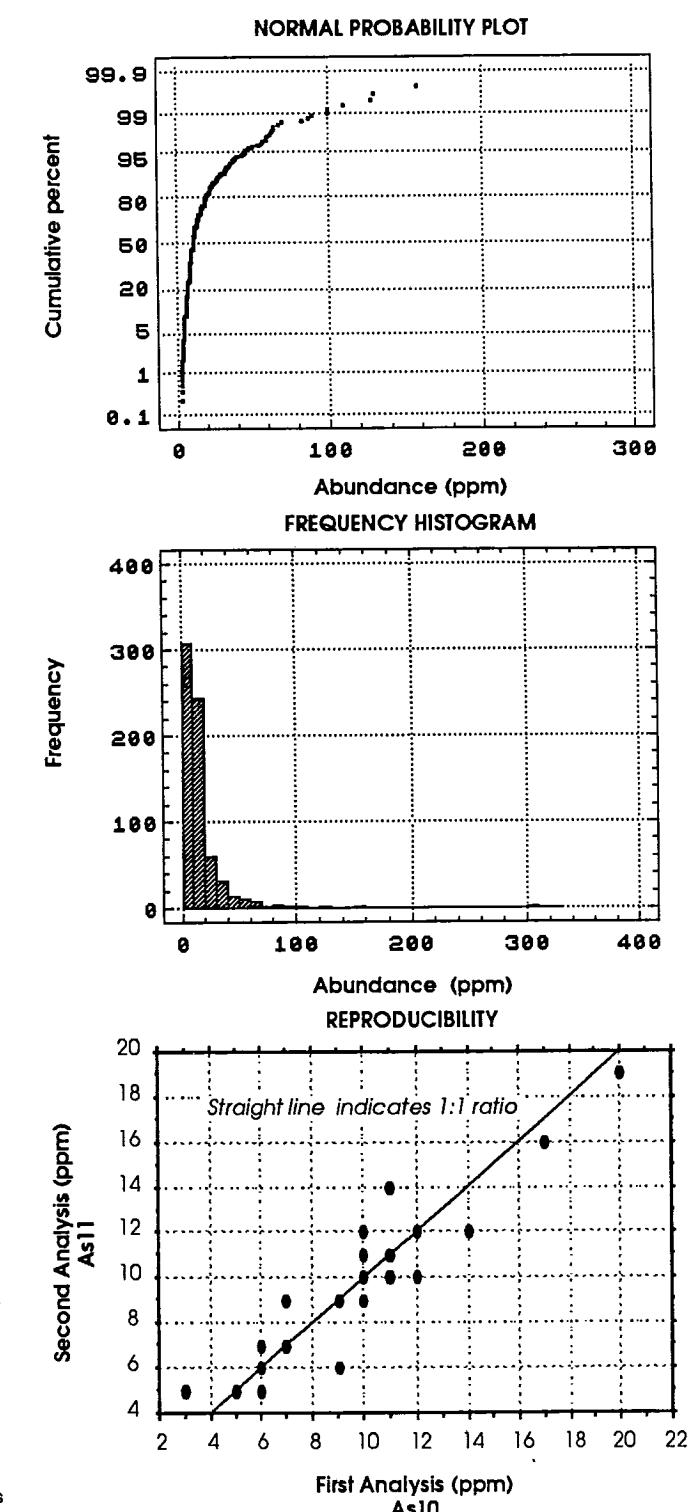
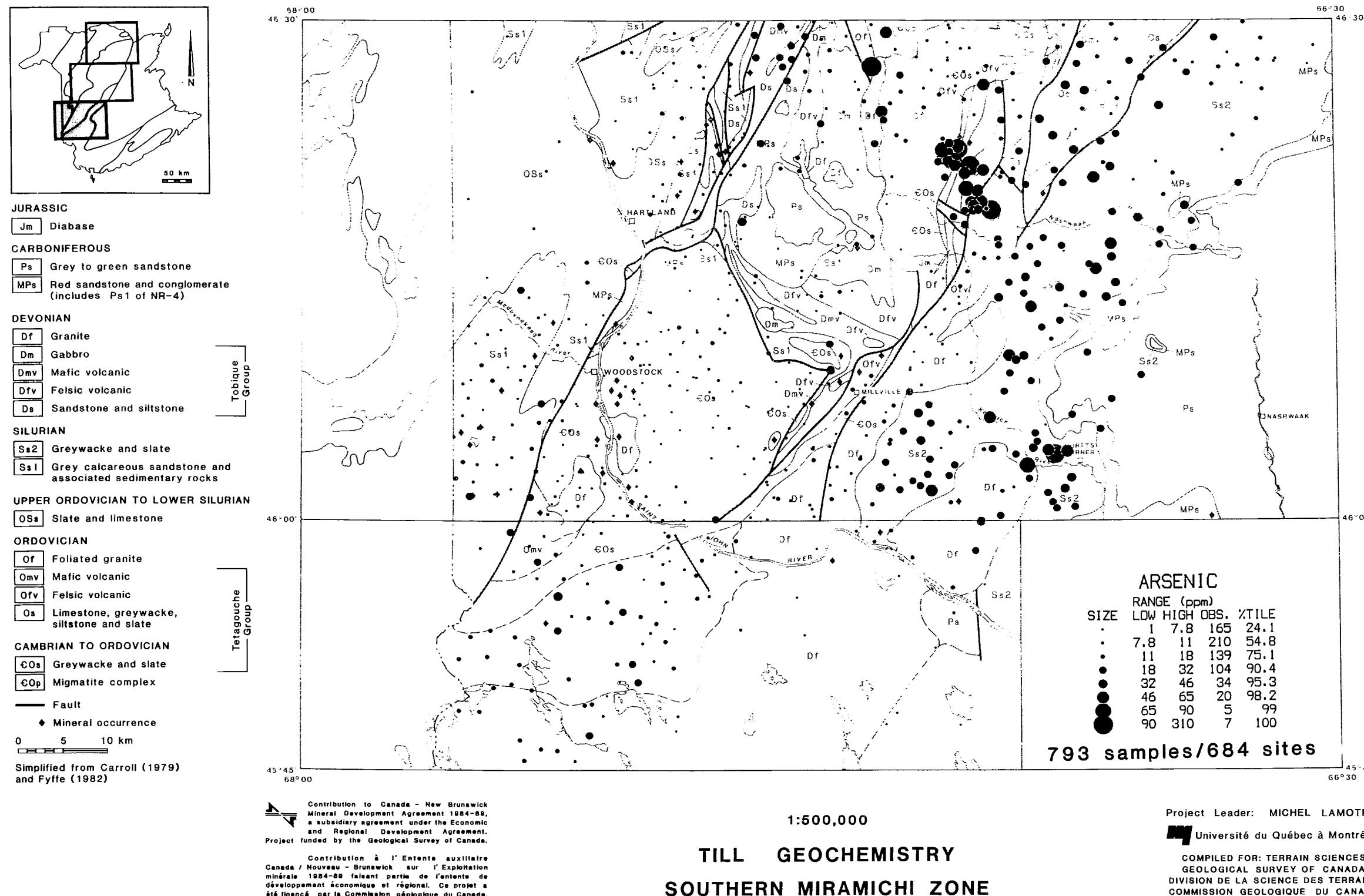


PLATE 19

ANTIMONY ABUNDANCE IN CLAY PLUS SILT FRACTION OF TILL

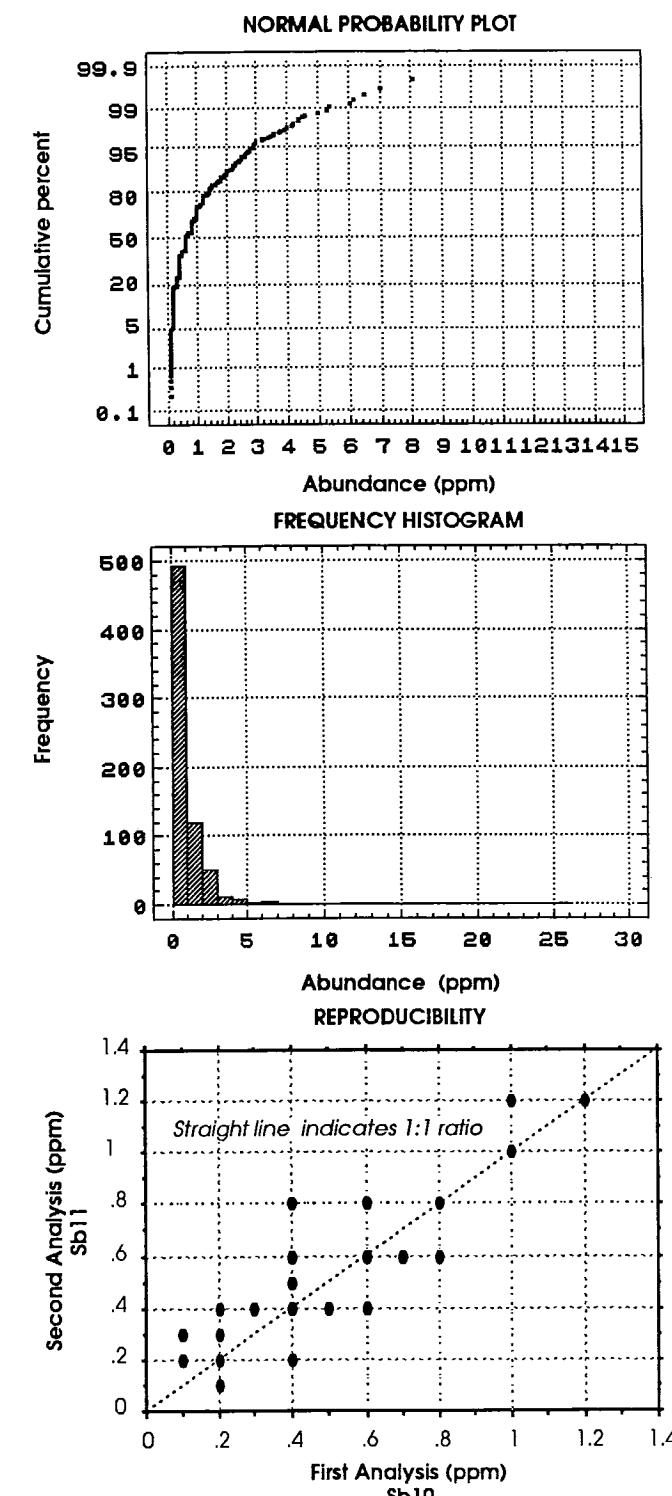
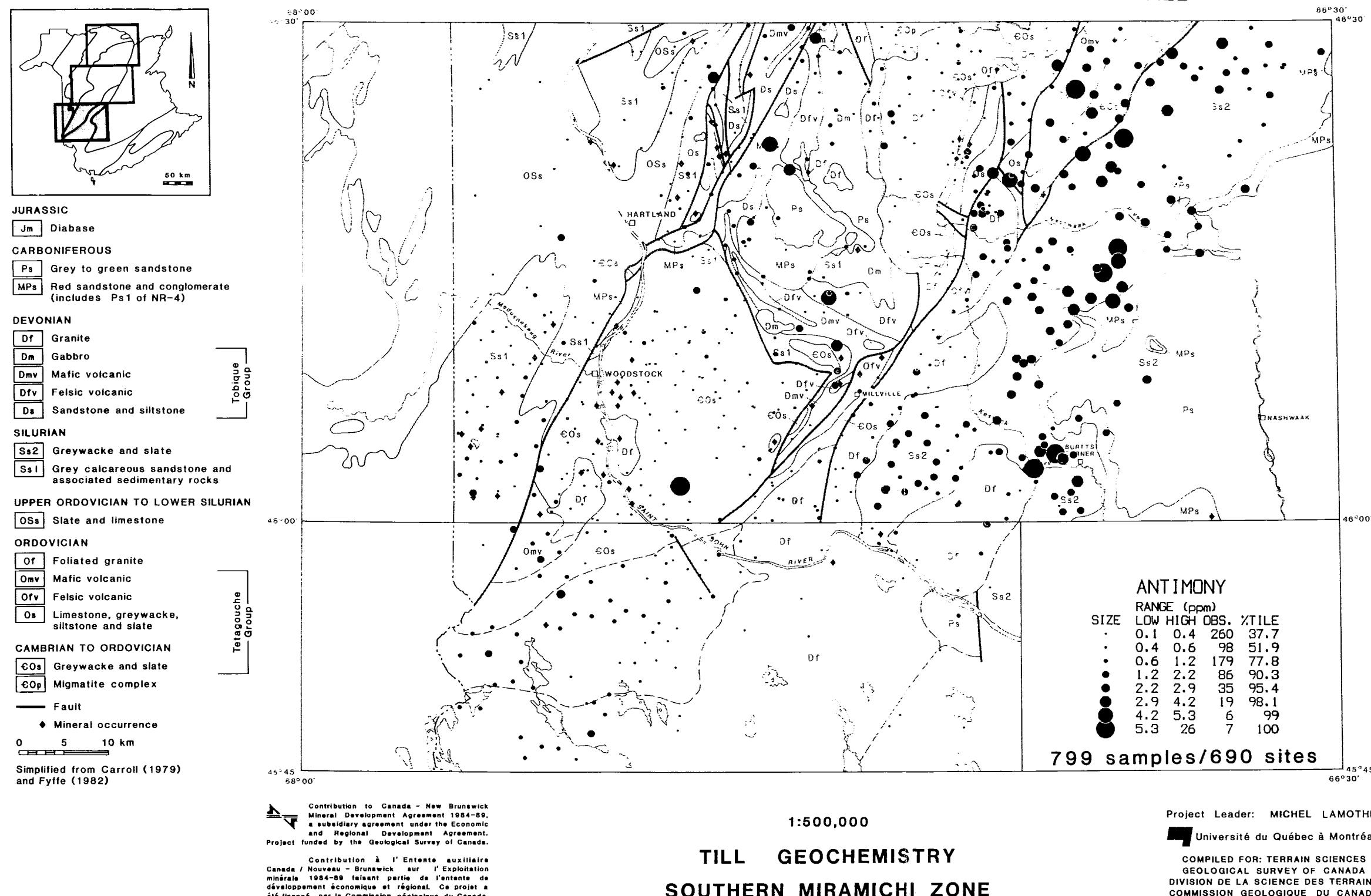
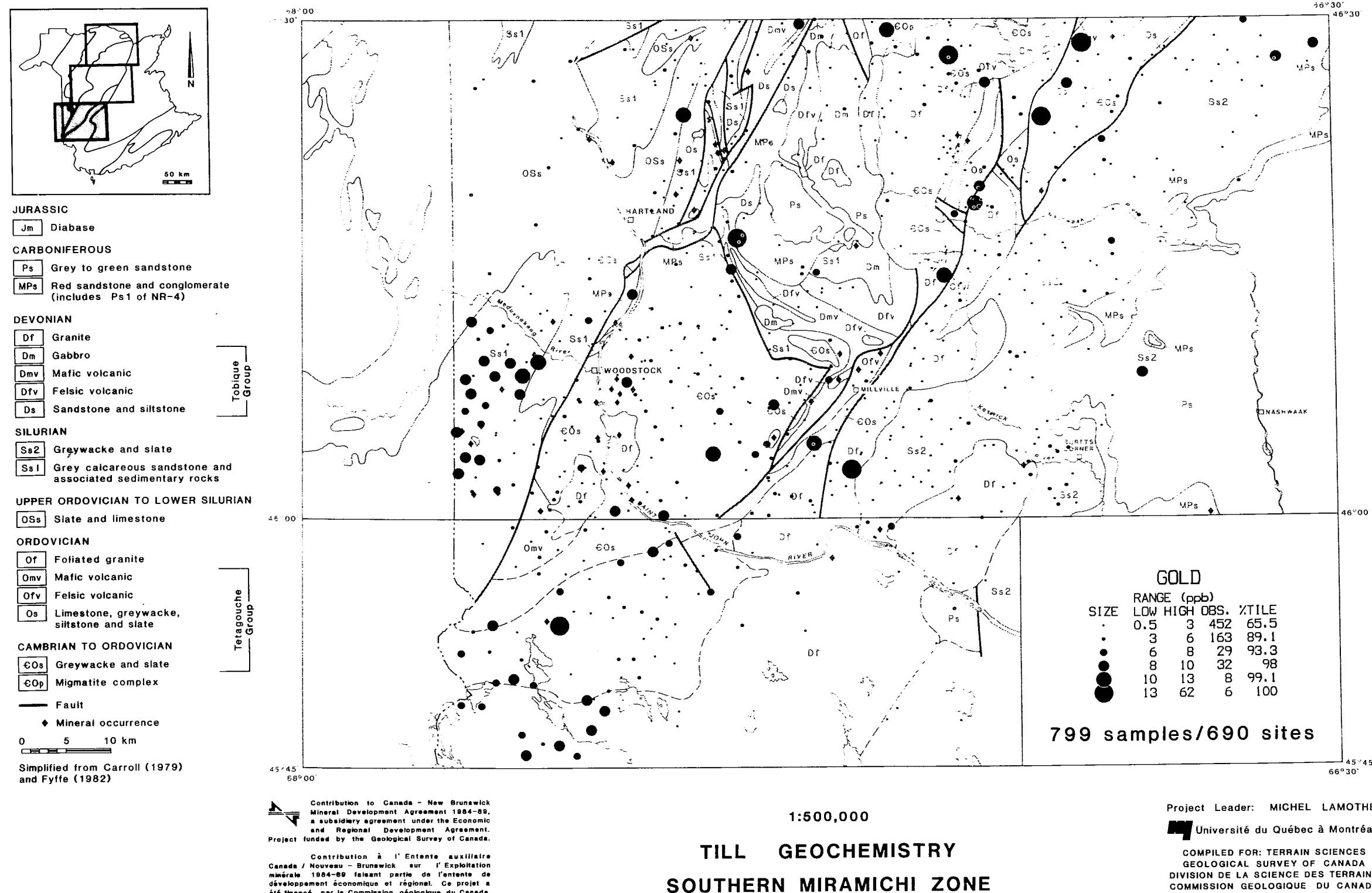


PLATE 20

GOLD ABUNDANCE IN CLAY PLUS SILT FRACTION OF TILL



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