Rainy River Resources Ltd.
Off Lake Property, Ontario

Report on July, 2006 Till Sampling Program

by
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ODM *Exploring Heavy Minerals*

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1. SUMMARY

This report documents a 59-sample heavy mineral geochemical pit sampling program of glacial till for Rainy River Resources Limited in late July, 2006 on the company's Off Lake property in northwestern Ontario near the Manitoba-Minnesota borders.

Geologically the Off Lake property is located in the northeastern part of the Archean-age Rainy River Greenstone Belt and is dominated by a 4.6 km thick, southwest-trending, southeast-facing metavolcanic assemblage, approximately 8 km in exposed width. The metavolcanics on the property include: (1) a lowermost unit in the northwest, consisting of mafic flows intruded by numerous quartz-feldspar porphyry dykes; (2) a second mafic unit characterized by a change from mainly massive to mainly pillowed and porphyritic flows; and (3) an upper unit of mainly dacitic fragmental rocks, in the southeast. Pleistocene glaciation in the Rainy River area consisted of an early advance of the Labradorean ice sheet from the northeast followed by a later advance of Keewatin ice from the west. Although much of the Rainy River area is covered by thick, exploration-hindering Keewatin Till, the Off Lake property lies on high ground that impeded the Keewatin ice advance and is therefore covered only by a thin, discontinuous layer of geochemically-responsive Labradorean Till.

Mineral exploration in the Off Lake area dates back to the 1930s over which time three distinct styles of mineralization were defined: (1) high-grade but very small lode gold deposits associated with quartz-veining in the mafic volcanics; (2) low-grade Cu and Zn mineralized zones hosted within tuffaceous units; and (3) Au-rich VMS mineralization associated with felsic volcanics. Two till samples collected by the Ontario Geological Survey over felsic volcanic rocks on the property during a regional overburden sampling program between 1987 and 1990 yielded gold grain results significantly above regional background levels. The grains were mainly pristine or modified suggesting derivation from a nearby bedrock source.

Rainy River Resources' sampling extended across the property but focused primarily on testing the felsic units, where sufficient Labradorean Till was available, to search for gold-rich VMS mineralization. One traverse across the main mafic unit on the western part of the property tested for vein-type lode gold mineralization. Only high-quality, stony, subglacial, Labradorean Till was

sampled. The sample pits were dug to an average depth of 0.9 m to reach the essentially unoxidized C-horizon of the till. The till samples were processed to extract any available gold grains for classification, measurement and gold assay calculation. For all samples, a -0.063 mm clay + silt subsample of the raw, unprocessed till was analyzed geochemically to identify any broad scale associations between gold and other elements. The total contract sampling and geology costs for the program were $27914.58 or $473.13/sample.

All till samples yielded gold grains with the strongest anomaly being 53 grains significantly exceeding the one to ten grains per sample background. If the targets were gold alone the anomalies would all be considered weak but for the gold component of VMS mineralization they could represent significant anomalies. For the -0.063 mm geochemical fraction, Au values are generally <2 ppb and As values are consistently low (0.8 to7.7 ppm). One till sample, collected overtop bedrock anomalous in Au, Ag, Zn, Cd, Pb and Cu at the north end of Off Lake, is strongly anomalous in Zn (768 ppm) and significantly anomalous in Pb (35 ppm). The gold grain and till geochemical results define eight anomalous target areas that are mostly suggestive of VMS fertility and requiring further investigation. The targets identified from gold grains using a 20-grain threshold with a significant proportion of pristine or modified grains, are: (1) along the western shore of Off Lake, south of Spring Lake and north of French Road; (2) along the northwest shore of Burditt Lake, west of Buckhorn Point; (3) southwest of Cedar Lake; (4) northeast of Pony Lake; and (5) north of Boundary Lake between Beadle and Preachers Lakes. Three targets have been identified from analysis of the -0.063 mm clay + silt fraction. These are: (1) southwest of Spring Lake where Sample 03 is anomalous in Cu (149 ppm), Zn (153 ppm) and Mn (1740 ppm); (2) west of the southern margin of Off Lake, where Sample 43 is weakly anomalous in Cu (114 ppm); and (3) north of Potts Lake where Sample 46 is weakly anomalous in Cu (123 ppm).

On the basis of this first phase of till sampling, follow-up till sampling and prospecting on all five gold grain defined targets and the -0.063 mm Cu-Zn-Mn target southwest of Spring Lake is recommended to further define the anomalies and develop drill targets. The estimated cost of this approximately 60-sample program is $30,000 and acquisition of, or access to, only minimal additional land is required. The above targets should be further prioritized using recommendations from a report currently being prepared by Dr. L.D. Ayres, who is studying centres of felsic volcanism and VMS mineralization on the property.

2. INTRODUCTION

2.1 Property Location, Access, Ownership, Geology and Exploration History

From July 24 to July 31, 2006 Rainy River Resources Limited (RRR), through contractor Overburden Drilling Management Limited (ODM), conducted a heavy mineral geochemical till sampling program on its Off Lake property. The property is located approximately 30 km north of the town of Emo, Ontario near the Manitoba - Minnesota borders and is easily accessed via Provincial Road 615, which leads directly north from Emo into the Off Lake - Burditt Lake area, as well as by numerous logging roads that branch eastward from Highway 71 (Fig. 1).

The property, which consists of 52 mostly unpatented claims totaling 631 units or 10,096 hectares, is approximately 25 km northeast of and contiguous with RRR's main Richardson Township property (Fig. 1) where extensive diamond drilling is being conducted to establish National Instrument 43-101 compliant reserves on the large volcanogenic, 17 Zone gold deposit and the small 34 Zone Ni-Cu-PGE-Au massive sulphide deposit (RRR press release November 3, 2006), both of which were discovered by Nuinsco Resources (Jones, 1993). The claims cover parts of Menary, Senn, Fleming and Potts Townships. Geologically, the property lies centrally in the Archean-age (~2700 Ma) Rainy River Greenstone Belt which forms part of the Wabigoon Subprovince of the Superior Province of the Canadian Shield (Fig. 2). Mapping by Blackburn (1976) established that the Off Lake - Burditt Lake area is dominated by a 4.6 km thick, southwest trending, southeast-facing mainly greenschist facies metavolcanic assemblage approximately 8 km in exposed width bounded by the trondhjemitic Sabaskong Batholith to the north and west, by monzonitic and granodioritic rocks of the Burditt Lake Stock and granodiorites and diorites of the Jackfish Lake Complex to the east and by the Fleming Township trondhjemites to the south (Fig. 3). The metavolcanics on the Off Lake property include three units. The lowermost unit, in the northwest, consists of mafic flows intruded by numerous quartz-feldspar porphyry dykes. It is overlain by a second mafic unit that is characterized by a change from mainly massive to mainly pillowed and porphyritic flows. The upper unit, in the southeast, consists of felsic (dacitic), mainly fragmental

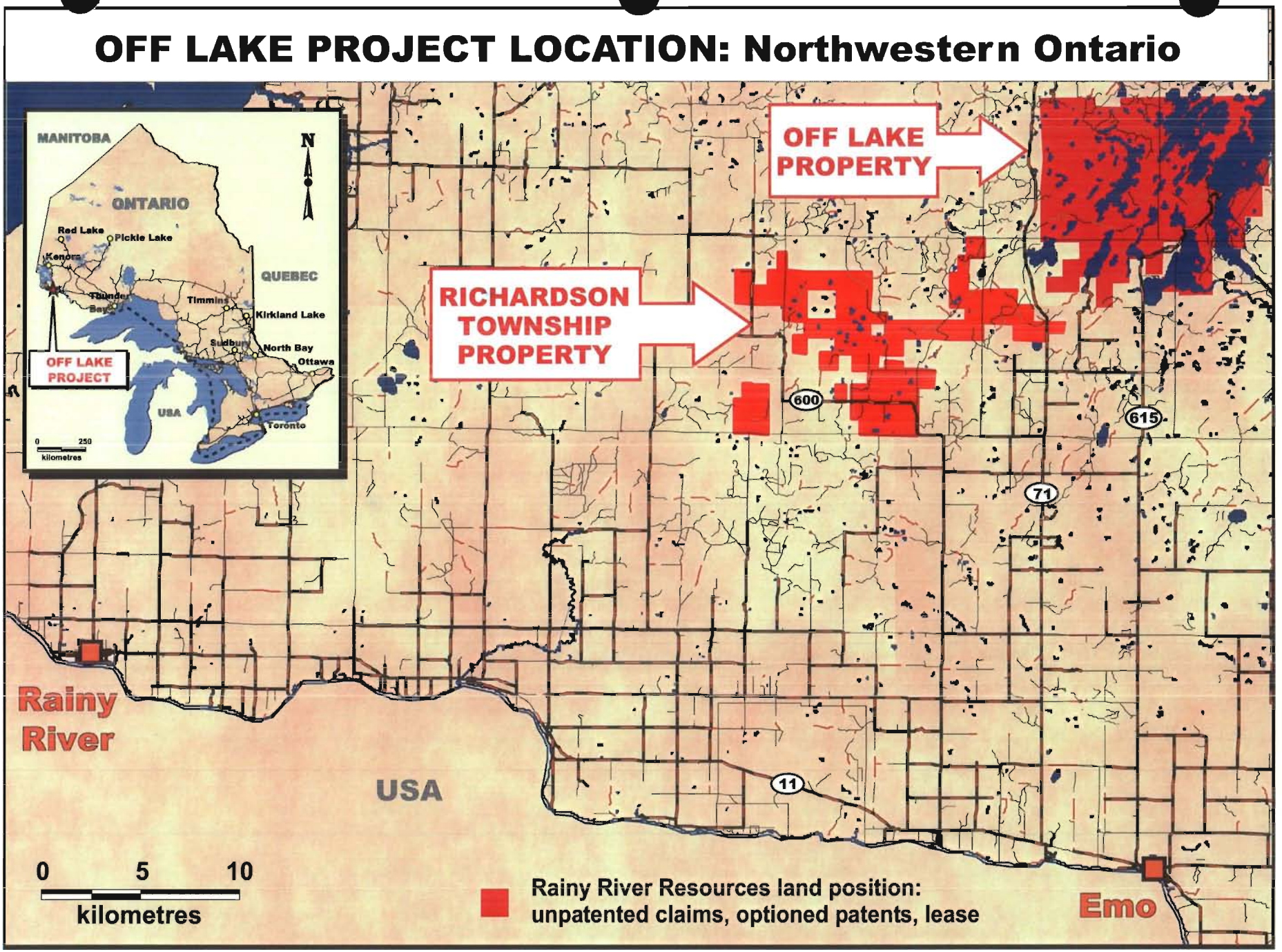


Figure 1 - Geographic location and extent of Rainy River Resources' Off Lake and Richardson Township properties. Modified from an original version courtesy of Karen Rees.

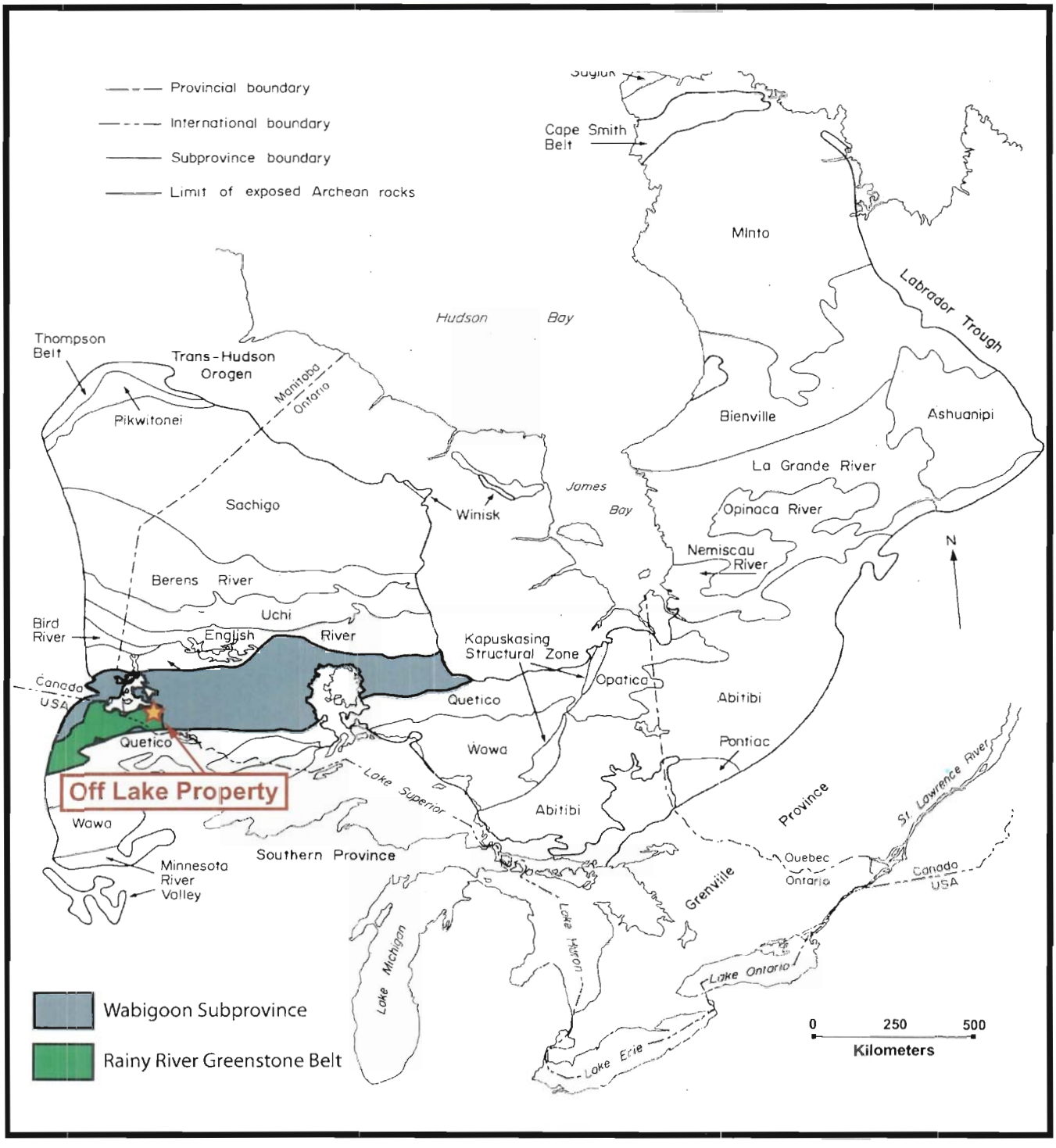
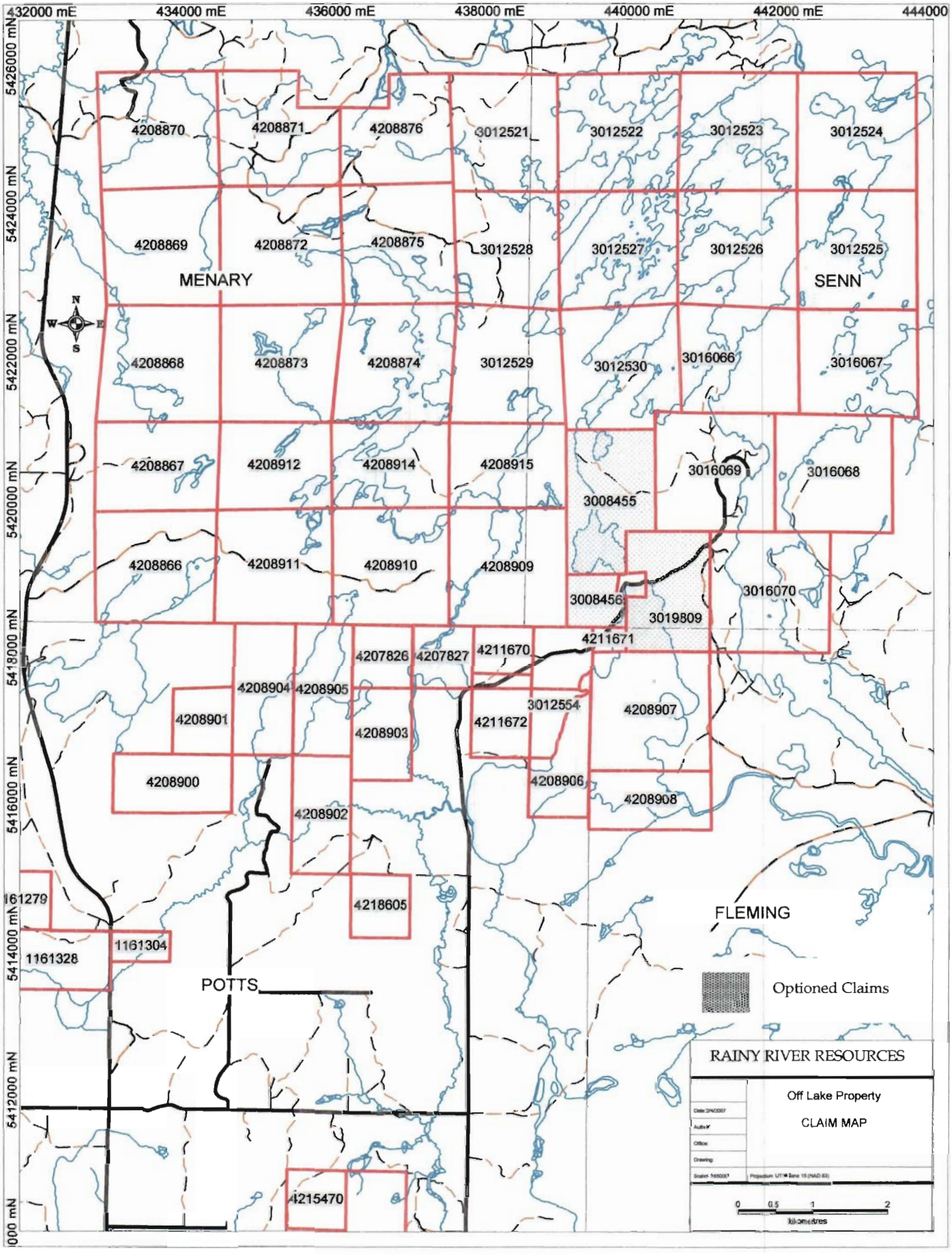


Figure 2 - Regional geological setting of the Off Lake property. Source: Blackburn et al., 1991.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4208908
4208902
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4218605
FLEMING
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1161328
POTTS
Optioned Claims
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RAINY RIVER RESOURCES
Off Lake Property
CLAIM MAP
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kilometres

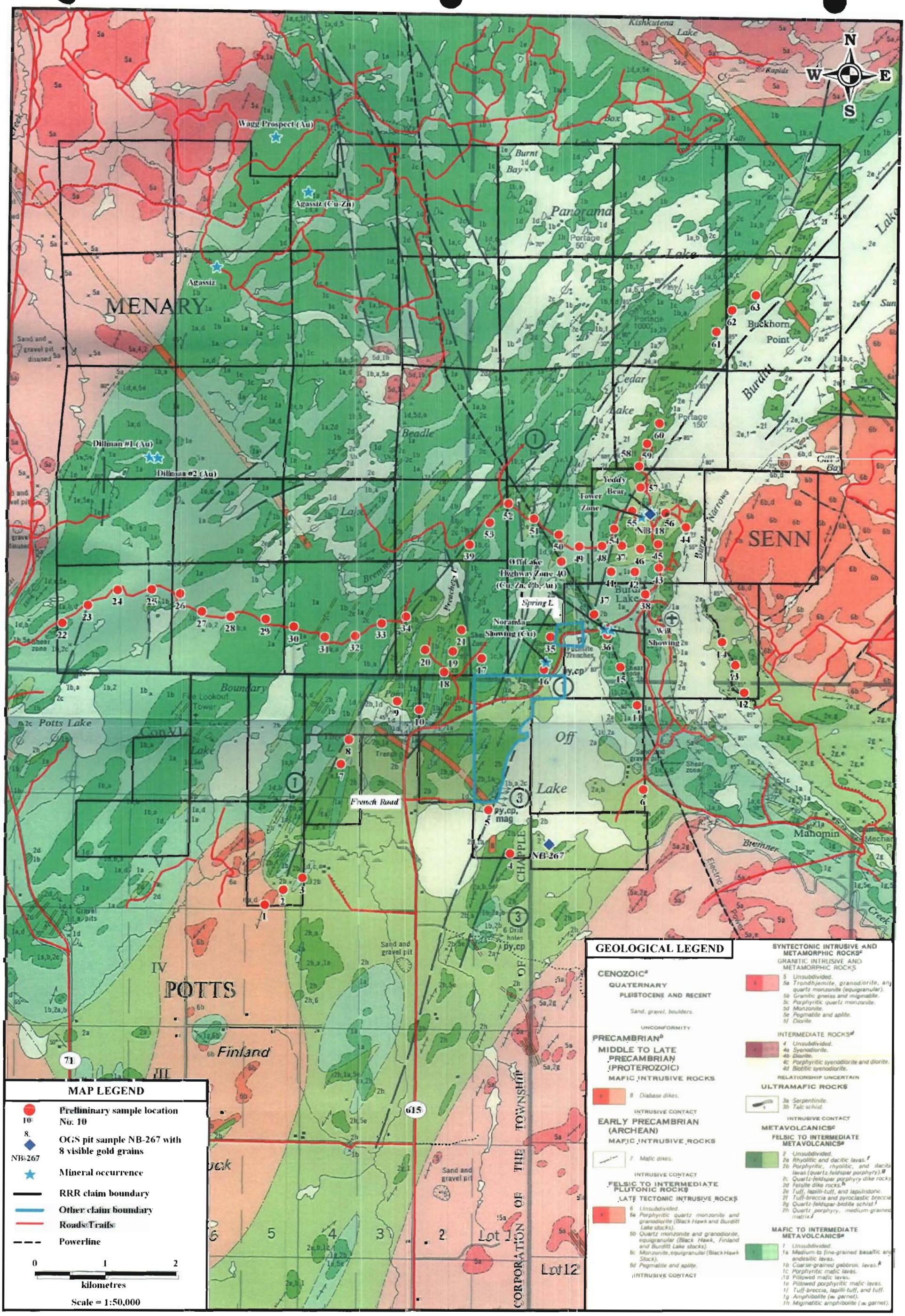


Figure 3 - Local geological setting of the Off Lake property with preliminary sample locations and mineral occurrences. Source: Blackburn, 1976.

rocks. In the southeast corner of the property both the mafic and felsic volcanics bend 90°, apparently due to cross folding, and continue 10 km southeast off the property to Manomin Lake where they have been metamorphosed to amphibolite grade.

The Archean basement was once overlain by poorly consolidated Jurassic and Cretaceous sandstone and shale but these sediments only locally survived Pleistocene glaciation. During glaciation the Rainy River area was subject to an early advance of the Labradorean ice sheet from the northeast producing a silty, sandy, stony, basement-derived, geochemically-responsive till. This advance was followed by a later glacial advance of Keewatin ice from the west through bottom sediments of glacial Lake Agassiz producing a thick, clayey, clast-poor, conductive, exploration-hindering till over much of the area. Grassroots exploration in the Richardson Township area was hampered by the presence of Keewatin Till and reverse-circulation drilling was required to reach the Labradorean Till which led to the discovery of the 17 Zone. Keewatin ice advance was, however, impeded by high ground to the northeast in the Off Lake area (Bajc, 1991; Fig. 4). Here, Labradorean Till is present at surface and although discontinuous, can easily be sampled in hand-dug pits.

Baker (2006) provides a thorough description of the exploration history for the Off Lake area which dates back to the 1930s. The early exploration programs resulted in the discovery and definition of three distinct styles of mineralization: (1) high-grade but very small lode gold deposits associated with quartz veining near the Sabaskong Batholith in the northwest portion of the claim block (*e.g.* Wagg Prospect, Agassiz Showings, and the Dillman Showings; Fig. 3); (2) low-grade Cu and Zn mineralized zones hosted within northeast-trending tuffaceous units in the central portion of the claim block; and (3) Au-rich volcanogenic massive sulphide (VMS) mineralization associated with the southeastern felsic volcanics (*e.g.* Stares Option - Off Lake Highway, Stares and Tower Zones, Will and Teddy Bear Showings; Fig. 3) having a precious - base metal association similar to the disseminated volcanogenic gold mineralization in Richardson Township but with a higher Ag:Au ratio as expected in a VMS environment (Jones, 1995).

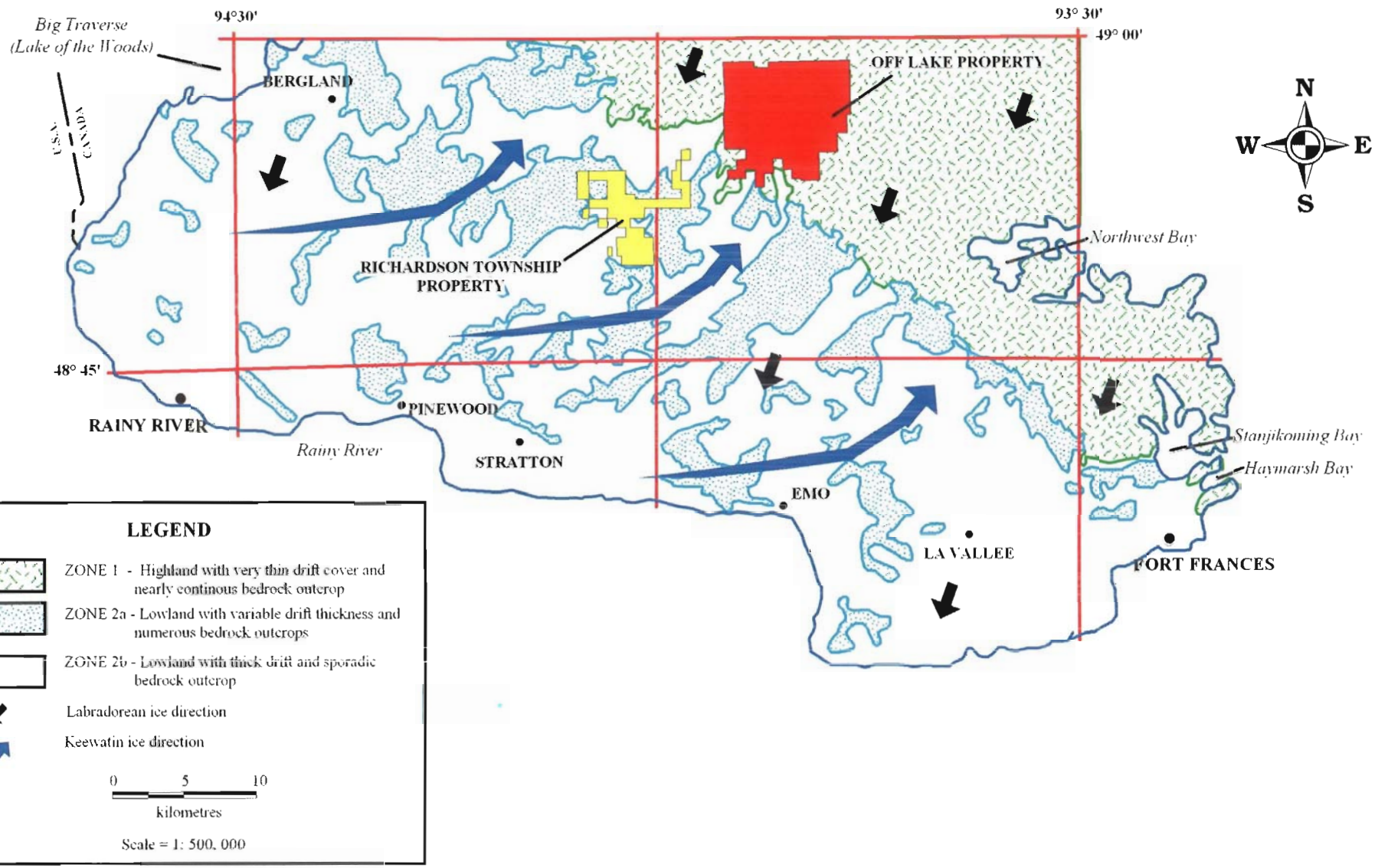


Figure 4 - Regional physiography and drift thickness map of the Rainy River area. Modified from Bajc, 1991.

The Ontario Geological Survey (OGS), between 1987 and 1990, undertook an extensive overburden sampling program in the Fort Frances - Rainy River area in an attempt to revitalize mineral exploration (Bajc, 1991). Approximately 600 till and glaciofluvial sand and gravel samples were obtained from sonic boreholes, backhoe trenches and hand-dug pits. Within the current limits of the Off Lake property 28 hand-dug pit samples were taken with only a few samples yielding higher than the background gold values of 0 to 1 grains. Two till samples, one from the southern shore of Off Lake (NB-267; Fig. 3) and the other from the western shore of Burditt Lake (NB-18; Fig. 3), yielded 8 and 10 gold grains respectively, most of which were either modified or pristine (Fig. 5) suggesting local derivation. These anomalies are very weak compared to those obtained by the OGS from sonic drill hole samples in Richardson Township (up to 70 grains); however, the mineralization there consists of gold with only minor base metal credits rather than base metals with subordinate gold as in the VMS occurrences at Off Lake. Moreover, detailed examination of the OGS data indicates significant variability in the sampling and suggests that the anomalies may be understated as more than 90 per cent of the OGS surface till samples were undersized with bulk weights in the range of 4 to 6 kg. The standard till sample size for gold exploration is ~10 kg (Averill, 2001). Therefore, the samples may not have provided an accurate representation of the gold response in the till.

2.2 Scope and Objectives of the Sampling Program

RRR's till sampling extended across the property but focused primarily on testing the felsic units to search for gold-rich VMS mineralization. Only one traverse was made across the mafic unit along the western portion of the property to test for vein-type lode gold mineralization.

Gold is subordinate to Cu-Zn-Pb mineralization in the known VMS occurrences at Off Lake (Table 1) but gold grains are the only component of the mineralization capable of surviving in weathered till and providing visual evidence of nearby VMS mineralization. An airborne Time Domain Electromagnetic (VTEM) survey conducted over parts of the property for RRR in March of 2006 produced no significant electromagnetic anomalies within the current survey area, indicating that if

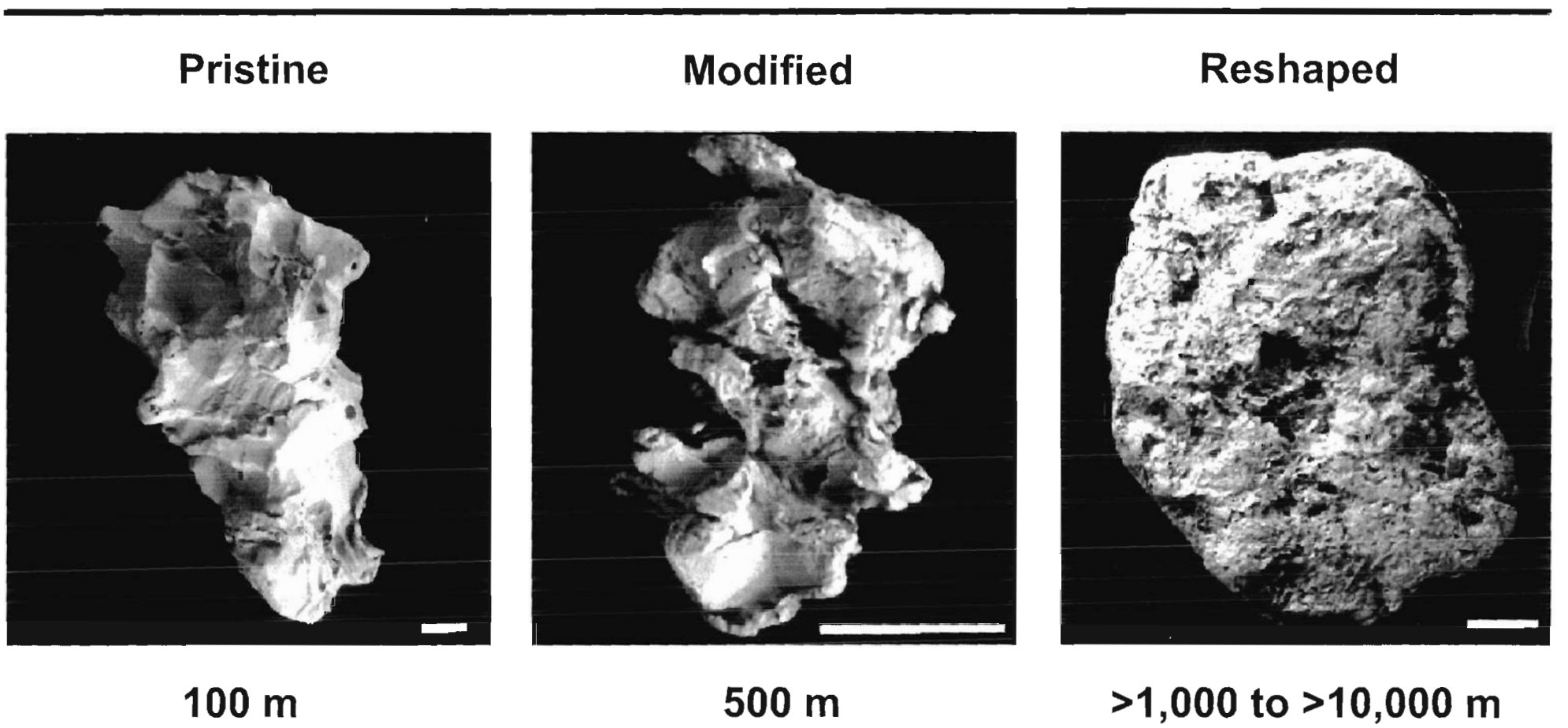


Figure 5 - Backscatter electron images of gold grains from till illustrating the relationship between grain wear and distance of transport. The wear processes are compressional (infolding and compaction) and do not reduce the mass of the gold grain. Scale bars = 50 um. Source: Averill, 2001.

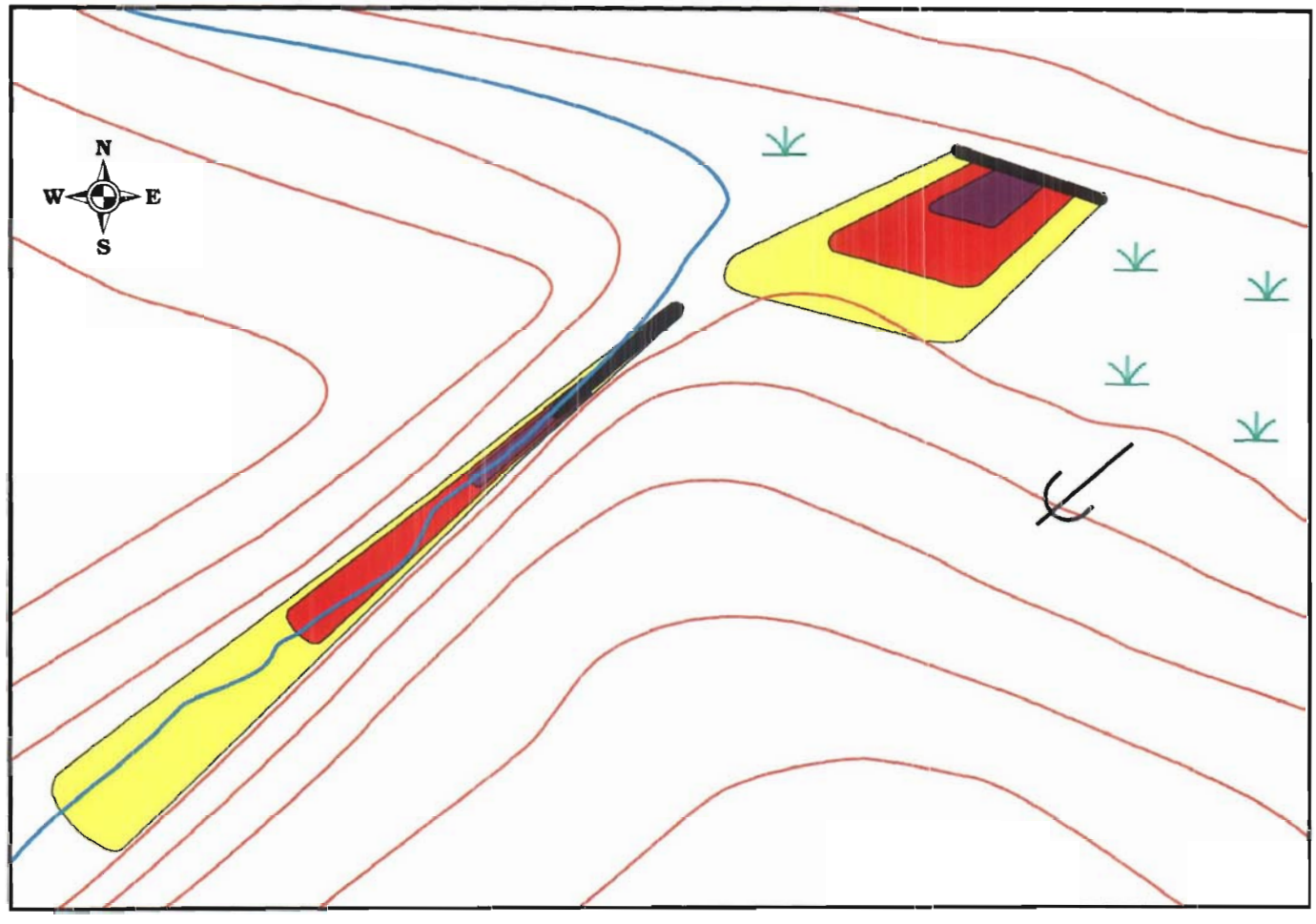
DDH NS95-01								
Sample Number	**From (m)**	**To (m)**	**Length (m)**	**Au (ppb)**	**Ag (ppm)**	**Pb (ppm)**	**Cu (ppm)**	**Zn (ppm)**
3669	36.58	38.10	1.52	5	0.6	10	42	425
3670	38.10	38.60	0.50	<5	0.4	24	4	540
3671	38.60	39.30	0.70	25	2.4	49	36	1010
3672	39.30	40.12	0.82	50	4.2	63	120	5700
3673	40.12	40.72	0.60	95	5.2	81	105	3100
3674	40.72	41.47	0.75	25	2.8	69	87	1700
3675	41.47	41.87	0.40	90	7.4	123	340	6100
3676	41.87	42.35	0.48	525	13.0	680	690	6100
3677	42.35	42.77	0.42	3940	21.8	3090	1530	24400
3678	42.77	44.29	1.52	40	2.2	35	152	610

Table 1 - Geochemical analyses of Nuinsco Resources Ltd. diamond drill core samples from Hole NS95-01 from the Stares Option near the northeast corner of Off Lake. Note the subordinate Au values as compared to Cu, Zn and Pb. Source: Jones, 1995.

any economic VMS deposits are present they are deeply buried and, at most, their low-grade distal fringes were exposed to glaciation. Therefore, any till-hosted gold anomalies related to VMS mineralization would be weak.

In general the geology strikes subparallel to southwest ice flow (~220°; Fig. 3). In this setting, till-hosted gold grain dispersal trains derived from economically significant gold deposits tend to be ribbon-shaped, typically 100 to 200 m wide and ~1 km long (Fig. 6). Shorter, apron-shaped trains (Fig. 6) would be expected in the southeast corner of the property where the key felsic volcanics bend sharply southeast perpendicular to ice flow. Since gold is not the main component of the VMS mineralization at Off Lake and no large zones of massive mineralization are exposed, gold grain dispersal trains in the till here would tend to be shorter than those associated with straight gold deposits. The sampling pattern chosen for the program was therefore a compromise, with a 300 x 300 m spacing in the most prospective areas, provided sufficient Labradorean Till was available, and a wider spacing elsewhere. For the program to be successful, samples of uniformly high quality were required. To ensure sample quality preliminary sample sites chosen in the office (Fig. 3) were adjusted in the field to obtain quality subglacial till. If optimal conditions could not be met then no sample was taken. The conditions are based upon fundamental principles of till formation as described below. In describing the till, the generic terms supraglacial and subglacial are used because they clearly convey whether the till accumulated on top of or below the ice and thus whether it is primarily of proximal or distal provenance, pristine or reworked and suitable or unsuitable for exploration sampling.

Ice sheets thin by meltdown during periods of global warming and ice fronts 'retreat' for the same reason while the ice itself is still moving forward. The underlying bedrock is continually eroded by two processes: (1) plucking along fractures which produces large blocks, especially of jointed granitic rocks, and (2) grinding which produces silty rock flour. Most of this debris accumulates in the lower few metres of the ice sheet (Fig. 7a) and is sufficiently concentrated that comminution continues through direct inter-particle contact during glacial transport. At the same time angular blocks, especially of massive, granitic rocks that resist further breakage, progressively become



LEGEND

Mineralized zone

Direction of ice flow

Anomalous Area	Analytical Fraction
	Raw Till
	Low grade conc. or conc. from small sample
	High grade conc. and visible gold grain info. from large sample

0 100 200 300 400 500

1:12 500

Figure 6 - Expected sizes and shapes of gold dispersal trains from cross-ice (southeast trending) and ice-parallel (southwest trending) gold zones.

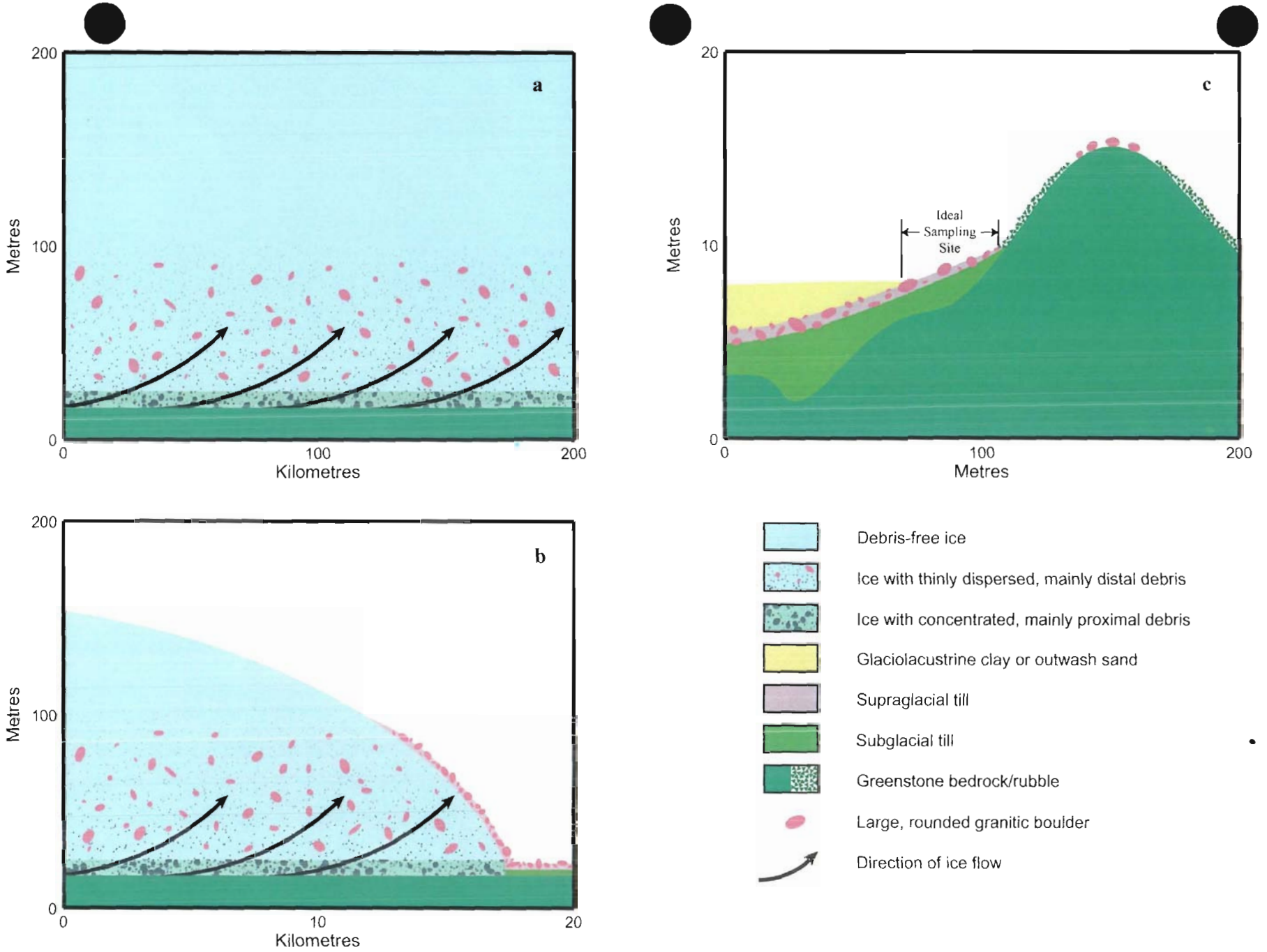


Figure 7 - Schematic sections showing: (a) pre-meltdown generation; (b) syn-meltdown deposition; and (c) post-meltdown modification of supraglacial and subglacial till over a greenstone belt. Note the difference in scale between sections.

rounded. However ice flow is laminated, with the upper layers advancing over and imbricating slightly upward from the bottom layers such that any debris escaping from the basal zone becomes thinly dispersed upward for tens of metres where it can be transported long distances with no further comminution. Once the ice thins to this level through meltdown, exposing the distal debris, this debris begins to accumulate on the ice surface where its fine matrix is susceptible to winnowing by meltwater. Eventually, when ice meltdown is complete, the coarse residue or lag from the distal debris is deposited as supraglacial till directly upon undisturbed subglacial till of more proximal provenance (Fig. 7b). The underlying subglacial till is typically 0.5 to 3 m thick with the thickest sections occurring in bedrock depressions. Sections exceeding 5 m are generally restricted to regions where the till was derived from soft, easily eroded substrate, as in a young sedimentary basin or large meltwater lake, and was molded into drumlins.

Although armoured by bouldery supraglacial till, the subglacial till is susceptible to erosion until a protective forest cover is established. Over greenstone belts not flooded by glacial lakes, most bedrock highs eventually become rock outcrops topped by only a few large, perched lag boulders, mainly of rounded, distal granite from the supraglacial till (Fig. 7c). Minor hollows in the outcrops and any steep slopes adjoining these outcrops become mantled by stony, angular rubble which is partly lag from eroded subglacial till but mostly bedrock dislodged by frost action. Texturally this rubble is matrix deficient and compositionally it reflects only the immediate subadjacent bedrock rather than that for a significant distance up-ice. It is therefore unsuitable for exploration sampling. Further downhill where the slope moderates, the distal granitic boulders tend to be partly submerged rather than perched, indicating that the supraglacial till has not been totally eroded and the underlying subglacial till layer is fully intact. Large supraglacial till boulders normally settle ~ 0.1 m into the compact, 0.5 to 3 m thick subglacial till. Therefore a scattering of 1 m granitic boulders with 0.4 m exposed and 0.6 m submerged will normally signify the presence underfoot of up to 0.5 m of supraglacial till and at least 0.5 m of subglacial till - conditions ideal for sampling with a 1 m deep shovel pit. Further downhill on the edge of adjoining flats, both the supraglacial and subglacial till are normally well preserved but may be completely covered by sand and silt winnowed from the

upslope till or by glaciofluvial outwash sand if an esker occurs nearby or glaciolacustrine clays if the flats were flooded by a glacial lake. This sand or clay cover will be apparent from a complete absence of exposed granitic boulders.

3. METHODS AND COSTS

3.1 Contractors

RRR contracted ODM to plan and conduct the till sampling program. A 60-sample program was developed at a budgeted cost of approximately $33,800 (Table 2) on the assumption that six till samples would be collected per day in addition to some boulder and rock outcrop samples. ODM's field geologist was David Hozjan; he was assisted by W. Averill, of RRR. RRR's field office in Emo was used as the base of operations.

Rémy Huneault supervised ODM's sample processing in Nepean, and David Hozjan interpreted the data and prepared the report with assistance from Stuart Averill. Actlabs Limited of Ancaster, Ontario, performed geochemical analyses on selected till fractions.

3.2 Field Procedures

Preliminary till sample locations were selected using a combination of stereo airphotos and topographic and geological maps. On Blackburn's 1976 geological map of the area, which was used as a base for plotting the sample sites in Figure 3, the lake immediately NNW of Off Lake is named Preachers Lake and the lake ~0.8 km west of it is unnamed. On the topographic maps however, Blackburn's Preachers Lake is named Spring Lake and his unnamed lake is referred to as Preachers Lake. References to lake names in this report are based on those given on the topographic maps; therefore the names on Figure 3 have been changed. Final sample locations (Fig. 8) were adjusted in the field to ensure that high-quality subglacial till was sampled. The geographic coordinates of

			Total Costs			
			Budget		Actual	
	Service	Company	$Total	$/sample	$Total	$/sample
1.	Pre-field planning,sample layout	ODM	2000.00	33.33	3217.73	54.54
2.	Field sampling, travel	ODM	8920.00	148.67	5229.69	88.64
3.	Sample/equipment shipping	Manitoulin Transport	990.00	16.50	1169.41	19.82
4.	Sample processing	ODM	6924.00	115.40	4697.25	79.61
5.	Analytical	Actlabs	2057.50	34.29	2745.50	46.53
6.	Report	ODM	11000.00	183.33	10855.00	183.98
	TOTALS		31891.50	531.53	27914.58	473.13
	GST		1913.49	24.53	1674.87	28.39
	GRAND TOTALS		33804.99	433.40	29589.45	501.52

Table 2 - Comparison of budgeted and actual project cost.

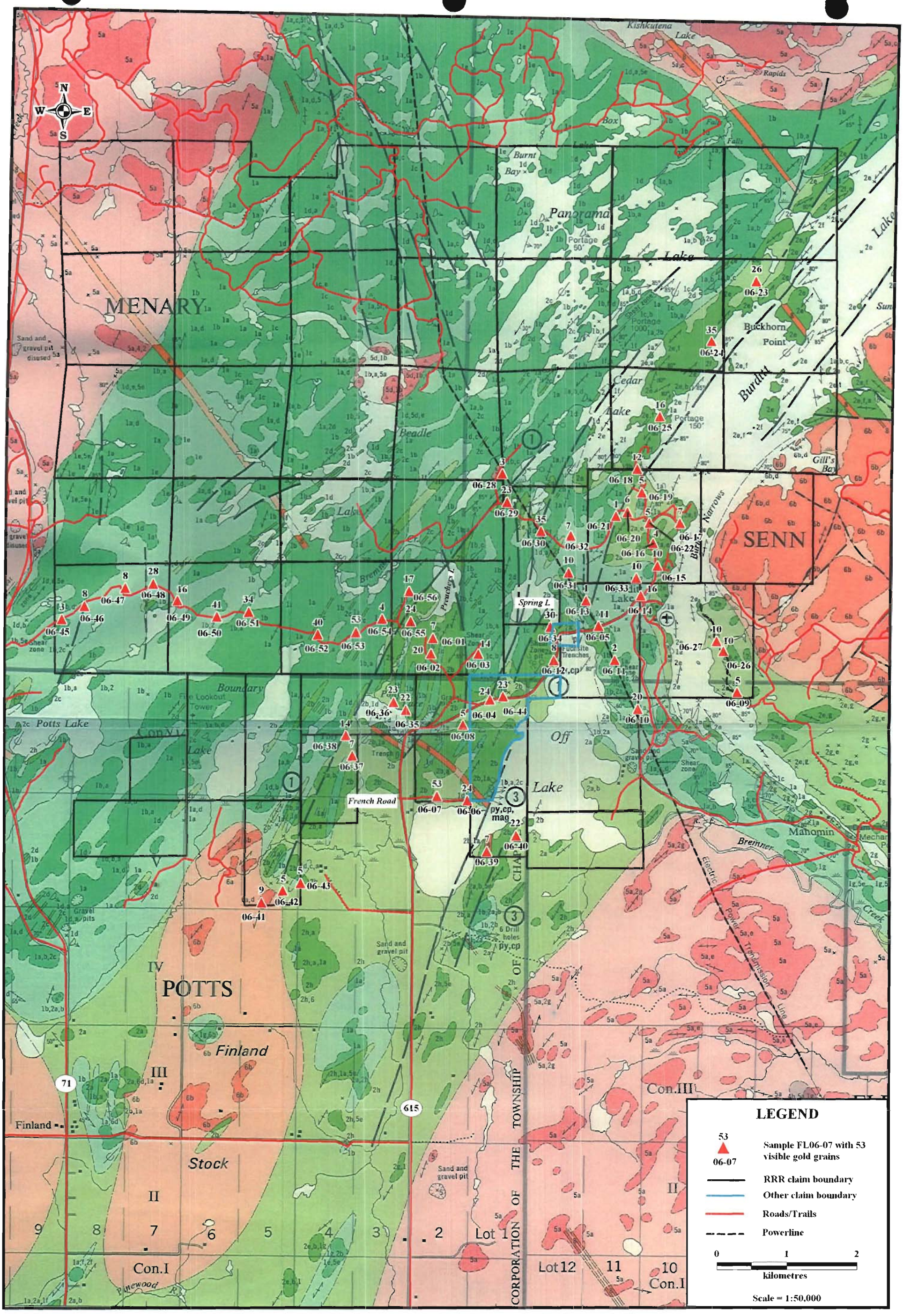


Figure 8 - Actual till sample locations with gold grain counts.

the sample sites were measured by GPS (Table 3). Sample pits were dug using a hand shovel and grubhoe to an average depth of 0.9 m to reach the essentially unoxidized C-horizon of the subglacial till. The till was screened at 6 mm to remove most of the large clasts and produce approximately 10 kg of -6 mm matrix. The matrix material was packed into 30 x 50 cm plastic sample bags along with a 1 kg representative sample of +6 mm clasts. The sample bags were sealed using plastic cable ties and placed into 20 litre plastic shipping pails. The pits were filled in to the original ground level after sampling.

The samples were prefixed FL06 (for Off Lake property, 2006) and were numbered consecutively from 01 in the sequence collected. In total 59 till samples were taken, including 3 duplicate samples for quality control purposes. Sixteen samples were obtained from road cuts with exposed till (Plate 1) and did not require pits. Two samples, Nos. 04 and 44, were accidentally taken on patented land not held by RRR. The sealed shipping pails were transported from Fort Frances to ODM's Nepean laboratory by Manitoulin Transport.

3.3 Sample Processing and Gold Grain Observation Procedures

The till samples were processed using the procedures shown in Figure 9. These procedures are designed to progressively reduce the bulk sample and expose the gold grains, which are mainly silt-sized. Prior to processing, two 400 g character splits were taken from each till sample: one for archiving and one for sieving to produce a -0.063 mm fraction for geochemical analysis. The remaining bulk samples were wet screened at 2.0 mm with the +2.0 mm clasts stored (Appendix B). The -2.0 mm till matrix was concentrated with a shaking table. Geological observations on the character of the sample were made during both the screening and tabling operations (Appendix C). The gold grains extracted during tabling and subsequent micropanning of 24 samples (mainly those with ten or more gold grains) were counted, measured and classified according to their degree of wear (*i.e.* distance of glacial transport; Fig. 5) and gold assay values for the concentrate were calculated from the grains (Table 4, Appendix C). The gold grains were then returned to the table concentrates which were then dried and stored.

Sample Site	Easting	Northing	Depth (m)	Type	Bedrock Reached
FL06-01	437896	5418758	1.0	Shovel	Yes
FL06-02	437867	5418540	0.9	Shovel	No
FL06-03	438537	5418532	1.8	Road Cut	No
FL06-04	438691	5417824	1.1	Road Cut	No
FL06-05	440256	5418882	0.9	Road Cut	Yes
FL06-06	438363	5416454	1.6	Road Cut	No
FL06-07	437937	5416519	0.8	Shovel	No
FL06-08	438315	5417526	0.8	Shovel	No
FL06-09	442198	5417957	1.0	Shovel	No
FL06-10	440790	5417728	0.7	Shovel	No
FL06-11	440467	5418428	0.9	Shovel	No
FL06-12	439669	5418385	1.5	Road Cut	No
FL06-13	440061	5419275	0.7	Shovel	No
FL06-14	440837	5419344	0.7	Shovel	No
FL06-15	441074	5419764	0.7	Shovel	No
FL06-16	441016	5420093	0.7	Shovel	No
FL06-17	441395	5420373	0.7	Shovel	No
FL06-18	440792	5421140	1.5	Road Cut	No
FL06-19	440854	5420807	0.6	Shovel	Yes
FL06-20	440650	5420530	0.7	Road Cut	No
FL06-21	440490	5420475	0.7	Shovel	No
FL06-22	440965	5420380	1.0	Road Cut	No
FL06-23	442466	5423820	0.6	Shovel	Yes
FL06-24	441837	5422965	0.6	Shovel	No
FL06-25	441110	5421892	0.5	Shovel	Yes
FL06-26	442006	5418545	0.5	Shovel	Yes
FL06-27	441909	5418685	0.6	Shovel	No
FL06-28	438882	5421073	1.0	Road Cut	No
FL06-29	438947	5420673	0.8	Shovel	No
FL06-30	439425	5420263	0.5	Shovel	Yes
FL06-31	439817	5419670	0.5	Shovel	No
FL06-32	439849	5420198	0.7	Shovel	No
FL06-33	440778	5419593	0.5	Shovel	No
FL06-34	439558	5418904	0.6	Shovel	No
FL06-35	437506	5417747	0.8	Shovel	Yes
FL06-36	437337	5417858	0.8	Shovel	No
FL06-37	436752	5417102	0.6	Shovel	Yes
FL06-38	436659	5417394	0.5	Shovel	No
FL06-39	438631	5415738	0.8	Shovel	No
FL06-40	439051	5415956	1.0	Shovel	No
FL06-41	435454	5415046	0.6	Shovel	No
FL06-42	435754	5415208	0.6	Shovel	No
FL06-43	436004	5415314	0.7	Shovel	Yes
FL06-44	438880	5417870	3.7	Road Cut	No
FL06-45	432677	5419057	1.5	Road Cut	No
FL06-46	432996	5419236	1.5	Road Cut	Yes
FL06-47	433575	5419480	0.8	Shovel	No
FL06-48	433970	5419538	0.8	Shovel	Yes
FL06-49	434309	5419303	1.0	Road Cut	No
FL06-50	434865	5419074	0.7	Shovel	No
FL06-51	435307	5419140	0.7	Road Cut	No
FL06-52	436274	5418822	1.0	Shovel	No
FL06-53	436813	5418845	0.7	Shovel	No
FL06-54	437185	5419036	0.7	Road Cut	Yes
FL06-55	437586	5418999	1.2	Road Cut	No
FL06-56	437564	5419417	0.6	Shovel	Yes

Table 3 - Pit sample data.

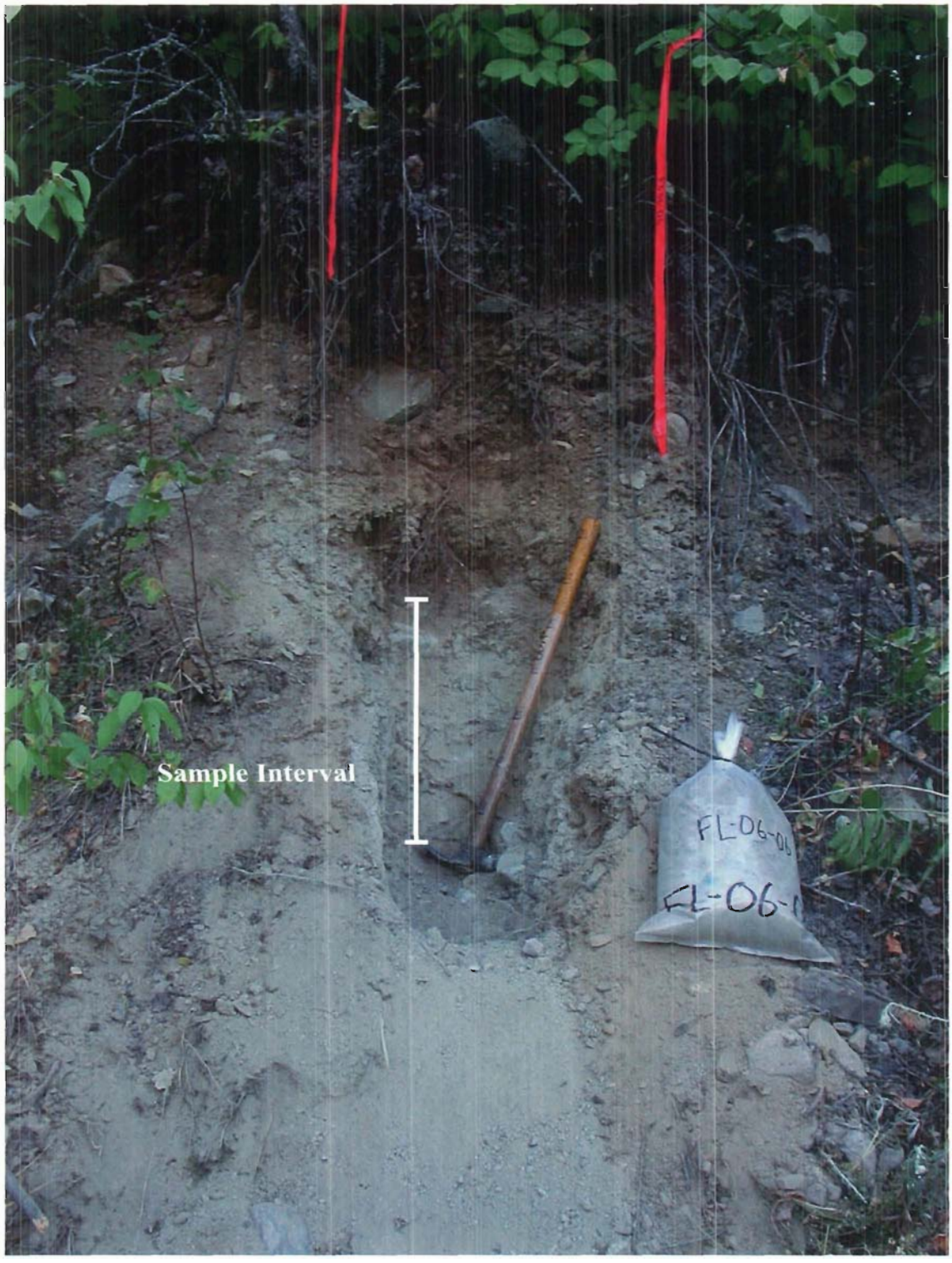


Plate 1 - Typical sample taken from a road cut till exposure. Note the grey, essentially unoxidized nature of the subglacial till and the angular, locally derived greenstone clasts.

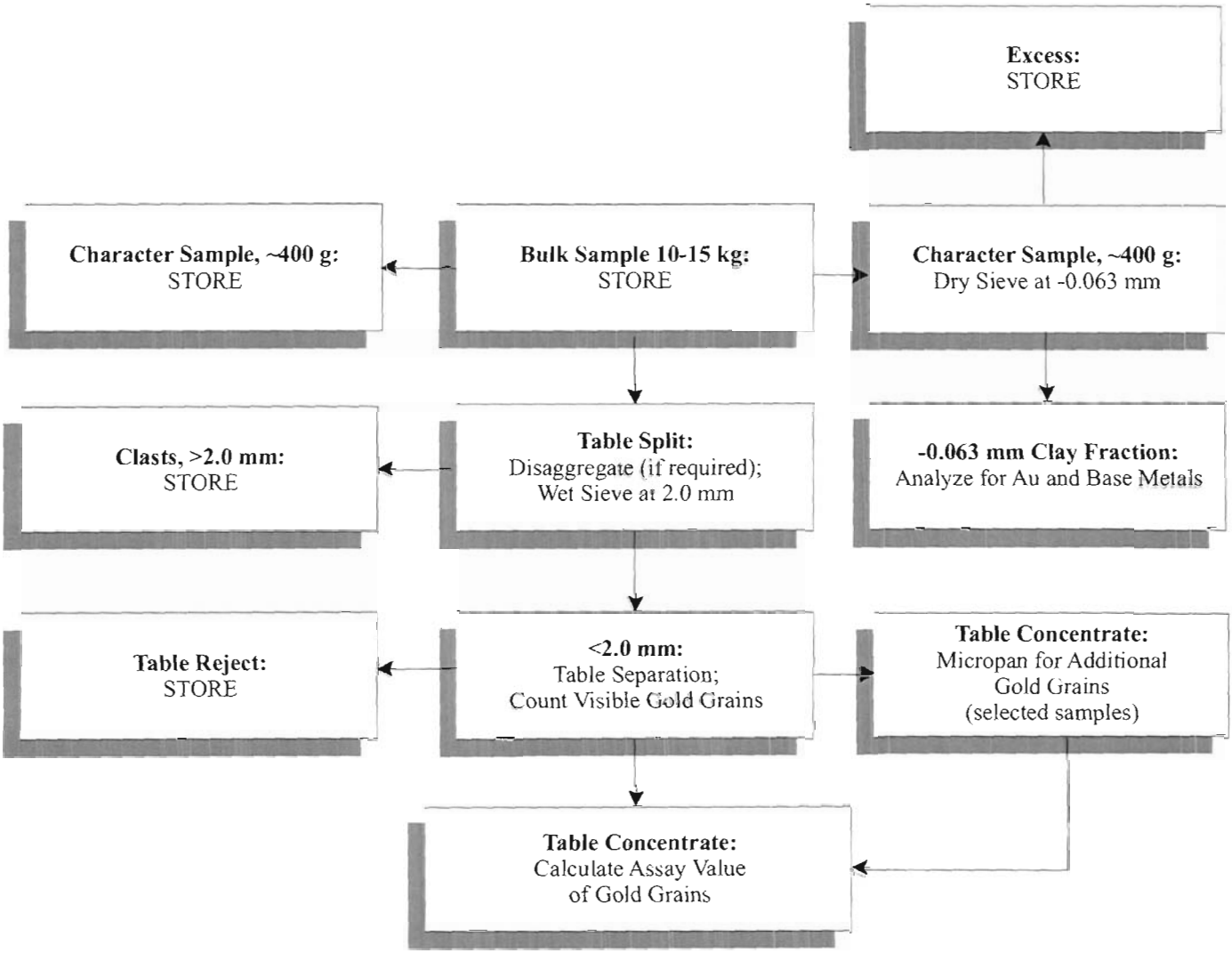


Figure 9 - Heavy mineral processing flowsheet for the till samples.

Sample Number	Number of Visible Gold Grains				Nonmag HMC Weight (g)	Calculated PPB Visible Gold in HMC			
	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
FL-06-01	7	2	3	2	28.8	13	8	2	4
FL-06-02	20	3	9	8	38.4	137	108	17	12
FL-06-03	14	3	1	10	22	41	34	<1	7
FL-06-04	24	11	3	10	30.8	76	65	2	10
FL-06-05	11	5	2	4	36.4	481	467	3	12
FL-06-06	24	5	2	17	33.2	43	17	1	25
FL-06-07	53	15	23	15	27.6	435	198	202	35
FL-06-08	5	1	1	3	28.8	9	7	<1	2
FL-06-09	5	4	0	1	33.6	1150	1147	0	2
FL-06-10	20	15	4	1	37.2	106	95	6	5
FL-06-11	2	2	0	0	36.8	6	6	0	0
FL-06-12	8	5	3	0	28.8	15	8	7	0
FL-06-13	1	0	0	1	28.4	<1	0	0	<1
FL-06-14	16	13	3	0	31.2	36	33	3	0
Duplicate of No. 14	11	9	1	1	33.2	38	27	<1	11
FL-06-15	10	7	3	0	32.8	140	139	1	0
FL-06-16	4	3	1	0	36.4	1	1	<1	0
FL-06-17	7	5	2	0	31.6	5	2	3	0
FL-06-18	12	6	6	0	36.08	3	2	1	0
FL-06-19	5	0	3	2	29.2	10	0	6	4
FL-06-20	6	4	1	1	27.2	10	10	<1	<1
FL-06-21	1	1	0	0	32.8	1	1	0	0
FL-06-22	5	2	1	2	32.4	7	2	1	5
FL-06-23	26	13	5	8	30	639	622	10	8
FL-06-24	35	31	2	2	30.8	718	716	2	1
FL-06-25	16	8	8	0	31.6	35	32	3	0
FL-06-26	10	10	0	0	35.2	11	11	0	0
FL-06-27	10	5	0	5	28.4	26	19	0	7
FL-06-28	3	1	0	2	29.6	43	34	0	9
FL-06-29	23	6	5	12	37.2	86	47	9	29
FL-06-30	35	16	5	14	32.8	444	209	82	153
FL-06-31	10	7	1	2	33.2	90	83	6	1
FL-06-32	7	6	1	0	22	276	275	1	0
FL-06-33	10	3	4	3	41.6	47	23	22	3
FL-06-34	30	10	7	13	36	157	103	23	30
FL-06-35	22	3	1	18	45.6	61	39	1	22
FL-06-36	23	10	4	9	40.8	112	98	7	7
FL-06-37	7	2	2	3	34.8	755	741	11	4
FL-06-38	14	7	3	4	38	17	14	1	1
FL-06-39	7	4	1	2	35.6	77	7	10	59
FL-06-40	22	10	6	6	41.6	234	116	100	18
FL-06-41	9	4	2	3	40.4	29	12	5	12
FL-06-42	5	3	0	2	40	38	37	0	1
FL-06-43	5	1	0	4	23.6	15	3	0	11
FL-06-44	23	3	1	19	32.8	129	45	1	83
Duplicate of No. 44	38	12	11	15	32.8	524	256	21	247
FL-06-45	3	1	0	2	37.6	1	1	0	<1
FL-06-46	8	1	4	3	42.8	23	4	11	7
FL-06-47	8	5	1	2	39.2	24	22	1	1
FL-06-48	28	10	6	12	37.6	117	77	21	19
FL-06-49	16	11	4	1	39.2	39	26	12	1
FL-06-50	41	26	12	3	32.8	237	85	38	115
FL-06-51	34	4	14	16	40.4	352	7	15	330
FL-06-52	40	16	7	17	40.8	100	64	16	19
FL-06-53	53	28	10	15	38.4	102	79	15	8
FL-06-54	4	3	1	0	37.6	3	3	<1	0
FL-06-55	24	6	8	10	36	89	50	16	23
FL-06-56	17	10	4	3	35.2	124	114	9	1
Duplicate of No. 56	35	6	13	16	33.2	49	19	16	14

Table 4 - Gold grain summary for the till samples with calculated visible gold assay values based on assumed nonmagnetic HMC weights of 1/250 of the table feed.

ODM

3.4 Analytical Procedures

For each till sample 20 to 30 g of -0.063 mm clay + silt was sieved from one unprocessed subsample and was analyzed by the instrumental neutron activation (INA) method primarily for Au and As (most other elements included in this analytical package are imprecisely measured) and a 5 g split was analyzed by inductively coupled plasma mass spectrometry (ICP-MS) primarily for more precise Ag, Cu, Zn, Pb and Ni values (Appendix D).

3.5 Quality Assurance and Quality Control Measures

Three duplicate till samples were taken and inserted and processed in order to test ODM's gold grain recovery and Actlab's analytical precision and detection limits. These duplicate samples, labelled 57, 58 and 59, were taken from sample sites 14, 44 and 56, respectively. The sample material was screened into a pail and then the screened material was scooped alternately into two bags. One bag was labelled with the proper sample number and the other was temporarily labelled Duplicate 1, 2 and 3 in the order that they were taken. The final sample numbers for the duplicates were permanently labelled at the end of the program. The correlation between duplicates and original samples was not disclosed to ODM's processing staff. In addition, three -0.063 mm splits of a natural, ODM till standard labelled 01B, 25B and 51B were used to test Actlab's analytical precision. The standard is weakly anomalous in Au and base metals..

4. RESULTS

4.1 Overburden Conditions

As predicted, although much of the surface of the Off Lake property consists of bedrock outcrops, till is well-exposed between outcrops resulting in a successful sampling program. The presence or absence of large, rounded granitic, boulders in the upper subglacial till was used to quickly and reliably evaluate whether significant underlying subglacial till would be present (Fig. 7).

Of the 63 proposed sample locations (Fig. 3), 12 sites were abandoned because no till was present within approximately 100 m. Proposed sites 19 and 21 south of Preachers Lake and sites 59 and 62 along the northwest shore of Burditt Lake were in areas of rugged bedrock exposure with no overburden or only a thin veneer of rubble overlying bedrock. Proposed sites 27, 30, 41, 46 and 47 were in areas underlain by sand and gravel and sites 6, 39 and 53 in areas underlain by well-sorted, fine- to medium-grained sand. These glaciofluvial sediments are associated with the Rainy Lake - Lake of the Woods Moraine which locally traverses Rowe, Menary, Potts and Fleming Townships. To partly compensate for the abandoned sites, five unplanned samples were collected during the course of the program.

4.2 Gold Grain Abundance

Visible gold grains were recovered from all 56 samples and all 3 duplicate samples (Table 4; Appendix C). Gold grain abundance ranges from 1 to 53 grains per sample. The property background level gold grain counts are in the range of 1 to 10 grains (50^{th} percentile and lower). This background is significantly higher than the 0 to 1 grains of the OGS survey (Bajc, 1991), reflecting the better quality and uniformly larger size of RRR's samples. Nineten samples yielded >20 gold grains. If the targets were gold alone these values would all be considered weak since the best response is only 53 grains but for the gold component of VMS mineralization they could represent very significant anomalies. Most of the gold grains are silt-sized (<0.063 mm wide) and 33 percent are pristine.

Calculated visible gold assays based on a 250:1 concentration factor for the samples (Table 4) range from <1 to 1150 ppb. Using the well-established rule that heavy mineral gold assays roughly match the gold grade of the bedrock source mineralization (Sauerbrei *et al.*, 1987), even the strongest anomalies are weak. Furthermore, at least three are due to the nugget effect or due to an abnormally high concentration of far-traveled, reshaped grains. The 1150 ppb value, from Sample 09 which yielded only 5 gold grains, is clearly the result of one 100 x 200 x 250 micron reshaped nugget (Appendix C). The two next most anomalous assays, 755 and 718 ppb from Samples 37 and 24

respectively, can also be discounted. Sample 37 yielded only 7 gold grains whereas Sample 24 yielded 35 grains. The anomalous assay in Sample 37 is primarily the result of one reshaped (75 x 175 x 250 micron) nugget and the Sample 24 anomaly is the result of 31 reshaped gold grains including one 100 x150 x 175 micron nugget.

Comparison of gold grain recoveries from original and duplicate samples shows moderate variability (Fig. 10) reflecting heterogeneous gold grain distribution within the till.

4.3 -0.063 mm Analyses

The geochemical analyses obtained from the -0.063 mm fraction (Table 5; Appendix D) of the raw till were intended to identify any associations between gold and other elements on a broad scale because such analyses are too insensitive to detect a mineralized zone directly unless a sample is serendipitously collected less than 100 m from the mineralization (Fig. 6). The gold analyses are generally low (<2 ppb) with occasional spikes probably resulting from the random presence of a gold grain in the relatively small (20 to 30 g) analyzed subsample. Sample 48 returned the highest assay of only 33 ppb Au but its heavy mineral fraction contained 28 gold grains, 12 of which were pristine. Arsenic values are uniformly low across the entire survey, ranging from 0.8 to 7.7 ppm. No apparent correlation exists between elevated Au and As assays. Silver values occur at or below the detection limit (*i.e.* <0.2 ppm). Sample 05, collected from till on the Stares Option northeast of the north end of Off Lake on the north side of Provincial Road 615 beneath the main hydro line and overlying bedrock anomalous in Au, Ag, Zn, Cd, Pb and Cu (Baker, 2006) is strongly anomalous in Zn (768 ppm) and significantly anomalous in Pb (35 ppm) compared to other samples. Copper, at 23 ppm, is above the detection limit but within the background range for the property, and Au, Ag, and Cd results are at or near detection limits.

Actlabs' geochemical analyses for both the duplicate samples and the ODM till standard (Table 6; Fig. 11) show slight but acceptable deviation in Au values with consistent reproducibility in the key base metals giving a high degree of confidence to the results.

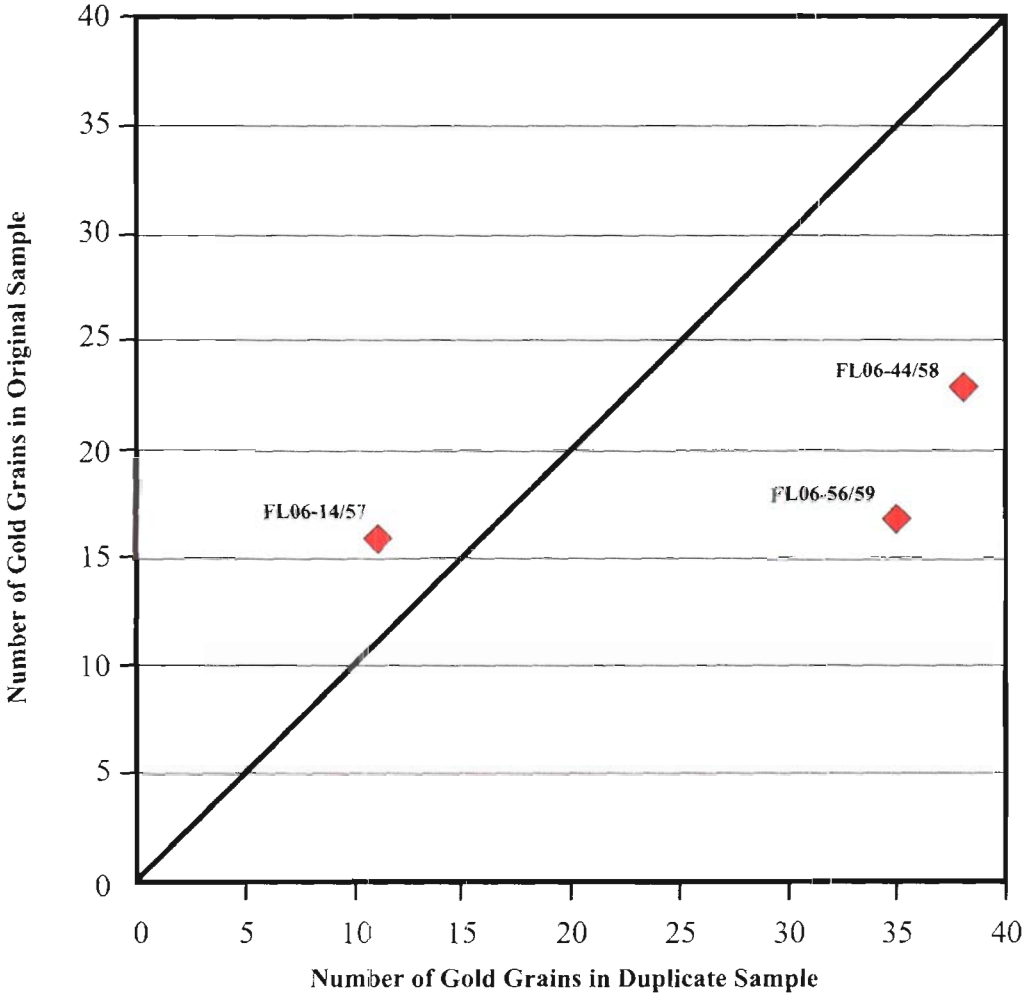


Figure 10 - Comparison of gold grain recovery from original and duplicate samples.

Element	Au	Ag	Cu	Pb	Zn	Cd	Mn
Units	ppb	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	0.2	1	2	1	0.5	2
Analysis Method	INA	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
Sample Number							
FL06-01	< 2	< 0.2	17	9	72	< 0.5	525
FL06-01B	< 2	0.2	114	19	187	< 0.5	432
FL06-02	3	< 0.2	52	7	67	< 0.5	452
FL06-03	9	0.3	149	12	153	< 0.5	1740
FL06-04	12	< 0.2	91	9	89	< 0.5	642
FL06-05	< 2	0.4	23	35	768	0.5	430
FL06-06	9	< 0.2	153	7	57	< 0.5	328
FL06-07	16	< 0.2	42	10	101	< 0.5	460
FL06-08	< 2	< 0.2	33	9	85	< 0.5	386
FL06-09	7	0.2	34	5	68	< 0.5	295
FL06-10	< 2	0.3	15	5	53	< 0.5	192
FL06-11	< 2	< 0.2	13	8	98	< 0.5	257
FL06-12	24	0.3	416	11	86	< 0.5	316
FL06-13	< 2	< 0.2	35	9	85	< 0.5	267
FL06-14	4	< 0.2	8	5	55	< 0.5	247
Duplicate of No.14	< 2	< 0.2	12	6	61	< 0.5	320
FL06-15	< 2	< 0.2	24	7	67	< 0.5	454
FL06-16	< 2	< 0.2	12	6	64	< 0.5	416
FL06-17	4	< 0.2	8	5	75	< 0.5	264
FL06-18	8	0.2	19	4	41	< 0.5	248
FL06-19	6	< 0.2	9	6	64	< 0.5	290
FL06-20	11	0.2	112	10	101	< 0.5	986
FL06-21	7	< 0.2	15	7	54	< 0.5	269
FL06-22	4	< 0.2	59	6	101	< 0.5	292
FL06-23	< 2	< 0.2	4	7	31	< 0.5	121
FL06-24	5	< 0.2	12	6	51	< 0.5	238
FL06-25	4	< 0.2	9	7	38	< 0.5	203
FL06-25B	4	0.2	99	18	162	< 0.5	350
FL06-26	7	< 0.2	8	5	69	< 0.5	482
FL06-27	6	< 0.2	16	5	84	< 0.5	411
FL06-28	12	< 0.2	35	5	67	< 0.5	323
FL06-29	< 2	< 0.2	11	7	62	< 0.5	242
FL06-30	5	< 0.2	9	6	35	< 0.5	295
FL06-31	< 2	< 0.2	7	6	36	< 0.5	289
FL06-32	< 2	< 0.2	13	7	89	< 0.5	330
FL06-33	3	< 0.2	5	7	55	< 0.5	275
FL06-34	< 2	< 0.2	16	4	51	< 0.5	205
FL06-35	5	< 0.2	12	5	64	< 0.5	417
FL06-36	< 2	< 0.2	15	7	61	< 0.5	325
FL06-37	7	< 0.2	9	5	58	< 0.5	266
FL06-38	8	< 0.2	12	10	57	< 0.5	373
FL06-39	< 2	< 0.2	27	7	69	< 0.5	270
FL06-40	< 2	< 0.2	12	6	54	< 0.5	236
FL06-41	< 2	< 0.2	15	8	40	< 0.5	250
FL06-42	< 2	< 0.2	9	5	22	< 0.5	96
FL06-43	9	< 0.2	114	12	63	< 0.5	133
FL06-44	14	< 0.2	43	14	72	< 0.5	770
Duplicate of No. 44	26	0.2	83	17	79	< 0.5	920
FL06-45	7	< 0.2	36	6	57	< 0.5	364
FL06-46	7	< 0.2	123	6	41	< 0.5	271
FL06-47	3	0.2	32	5	49	< 0.5	347
FL06-48	33	< 0.2	34	4	39	< 0.5	295
FL06-49	< 2	< 0.2	43	3	54	< 0.5	456
FL06-50	7	0.2	33	7	67	< 0.5	376
FL06-51	< 2	< 0.2	77	7	73	< 0.5	563
FL06-51B	< 2	0.2	101	17	167	< 0.5	414
FL06-52	25	< 0.2	26	7	51	< 0.5	322
FL06-53	6	< 0.2	35	8	62	< 0.5	396
FL06-54	5	< 0.2	18	6	50	< 0.5	306
FL06-55	< 2	< 0.2	55	9	84	< 0.5	638
FL06-56	6	< 0.2	50	5	57	< 0.5	413
Duplicate of No. 56	14	< 0.2	60	6	56	< 0.5	413

Table 5 - Selected analytical data for the -0.063 mm fraction.

Till Sample	-0.063 mm Analyses							
	Au (ppb)	**As (ppm)**	**Ag (ppm)**	**Cu (ppm)**	**Zn (ppm)**	**Pb (ppm)**	**Mn (ppm)**	**Ni (ppm)**
FL06-14	4	1	<0.2	8	55	5	247	24
Duplicate of 14	<2	2	<0.2	12	61	6	320	33
FL06-44	14	6.1	<0.2	43	72	14	770	38
Duplicate of 44	26	7.6	<0.2	83	79	17	920	46
FL06-56	6	3	<0.2	50	57	5	413	42
Duplicate of 56	14	4.3	<0.2	60	56	6	413	43
ODM Standards								
FL06-01B	1	5.5	0.2	114	187	19	432	91
FL06-25B	4	5.5	0.2	99	162	18	350	84
FL06-51B	1	6.3	0.2	101	167	17	414	82

Table 6 - Comparison of Actlab's geochemical analyses for the -0.063 mm fraction of duplicate till samples and ODM's till standard.

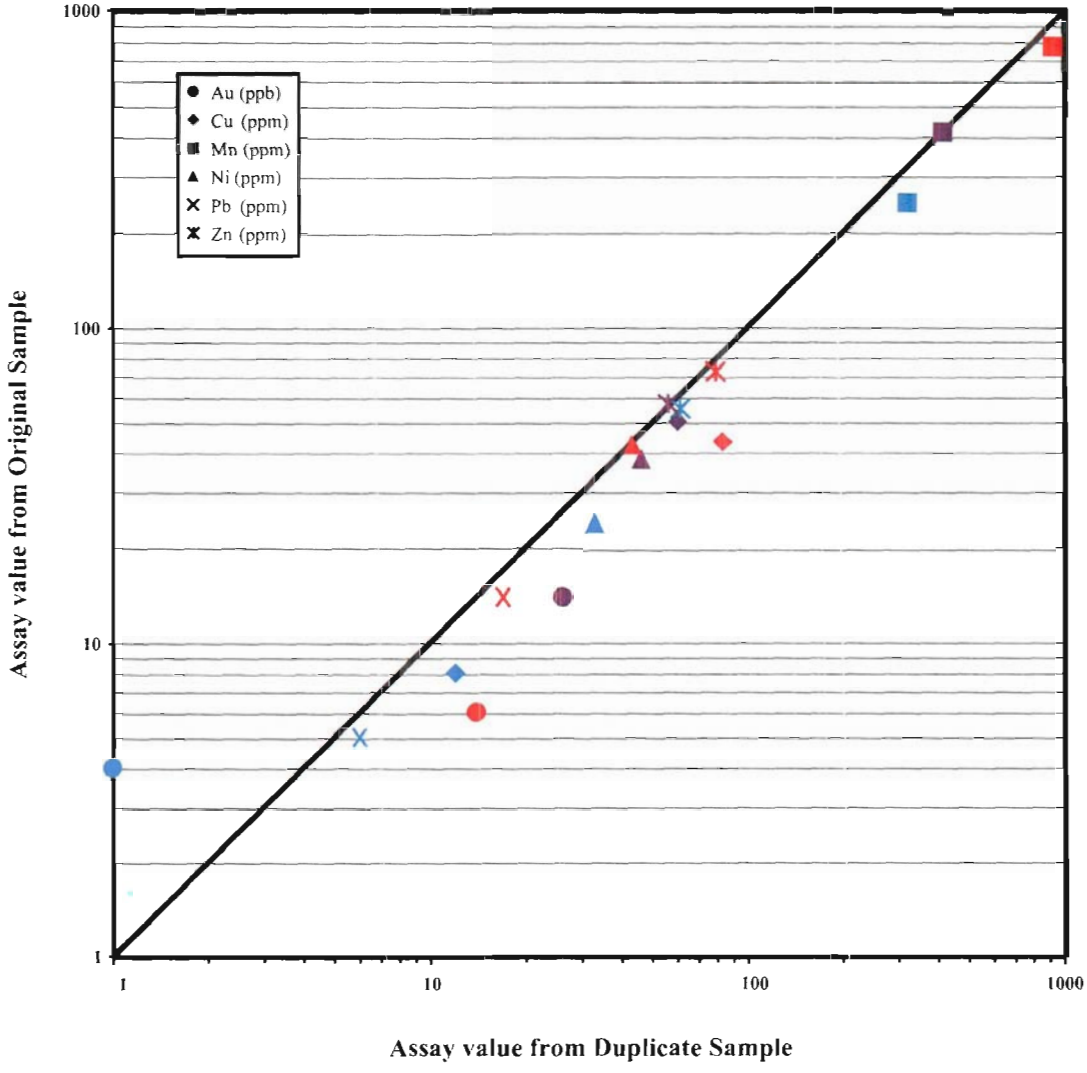


Figure 11 - Quality control comparison of -0.063 mm assay results for original and duplicate samples. Corresponding original and duplicate sample pairs are shown in blue for Samples FL06-14/57; red for Samples FL06-44/58; and purple for Samples FL06-56/59.

4.4 Target Areas Identified from Gold Grains

The gold grain data (Figure 8; Table 3) define five main target areas (Fig. 12) on the property: (1) along the western shore of Off Lake in the area south of Spring Lake and north of French Road; (2) along the northwest shore of Burditt Lake, west of Buckhorn Point; 3) southwest of Cedar Lake; (4) northeast of Pony Lake; and (5) north of Boundary Lake between Beadle Lake to the west and Preachers Lake to the east.

4.4.1 *Off Lake Area*

Immediately west of Off Lake, a narrow band of till moderately anomalous in gold grains and conformable with the southwest ice flow and bedrock trends is defined in the north by Sample 34, south of Spring Lake, centrally by off-property Samples 04 and 44, and further south by Samples 06 and 07 north of French Road (Fig. 12). Of the gold grains recovered (30, 24, 23, 24 and 53 grains respectively) from these samples, 54 to 86 percent were either pristine or modified. The 53 gold grains recovered from Sample 07 is the strongest gold-in-till anomaly from the survey and of the 53 gold grains 15 are pristine and 23 are modified. The anomalous till is mainly underlain by felsic volcanic rocks. Historical diamond drilling in the area reported significant VMS-type base metal results (Blackburn, 1976; Baker, 2006), but no mention of gold.

4.4.2 *Buckhorn Point Area*

Along the northwestern shore of Burditt Lake, near Buckhorn Point, Samples 23 and 24 yielded gold-in-till anomalies of 26 and 35 grains respectively. As noted, the Sample 24 anomaly is not considered significant because 31 of the 35 gold grains are reshaped. Sample 23, collected approximately 1 km up-ice from Sample 24, yielded fewer total gold grains but 50 percent of these grains are pristine or modified and the accompanying till clasts are mainly felsic volcanics suggesting that the source of the anomaly is in proximal felsic volcanics to the northeast.

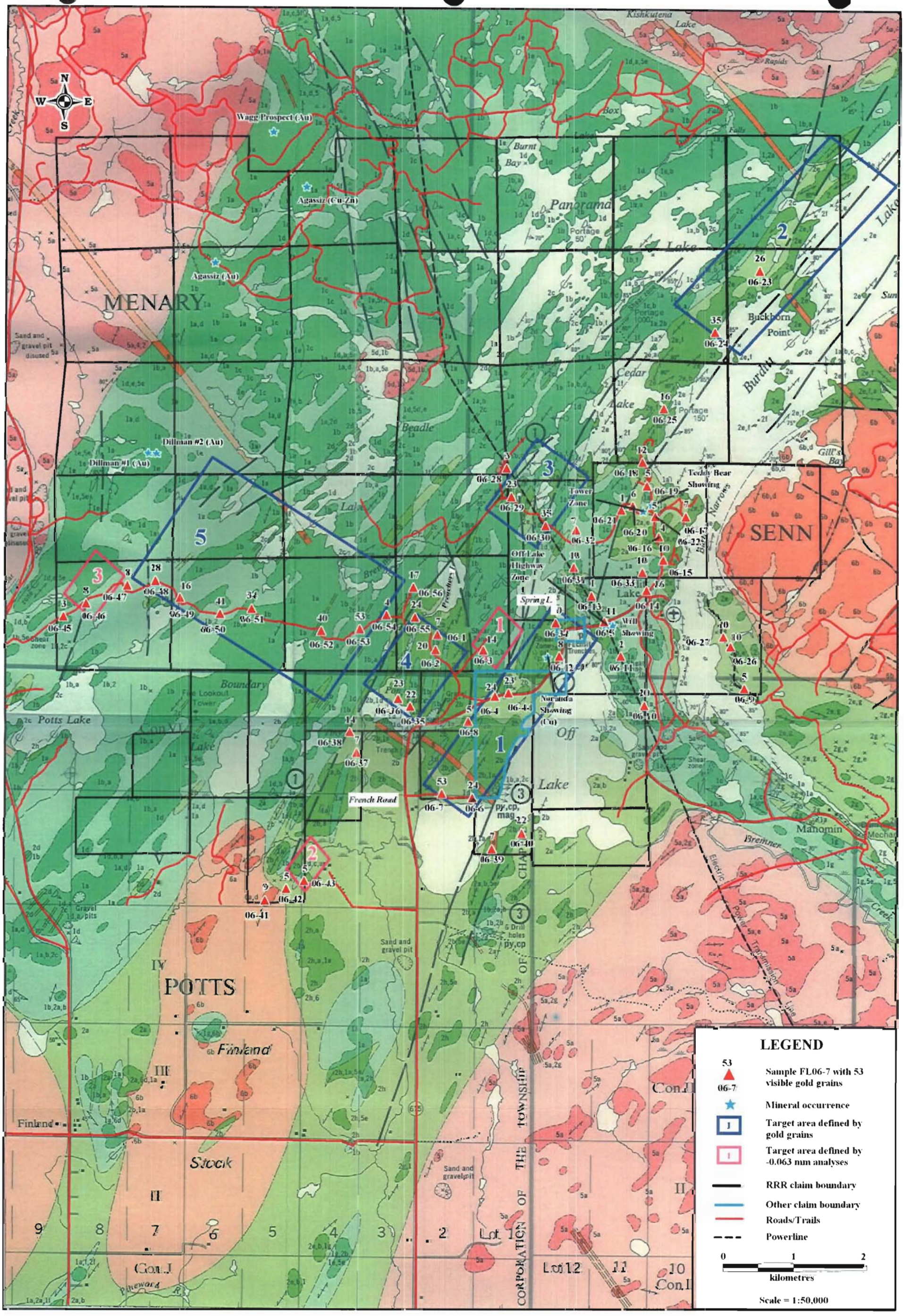


Figure 12 - Target follow-up areas derived from gold grain and -0.063 mm geochemical analyses. Note that the numbers in the target areas correspond to the order that the target areas are described in the text.

4.4.3 *Cedar Lake Area*

Southwest of Cedar Lake, Samples 29 and 30 yielded moderately anomalous gold-in-till results of 23 and 35 grains respectively in an area underlain primarily by mafic volcanics with minor felsic volcanic rocks. Although Sample 29 yielded fewer gold grains than Sample 30 it contained a greater proportion of modified and pristine gold grains (73 and 54 percent respectively). Sample 29 also contained a greater proportion of felsic volcanic clasts suggesting that the gold grains are locally derived.

4.4.4 *Pony Lake Area*

Along the north shore of Pony Lake Samples 35 and 36 yielded anomalous gold-in-till results. In Sample 35, 18 of the 22 recovered gold grains are pristine suggesting a very local source. The pristine gold component of Sample 36 is much weaker (9 of 23 grains). Local bedrock consists of mixed felsic and mafic volcanics. No previous work has been reported in the area.

4.4.5 *Boundary Lake Area*

The sampling traverse over the two mafic units on the western part of the property also yielded positive results. Samples 48, 50 to 53 and 55 yielded 28 to 53 grains. Samples 48, 51, 52 and 55 also yielded a significant proportion (60 to 88 percent) of modified or pristine grains indicating local derivation. Although the area is underlain primarily by mafic volcanics, numerous small felsic volcanic bodies are mapped locally. The significance of the anomalies depends on whether they are related to VMS-type mineralization in the felsic volcanics or to vein-type mineralization in the mafic volcanics which would tend to give stronger but less important anomalies.

4.5 Targets Areas Identified from -0.063 mm Analyses

Analysis of the -0.063 mm clay + silt fraction (Table 5) identified several areas of exploration interest. Some of the anomalies (*e.g.* near Samples 5, 20 and 22) are associated with the known Highway, Teddy Bear and Tower Zones (Baker, 2006) and Samples 6 (153 ppm Cu) and 12 (416 ppm Cu), along the western shore of Off Lake, are located near areas that have been previously diamond drilled (Blackburn, 1976). However three new areas (Fig. 12) of exploration interest outside those areas with known mineral showings have been identified: (1) southwest of Spring Lake; (2) west of the southern extent of Off Lake near the southern boundary of the property; and (3) north of Potts Lake.

4.5.1 *Spring Lake Area*

Sample 03 collected southwest of Spring Lake yielded anomalous assays for Cu (149 ppm), Zn (153 ppm) and Mn (1740 ppm) as compared to other samples on the property. The anomalous till is underlain by mixed felsic and mafic volcanic rocks.

4.5.2 *Off Lake West Area*

Sample 43 was collected from till overlying a small mafic volcanic body in an area dominated by felsic volcanics. The sample returned a weakly anomalous Cu assay of 114 ppm.

4.5.3 *Potts Lake Area*

Sample 46 collected north of Potts Lake, approximately 500 m east of the western-most extent of the Off Lake property over the main mafic unit on the property, returned a weakly anomalous Cu assay of 123 ppm.

5. CONCLUSIONS AND RECOMMENDATIONS

The focus of RRR's sampling program on the Off Lake Property was to test areas with suitable till development for: (1) Au-rich VMS mineralization within the eastern felsic units; and (2) vein-type lode gold mineralization within the western mafic units. The program demonstrated that it is possible to obtain high-quality subglacial till samples across the property despite the abundance of outcrop and to employ glacially dispersed gold grains and till geochemistry to identify those areas having the highest mineralization potential. Five areas prospective for Au-rich VMS mineralization and three with anomalous Cu were identified. Six of these targets are of particular interest. In order of priority, they are:

1) The set of anomalous samples (Nos. 04, 06, 07, 34 and 44) immediately west of Off Lake which contain the strongest and most significant gold-in-till anomaly on the property. The anomalous population of modified and pristine gold grains in several widely dispersed samples and the large component of felsic volcanic clasts in the till suggests several proximal mineralized occurrences in a felsic volcanic host. The 53-grain gold-in-till anomaly in Sample 07 should be confirmed by duplicating the sample within 3 m of the original site. Assuming confirmation, detailed till sampling should be performed up-ice of the current sample sites to trace the anomalies to source using the sampling pattern shown in Figure 13. This sampling protocol is also applicable, to varying degrees, to the other anomalies. Acquiring access to the parcel of land on which Samples 04 and 44 were collected would be very beneficial.

2) The Burditt Lake gold-in-till anomalies, where follow-up till sampling is recommended to trace the anomalies to source. The narrow belt of felsic volcanics that underlie the sample site ends abruptly just outside of the northeastern boundary of the property, therefore collecting six samples up-ice from Sample 23 to the property boundary is required. The adjoining property to the north was recently staked by Western Warrior Resources Inc.

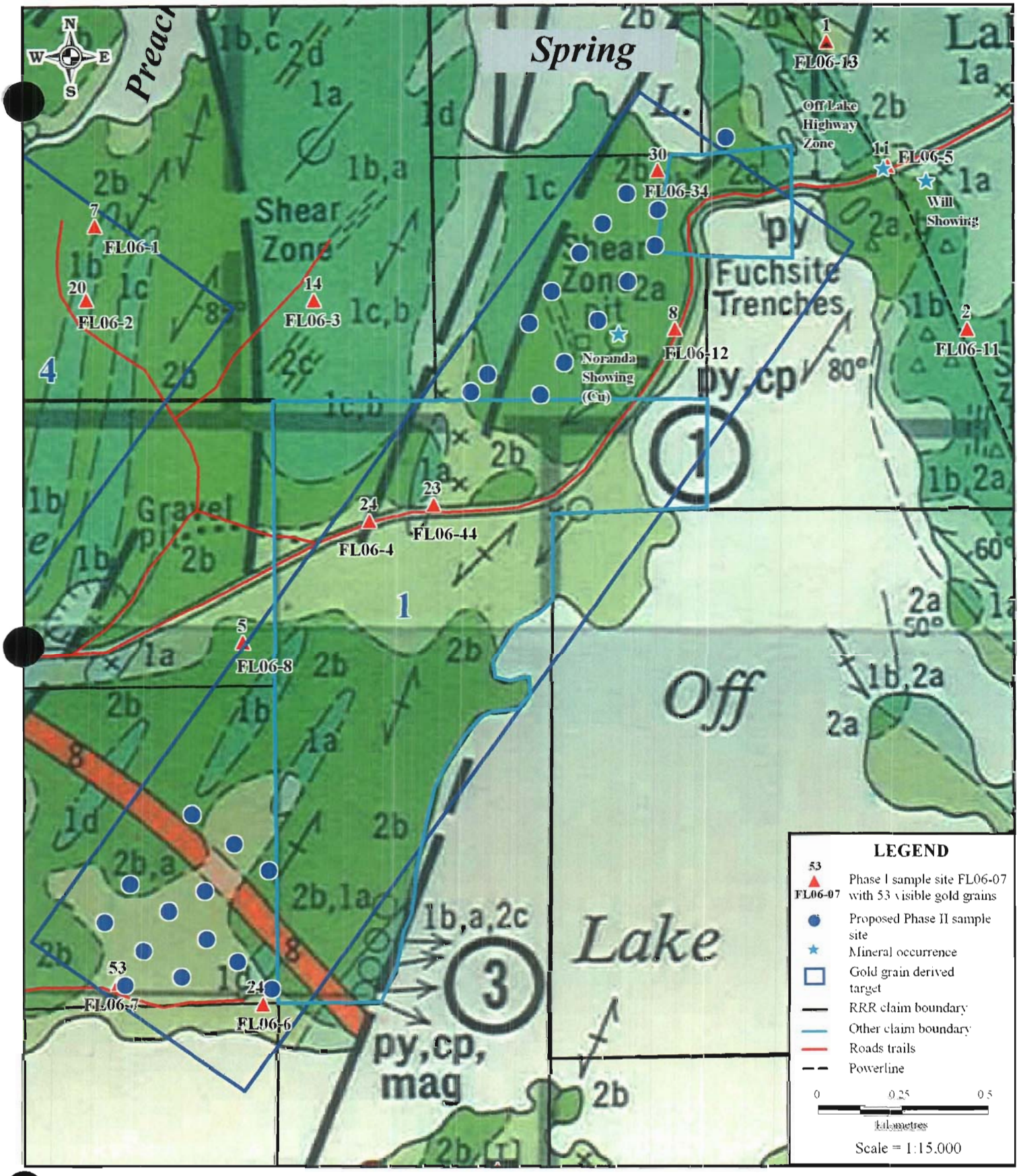


Figure 13 - Proposed Phase II sample sites for the Phase I gold-in-till anomalous area along the western shore of Off Lake.

3) The Cu-Zn-Mn anomaly in Sample 03, which should be investigated by prospecting and the collection of two or three till samples up-ice from the current sample site toward Spring Lake. Sample 03 also yielded 14 gold grains, above the background level of 1 to 10 grains, but below the threshold of >20 grains used to define the other targets. Together, these results present a notable signature of Au-rich VMS mineralization.

4) Southwest of Cedar Lake, where the moderately anomalous gold-in-till results in Samples 29 and 30 with significant contributions from pristine and modified grains should be investigated by conducting two sampling traverses, with 300 x 300 m sample spacing, up-ice toward Cedar Lake. Barren Samples 32 and 28 give apparent east and west cutoffs to the dispersal train. The sampling should be biased towards the felsic volcanics mapped in the area given the significant percentage of pristine gold grains and felsic volcanic clasts in Sample 29.

5) The area north of Pony Lake, where further investigation is warranted given the high proportion of pristine gold grains in Samples 35 and 36. Eight till samples should be collected up-ice from these sites to test overall fertility in the area and attempt to trace the anomalies to source.

6) The area northwest and north of Boundary Lake where the gold-in-till anomalies from Samples 48 to 53 should be investigated by follow-up till sampling and prospecting. The anomalies may be related to vein-type mineralization within the mafic volcanics, similar to the Dillman Showings to the northwest. Alternatively, they may be related to Au-rich VMS mineralization within the numerous, small felsic volcanic lenses mapped in the area. West and east dispersal train cutoffs are evident from negative gold grain results in Samples 47 and 54. Conducting four east to west traverses with eight samples 300 m spaced samples per traverse is recommended up-ice toward the northern limit of Bremner Creek.

The goal of the follow-up till sampling program is to further delineate the anomalies obtained during the first program and to bring one or more targets to the drill-ready stage. The recommendations given should be used together with those in a forthcoming report by Dr. L.D. Ayres who was commissioned by RRR to study centres of felsic volcanism and VMS mineralization on the property. His recommendations will be very useful in further prioritizing the target areas.

As mentioned Samples 04 and 44 were accidentally taken off of the Off Lake property. The mineral rights holder should be notified and forwarded all data for the two samples.

* * * * * * * * *

6. Certificate

I, David J. Hozjan, residing at 10 Stable Way, Kanata, Ontario, Canada hereby certify as follows:

That I graduated from the University of Toronto with a B.Sc. (Hons.) in Geology in 1996 and the University of Calgary with a M.Sc. in Geology specializing in Metamorphic Petrology in 1999;

That I am a geologist employed for 6 years by Overburden Drilling Management Limited, 107-15 Capella Court, Nepean, Ontario, an independent geological consulting company;

That I am a Member of the Association of Professional Geoscientists of Ontario;

That this technical report is based on data gathered on the subject property by myself;

That I personally interpreted the data;

That I hold no interest, either directly or indirectly, in Rainy River Resources Ltd.

PROFESSIONAL GEOSCIENTIST
DAVID J. HOZJAN
PRACTISING MEMBER
1307
ONTARIO

David J. Hozjan, M.Sc, P.Geo.

Dated at Ottawa, Ontario this 31st day of January, 2007

Appendix A

Sample Pit Logs

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-01 COLLECTED BY: HOZJAN DATE: July 24/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95 4831C 17-75

UTM co-ord. NAD83 0437896 E
(zone 15) 541 8758 N

Ice distance to outcrop 20m S

Outcrop geology felsic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 1.0m

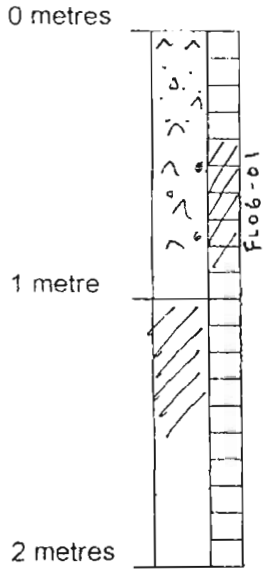
Additional notes sample site along flagged trail that trends off of main trail; near sample site 20

SURFICIAL GEOLOGY

Topography undulating hummocky till with occasional bedrock knobs; gentle N-facing slope

Surficial material organics, supraglacial till, boulders

Section/Sample Interval



0 - 0.1 organics

0.1 - 0.4 supraglacial till: beige, sandy, more rounded clasts

0.4 - 0.9 subglacial till: lots of clasts

0.9 - 1.0 possible rubble, very degraded felsic volcanics, angular

1.0 Bedrock ?

SAMPLE MATERIAL

Classification subglacial till

Structure massive, compact, clast supported

Clasts:
Size range 1cm to 80cm

% of sample 70%

Shape subangular to angular

Lithology 80% felsic volcanics, 10% mafic volcanics, 10% granitoid

Matrix:
% of sample 30%

Colour grey

Grain size class fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-02 COLLECTED BY: HOZJAN DATE: July 24/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4831C 17-75

UTM co-ord. NAD83 (zone 15) 0437867 E 5418540 N

Ice distance to outcrop 10 m

Outcrop geology felsic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 1.5m

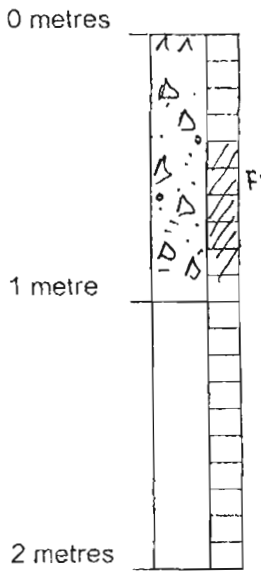
Additional notes sample site is next to main trail on East side; near site 18

SURFICIAL GEOLOGY

Topography hill top, minor exposed bedrock, well drained

Surficial material supraglacial till with scattered rounded small granitoid and mafic volcanic boulders

Section/Sample Interval



0 - 0.1 organics

0.1 - 0.4 Supraglacial till: light ochre to beige; sandy

0.4 - 0.9 subglacial till: grey beige to grey; lots of clasts

SAMPLE MATERIAL

Classification Subglacial till

Structure compact, massive, clast supported

Clasts:

Size range 1 to 40 cm

% of sample 60 %

Shape subangular

Lithology 70% felsic volcanics, 20% mafic volcanics, 10% granitoid

Matrix:

% of sample 40%

Colour grey-beige to grey

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-083 COLLECTED BY: HOZJAN DATE: July 24/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95 483 1C 17-75

UTM co-ord. NAD83 (zone 15) 0438537 E 5418532 N

Ice distance to outcrop 20 m

Outcrop geology

Shovel pit

Road cut

Other exposure ✓

Est. OB thickness 72.0 m

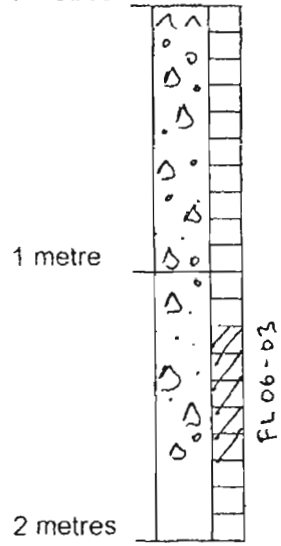
Additional notes - excavated area on W side of trail; near site 17

SURFICIAL GEOLOGY

Topography NE facing slope, well drained

Surficial material organics, boulders, supraglacial till

Section/Sample Interval



0 - 0.1 m organics

0.1 - 1.2 m supraglacial till: ochre, sandy

1.2 - 1.8 m subglacial till: light ochre to beige, lots of clasts

SAMPLE MATERIAL

Classification subglacial till

Structure compact, clast supported

Clasts:
Size range 1 cm to 50 cm
% of sample 70%
Shape subangular
Lithology 80% mafic volcanics, 20% felsic volcanics, trace granitoid

Matrix:
% of sample 40
Colour yellow ochre to beige
Grain size class fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-04 COLLECTED BY: HOZJAN DATE: July 24/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95 4831C 17-75

UTM co-ord. NAD83 (zone 15) 0438691 E, 5417 824 N

Ice distance to outcrop 10 m East

Outcrop geology felsic volcanic

Shovel pit

Road cut ✓

Other exposure

Est. OB thickness 7 1.5 m

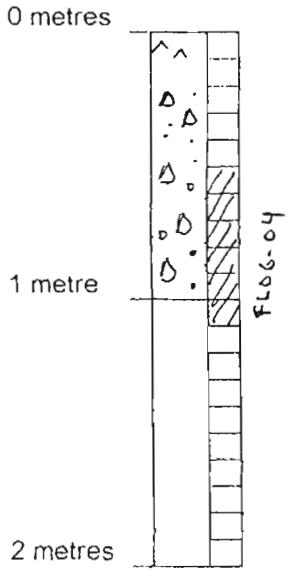
Additional notes no pre-selected site location; newly acquired claim; north side of road

SURFICIAL GEOLOGY

Topography hummocky till with bedrock knobs - occasional

Surficial material organics and supraglacial till; scattered boulders

Section/Sample Interval



0 - 0.1 organics

0.1 - 0.5 supraglacial till, sandy

0.5 - 1.1 subglacial till

SAMPLE MATERIAL

Classification subglacial till

Structure clast supported, compact massive

Clasts

Size range 1 cm to 80 cm

% of sample 70 %

Shape subangular to angular

Lithology 70% felsic volcanics, 20% mafic volcanics

Matrix:

% of sample 30 %

Colour light ochre to beige

Grain size class very fine sand and silt ± clay

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-05 COLLECTED BY: HOZJAN DATE: July 24/06

LOCATION

NTS map no. 52 c/13

Geology map no. 2325

Airphoto no. 95 4831c 17-77

UTM co-ord. NAD83 (zone 15) 0440256 E 5418882 N

Ice distance to outcrop N/A

Outcrop geology felsic volcanic with rusty sulphide-rich areas

Shovel pit

Road cut ✓

Other exposure

Est. OB thickness 1m

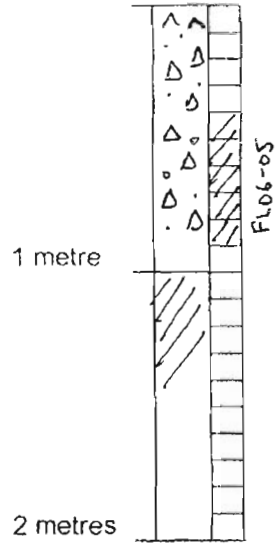
Additional notes till exposure beneath main power line, N-side of road; sample purposely not taken directly over bedrock near site 36

SURFICIAL GEOLOGY

Topography bedrock exposed along power line

Surficial material supraglacial till with boulder

Section/Sample Interval



0-0.1 organics

0.1-0.4 supraglacial till - sandy

0.4-0.9 subglacial till, lots of clasts

SAMPLE MATERIAL

Classification subglacial till

Structure compact, massive clast supported

Clasts:

Size range 1cm to 80 cm

% of sample 60%

Shape subangular

Lithology 90% felsic volcanics

Matrix:

% of sample 40 %

Colour grey-beige to grey

Grain size class fine sand and silt + clay

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-006 COLLECTED BY: HOZJAN DATE: July 25/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4830B - 08-180

UTM co-ord. NAD83 (zone 15) 0438363 E 5416454 N

Ice distance to outcrop 7100 m

Outcrop geology felsic volcanic

Shovel pit

Road cut ✓

Other exposure

Est. OB thickness 7.5 m

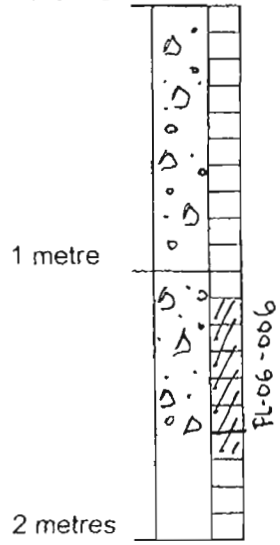
Additional notes sample site is west of site 05 in an excavated area; photo taken; along

SURFICIAL GEOLOGY

Topography undulating, hummocky, well drained

Surficial material supra glacial till and scattered boulders

Section/Sample Interval



0-0.8 m: supra glacial till, yellow-ochre, sandy

0.8-1.6 m: subglacial till;

SAMPLE MATERIAL

Classification subglacial till

Structure massive, compact, matrix to clast supported

Clasts:

Size range 0.5 to 70 cm

% of sample 50 %

Shape subangular

Lithology 70 % felsic volcanics, 25 % granitoid, 5 % mafic

Matrix:

% of sample 50 %

Colour grey-beige to grey

Grain size class fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-007 COLLECTED BY: HOZJAN DATE: July 25/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4830 C - 08 - 180

UTM co-ord. 0437937 E
(zone NAD83: 15) 5416519 N

Ice distance to outcrop 100 m W

Outcrop geology felsic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness

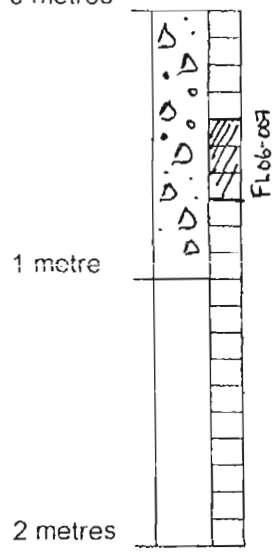
Additional notes site is along N-side of French's Road; 5 m in bush

SURFICIAL GEOLOGY

Topography undulating, hummocky, well drained

Surficial material supraglacial till and granitoid boulders

Section/Sample Interval



0-0.3 supraglacial till; lots of boulders yellow-ochre, B-horizon

0.3-0.8 m subglacial till; very compact

SAMPLE MATERIAL

Classification subglacial till

Structure very compact, massive, clast supported

Clasts
Size range 1cm to 40 cm

% of sample 60%

Shape subangular

Lithology 90% felsic volcanic
10% mafic, trace granitoid

Matrix
% of sample 40%

Colour yellow ochre to grey-beige

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-008 COLLECTED BY: HOZJAN DATE: July 25/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4830B-08-180

UTM co-ord. NAD83 (zone 15) 0438315 E 5417526 N

Ice distance to outcrop 2m SE

Outcrop geology felsic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 1.5 m

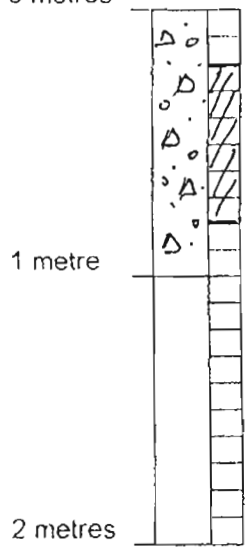
Additional notes sample site along N-facing slope, in newly acquired Main area; no pre-selected site

SURFICIAL GEOLOGY

Topography rugged bedrock knobs to SE

Surficial material supra glacial till and boulders (mafic and granitoid)

Section/Sample Interval



0-0.2m : supraglacial till, yellow-ochre bouldery, B-horizon

0.2-0.8 m: subglacial till

SAMPLE MATERIAL

Classification subglacial till

Structure compact, massive, clast supported

Clasts.

Size range 1cm to 40 cm

% of sample 60%

Shape subangular

Lithology 30% mafic, 30% granitoid, 40% felsic volcanic

Matrix:

% of sample 40%

Colour grey-beige to grey

Grain size class very fine sand and silt ± clay

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-009 COLLECTED BY: HOZJAN DATE: July 25/06

LOCATION

NTS map no. 52 c/13

Geology map no. 2325

Airphoto no. 95-48308-08-182

UTM co-ord. NAD83 442198 E
(zone 15) 5417957 N

Ice distance to outcrop

Outcrop geology N/A

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 72m

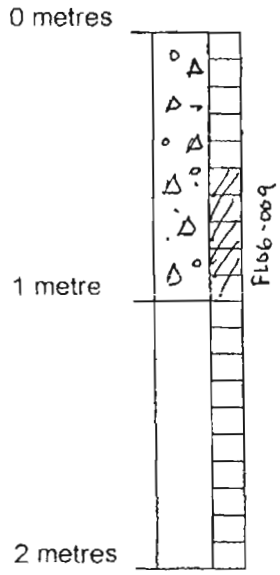
Additional notes near sample site 012 beneath power line

SURFICIAL GEOLOGY

Topography undulating till surface, well drained

Surficial material supraglacial till, granitoid and felsic volcanic boulders at surface

Section/Sample Interval



0-0.5m: supraglacial till, yellow-ochre B-horizon

0.5-1.0m subglacial till, sandy

SAMPLE MATERIAL

Classification subglacial sandy till

Structure moderately compact, clast to matrix supported

Clasts:
Size range 0.5 cm to 40 cm; most <3cm

% of sample 70%

Shape subangular to angular

Lithology 70% granitoid, 30 mafic

Matrix:
% of sample 30%

Colour light ochre to beige

Grain size class fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-010 COLLECTED BY: HOZJAN DATE: July 25/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-48308-08-182

UTM co-ord. NAD83 (zone 15) 0440790 E 5417728 N

Ice distance to outcrop 5 m East

Outcrop geology mafic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 71.0 m

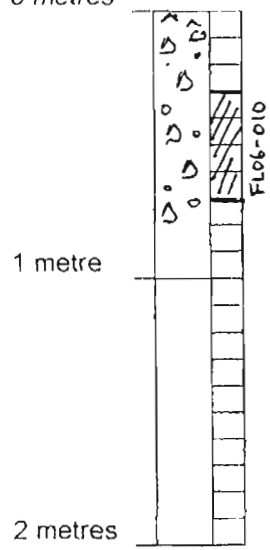
Additional notes sample site on N-facing slope beneath power line

SURFICIAL GEOLOGY

Topography undulating hummocky till with occasional bedrock outcrops; well drained

Surficial material supraglacial till, granitoid boulders

Section/Sample Interval



0-0.2: supraglacial till, B-horizon, bouldery

0.2-0.7: Subglacial till

SAMPLE MATERIAL

Classification subglacial till

Structure compact, massive, matrix supported

Clasts:

Size range 1cm to 40cm

% of sample 40 %

Shape subangular

Lithology granitoid and mafic

Matrix:

% of sample 60 %

Colour beige

Grain size class fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-011 COLLECTED BY: HOZJAN DATE: July 25/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-483 C 17-77

UTM co-ord. NAD83 (zone 15) 0440467 E 5418428 N

Ice distance to outcrop 5m

Outcrop geology rusty mafic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 5m

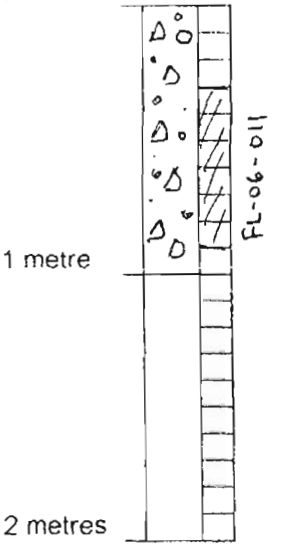
Additional notes near site 15; in low area between outcrops; ~10 m SSE of hydro posts

SURFICIAL GEOLOGY

Topography undulating, hummocky, bedrock knobs, well drained

Surficial material supraglacial till, boulders

Section/Sample Interval



0-0.3m: supraglacial till, yellow-ochre bouldery

0.3-0.9m: subglacial till, beige to grey-beige

SAMPLE MATERIAL

Classification subglacial till

Structure compact, massive, matrix to clast supported

Clasts:

Size range 0.5 cm to 30 cm

% of sample 40%

Shape subangular

Lithology mafic volcanic and granitoid

Matrix:

% of sample 60%

Colour beige to grey-beige

Grain size class very fine sand and silt ± clay

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-012 COLLECTED BY: HOZJAN DATE: July 25/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4831C - 17-76

UTM co-ord. 0439669 E
(zone ____) 5418385 N

Ice distance to outcrop

Outcrop geology N/A

Shovel pit

Road cut ✓

Other exposure

Est. OB thickness 72.0m

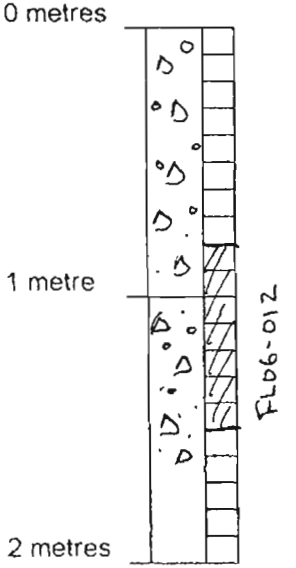
Additional notes road cut on NW side of Off Lake Road, opposite Off Lake

SURFICIAL GEOLOGY

Topography undulating hummocky till, well drained

Surficial material supraglacial till; occasional granitoid boulders

Section/Sample Interval



0 - 0.8m: supraglacial till, bouldery

0.8 - 1.5m: subglacial till

SAMPLE MATERIAL

Classification subglacial till

Structure massive, compact, clast supported

Clasts:
Size range 0.5 - 20cm

% of sample 70%

Shape subangular

Lithology 30% mafic, 60% felsic volcanic, 10% granitoid

Matrix:
% of sample 30%

Colour yellow-ochre

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-013 COLLECTED BY: HOZJAN DATE: July 26/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 9 4831 C 17-77

UTM co-ord. NAD83 (zone 15) 0440061 E, 5419 275 N

Ice distance to outcrop 3 m

Outcrop geology mafic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 2m

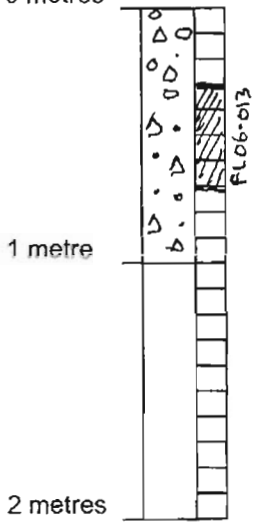
Additional notes near site 037, under power line in hollow between two outcrops

SURFICIAL GEOLOGY

Topography rugged, undulating bedrock knobs

Surficial material supraglacial till and perched and partially submerged boulders

Section/Sample Interval



0 - 0.3 m: supraglacial till, large boulders present, sandy

0.3 - 0.7 m: subglacial till, more silty

SAMPLE MATERIAL

Classification subglacial till

Structure compact, massive, clast supported

Clasts:

Size range 1cm to 30 cm

% of sample 60%

Shape subangular

Lithology 60% mafic volcanic, 40% felsic volcanic

Matrix:

% of sample 40%

Colour beige

Grain size class fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-014 COLLECTED BY: HOZJAN DATE: July 26/05

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95 4831C 17-77

UTM co-ord. NAD83 0440837 E
(zone 15) 5419344 N

Ice distance to outcrop 7200 m

Outcrop geology N/A

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 72 m

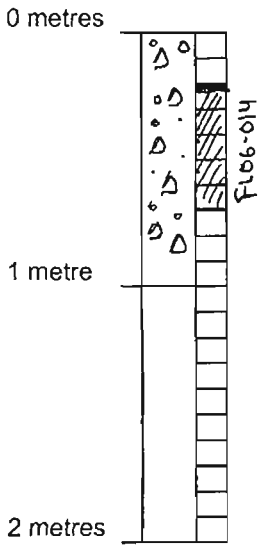
Additional notes sample site is next to hiking trail, NE of Clearwater Lake Road

SURFICIAL GEOLOGY

Topography moderately undulating till plain well drained

Surficial material supraglacial till and boulders

Section/Sample Interval



0-0.2 m: supraglacial till - bouldery, sandy

0.2-0.7 m: subglacial till, silty

SAMPLE MATERIAL

Classification subglacial till

Structure massive, moderately compact matrix to clast supported

Clasts:
Size range 1-20 cm

% of sample 50%

Shape subangular

Lithology granitoid and mafic volcanic

Matrix:
% of sample 50%

Colour grey-beige

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-015 COLLECTED BY: HOZJAN DATE: July 26/06

LOCATION

NTS map no. 52 c/13

Geology map no. 2325

Airphoto no. 954831 C 17-77

UTM co-ord. NAD83 (zone 15) 0441074 E, 5419764 N

Ice distance to outcrop 5m

Outcrop geology mafic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 2m

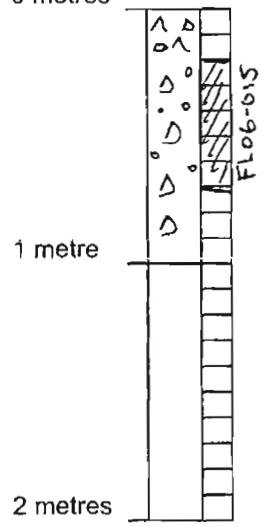
Additional notes near site 43, N of Ross' Camp Rd on flat area E of Hwy 615

SURFICIAL GEOLOGY

Topography rugged bedrock knobs

Surficial material thick vegetation and possibly supraglacial till, occasional partially submerged boulders in area

Section/Sample Interval



0 - 0.2m organics ± supraglacial till - B-horizon

0.2 - 0.7m subglacial till, matrix supported

SAMPLE MATERIAL

Classification subglacial till

Structure compact, massive, matrix to clast supported

Clasts:

Size range 1 to 10cm

% of sample 40%

Shape subangular

Lithology granitoid, felsic volcanic, mafic volcanic

Matrix:

% of sample 60%

Colour grey-beige

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-016 COLLECTED BY: HOZJAN DATE: July 26/05

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no.

UTM co-ord. NAD 83 (zone 15) 0441016 E 5420093 N

Ice distance to outcrop

Outcrop geology N/A

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness

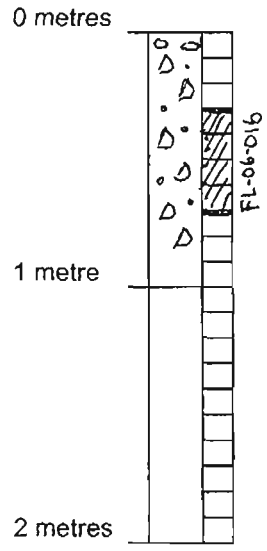
Additional notes near site 45 in bush

SURFICIAL GEOLOGY

Topography undulating, hummocky, well drained

Surficial material supraglacial till, organics partially submerged boulders

Section/Sample Interval



0-0.3m: supraglacial till, rounded boulders and sand

0.3-0.7m: subglacial till

SAMPLE MATERIAL

Classification subglacial till

Structure compact, massive, matrix supported

Clasts:

Size range 1 to 10cm

% of sample 30 %

Shape Subangular

Lithology granitoid and mafic volcanic

Matrix:

% of sample 70 %

Colour grey-beige to grey

Grain size class very fine sand and silt and clay

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-017 COLLECTED BY: HOZJAN DATE: July 26/06

LOCATION

NTS map no. 52 c/13

Geology map no. 2325

Airphoto no. 95-4831 c 17-77

UTM co-ord NAD83 (zone 15) 0441395 E, 5420373 N

Ice distance to outcrop 10 m W

Outcrop geology felsic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 1.5 m

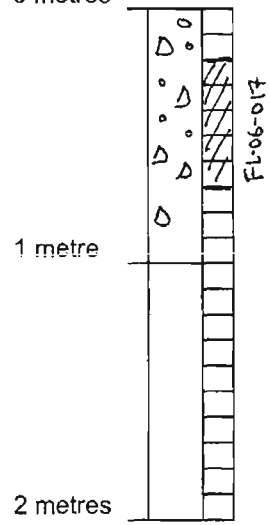
Additional notes W side of road to public boat launch, near site 44

SURFICIAL GEOLOGY

Topography undulating hummocky till, well drained

Surficial material supraglacial till, granitoid boulders

Section/Sample Interval



0-0.2m: supraglacial till - yellow-ochre

0.2-0.7m: subglacial till

SAMPLE MATERIAL

Classification subglacial till

Structure compact, massive, matrix to clast supported

Clasts:

Size range 1 to 20 cm

% of sample 40%

Shape subangular

Lithology granitoid and felsic volcanic

Matrix:

% of sample 60%

Colour beige to grey-beige

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-018 COLLECTED BY: HOZJAN DATE: July 26/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4831C 17-77

UTM co-ord. NAD83 (zone 15) 0440792 E, 5421140 N

Ice distance to outcrop

Outcrop geology

Shovel pit

Road cut ✓

Other exposure

Est. OB thickness 7.3m

Additional notes road cut on NE side near site 058

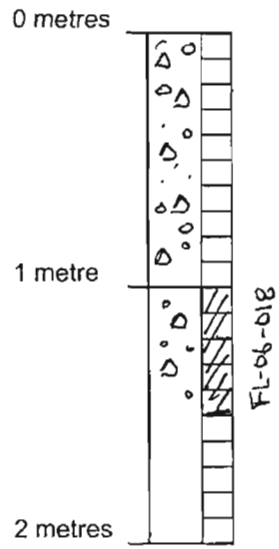
SURFICIAL GEOLOGY

Topography rugged, hill top

bedrock at surface

Surficial material local supraglacial till, occasional perched boulders

Section/Sample Interval



0 - 1m: supraglacial till, large boulders present

1-1.5m subglacial till

SAMPLE MATERIAL

Classification subglacial till

Structure compact, massive, clast supported, sandy till

Clasts:

Size range 1 to 20cm

% of sample 60 %

Shape subangular

Lithology granitoid and felsic volanic

Matrix:

% of sample 40 %

Colour yellow-ochre to grey-beige

Grain size class fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-019 COLLECTED BY: HOZJAN DATE: July 26/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4831C 17-77

UTM co-ord. NAD83 (zone 15) 0440854 E, 5420807 N

Ice distance to outcrop 5M S

Outcrop geology felsic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 0.6m

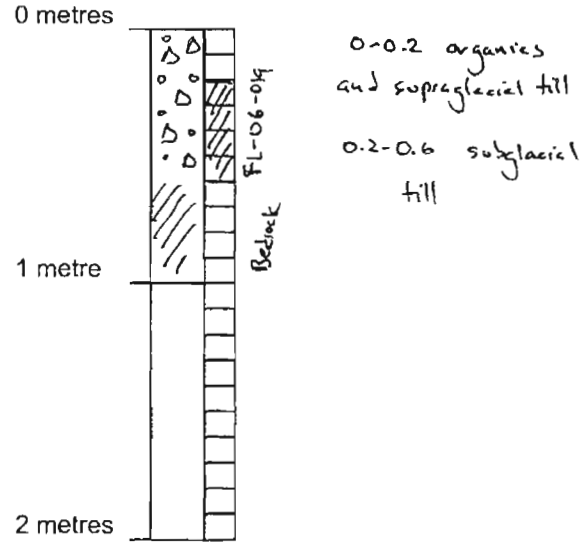
Additional notes near sit. 57, N side of old trail

SURFICIAL GEOLOGY

Topography flat lying, well drained bedrock subcrops

Surficial material supraglacial till with occasional submerged boulders

Section/Sample Interval



SAMPLE MATERIAL

Classification subglacial till

Structure massive, compact, matrix to clast supported

Clasts:

Size range 1cm to 30cm

% of sample 50%

Shape subangular to angular

Lithology felsic volcanic and granitoid

Matrix:

% of sample 50%

Colour beige to grey-beige

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-020 COLLECTED BY: HOZJAN DATE: July 26/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4831C 17-77

UTM co-ord. NAD83 (zone 15) 0440650 E, 5420530 N

Ice distance to outcrop

Outcrop geology N/A

Shovel pit

Road cut ✓

Other exposure

Est. OB thickness 71.5 m

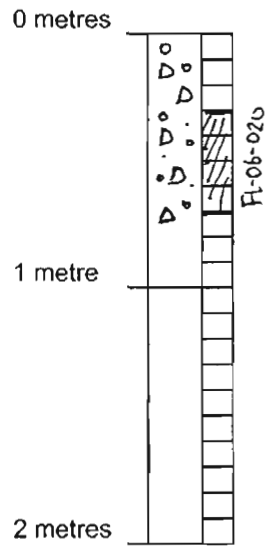
Additional notes near site 55 on SW side of road approximately 50m SE from microwave tower

SURFICIAL GEOLOGY

Topography undulating, well drained

Surficial material supraglacial till and boulders

Section/Sample Interval



0-0.3m: supraglacial till, B-horizon

0.3-0.7 subglacial till

SAMPLE MATERIAL

Classification subglacial till

Structure massive, compact, clast supported

Clasts:

Size range 1 to 30cm

% of sample 70%

Shape subangular

Lithology felsic volcanic

Matrix:

% of sample 30%

Colour yellow-ochre

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-021 COLLECTED BY: HOZJAN DATE: July 26/06

LOCATION

NTS map no. 52 c/13

Geology map no. 2325

Airphoto no. 95-4831C 17-77

UTM co-ord. 0440490 E
(zone ____) 5420475 N

Ice distance to outcrop

Outcrop geology

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 7.0 m

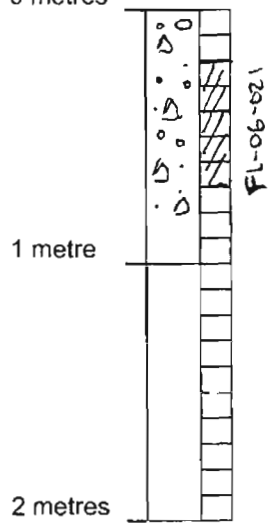
Additional notes near site 54, approximately 200 m N of dump.

SURFICIAL GEOLOGY

Topography moderately undulating, well drained, bedrock subcrops

Surficial material supraglacial till with local partially submerged and perched boulders

Section/Sample Interval



0-0.2 m: supraglacial till B-horizon

0.2-0.7 m: subglacial till sandy

SAMPLE MATERIAL

Classification subglacial till - sandy

Structure moderately compact, massive clast supported, lots of angular and subangular felsic volcanic and granitoid clasts

Clasts:

Size range 0.5 to 30 cm

% of sample 70 %

Shape subangular to angular

Lithology felsic volcanic and granitoid

Matrix:

% of sample 30 %

Colour light ochre to grey-beige

Grain size class fine sand and silt with some medium sand

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-022 COLLECTED BY: HOZJAN DATE: July 26/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4831C 17-77

UTM co-ord. 0440965 E
(zone ____) 5420380 N

Ice distance to outcrop 10 m N

Outcrop geology felsic volcanic

Shovel pit

Road cut ✓

Other exposure

Est. OB thickness

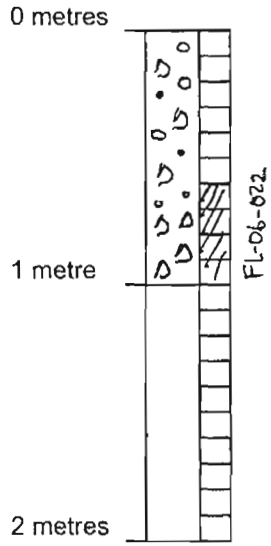
Additional notes SW of site 56 just north of dump road and Hwy 615 intersection

SURFICIAL GEOLOGY

Topography undulating, hummocky, well drained

Surficial material supraglacial till and boulders

Section/Sample Interval



0 - 0.6m: supraglacial till, boulder-rich slightly silt-deficient

0.6-1.0m: subglacial till, clast-rich

SAMPLE MATERIAL

Classification subglacial till

Structure compact, massive, clast supported

Clasts:
Size range 1 cm to 30 cm

% of sample 80%

Shape subangular to angular

Lithology 90% felsic volcanic, 10% mafic volcanic, 10% granitoid

Matrix:
% of sample 20%

Colour grey to grey-beige

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-023 COLLECTED BY: HOZJAN DATE: July 27/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95 4832 C 10-175

UTM co-ord. NAD83 0442 466 E
(zone 15) 542 3820 N

Ice distance to outcrop 5m S

Outcrop geology felsic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 0.5 m

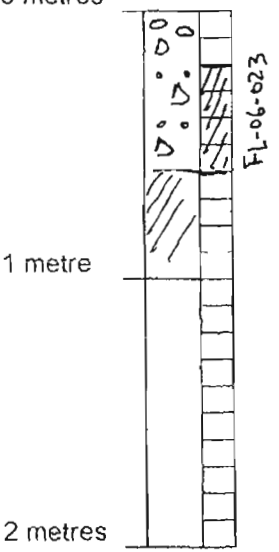
Additional notes near site 63, deep in bush; site on N-facing slope

SURFICIAL GEOLOGY

Topography rugged, bedrock knobs exposed

Surficial material supraglacial till; locally boulders perched and partially submerged

Section/Sample Interval



0-0.2m: supraglacial till; boulders rich

0.2-0.6m: subglacial till

0.6m Bedrock - felsic volcanic

SAMPLE MATERIAL

Classification subglacial till

Structure massive, compact, matrix supported

Clasts:
Size range 0.5 to 10 cm

% of sample 30 %

Shape subangular

Lithology granitoid and felsic volcanic

Matrix:
% of sample 70 %

Colour grey

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-024 COLLECTED BY: HOZJAN DATE: July 27/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 954832 C 10-175

UTM co-ord. NAD83 (zone 15) 0441837 E, 5422965 N

Ice distance to outcrop 3m

Outcrop geology felsic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 1.5 m

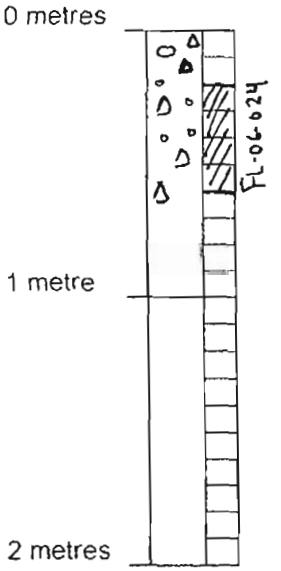
Additional notes near site 61; N-side of outcrop in small hollow

SURFICIAL GEOLOGY

Topography rugged bedrock hill top, well drained

Surficial material supraglacial till, perched boulders, rare partially submerged boulders

Section/Sample Interval



0-0.2m: supraglacial till; bouldery

0.2-0.6m: subglacial till; increase in proportion of small clasts, 1-10 cm range

SAMPLE MATERIAL

Classification subglacial till

Structure massive, compact, matrix supported

Clasts:

Size range 1 to 30 cm

% of sample 40%

Shape subangular

Lithology granitoid, felsic volcanic

Matrix:

% of sample 60%

Colour grey-beige to grey

Grain size class very fine sand and silt ± clay

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-025 COLLECTED BY: HOZJAN DATE: July 27/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4832 C 10-175

UTM co-ord. NAD83 (zone 15) 0441110 E 5421892 N

Ice distance to outcrop 10 m S

Outcrop geology felsic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 0.5 m

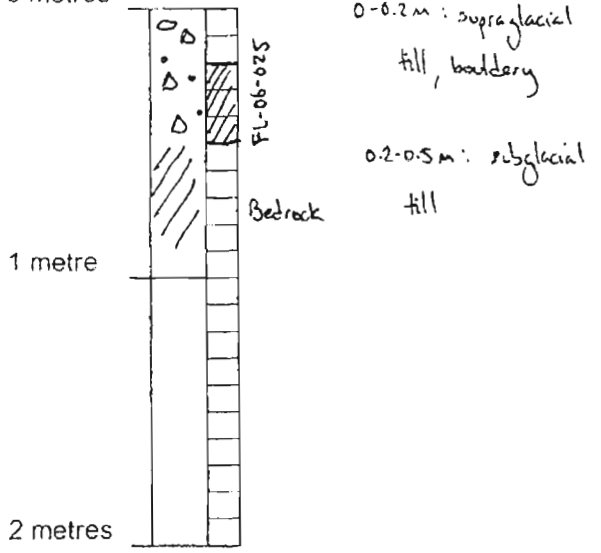
Additional notes sample site S of portage to Cedar Lake

SURFICIAL GEOLOGY

Topography rugged, well drained

Surficial material supraglacial till with occasional granitic and mafic volcanic boulders at surface

Section/Sample Interval



SAMPLE MATERIAL

Classification subglacial till

Structure massive, compact, matrix to clast supported

Clasts:

Size range 1 to 10 cm

% of sample 50 %

Shape subangular

Lithology granitic, mafic and felsic volcanic

Matrix:

% of sample 50 %

Colour grey

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-026 COLLECTED BY: HOZJAN DATE: July 27/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4831C 17-77

UTM co-ord. NAD83 (zone 15) 0442006 E 5418545 N

Ice distance to outcrop 20 m S

Outcrop geology felsic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 0.5 m

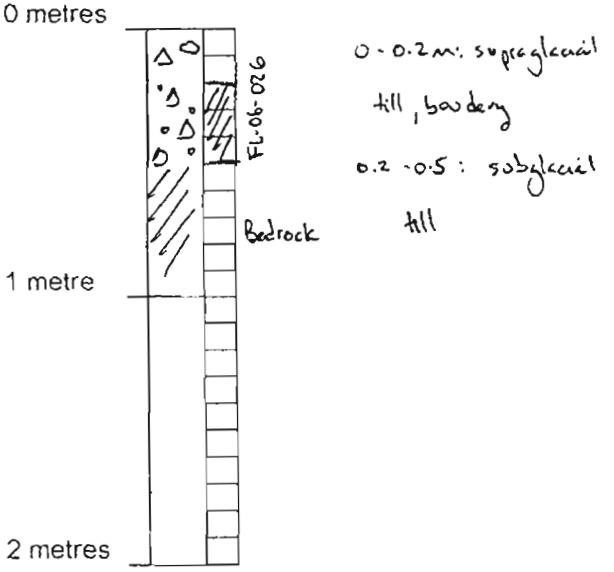
Additional notes sample site under hydro line near site 13

SURFICIAL GEOLOGY

Topography undulating, hummocky with occasional exposed bedrock

Surficial material supraglacial till, with partially submerged boulders

Section/Sample Interval



SAMPLE MATERIAL

Classification subglacial till

Structure compact, massive, matrix to clast supported

Clasts:

Size range 1 to 20 cm

% of sample 50%

Shape subangular

Lithology granitoid (80%), mafic volcanic (20%)

Matrix:

% of sample 50%

Colour grey-beige

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-027 COLLECTED BY: HOZJAN DATE: July 27/06

LOCATION

NTS map no. 52 c/13

Geology map no. 2325

Airphoto no. 95.4831C 17-77

UTM co-ord. NAD83 (zone 15) 0441909 E, 5418685 N

Ice distance to outcrop 30 m SE

Outcrop geology granitoid

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness < 1.5 m

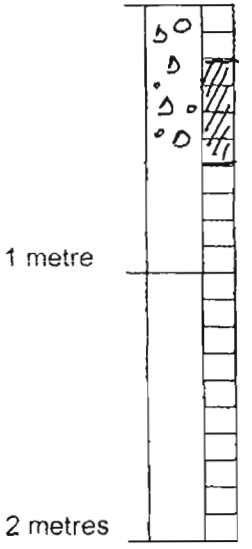
Additional notes near site 14, 10 m W of hydro post intersection

SURFICIAL GEOLOGY

Topography undulating hummocky, rugged, well drained

Surficial material supraglacial till with granitoid boulders, submerged and perched

Section/Sample Interval



0-0.2m: supraglacial till, rounded perched and partially submerged boulders

0.2-0.6m: subglacial till

SAMPLE MATERIAL

Classification subglacial till

Structure compact, massive, clast supported

Clasts:

Size range 1 to 10 cm

% of sample 60%

Shape subangular to subrounded

Lithology 90% granitoid

Matrix:

% of sample 40%

Colour grey-beige

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-028 COLLECTED BY: HOZJAN DATE: July 28/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 4831C - 17-76

UTM co-ord. NAD83 (zone 15) 0438882 E, 5421073 N

Ice distance to outcrop 5m NE

Outcrop geology felsic volcanic

Shovel pit

Road cut ✓

Other exposure

Est. OB thickness 1.5m

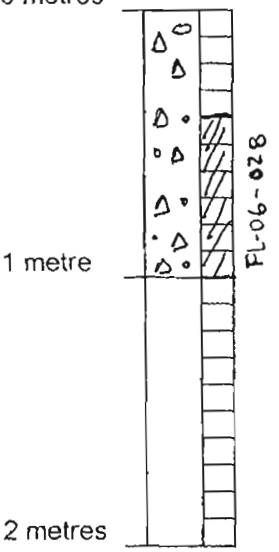
Additional notes non-preselected site beneath power line, N of site 52

SURFICIAL GEOLOGY

Topography undulating bedrock exposures, well drained

Surficial material supraglacial till, granitic boulders perched and partially submerged

Section/Sample Interval



0-0.4m: supraglacial till; bouldery

0.4-1.0m: subglacial till, smaller clasts

SAMPLE MATERIAL

Classification subglacial till

Structure massive, moderately compact clast supported

Clasts:

Size range 1 to 20 cm

% of sample 60 %

Shape subangular

Lithology granitoid, felsic volcanic and trace mafic

Matrix:

% of sample 40 %

Colour grey-beige

Grain size class fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-029 COLLECTED BY: HOZJAN DATE: July 28/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95 4831C 17-76

UTM co-ord. NAD83 (zone 15) 0438947 E, 5420673 N

Ice distance to outcrop 20 m SW

Outcrop geology mafic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 2m

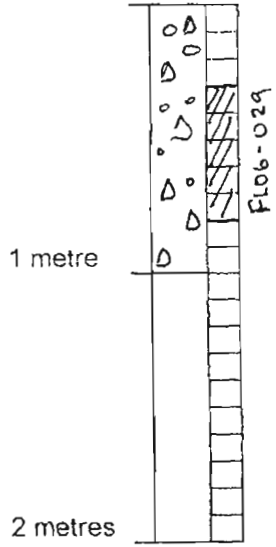
Additional notes near site 52, W of intersection in bush

SURFICIAL GEOLOGY

Topography moderately undulating hill top; well drained

Surficial material supraglacial till, boulders perched and partially submerged

Section/Sample Interval



0-0.3m: supraglacial till, abundant rounded boulders

0.3-0.8m:

SAMPLE MATERIAL

Classification subglacial till

Structure compact, massive, clast supported

Clasts:

Size range 1 to 20 cm

% of sample 60%

Shape subangular

Lithology granitoid and felsic volcanic

Matrix:

% of sample 40%

Colour yellow ochre to grey-beige

Grain size class fine sand and silt.

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-030 COLLECTED BY: HOZJAN DATE: July 28/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4831C 17-76

UTM co-ord. NAD83 (zone 15) 0439425 E, 5420263 N

Ice distance to outcrop 5m N

Outcrop geology mafic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 0.6 m

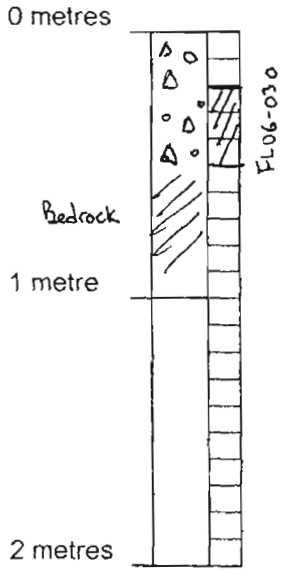
Additional notes sample site is below power line near site 51, in gully between two outcrops

SURFICIAL GEOLOGY

Topography rugged, abundant outcrop, well drained

Surficial material supraglacial till, boulders

Section/Sample Interval



0 - 0.2 m: supraglacial till

0.2 - 0.5 m: subglacial till

0.5 m Bedrock

SAMPLE MATERIAL

Classification subglacial till

Structure massive, moderately compact

Clasts:

Size range 1 to 20 cm

% of sample 60%

Shape subangular to angular

Lithology 10% granitoid, 90% mafic volcanic

Matrix:

% of sample 40%

Colour beige

Grain size class fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-031 COLLECTED BY: HOZJAN DATE: July 28/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4831C 17-76

UTM co-ord. NAD83 (zone 15) 0439817 E, 5419670 N

Ice distance to outcrop 5m S

Outcrop geology mafic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness ? 1.5 m

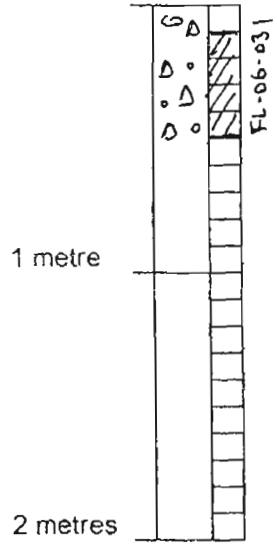
Additional notes south of site 40; no till between trail into power line and outcrops to south

SURFICIAL GEOLOGY

Topography rugged, bedrock knobs abundant, well drained, swamp to N

Surficial material minor supraglacial till, mafic and granitic boulders

Section/Sample Interval



0-0.1m: supraglacial till, bouldery

0.1-0.5m: subglacial till

SAMPLE MATERIAL

Classification subglacial till

Structure compact, massive, silty

Clasts:

Size range 1 to 10cm

% of sample 20%

Shape subangular

Lithology granitoid and mafic volcanic

Matrix:

% of sample 80%

Colour grey-beige to grey

Grain size class very fine sand and silt ± clay

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-032 COLLECTED BY: HOZJAN DATE: July 28/06

LOCATION

NTS map no. 52 c/13

Geology map no. 2325

Airphoto no. 95-4831C 17-76

UTM co-ord. NAD83 (zone 15) 0439849 E 5720198 N

Ice distance to outcrop 20m SE

Outcrop geology mafic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 1.5m

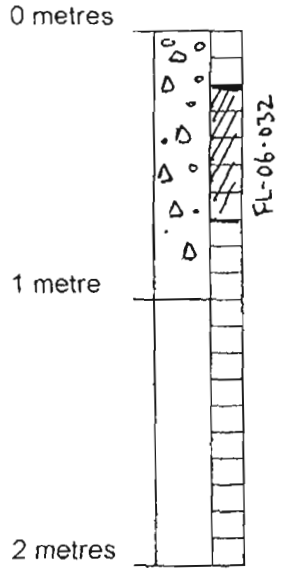
Additional notes sample site near site 49
N-facing slope

SURFICIAL GEOLOGY

Topography rugged, well drained

Surficial material supraglacial till with occasional boulders

Section/Sample Interval



0-0.2m: supraglacial till

0.2-0.7m: subglacial till

SAMPLE MATERIAL

Classification subglacial till

Structure massive, compact, clast supported

Clasts:
Size range 1 to 20cm

% of sample 70 %

Shape subangular

Lithology granitoid and mafic volcanic

Matrix:
% of sample 30%

Colour grey-beige to grey

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-033 COLLECTED BY: HOZJAN DATE: July 28/06

LOCATION

NTS map no. 52 c/13

Geology map no. 2325

Airphoto no. 95-483IC-17-76

UTM co-ord. NAD83 (zone 15) 0440778 E, 5419593 N

Ice distance to outcrop

Outcrop geology N/A

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 1m

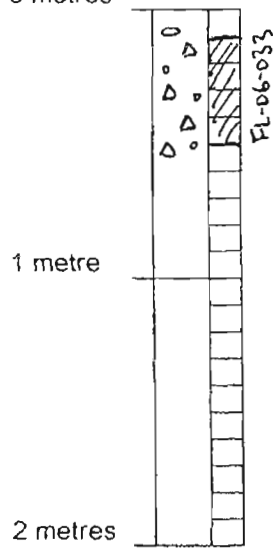
Additional notes South of site 42; accessed from hiking trail near Clearwater Lk. Rd.

SURFICIAL GEOLOGY

Topography low lying area, well drained

Surficial material supraglacial till, occasional granitoid boulders

Section/Sample Interval



0-0.1m: supraglacial till, silt deficient

0.1-0.5m: subglacial till

SAMPLE MATERIAL

Classification subglacial till

Structure very compact, massive, matrix supported, clayey

Clasts:

Size range 1 to 10cm

% of sample 20%

Shape subangular

Lithology granitoid and mafic volcanic

Matrix:

% of sample 80%

Colour grey

Grain size class very fine sand and silt and clay

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-034 COLLECTED BY: HOZJAN DATE: July 28/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4831C 17-76

UTM co-ord. NAD83 (zone 15) 0439 558 E, 5418904 N

Ice distance to outcrop

Outcrop geology N/A

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 23m

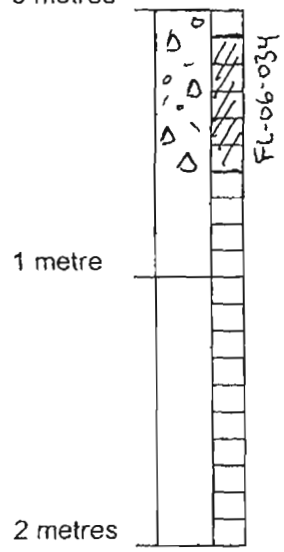
Additional notes near site 35

SURFICIAL GEOLOGY

Topography undulating, hummocky, well drained

Surficial material supraglacial till, minor granitoid boulders present

Section/Sample Interval



0 - 0.1m : supraglacial till

0.1-0.6m : subglacial till, clay and silt-rich

SAMPLE MATERIAL

Classification subglacial till

Structure very compact, massive, clayey, matrix supported

Clasts:
Size range 1 to 10cm
% of sample 30%
Shape subangular
Lithology granitoid, felsic volcanic

Matrix:
% of sample 70%
Colour grey to grey-beige
Grain size class very fine sand and silt and clay

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-035 COLLECTED BY: HOZJAN DATE: July 29/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4830B 08-179

UTM co-ord. NAD83 (zone 15) 0437506 E, 5417747 N

Ice distance to outcrop 20 m S

Outcrop geology felsic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 0.8 m

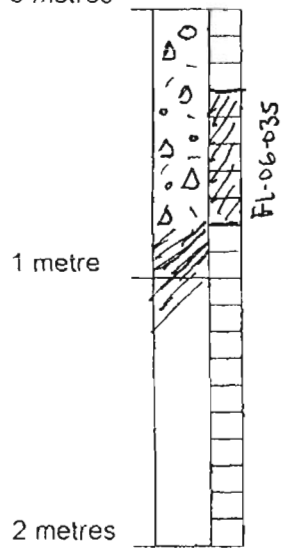
Additional notes site near site 10 on Pony Lake, NE corner

SURFICIAL GEOLOGY

Topography fairly rugged, bedrock exposed knobs, site located on N-facing slope on above lake

Surficial material minor supraglacial till with occasional boulders (granitoid)

Section/Sample Interval



0-0.3m: supraglacial till, few boulders partially submerged

0.3-0.8 m: subglacial till, silty, clayey

0.8m: Bedrock - felsic volcanic

SAMPLE MATERIAL

Classification subglacial till

Structure massive, compact, silty, clayey, matrix supported

Clasts:

Size range 1-3 cm, some >10 cm

% of sample 5%

Shape subangular

Lithology granitoid and felsic volcanic

Matrix:

% of sample 95%

Colour grey-beige to grey

Grain size class very fine sand and silt and clay/silt lumps

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-036 COLLECTED BY: HOZJAN DATE: July 29/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4830B 08-180

UTM co-ord. NAD83 (zone 15) 0437 337 E, 5417 858 N

Ice distance to outcrop

Outcrop geology N/A

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 1.5 m

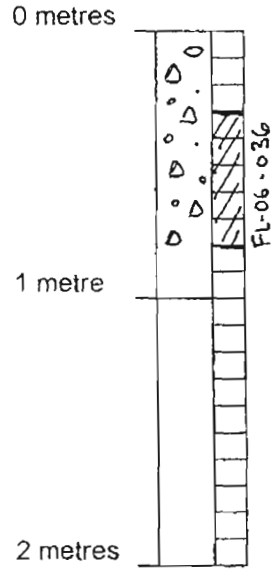
Additional notes near site 09, N-facing slope

SURFICIAL GEOLOGY

Topography undulating, rugged, well drained

Surficial material supraglacial till, abundant granite boulders on surface

Section/Sample Interval



0-0.3m: supraglacial till, bouldery

0.3-0.8m: subglacial till, abundant smaller clasts

SAMPLE MATERIAL

Classification subglacial till

Structure massive, compact, clast to matrix supported

Clasts:

Size range 1 to 20 cm

% of sample 60 %

Shape subangular

Lithology 70% granitoid, 30% mafic volcanic

Matrix:

% of sample 40%

Colour grey-beige

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-037 COLLECTED BY: HOZJAN DATE: July 2 /06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4830B 08-180

UTM co-ord. NAD83 (zone 15) 0436752 E, 5417102 N

Ice distance to outcrop

Outcrop geology N/A

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 0.6 m

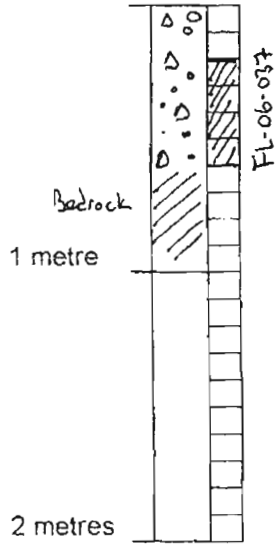
Additional notes near site 07; NE-facing slope near base of steep rise

SURFICIAL GEOLOGY

Topography undulating, rugged, well drained

Surficial material minor supraglacial till, mainly thin (~10cm) organic layer above bedrock

Section/Sample Interval



0-0.2m: supraglacial till, bouldery

0.2-0.6m: subglacial till

0.6 m: Bedrock - mafic volcanic

SAMPLE MATERIAL

Classification subglacial till

Structure compact, massive, matrix supported

Clasts:

Size range 1 to 20cm

% of sample 40%

Shape subangular

Lithology mafic volcanic, granitoid

Matrix:

% of sample 60%

Colour grey-beige

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-038 COLLECTED BY: HOZJAN DATE: July 29/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4830B 08-179

UTM co-ord. NAD83 (zone 15) 0436659 E 5417394 N

Ice distance to outcrop ~50 m W

Outcrop geology mafic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness ~1.8 m

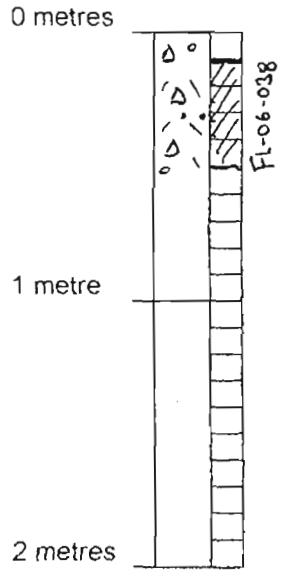
Additional notes near site 08, ~20m S of flagged claim line

SURFICIAL GEOLOGY

Topography rugged bedrock rise to W, swamp to E

Surficial material supraglacial till with rare boulders

Section/Sample Interval



0-0.1 m: supraglacial till, bouldery

0.1-0.5 m: subglacial till, very compact, difficult to sample

SAMPLE MATERIAL

Classification subglacial till

Structure very compact, matrix supported, clay-silt lumps present

Clasts:

Size range 3-10 cm

% of sample 10%

Shape subangular

Lithology 70% granitoid, 30% mafic volcanics

Matrix:

% of sample 90%

Colour grey-beige

Grain size class very fine sand and silt + clay

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-039 COLLECTED BY: HOZJAN DATE: July 29/06

LOCATION

NTS map no. 52 C/31

Geology map no. 2325

Airphoto no. 95-4830B 08-180

UTM co-ord. NAD83 (zone 15) 0438631 E 5415738 N

Ice distance to outcrop 10 m S

Outcrop geology felsic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 1.5 m

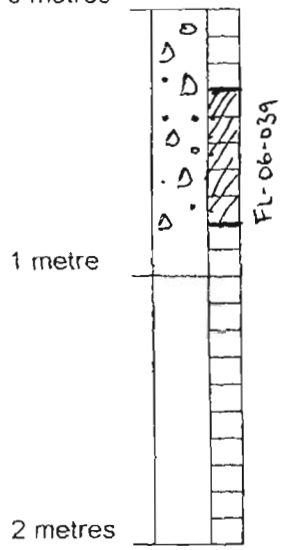
Additional notes N-facing slope near site 04

SURFICIAL GEOLOGY

Topography rugged, relatively flat plateau above lake, well drained

Surficial material supraglacial till, granitoid boulders prevalent

Section/Sample Interval



0-0.3m: supraglacial till, very bouldery

0.3-0.8m: subglacial till, fewer, smaller clasts

SAMPLE MATERIAL

Classification subglacial till

Structure compact, massive, matrix to clast supported

Clasts

Size range 1 to 20 cm

% of sample 40%

Shape subangular

Lithology 60% granitoid, 30% felsic volcanic, 10% mafic volcanic

Matrix:

% of sample 60%

Colour grey-beige to grey

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-040 COLLECTED BY: HOZJAN DATE: July 29/06

LOCATION

NTS map no. 52 c/13

Geology map no. 2325

Airphoto no. 95-4830B 08-180

UTM co-ord. NAD83 (zone 15) 0439051 E 5415956 N

Ice distance to outcrop ~50m N

Outcrop geology felsic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 1.5m

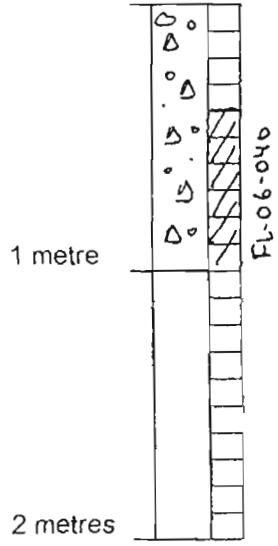
Additional notes site non-preselected; W of FL-06-039

SURFICIAL GEOLOGY

Topography rugged, hill top, N-facing slope, well drained

Surficial material supraglacial till, lots of large boulders, some >1m

Section/Sample Interval



0-0.4m: supraglacial till, bouldery, yellow-ochre

0.4-1.0m: subglacial till, grey-beige to grey

SAMPLE MATERIAL

Classification subglacial till

Structure massive, compact, matrix supported

Clasts:
Size range 1 to 10cm, few up to 50cm

% of sample 30%

Shape subangular

Lithology mafic volcanic, granitoid

Matrix:
% of sample 70%

Colour grey-beige to grey

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-041 COLLECTED BY: HOZJAN DATE: July 30/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4830B 08-179

UTM co-ord. NAD83 (zone 15) 0435454 E, 5415046 N

Ice distance to outcrop 30 m S

Outcrop geology granitoid

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 7.2m

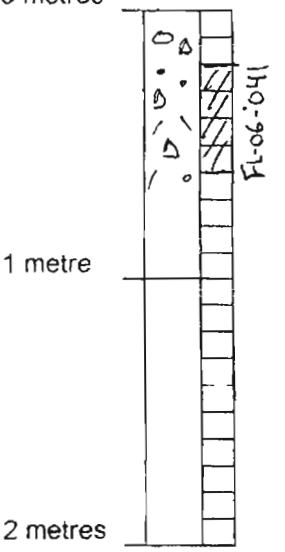
Additional notes site near preselected site 01 at base of bedrock knob, N-facing slope; Note: trail shown on maps for samples FL-06-041 to 043 does not exist.

SURFICIAL GEOLOGY

Topography low lying, heavily treed area to N, bedrock ridge to S

Surficial material minor supra glacial till, granitoid and felsic volcanic boulders on surface

Section/Sample Interval



0-0.2m: supraglacial till, bouldery

0.2-0.6m: subglacial till, clay-rich

SAMPLE MATERIAL

Classification subglacial till

Structure very compact, matrix supported

Clasts:

Size range 1 to 5 cm

% of sample 10%

Shape subangular to subrounded

Lithology 70% granitoid, 30% felsic

Matrix:

% of sample 90%

Colour grey-beige

Grain size class very fine sand, silt and clay, abundant clay/silt lumps

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: DFF LAKE SAMPLE NO.: FL-06-042 COLLECTED BY: HOZJAN DATE: July 30/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4830B 08-179

UTM co-ord. NAD83 0435754 E
(zone 15) 5415208 N

Ice distance to outcrop 30 m S

Outcrop geology felsic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness >2 m

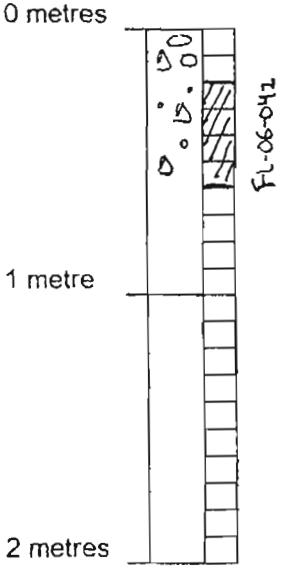
Additional notes near site 02, NE-facing slope (gentle)

SURFICIAL GEOLOGY

Topography low lying, heavily treed, prominent bedrock ridge to S

Surficial material supraglacial till, granitoid and felsic volcanic boulders at surface

Section/Sample Interval



0-0.2m: supraglacial till; bouldery

0.2-0.6m: subglacial till

SAMPLE MATERIAL

Classification subglacial till

Structure compact, massive, matrix supported

Clasts:
Size range 1 to 15 cm

% of sample 30%

Shape subangular to angular

Lithology 60% granitoid, 30% felsic volcanic, 10% mafic volcanic

Matrix:
% of sample 70%

Colour grey-beige

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-043 COLLECTED BY: HOZJAN DATE: July 30/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4830B 08-179

UTM co-ord. NAD83 (zone 15) 0436004 E 5415314 N

Ice distance to outcrop m NW

Outcrop geology mixed mafic and felsic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 0.7m

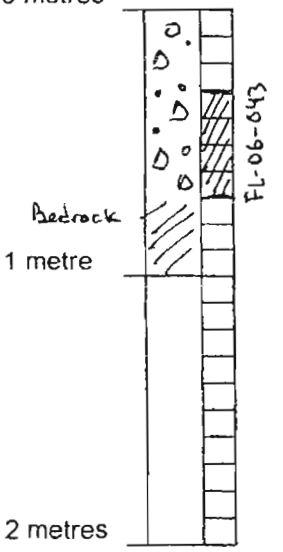
Additional notes near site 03, gentle NE-facing slope

SURFICIAL GEOLOGY

Topography outcrop ridge, rugged

Surficial material minor supraglacial till and boulders

Section/Sample Interval



0-0.3m: supraglacial till, bouldery

0.3-0.7m: subglacial till, clast to matrix supported

0.7m: Bedrock - mafic volcanic, 100% mafic clast, angular

SAMPLE MATERIAL

Classification subglacial till

Structure weakly compact, clast to matrix supported

Clasts:

Size range 1 to 10cm

% of sample 60%

Shape subangular

Lithology 60% felsic volcanic, 20% granitoid, 20% mafic volcanic

Matrix:

% of sample 40%

Colour yellow-ochre

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-044 COLLECTED BY: HOZJAN DATE: July 30/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95

UTM co-ord. NAD83 (zone 15) 0438880 E, 5417 870 N

Ice distance to outcrop 100 m SW

Outcrop geology felsic volcanic

Shovel pit

Road cut ✓

Other exposure

Est. OB thickness 75m

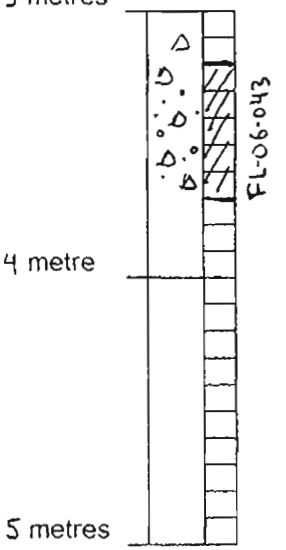
Additional notes sample taken at base of road cut, ~3m below surface

SURFICIAL GEOLOGY

Topography low lying, moderately undulating

Surficial material minor supraglacial till with occasional partially submerged boulders

Section/Sample Interval



0-3m: not exposed, overgrown

3.2-3.7m: subglacial till, clast supported, sandy

SAMPLE MATERIAL

Classification subglacial till

Structure clast supported, moderately compact, sandy till

Clasts:

Size range 0.5 to 20cm

% of sample 70%

Shape subangular

Lithology 60% felsic volcanic, 20% mafic volcanic, 20% granitoid

Matrix:

% of sample 30%

Colour beige to grey-beige

Grain size class fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-045 COLLECTED BY: HOZJAN DATE: July 30/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4831C 17-73

UTM co-ord. NAD83 (zone 15) 0432677 E 5419057 N

Ice distance to outcrop 20 m East

Outcrop geology mafic volcanic

Shovel pit

Road cut ✓

Other exposure

Est. OB thickness 5m

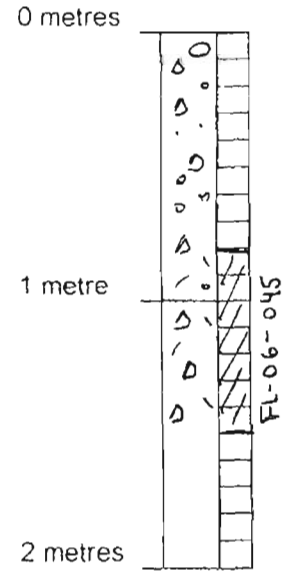
Additional notes road cut near site 22

SURFICIAL GEOLOGY

Topography moderately undulating till plain

Surficial material supraglacial till, large (>1m) granitoid and mafic volcanic boulders at surface

Section/Sample Interval



0 - 0.8 m: supraglacial till, disturbed by road building

0.8 to 1.5m: subglacial till, clay/silt lumps prevalent

SAMPLE MATERIAL

Classification subglacial till

Structure compact, massive, matrix supported, clayey

Clasts.

Size range 1 to 20cm

% of sample 10%

Shape subangular

Lithology 50% granitoid, 50% mafic volcanic

Matrix:

% of sample 90%

Colour beige to grey-beige

Grain size class very fine sand and silt and clay.

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-046 COLLECTED BY: HOZJAN DATE: July 30/06

LOCATION

NTS map no. 52 c/13

Geology map no. 2325

Airphoto no. 95-4831C 17-73

UTM co-ord. NAD83 (zone 15) 0432996 E, 5419236 N

Ice distance to outcrop 2m W

Outcrop geology mafic volcanic

Shovel pit

Road cut ✓

Other exposure

Est. OB thickness 1.5 m

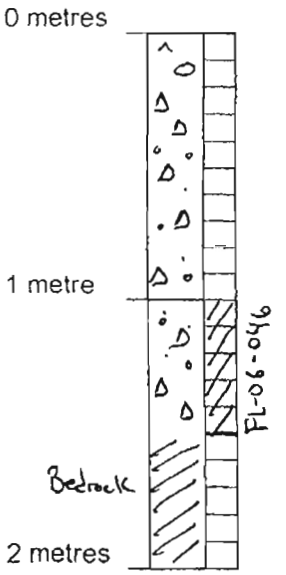
Additional notes near site 23

SURFICIAL GEOLOGY

Topography moderately undulating till plain, steep outcrop faces

Surficial material supraglacial till, granitoid and mafic (50%/50%) boulders up to 80cm in diam

Section/Sample Interval



0-0.3m: organics and supraglacial till B-horizon

0.3-1.5m: subglacial till, sandy

1.5m: Bedrock - mafic volcanic

SAMPLE MATERIAL

Classification subglacial till

Structure compact, massive, matrix to clast supported, sandy

Clasts:

Size range 1 cm to 20cm

% of sample 40%

Shape subangular

Lithology 60% mafic volcanic, 40% granitoid

Matrix:

% of sample 60%

Colour grey-beige

Grain size class fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-047 COLLECTED BY: HOZJAN DATE: July 30/06

LOCATION

NTS map no. 52 c/13

Geology map no. 2325

Airphoto no. 95-4831C 17-73

UTM co-ord. NAD83 (zone 15) 0433575 E, 5419 480 N

Ice distance to outcrop

Outcrop geology N/A

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 1.5 m

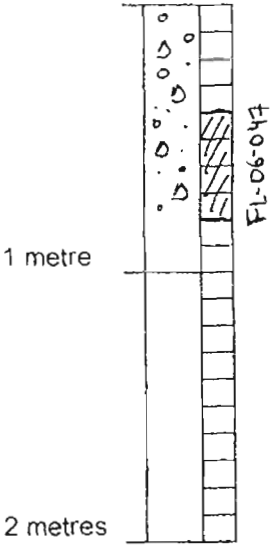
Additional notes near site 25

SURFICIAL GEOLOGY

Topography moderately undulating till/sand plain

Surficial material local supraglacial till with granitoid boulders at surface

Section/Sample Interval



0-0.4 m: supraglacial till, bouldery, oxidized ochre

0.4-0.8 m: subglacial till, beige to grey-beige

0.8 m: 100% angular mafic volcanic clasts, little to no matrix — Bedrock

SAMPLE MATERIAL

Classification subglacial till

Structure massive, compact, clast to matrix supported

Clasts:

Size range 1 to 10 cm

% of sample 40%

Shape subangular

Lithology 70% mafic volcanic, 30% granitoid

Matrix:

% of sample 60%

Colour grey-beige

Grain size class fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-048 COLLECTED BY: HOZJAN DATE: July 31/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4831C 17-73

UTM co-ord NAD83 (zone 15) 0433970 E, 5419538 N

Ice distance to outcrop 5m N

Outcrop geology mafic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 1 m

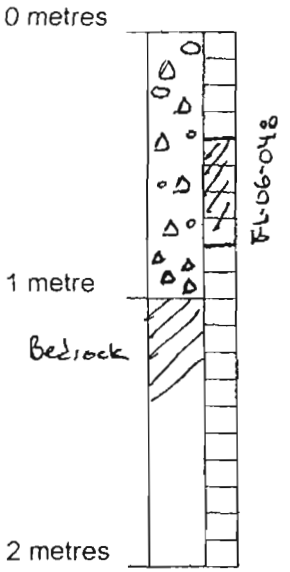
Additional notes near site 25

SURFICIAL GEOLOGY

Topography undulating bedrock exposures minor valley to E

Surficial material supraglacial till and partially submerged and perched boulders, 60% granitoid, 40% mafic volcanic

Section/Sample Interval



0-0.4m : supraglacial till - bouldery

0.4-0.8m : subglacial till, matrix supported

0.8m : very angular clasts, 100% mafic volcanic suggest rubble

1.0m – Bedrock

SAMPLE MATERIAL

Classification subglacial till

Structure massive, compact, matrix supported

Clasts:
Size range 1 to 10 cm
% of sample 20%
Shape subangular
Lithology 50% granitoid, 50% mafic volcanic

Matrix:
% of sample 80%
Colour grey-beige
Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-049 COLLECTED BY: HOZJAN DATE: July 31/06

LOCATION

NTS map no. 52 C/13

Geology map no. 2325

Airphoto no. 95-4831C 17-73

UTM co-ord. NAD83 (zone 15) 0434309 E 5419303 N

Ice distance to outcrop 50 m S

Outcrop geology mafic volcanic

Shovel pit

Road cut ✓

Other exposure

Est. OB thickness 7-3m

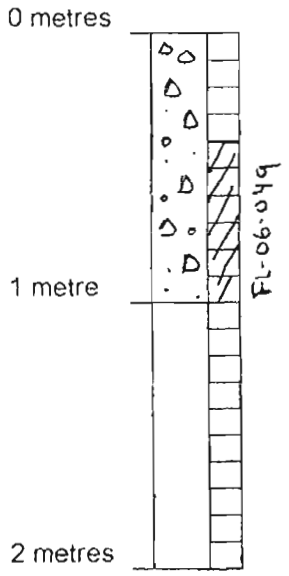
Additional notes near site 26

SURFICIAL GEOLOGY

Topography undulating, hummocky

Surficial material supraglacial till with 50% granitoid and 50% mafic boulders perched and partially submerged

Section/Sample Interval



0-0.4m: supraglacial till, bouldery

0.4-1.0m: subglacial till, matrix supported

SAMPLE MATERIAL

Classification subglacial till

Structure massive, compact, matrix supported

Clasts:

Size range 1 to 15 cm

% of sample 30%

Shape subangular

Lithology 60% mafic volcanic, 40% granitoid

Matrix:

% of sample 70%

Colour beige to grey-beige

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-050 COLLECTED BY: HOZJAN DATE: July 31/06

LOCATION

NTS map no. 52 c/13

Geology map no. 2325

Airphoto no. 95-4831C 17-73

UTM co-ord. NAD83 0434865 E
(zone 15) 5419074 N

Ice distance to outcrop 20m S

Outcrop geology mafic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 1.5m

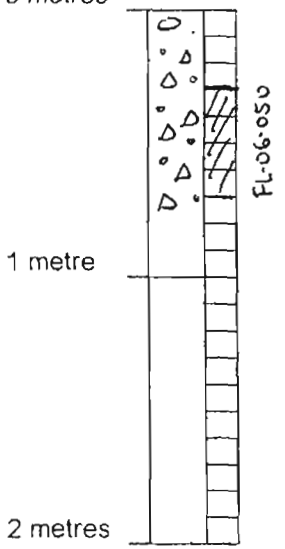
Additional notes flat lying area, south of logging road near site 28

SURFICIAL GEOLOGY

Topography moderately undulating bedrock hill top

Surficial material minor supraglacial till, mainly perched boulders, occasional partially submerged

Section/Sample Interval



0-0.3m : supraglacial till, bouldery

0.3 to 0.7m : subglacial till, abundant smaller clasts

SAMPLE MATERIAL

Classification subglacial till

Structure massive, clast supported, moderately compact.

Clasts:
Size range 1 to 10 cm

% of sample 60%

Shape subangular

Lithology 60% mafic volcanic, 40% granitoid

Matrix:
% of sample 40%

Colour yellow-ochre to grey-beige

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-051 COLLECTED BY: HOZJAN DATE: July 31/06

LOCATION

NTS map no. 52 c/13

Geology map no. 2325

Airphoto no. 95-4831C 17-75

UTM co-ord. NAD83 (zone 15) 0435307 E, 5419140 N

Ice distance to outcrop 5 m W

Outcrop geology mafic volcanic

Shovel pit

Road cut ✓

Other exposure

Est. OB thickness ?3m

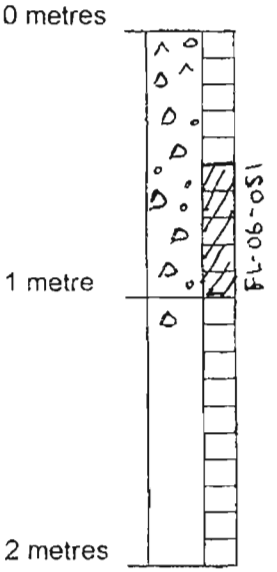
Additional notes near site 29

SURFICIAL GEOLOGY

Topography moderately undulating bedrock surface

Surficial material minor supraglacial till, with partially submerged boulders (70% granitoid, 30% mafic)

Section/Sample Interval



0-0.2m : organics and supraglacial till, B-horizon

0.2-0.5m : very bouldery supraglacial till

0.5-1.0m : subglacial till, fewer large clasts

SAMPLE MATERIAL

Classification subglacial till

Structure massive, compact, clast supported

Clasts:

Size range 1 to 20cm

% of sample 60%

Shape subangular

Lithology 60% mafic volcanic, 40% granitoid

Matrix:

% of sample 40%

Colour beige

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-052 COLLECTED BY: HOZJAN DATE: July 31/06

LOCATION

NTS map no. 52 c/13

Geology map no. 2325

Airphoto no. 95-4831c 17-75

UTM co-ord. NAD83 (zone 15) 0436 274 E, 5418 822 N

Ice distance to outcrop 20m E

Outcrop geology mafic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 7

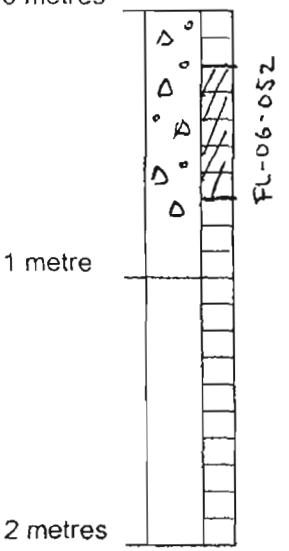
Additional notes near site 31 on flat, bulldozer scraped area; supraglacial till removed

SURFICIAL GEOLOGY

Topography moderately undulating with bedrock locally at or close to surface

Surficial material minor supraglacial and subglacial till at surface, many perched boulders

Section/Sample Interval



0-0.7m: subglacial till, very compact

SAMPLE MATERIAL

Classification subglacial till

Structure very compact, matrix to clast supported

Clasts:

Size range 1 to 10cm

% of sample 40%

Shape subangular

Lithology 80% mafic volcanic, 20% granitoid

Matrix:

% of sample 60%

Colour grey-beige to grey

Grain size class very fine sand and silt with clay/silt lumps

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: Off Lake SAMPLE NO.: FL-06-053 COLLECTED BY: HOZJAN DATE: July 31/06

LOCATION

NTS map no. 52 c/13

Geology map no. 2325

Airphoto no. 95-4831c 17-75

UTM co-ord. NAD83 (zone 15) 0436813 E, 5418845 N

Ice distance to outcrop 5m S

Outcrop geology mafic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 1.5m

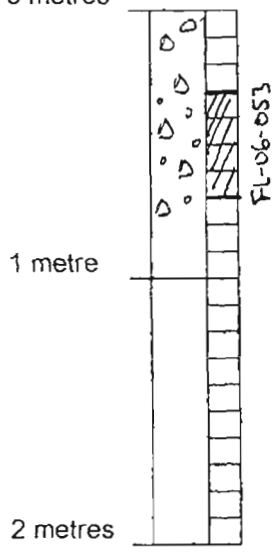
Additional notes near site 32

SURFICIAL GEOLOGY

Topography undulating, hummocky, occasional bedrock outcropping

Surficial material supraglacial till, granitoid and mafic volcanic boulders

Section/Sample Interval



0-0.3m: supraglacial till, bouldery, B-horizon

0.3-0.7m: subglacial till

SAMPLE MATERIAL

Classification subglacial till

Structure compact, massive, matrix to clast supported

Clasts:

Size range 1 to 10 cm

% of sample 60%

Shape subangular

Lithology 70% mafic volcanic, 30% granitoid

Matrix:

% of sample 40%

Colour grey-beige

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-054 COLLECTED BY: HOZJAN DATE: July 31/06

LOCATION

NTS map no. 52 c/13

Geology map no. 2325

Airphoto no. 95-4831C 17-75

UTM co-ord. NAD83 (zone 15) 0437185 E, 5419036 N

Ice distance to outcrop 5m S

Outcrop geology

Shovel pit

Road cut ✓

Other exposure

Est. OB thickness 0.7m

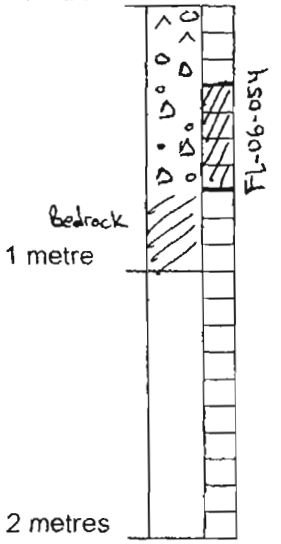
Additional notes near site 33; very little till in the area

SURFICIAL GEOLOGY

Topography undulating bedrock hilltop

Surficial material minor, local supraglacial till, mainly perched boulders at surface

Section/Sample Interval



0-0.3m: organics and supraglacial till, B-horizon

0.3-0.7m: subglacial till, matrix supported

0.7m: Bedrock - mafic volcanic

SAMPLE MATERIAL

Classification subglacial till

Structure massive, compact, matrix supported

Clasts:

Size range 1 to 10 cm

% of sample 10%

Shape subangular

Lithology 80% mafic volcanic, 20% granitoid

Matrix:

% of sample 90%

Colour grey-beige

Grain size class very fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-055 COLLECTED BY: HOZJAN DATE: July 31/06

LOCATION

NTS map no. 52 c/13

Geology map no. 2325

Airphoto no. 95-4831C 17-75

UTM co-ord. NAD83 (zone 15) 0437 586 E, 5418 999 N

Ice distance to outcrop 3m N

Outcrop geology mafic volcanic

Shovel pit

Road cut ✓

Other exposure

Est. OB thickness 2m

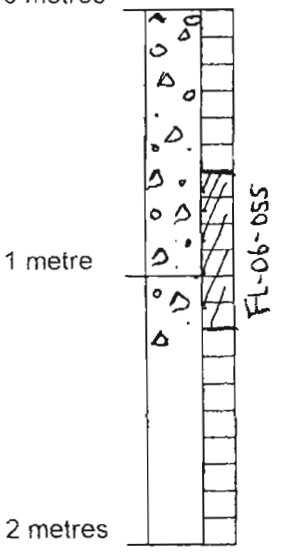
Additional notes near site 34

SURFICIAL GEOLOGY

Topography rugged, undulating bedrock knobs

Surficial material minor supraglacial till and outcrops

Section/Sample Interval



0-0.5m: supraglacial till, abundant rounded granitoid, and mafic volcanic boulders

0.5-1.2m: subglacial till, fewer large clast less oxidized

SAMPLE MATERIAL

Classification subglacial till

Structure massive, compact, clast supported

Clasts:

Size range 1 to 15 cm

% of sample 70 %

Shape subangular

Lithology 70% mafic volcanic, 30 % granitoid

Matrix:

% of sample 30%

Colour yellow - ochre

Grain size class fine sand and silt

OVERBURDEN DRILLING MANAGEMENT LIMITED
FIELD PIT SAMPLING LOG

PROJECT: OFF LAKE SAMPLE NO.: FL-06-056 COLLECTED BY: HOZJAN DATE: July 31/06

LOCATION

NTS map no. 52 c/13

Geology map no. 2325

Airphoto no. 95-4831 C 17-75

UTM co-ord. NAD83 (zone 15) 0437 564 E, 5419 417 N

Ice distance to outcrop 2m N

Outcrop geology mafic volcanic

Shovel pit ✓

Road cut

Other exposure

Est. OB thickness 0.6m

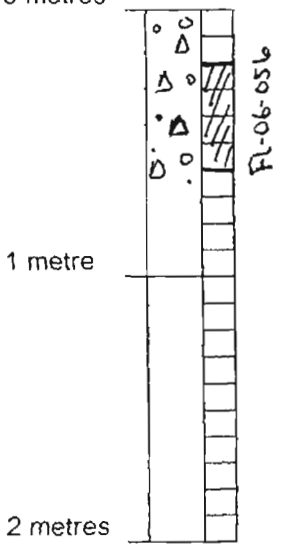
Additional notes site at the end of logging road that traverses mafic unit

SURFICIAL GEOLOGY

Topography bedrock hilltop

Surficial material minor supraglacial till, mainly bedrock outcrops

Section/Sample Interval



0-0.2m: supraglacial till, moderately bouldery

0.2-0.6m: subglacial till, less bouldery

0.6m: Bedrock - mafic volcanic

SAMPLE MATERIAL

Classification subglacial till

Structure massive, compact, clast to matrix supported

Clasts:
Size range 1 to 20cm
% of sample 50%
Shape subangular
Lithology 80% mafic volcanic, 20% granitoid

Matrix:
% of sample 50%
Colour yellow-ochre
Grain size class fine sand and silt

Appendix B

Heavy Mineral Processing Weights and Physical Characteristics of the Till Samples

[redacted]mple mber	Bulk Rec'd	Table Split	+2.0 mm Clasts	Table Feed	Total	Lights	HMC Total	HMC Non Mag	HMC Mag	Size	Percentage V/S	Percentage GR	Percentage LS	Percentage OT	Distribution S/U	Distribution SD	Distribution ST	Distribution CY	ORG	Colour SD	Colour CY	CLASS
FL-06-01	13.0	12.2	5.0	7.2	203.9			NA		C	100	0	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-02	13.1	12.3	2.7	9.6	384.5			NA		C	100	0	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-03	8.3	7.5	2.0	5.5	250.8			NA		P	100	0	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-04	10.7	9.9	2.2	7.7	270.6			NA		P	100	0	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-05	12.5	11.7	2.6	9.1	399.2			NA		P	100	0	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-06	11.1	10.3	2.0	8.3	292.1			NA		P	100	0	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-07	11.4	10.6	3.7	6.9	283.2			NA		P	100	0	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-08	9.9	9.1	1.9	7.2	235.2			NA		P	100	0	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-09	13.2	12.4	4.0	8.4	342.7			NA		P	100	0	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-10	12.0	11.2	1.9	9.3	322.9			NA		C	100	0	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-11	11.6	10.8	1.6	9.2	177.7			NA		P	100	0	0	0	U	Y	Y	-	N	LOC	LOC	TILL
FL-06-12	11.5	10.7	3.5	7.2	279.3			NA		P	100	0	0	0	U	+	Y	-	N	MOC	MOC	TILL
FL-06-13	9.9	9.1	2.0	7.1	279.0			NA		P	100	0	0	0	U	+	Y	-	N	MOC	MOC	TILL
FL-06-14	11.8	11.0	3.2	7.8	372.0			NA		P	100	0	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-15	10.6	9.8	1.6	8.2	350.7			NA		P	100	0	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-16	11.7	10.9	1.8	9.1	304.2			NA		P	100	0	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-17	11.0	10.2	2.3	7.9	343.7			NA		P	100	0	0	0	U	+	Y	-	N	MOC	MOC	TILL
FL-06-18	12.6	11.8	2.8	9.0	394.5			NA		P	100	0	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-19	11.9	11.1	3.8	7.3	287.1			NA		P	100	0	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-20	11.5	10.7	3.9	6.8	318.5			NA		C	100	0	0	0	U	+	Y	-	N	MOC	MOC	TILL
FL-06-21	12.8	12.0	3.8	8.2	375.5			NA		P	100	Tr	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-22	12.3	11.5	3.4	8.1	418.9			NA		P	100	Tr	0	0	U	+	Y	-	N	BE	LOC	TILL
FL-06-23	9.9	9.1	1.6	7.5	412.6			NA		C	100	Tr	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-24	10.5	9.7	2.0	7.7	299.6			NA		C	95	5	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-25	10.1	9.3	1.4	7.9	361.9			NA		C	100	Tr	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-26	10.9	10.1	1.3	8.8	397.1			NA		C	95	5	0	0	U	+	Y	-	N	MOC	MOC	TILL
FL-06-27	12.7	11.9	4.8	7.1	347.7			NA		P	95	5	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-28	13.5	12.7	5.3	7.4	321.9			NA		P	100	Tr	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-29	12.1	11.3	2.0	9.3	342.9			NA		P	100	Tr	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-30	10.5	9.7	1.5	8.2	201.2			NA		C	95	5	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-31	10.1	9.3	1.0	8.3	134.9			NA		C	95	5	0	0	U	Y	+	-	N	LOC	LOC	TILL
FL-06-32	11.4	10.6	5.1	5.5	253.6			NA		P	100	Tr	0	0	U	+	Y	-	N	LOC	LOC	TILL
[redacted]6-33	12.0	11.2	0.8	10.4	246.3			NA		G	30	70	0	0	U	-	+	Y	N	LOC	LOC	TILL
[redacted]6-34	10.6	9.8	0.8	9.0	197.0			NA		P	30	70	0	0	U	-	+	Y	N	LOC	LOC	TILL
FL-06-35	12.4	11.6	0.2	11.4	102.1			NA		P	40	60	0	0	U	Y	Y	Y	N	LOC	LOC	TILL
FL-06-36	13.0	12.2	2.0	10.2	197.5			NA		P	30	70	0	0	U	Y	Y	-	N	LOC	LOC	TILL
FL-06-37	10.7	9.9	1.2	8.7	113.1			NA		P	20	80	0	0	U	Y	+	Y	N	LOC	LOC	TILL
FL-06-38	11.3	10.5	1.0	9.5	194.8			NA		P	20	80	0	0	U	Y	Y	-	N	MOC	MOC	TILL
FL-06-39	10.9	10.1	1.2	8.9	138.6			NA		P	20	80	0	0	U	Y	+	Y	N	MOC	MOC	TILL
FL-06-40	12.7	11.9	1.5	10.4	204.5			NA		P	10	90	0	0	U	Y	Y	-	N	LOC	LOC	TILL
FL-06-41	11.6	10.8	0.7	10.1	170.2			NA		P	30	70	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-42	11.8	11.0	1.0	10.0	225.9			NA		P	20	80	0	0	U	+	Y	-	N	LOC	BE	TILL
FL-06-43	8.2	7.4	1.5	5.9	149.3			NA		P	100	0	0	0	U	+	Y	-	N	MOC	MOC	TILL
FL-06-44	13.5	12.7	4.5	8.2	480.4			NA		P	85	15	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-45	10.9	10.1	0.7	9.4	115.2			NA		P	30	70	0	0	U	-	Y	+	N	LOC	LOC	TILL
FL-06-46	13.5	12.7	2.0	10.7	461.7			NA		P	30	70	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-47	12.2	11.4	1.6	9.8	243.2			NA		P	40	60	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-48	11.3	10.5	1.1	9.4	161.0			NA		P	30	70	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-49	12.4	11.6	1.8	9.8	205.3			NA		P	40	60	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-50	12.0	11.2	3.0	8.2	310.3			NA		P	20	80	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-51	13.0	12.2	2.1	10.1	336.0			NA		P	30	70	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-52	12.0	11.2	1.0	10.2	286.0			NA		P	70	30	0	0	U	Y	Y	Y	N	LOC	LOC	TILL
FL-06-53	11.8	11.0	1.4	9.6	225.3			NA		P	40	60	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-54	11.0	10.2	0.8	9.4	243.1			NA		P	30	70	0	0	U	Y	Y	Y	N	LOC	LOC	TILL
FL-06-55	13.4	12.6	3.6	9.0	240.5			NA		G	70	30	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-56	10.8	10.0	1.2	8.8	207.9			NA		P	70	30	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-57	11.3	10.5	2.2	8.3	288.9			NA		G	20	80	0	0	U	+	Y	-	N	LOC	LOC	TILL
FL-06-58	13.4	12.6	4.4	8.2	334.5			NA		G	40	60	0	0	U	+	-	-	N	LOC	LOC	SANDY TILL
FL-06-59	10.2	9.4	1.1	8.3	263.4			NA		P	60	40	0	0	U	+	Y	-	N	LOC	LOC	TILL

Appendix C

Gold Grain Summary, Descriptions and Calculated Visible Gold Values for the Nonferromagnetic Heavy Mineral Fraction of the Till Samples

OVERBURDEN DRILLING MANAGEMENT LIMITED
GOLD GRAIN SUMMARY SHEET

Sample Number	Number of Visible Gold Grains				Nonmag HMC Weight (g)	Calculated PPB Visible Gold in HMC			
	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
FL-06-01	7	2	3	2	28.8	13	8	2	4
FL-06-02	20	3	9	8	38.4	137	108	17	12
FL-06-03	14	3	1	10	22	41	34	<1	7
FL-06-04	24	11	3	10	30.8	76	65	2	10
FL-06-05	11	5	2	4	36.4	481	467	3	12
FL-06-06	24	5	2	17	33.2	43	17	1	25
FL-06-07	53	15	23	15	27.6	435	198	202	35
FL-06-08	5	1	1	3	28.8	9	7	<1	2
FL-06-09	5	4	0	1	33.6	1150	1147	0	2
FL-06-10	20	15	4	1	37.2	106	95	6	5
FL-06-11	2	2	0	0	36.8	6	6	0	0
FL-06-12	8	5	3	0	28.8	15	8	7	0
FL-06-13	1	0	0	1	28.4	<1	0	0	<1
FL-06-14	16	13	3	0	31.2	36	33	3	0
FL-06-15	10	7	3	0	32.8	140	139	1	0
FL-06-16	4	3	1	0	36.4	1	1	<1	0
FL-06-17	7	5	2	0	31.6	5	2	3	0
FL-06-18	12	6	6	0	36.08	3	2	1	0
FL-06-19	5	0	3	2	29.2	10	0	6	4
FL-06-20	6	4	1	1	27.2	10	10	<1	<1
FL-06-21	1	1	0	0	32.8	1	1	0	0
FL-06-22	5	2	1	2	32.4	7	2	1	5
FL-06-23	26	13	5	8	30	639	622	10	8
FL-06-24	35	31	2	2	30.8	718	716	2	1
FL-06-25	16	8	8	0	31.6	35	32	3	0
FL-06-26	10	10	0	0	35.2	11	11	0	0
FL-06-27	10	5	0	5	28.4	26	19	0	7
FL-06-28	3	1	0	2	29.6	43	34	0	9
FL-06-29	23	6	5	12	37.2	86	47	9	29
FL-06-30	35	16	5	14	32.8	444	209	82	153
FL-06-31	10	7	1	2	33.2	90	83	6	1
FL-06-32	7	6	1	0	22	276	275	1	0
FL-06-33	10	3	4	3	41.6	47	23	22	3
FL-06-34	30	10	7	13	36	157	103	23	30
FL-06-35	22	3	1	18	45.6	61	39	1	22
FL-06-36	23	10	4	9	40.8	112	98	7	7
FL-06-37	7	2	2	3	34.8	755	741	11	4
FL-06-38	14	7	3	4	38	17	14	1	1
FL-06-39	7	4	1	2	35.6	77	7	10	59
FL-06-40	22	10	6	6	41.6	234	116	100	18
FL-06-41	9	4	2	3	40.4	29	12	5	12
FL-06-42	5	3	0	2	40	38	37	0	1
FL-06-43	5	1	0	4	23.6	15	3	0	11
FL-06-44	23	3	1	19	32.8	129	45	1	83
FL-06-45	3	1	0	2	37.6	1	1	0	<1
FL-06-46	8	1	4	3	42.8	23	4	11	7
FL-06-47	8	5	1	2	39.2	24	22	1	1
FL-06-48	28	10	6	12	37.6	117	77	21	19
FL-06-49	16	11	4	1	39.2	39	26	12	1
FL-06-50	41	26	12	3	32.8	237	85	38	115
FL-06-51	34	4	14	16	40.4	352	7	15	330
FL-06-52	40	16	7	17	40.8	100	64	16	19
FL-06-53	53	28	10	15	38.4	102	79	15	8
FL-06-54	4	3	1	0	37.6	3	3	<1	0
FL-06-55	24	6	8	10	36	89	50	16	23
FL-06-56	17	10	4	3	35.2	124	114	9	1
FL-06-57	11	9	1	1	33.2	38	27	<1	11
FL-06-58	38	12	11	15	32.8	524	256	21	247
FL-06-59	35	6	13	16	33.2	49	19	16	14

OVERBURDEN DRILLING MANAGEMENT LIMITED
DETAILED GOLD GRAIN SHEET

Sample Number	Panned Yes/No	Dimensions (microns)			Number of Visible Gold Grains				Nonmag HMC Weight	Calculated V.G. Assay in HMC	Remarks
		Thickness	Width	Length	Reshaped	Modified	Pristine	Total	(g)	(ppb)	
FL-06-01	No	3 C	15	15		1		1			
		5 C	25	25	1	2	1	4			
		8 C	25	50			1	1			
		10 C	50	50	1			1			
								7	28.8	13	
FL-06-02	Yes	4 C	15	25		1	2	3			No sulphides.
		5 C	25	25	1	2	3	6			
		8 C	25	50		5	2	7			
		10 C	50	50		1	1	2			
		13 C	50	75	1			1			
		50 M	75	125	1			1			
								20	38.4	137	
FL-06-03	Yes	3 C	15	15		1	6	7			No sulphides.
		4 C	15	25			3	3			
		5 C	25	25	1			1			
		8 C	25	50	1		1	2			
		15 C	50	100	1			1			
								14	22.0	41	
FL-06-04	Yes	3 C	15	15			2	2			No sulphides.
		4 C	15	25		1	2	3			
		5 C	25	25	2	2	4	8			
		8 C	25	50	3		2	5			
		10 C	50	50	3			3			
		13 C	50	75	3			3			
								24	30.8	76	
FL-06-05	No	4 C	15	25			1	1			2 grains electrum.
		5 C	25	25	1	1	1	3			
		8 C	25	50		1		1			
		10 C	50	50	1		2	3			
		13 C	50	75	1			1			
		50 M	75	125	1			1			
		75 M	125	175	1			1			
								11	36.4	481	
FL-06-06	Yes	3 C	15	15		1	1	2			No sulphides.
		4 C	15	25	1		5	6			
		5 C	25	25		1	6	7			
		8 C	25	50	2		3	5			
		10 C	50	50	2		2	4			
								24	33.2	43	
FL-06-07	Yes	3 C	15	15		1	1	2			No sulphides.
		5 C	25	25	2	5	7	14			
		8 C	25	50	5	10	5	20			
		10 C	25	75			2	2			
		10 C	50	50	2	2		4			
		13 C	50	75	4	3		7			
		18 C	50	125	1	1		2			
		22 C	75	150	1	1		2			
								53	27.6	435	
FL-06-08	No	4 C	15	25		1	1	2			
		5 C	25	25			2	2			
		10 C	50	50	1			1			
								5	28.8	9	
FL-06-09	No	8 C	25	50			1	1			
		10 C	50	50	3			3			
		100 M	200	250	1			1			
								5	33.6	1150	

OVERBURDEN DRILLING MANAGEMENT LIMITED
DETAILED GOLD GRAIN SHEET

Sample Number	Panned Yes/No	Dimensions (microns)			Number of Visible Gold Grains				Nonmag HMC Weight	Calculated V.G. Assay in HMC	Remarks
		Thickness	Width	Length	Reshaped	Modified	Pristine	Total	(g)	(ppb)	
FL-06-10	Yes	3 C	15	15	3			3			No sulphides.
		4 C	15	25	2			2			
		5 C	25	25	7	2		9			
		8 C	25	50	1	2		3			
		10 C	50	50			1	1			
		13 C	50	75	1			1			
		50 M	75	100	1			1			
								20	37.2	106	
FL-06-11	No	5 C	25	25	1			1			
		10 C	50	50	1			1			
								2	36.8	6	
FL-06-12	No	5 C	25	25	3	1		4			
		8 C	25	50	2	2		4			
								8	28.8	15	
FL-06-13	No	3 C	15	15			1	1			
								1	28.4	<1	
FL-06-14	Yes	3 C	15	15	1	2		3			No sulphides.
		4 C	15	25	1			1			
		5 C	25	25	7			7			
		8 C	25	50	1	1		2			
		10 C	25	75	1			1			
		10 C	50	50	1			1			
		13 C	50	75	1			1			
								16	31.2	36	
FL-06-15	No	3 C	15	15	2	2		4			
		5 C	25	25	2	1		3			
		13 C	50	75	2			2			
		50 M	100	100	1			1			
								10	32.8	140	
FL-06-16	No	3 C	15	15	1			1			
		4 C	15	25		1		1			
		5 C	25	25	2			2			
								4	36.4	2	
FL-06-17	No	3 C	15	15	3			3			
		5 C	25	25	2	1		3			
		8 C	25	50		1		1			
								7	31.6	5	
FL-06-18	No	3 C	15	15	4	4		8			
		4 C	15	25		2		2			
		5 C	20	25	2			2			
								12	36.1	3	
FL-06-19	No	5 C	25	25		1	1	2			
		8 C	25	50		2	1	3			
								5	29.2	10	
FL-06-20	No	2 C	10	10	2	1	1	4			
		8 C	25	50	1			1			
		10 C	25	75	1			1			
								6	27.2	10	
FL-06-21	No	5 C	25	25	1			1			
								1	32.8	1	
FL-06-22	No	5 C	25	25	2	1		3			
		8 C	25	50			2	2			
								5	32.4	7	

OVERBURDEN DRILLING MANAGEMENT LIMITED
DETAILED GOLD GRAIN SHEET

Sample Number	Panned Yes/No	Dimensions (microns)			Number of Visible Gold Grains				Nonmag HMC Weight	Calculated V.G. Assay in HMC	Remarks
		Thickness	Width	Length	Reshaped	Modified	Pristine	Total	(g)	(ppb)	
FL-06-23	Yes	2 C	10	10	2		2	4			No sulphides.
		3 C	15	15		3	4	7			
		5 C	25	25	2		1	3			
		8 C	25	50	1	1		2			
		10 C	50	50	2	1	1	4			
		13 C	50	75	1			1			
		15 C	50	100	1			1			
		22 C	50	175	1			1			
		50 M	75	125	1			1			
		75 M	75	125	2			2			
								26	30.0	639	
FL-06-24	Yes	3 C	15	15	7			7			No sulphides.
		4 C	15	25	1		2	3			
		5 C	25	25	9	2		11			
		8 C	25	50	8			8			
		10 C	50	50	3			3			
		13 C	50	75	2			2			
		100 M	150	175	1			1			
								35	30.8	718	
FL-06-25	Yes	3 C	15	15	1	5		6			No sulphides.
		4 C	15	25	2	1		3			
		5 C	25	25	2	2		4			
		10 C	50	50	1			1			
		13 C	50	75	2			2			
								16	31.6	35	
FL-06-26	No	3 C	15	15	4			4			
		4 C	15	25	1			1			
		5 C	25	25	3			3			
		8 C	25	50	1			1			
		10 C	50	50	1			1			
								10	35.2	11	
FL-06-27	No	3 C	15	15	2		2	4			
		4 C	15	25			1	1			
		8 C	25	50	2		2	4			
		13 C	50	75	1			1			
								10	28.4	26	
FL-06-28	No	8 C	25	50			1	1			
		10 C	50	50			1	1			
		18 C	75	100	1			1			
								3	29.6	43	
FL-06-29	Yes	4 C	15	25			2	2			2 grains electrum.
		5 C	25	25	1	1	3	5			
		8 C	25	50	2	4	5	11			
		10 C	50	50	1		1	2			
		13 C	50	75	1		1	2			
		18 C	75	100	1			1			
								23	37.2	86	
FL-06-30	Yes	3 C	15	15			1	1			No sulphides.
		4 C	15	25			2	2			
		5 C	25	25			3	3			
		8 C	25	50	2	2	2	6			
		25 M	25	125	1			1			
		10 C	50	50	3		2	5			
		13 C	50	75	8	1	2	11			
		25 M	50	125	1			1			
		15 C	75	75	1	1		2			
		20 C	75	125		1	1	2			
		22 C	75	150			1	1			
								35	32.8	444	

OVERBURDEN DRILLING MANAGEMENT LIMITED
DETAILED GOLD GRAIN SHEET

Sample Number	Panned Yes/No	Dimensions (microns)			Number of Visible Gold Grains				Nonmag HMC Weight	Calculated V.G. Assay in HMC	Remarks
		Thickness	Width	Length	Reshaped	Modified	Pristine	Total	(g)	(ppb)	
FL-06-31	No	4 C	15	25			1	1			
		5 C	25	25			1	1			
		8 C	25	50	1			1			
		10 C	50	50	2	1		3			
		13 C	50	75	1			1			
		15 C	50	100	1			1			
		15 C	75	75	2			2			
								10	33.2	90	
FL-06-32	No	5 C	25	25	1	1		2			
		8 C	25	50	1			1			
		10 C	50	50	1			1			
		13 C	50	75	1			1			
		15 C	75	75	1			1			
		50 M	100	125	1			1			
								7	22.0	276	
FL-06-33	No	3 C	15	15			1	1			
		5 C	25	25			1	1			
		8 C	25	50		2	1	3			
		10 C	50	50	1			1			
		13 C	50	75	2	2		4			
								10	41.6	47	
FL-06-34	Yes	3 C	15	15			2	2			1 grain electrum.
		4 C	15	25			2	2			
		5 C	25	25		1	2	3			
		8 C	25	50	2	3	3	8			
		10 C	25	75		1	3	4			
		13 C	25	100	1			1			
		10 C	50	50	4	2	1	7			
		13 C	50	75	1			1			
		18 C	75	100	2			2			
								30	36.0	157	
FL-06-35	No	3 C	15	15			6	6			
		4 C	15	25			6	6			
		5 C	25	25		1	3	4			
		8 C	25	50	1		2	3			
		10 C	50	50	1			1			
		15 C	50	100			1	1			
		20 C	75	125	1			1			
								22	45.6	61	
FL-06-36	Yes	3 C	15	15			1	1			2 grains electrum.
		4 C	15	25			1	1			
		5 C	25	25		1	5	6			
		8 C	25	50	1	3	2	6			
		10 C	50	50	2			2			
		13 C	50	75	5			5			
		15 C	50	100	1			1			
		18 C	75	100	1			1			
								23	40.8	112	
FL-06-37	No	4 C	15	25		1		1			1 grain electrum.
		5 C	25	25			2	2			
		8 C	25	50			1	1			
		13 C	50	75	1	1		2			
		75 M	175	250	1			1			
								7	34.8	755	
FL-06-38	No	2 C	10	10	1	1	1	3			
		4 C	15	25	1		2	3			
		5 C	25	25	2	2	1	5			
		8 C	25	50	1			1			
		10 C	50	50	2			2			
								14	38.0	17	

OVERBURDEN DRILLING MANAGEMENT LIMITED
DETAILED GOLD GRAIN SHEET

Sample Number	Panned Yes/No	Dimensions (microns)			Number of Visible Gold Grains				Nonmag HMC Weight	Calculated V.G. Assay in HMC	Remarks
		Thickness	Width	Length	Reshaped	Modified	Pristine	Total	(g)	(ppb)	
FL-06-39	No	3 C	15	15	1		1	2			
		5 C	25	25	2			2			
		10 C	50	50	1			1			
		13 C	50	75		1		1			
		50 M	75	75			1	1			
								7	35.6	77	
FL-06-40	Yes	3 C	15	15			1	1			No sulphides.
		5 C	25	25	4		1	5			
		8 C	25	50		1	2	3			
		10 C	25	75	2			2			
		10 C	50	50	1	3	1	5			
		13 C	50	75			1	1			
		15 C	75	75	2	1		3			
		50 M	75	100	1	1		2			
								22	41.6	234	
FL-06-41	No	5 C	25	25	1	1	1	3			1 grain electrum.
		8 C	25	50	1		1	2			
		10 C	25	75	1			1			
		10 C	50	50	1	1		2			
		13 C	50	75			1	1			
								9	40.4	29	
FL-06-42	No	4 C	15	25			1	1			
		5 C	25	25			1	1			
		8 C	25	50	1			1			
		13 C	50	75	1			1			
		18 C	75	100	1			1			
								5	40.0	38	
FL-06-43	No	5 C	25	25			3	3			
		8 C	25	50	1			1			
		10 C	50	50			1	1			
								5	23.6	15	
FL-06-44	Yes	4 C	15	25			1	1			No sulphides.
		5 C	25	25		1	5	6			
		8 C	25	50	1		4	5			
		10 C	25	75			3	3			
		10 C	50	50			3	3			
		13 C	50	75	1		3	4			
		18 C	75	100	1			1			
								23	32.8	129	
FL-06-45	No	3 C	15	15			2	2			
		5 C	25	25	1			1			
								3	37.6	1	
FL-06-46	No	4 C	15	25			1	1			
		5 C	25	25		1		1			
		8 C	25	50		1	1	2			
		10 C	50	50	1	2	1	4			
								8	42.8	23	
FL-06-47	No	4 C	15	25			1	1			
		5 C	25	25	1	1	1	3			
		8 C	25	50	1			1			
		10 C	50	50	2			2			
		13 C	50	75	1			1			
								8	39.2	24	

OVERBURDEN DRILLING MANAGEMENT LIMITED
DETAILED GOLD GRAIN SHEET

Sample Number	Panned Yes/No	Dimensions (microns)			Number of Visible Gold Grains				Nonmag HMC Weight	Calculated V.G. Assay in HMC	Remarks
		Thickness	Width	Length	Reshaped	Modified	Pristine	Total	(g)	(ppb)	
FL-06-48	No	3 C	15	15		2	1	3			
		5 C	25	25	1		5	6			
		8 C	25	50	2		5	7			
		10 C	50	50	1	4	1	6			
		13 C	50	75	5			5			
		15 C	50	100	1			1			
								28	37.6	117	
FL-06-49	No	3 C	15	15	1	1		2			
		4 C	15	25		1		1			
		5 C	25	25	6		1	7			
		8 C	25	50	3	1		4			
		13 C	50	75		1		1			
		15 C	75	75	1			1			
								16	39.2	39	
FL-06-50	Yes	3 C	15	15	1	2	2	5			No sulphides.
		4 C	15	25	3			3			
		5 C	25	25	9	3		12			
		8 C	25	50	8	5		13			
		13 C	50	75	4	2		6			
		13 C	50	75	1			1			
		50 M	75	125			1	1			
								41	32.8	237	
FL-06-51	Yes	2 C	10	10		2		2			No sulphides.
		4 C	15	25		2	7	9			
		5 C	25	25	3	6	3	12			
		8 C	25	50		3	4	7			
		10 C	50	50	1	1	1	3			
		75 M	125	175			1	1			
								34	40.4	352	
FL-06-52	Yes	2 C	10	10		1	3	4			No sulphides.
		4 C	15	25	2		7	9			
		5 C	25	25	3	1	3	7			
		8 C	25	50	6	3	3	12			
		10 C	50	50	2	2		4			
		13 C	50	75	1		1	2			
		15 C	75	75	2			2			
								40	40.8	100	
FL-06-53	Yes	2 C	10	10	1	1	4	6			No sulphides.
		4 C	15	25	5	2	6	13			
		5 C	25	25	11	4	3	18			
		8 C	25	50	7	1	2	10			
		10 C	50	50	1	2		3			
		15 C	50	100	1			1			
		15 C	75	75	2			2			
								53	38.4	102	
FL-06-54	No	3 C	15	15	1			1			
		4 C	15	25		1		1			
		5 C	25	25	1			1			
		8 C	25	50	1			1			
								4	37.6	3	
FL-06-55	Yes	2 C	10	10			1	1			No sulphides.
		4 C	15	25	3		2	5			
		5 C	25	25		3	2	5			
		8 C	25	50	1	4	2	7			
		10 C	50	50	1	1	3	5			
		20 C	50	150	1			1			
								24	36.0	89	

OVERBURDEN DRILLING MANAGEMENT LIMITED
DETAILED GOLD GRAIN SHEET

Sample Number	Panned Yes/No	Dimensions (microns)			Number of Visible Gold Grains				Nonmag HMC Weight	Calculated V.G. Assay in HMC	Remarks
		Thickness	Width	Length	Reshaped	Modified	Pristine	Total	(g)	(ppb)	
FL-06-56	Yes	3 C	15	15	3		2	5			No sulphides.
		5 C	25	25	1	2	1	4			
		8 C	25	50	1	1		2			
		10 C	50	50	2	1		3			
		13 C	50	75	1			1			
		50 M	50	100	1			1			
		18 C	75	100	1			1			
								17	35.2	124	
FL-06-57	No	4 C	15	25		1		1			
Duplicate		5 C	25	25	3			3			
of No. 14		8 C	25	50	3			3			
		10 C	50	50	3			3			
		13 C	50	75			1	1			
								11	33.2	39	
FL-06-58	Yes	2 C	10	10			2	2			No sulphides.
Duplicate		4 C	15	25	1	3	2	6			
of No. 44		5 C	25	25	3	2	2	7			
		8 C	25	50	3	5	4	12			
		10 C	50	50	1	1	1	3			
		13 C	50	75	1		1	2			
		15 C	75	75	1		2	3			
		18 C	75	100	1			1			
		50 M	100	150	1		1	2			
								38	32.8	524	
FL-06-59	Yes	2 C	10	10		1		1			No sulphides.
Duplicate		4 C	15	25	1	5	7	13			
of No. 56		5 C	25	25		4	6	10			
		8 C	25	50	3	2	3	8			
		10 C	50	50	2	1		3			
								35	33.2	49	

Appendix D

Geochemical Analyses for the -0.063 mm Clay/Silt Fraction

Element	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sn	Sr	Ta	Th
Unit	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
Detection Limit	2	5	0.5	50	0.5	1	1	5	1	0.01	1	1	5	1	0.01	20	15	0.1	0.1	3	0.02	0.05	0.5	0.2
Analysis Method	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA
FL06-01	< 2	< 5	2.6	380	1.7	< 1	15	98	2	3.32	3	< 1	< 5	< 1	1.48	< 20	< 15	0.2	11.8	< 3	< 0.02	< 0.05	< 0.5	2.8
Standard 1	< 2	< 5	5.5	500	5	< 1	24	62	4	3.61	9	< 1	< 5	7	1.47	< 20	73	0.5	14.8	< 3	< 0.02	< 0.05	1.4	6.5
FL06-02	3	< 5	1.7	330	2	2	15	95	3	3.79	3	< 1	< 5	< 1	1.57	< 20	45	0.2	15.5	< 3	< 0.02	< 0.05	< 0.5	2.5
FL06-03	9	< 5	6.2	< 50	2.3	< 1	36	169	< 1	6.42	2	< 1	< 5	< 1	0.91	< 20	< 15	< 0.1	25.7	< 3	< 0.02	< 0.05	< 0.5	1.5
FL06-04	12	< 5	3.5	120	2.2	< 1	16	116	1	3.79	3	< 1	< 5	< 1	1.59	< 20	< 15	0.2	14.8	< 3	< 0.02	< 0.05	< 0.5	3.1
FL06-05	< 2	< 5	1.4	370	< 0.5	3	19	86	3	3.27	3	< 1	< 5	< 1	1.97	< 20	60	< 0.1	10.6	< 3	< 0.02	< 0.05	< 0.5	1.8
FL06-06	9	< 5	3.1	410	< 0.5	< 1	13	107	2	3.21	3	< 1	< 5	< 1	1.88	< 20	49	< 0.1	10.4	< 3	< 0.02	< 0.05	< 0.5	2.2
FL06-07	16	< 5	5.3	280	3.5	1	17	119	1	3.94	3	< 1	< 5	< 1	1.37	< 20	34	0.3	10.8	< 3	< 0.02	< 0.05	< 0.5	2.6
FL06-08	< 2	< 5	3.2	370	3	< 1	22	222	< 1	4.14	3	< 1	< 5	< 1	1.29	< 20	49	0.4	14.2	< 3	< 0.02	< 0.05	< 0.5	2.6
FL06-09	7	< 5	7.2	330	< 0.5	2	15	91	2	3.1	4	< 1	< 5	< 1	1.78	< 20	< 15	0.3	10.8	< 3	< 0.02	< 0.05	< 0.5	3.2
FL06-10	< 2	< 5	2.5	370	1.9	1	12	80	1	2.53	4	< 1	< 5	2	1.99	< 20	< 15	< 0.1	9.4	< 3	< 0.02	< 0.05	< 0.5	2.2
FL06-11	< 2	< 5	2.5	450	2	2	13	95	3	3.01	4	< 1	< 5	< 1	1.81	< 20	76	< 0.1	10.9	< 3	< 0.02	< 0.05	< 0.5	2.5
FL06-12	24	< 5	3.7	310	3.1	3	11	332	2	4.82	3	< 1	< 5	22	1.41	< 20	51	0.4	15.1	< 3	< 0.02	< 0.05	< 0.5	2.5
FL06-13	< 2	< 5	2.2	280	3	< 1	13	74	3	3.01	4	< 1	< 5	2	1.3	< 20	< 15	0.2	9.7	< 3	< 0.02	< 0.05	< 0.5	3
FL06-14	4	< 5	1	440	1.4	1	10	85	2	2.36	5	< 1	< 5	2	1.75	< 20	43	0.3	9.4	< 3	< 0.02	< 0.05	< 0.5	2.4
Duplicate of FL06-14	< 2	< 5	2	320	2.1	2	12	108	2	2.78	5	< 1	< 5	< 1	1.85	< 20	62	0.3	9.8	< 3	< 0.02	< 0.05	< 0.5	2.8
FL06-15	< 2	< 5	2.5	300	2.7	1	14	95	2	3.18	4	< 1	< 5	< 1	1.8	< 20	43	0.3	12.1	< 3	< 0.02	< 0.05	1.5	4
FL06-16	< 2	< 5	1.9	250	1.8	1	13	85	2	2.68	4	< 1	< 5	< 1	1.68	< 20	58	0.3	10.7	< 3	< 0.02	< 0.05	< 0.5	3.3
FL06-17	4	< 5	1.7	390	1.9	< 1	9	74	2	2.38	3	< 1	< 5	< 1	1.52	< 20	56	0.3	8.9	< 3	< 0.02	< 0.05	< 0.5	2
FL06-18	8	< 5	3	270	1.5	< 1	8	67	< 1	2.39	3	< 1	< 5	< 1	1.85	< 20	< 15	< 0.1	6.9	< 3	< 0.02	< 0.05	< 0.5	2
FL06-19	6	< 5	2.8	390	< 0.5	< 1	13	71	2	2.61	4	< 1	< 5	< 1	1.62	< 20	52	0.2	9.1	< 3	< 0.02	< 0.05	< 0.5	2.3
FL06-20	11	< 5	3	270	2.3	< 1	22	61	1	5.88	3	< 1	< 5	< 1	1.27	< 20	< 15	0.4	22.1	< 3	< 0.02	< 0.05	< 0.5	2.5
FL06-21	7	< 5	2.8	410	3	2	11	55	3	2.54	6	< 1	< 5	< 1	1.4	< 20	37	0.3	8.5	< 3	< 0.02	< 0.05	1.1	3.9
FL06-22	4	< 5	0.8	290	1.1	< 1	27	103	2	3.4	2	< 1	< 5	< 1	1.43	< 20	< 15	< 0.1	15.1	< 3	< 0.02	< 0.05	< 0.5	1
FL06-23	< 2	< 5	1.3	390	< 0.5	< 1	5	64	2	1.53	6	< 1	< 5	3	1.22	< 20	61	0.3	8	< 3	< 0.02	< 0.05	< 0.5	3.8
FL06-24	5	< 5	2.2	320	2.8	2	12	87	3	2.74	4	< 1	< 5	< 1	1.55	120	72	0.2	11.1	< 3	< 0.02	< 0.05	< 0.5	2.4
FL06-25	4	< 5	2.1	380	2.1	< 1	11	84	3	2.36	4	< 1	< 5	< 1	1.57	< 20	65	0.3	10.1	< 3	< 0.02	< 0.05	< 0.5	2.7
Standard 2	4	< 5	6.3	500	5.8	1	23	57	4	3.49	9	< 1	< 5	< 1	1.42	< 20	60	0.5	14.2	< 3	< 0.02	< 0.05	< 0.5	6.1
FL06-26	7	< 5	1.9	480	2.5	1	12	89	3	2.58	5	< 1	< 5	< 1	1.51	< 20	86	< 0.1	9	< 3	< 0.02	< 0.05	< 0.5	3.5
FL06-27	6	< 5	2.7	410	1.8	1	11	98	3	2.62	4	< 1	< 5	3	1.73	< 20	< 15	0.3	9.2	< 3	< 0.02	< 0.05	< 0.5	2.3
FL06-28	12	< 5	6.2	310	2.8	< 1	14	71	2	3.15	5	< 1	< 5	< 1	1.38	< 20	51	0.2	9.1	< 3	< 0.02	< 0.05	< 0.5	3
FL06-29	< 2	< 5	2.3	330	< 0.5	1	12	78	2	2.84	5	< 1	< 5	< 1	1.54	< 20	45	0.3	10.3	< 3	< 0.02	< 0.05	< 0.5	2.8
FL06-30	5	< 5	1.7	440	2.1	2	10	68	3	2.57	5	< 1	< 5	4	1.48	< 20	43	< 0.1	10	< 3	< 0.02	< 0.05	< 0.5	2.7

Element	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sn	Sr	Ta	Th
Unit	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
Detection Limit	2	5	0.5	50	0.5	1	1	5	1	0.01	1	1	5	1	0.01	20	15	0.1	0.1	3	0.02	0.05	0.5	0.2
Analysis Method	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA
FL06-31	< 2	< 5	1.8	340	1.2	< 1	11	82	2	2.31	4	< 1	< 5	< 1	1.72	< 20	46	< 0.1	10.3	< 3	< 0.02	< 0.05	< 0.5	2.2
FL06-32	< 2	< 5	3.1	360	1.6	1	15	70	3	3.3	4	< 1	< 5	< 1	1.65	< 20	65	0.4	10.1	< 3	< 0.02	< 0.05	< 0.5	2.6
FL06-33	3	< 5	1.6	470	< 0.5	2	10	79	3	2.46	4	< 1	< 5	< 1	1.71	< 20	69	0.3	10	< 3	< 0.02	< 0.05	< 0.5	4.6
FL06-34	< 2	< 5	1.1	360	< 0.5	< 1	11	88	2	2.65	4	< 1	< 5	< 1	1.92	< 20	< 15	0.1	11.4	< 3	< 0.02	0.06	< 0.5	2.2
FL06-35	5	< 5	2.2	430	< 0.5	1	13	87	2	2.77	3	< 1	< 5	< 1	1.66	< 20	< 15	0.3	11.6	< 3	< 0.02	< 0.05	< 0.5	3.3
FL06-36	< 2	< 5	1.9	360	< 0.5	2	17	116	2	3.45	3	< 1	< 5	< 1	1.86	< 20	34	0.2	14.1	< 3	< 0.02	< 0.05	< 0.5	2.1
FL06-37	7	< 5	2.6	450	< 0.5	< 1	13	98	3	3.06	4	< 1	< 5	1	1.55	< 20	81	0.3	12.4	< 3	< 0.02	< 0.05	< 0.5	3.5
FL06-38	8	< 5	3.1	550	< 0.5	< 1	12	86	3	2.91	4	< 1	< 5	< 1	1.44	< 20	87	0.2	10.7	< 3	< 0.02	< 0.05	< 0.5	5.5
FL06-39	< 2	< 5	2.8	540	1.9	3	12	81	3	2.87	4	< 1	< 5	2	1.91	< 20	96	0.3	10.1	< 3	< 0.02	< 0.05	< 0.5	3.4
FL06-40	< 2	< 5	2.4	450	1.8	2	11	86	3	2.81	4	< 1	< 5	< 1	2.04	< 20	56	0.3	11.1	< 3	< 0.02	< 0.05	1.2	3.4
FL06-41	< 2	< 5	2.3	540	2.5	< 1	10	76	3	2.43	6	< 1	< 5	< 1	1.54	< 20	118	0.4	10	< 3	< 0.02	< 0.05	< 0.5	6.3
FL06-42	< 2	< 5	2.1	450	< 0.5	1	7	67	2	1.97	7	< 1	< 5	< 1	1.69	< 20	52	0.3	8.4	< 3	< 0.02	< 0.05	< 0.5	5.3
FL06-43	9	< 5	7.7	280	18	< 1	8	61	3	3.63	5	< 1	< 5	3	1.11	< 20	39	0.5	6.9	< 3	< 0.02	< 0.05	< 0.5	4.9
FL06-44	14	< 5	6.1	480	3.6	1	25	111	3	4.06	5	< 1	< 5	3	1.66	< 20	93	< 0.1	12.2	< 3	< 0.02	< 0.05	< 0.5	5.4
Duplicate of FL06-44	26	< 5	7.6	370	3.8	2	26	124	2	4.31	5	< 1	< 5	< 1	1.48	< 20	59	0.5	14.1	< 3	< 0.02	< 0.05	1	6
FL06-45	7	< 5	2.8	360	< 0.5	< 1	14	86	3	3.32	3	< 1	< 5	< 1	1.87	< 20	63	0.4	12.8	< 3	< 0.02	< 0.05	< 0.5	4.6
FL06-46	7	< 5	5.4	400	8.9	3	14	76	2	3.19	4	< 1	< 5	< 1	1.86	< 20	< 15	< 0.1	12.4	< 3	< 0.02	< 0.05	< 0.5	3.7
FL06-47	3	< 5	3.7	380	1.8	1	16	89	2	3.65	4	< 1	< 5	< 1	2	< 20	< 15	0.3	13.1	< 3	< 0.02	< 0.05	< 0.5	2.4
FL06-48	33	< 5	2.1	240	1.6	< 1	14	83	< 1	3.23	4	< 1	< 5	< 1	2.04	< 20	46	< 0.1	13.3	< 3	< 0.02	< 0.05	< 0.5	2.8
FL06-49	< 2	< 5	2.8	350	< 0.5	2	16	90	2	3.39	3	< 1	< 5	< 1	1.82	< 20	40	0.3	12.6	< 3	< 0.02	< 0.05	< 0.5	2.4
FL06-50	7	< 5	2.3	350	2	2	18	114	2	3.76	3	< 1	< 5	< 1	1.52	< 20	46	< 0.1	14.2	< 3	< 0.02	< 0.05	< 0.5	1.8
FL06-51	< 2	< 5	3.2	430	2.6	2	22	106	4	4.55	3	< 1	< 5	< 1	1.91	< 20	64	0.2	15.5	< 3	< 0.02	< 0.05	< 0.5	3.8
Standard 3	< 2	< 5	6.3	620	6	2	26	63	4	4	11	< 1	< 5	< 1	1.6	< 20	56	0.5	15.6	< 3	< 0.02	< 0.05	< 0.5	7.2
FL06-52	25	< 5	3.4	360	< 0.5	2	15	102	2	3.82	3	< 1	< 5	< 1	1.65	< 20	54	< 0.1	14.2	< 3	< 0.02	< 0.05	1.5	3.9
FL06-53	6	< 5	3.2	370	< 0.5	1	20	112	2	4.37	4	< 1	< 5	< 1	1.66	< 20	54	< 0.1	16.2	< 3	< 0.02	< 0.05	< 0.5	2.4
FL06-54	5	< 5	2.7	370	1.7	2	16	101	2	3.37	3	< 1	< 5	< 1	2.01	< 20	< 15	0.3	13.1	< 3	< 0.02	< 0.05	< 0.5	2.1
FL06-55	< 2	< 5	3.3	210	1.6	< 1	19	135	< 1	4.1	3	< 1	< 5	< 1	1.78	< 20	56	0.2	14.3	< 3	< 0.02	< 0.05	< 0.5	2.2
FL06-56	6	< 5	3	320	< 0.5	2	17	117	2	4.06	3	< 1	< 5	< 1	1.73	< 20	43	0.4	14.9	< 3	< 0.02	< 0.05	1.4	2.2
Duplicate of FL06-56	14	< 5	4.3	270	3.2	< 1	18	153	1	4.34	3	< 1	< 5	< 1	1.77	< 20	44	0.4	16.3	< 3	< 0.02	< 0.05	1.4	2.6

Element	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	S
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.5	1	50	0.5	3	5	0.1	0.2	0.5	0.2	0.05		0.2	0.5	1	2	2	1	2	1	0.001
Analysis Method	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
FL06-01	< 0.5	< 1	< 50	13.1	22	8	2.1	0.6	< 0.5	1.3	0.2	26.3	< 0.2	< 0.5	17	525	< 2	44	9	72	0.01
Standard 1	5.5	< 1	190	29.9	53	27	7	1.7	1	3.6	0.61	30.8	0.2	< 0.5	114	432	4	91	19	187	0.126
FL06-02	1	< 1	< 50	11.7	21	8	2.2	0.7	< 0.5	1.4	0.29	30.3	< 0.2	< 0.5	52	452	< 2	43	7	67	0.006
FL06-03	< 0.5	< 1	120	9.3	17	8	2.1	0.7	< 0.5	1.7	0.25	30.5	0.3	< 0.5	149	1740	< 2	72	12	153	0.004
FL06-04	1.4	< 1	70	18.2	31	14	3.4	1	< 0.5	1.6	0.29	30	< 0.2	< 0.5	91	642	< 2	37	9	89	0.004
FL06-05	< 0.5	< 1	670	9.1	24	5	1.6	0.5	< 0.5	0.9	0.14	31.9	0.4	0.5	23	430	< 2	38	35	768	0.007
FL06-06	< 0.5	< 1	90	10.2	22	10	1.7	0.5	< 0.5	0.9	0.13	31.3	< 0.2	< 0.5	153	328	< 2	39	7	57	0.004
FL06-07	< 0.5	< 1	80	11.1	21	9	1.8	0.6	< 0.5	0.9	0.17	30.7	< 0.2	< 0.5	42	460	< 2	40	10	101	0.011
FL06-08	1	< 1	120	11.3	21	7	1.8	0.5	< 0.5	1.1	0.21	27.8	< 0.2	< 0.5	33	386	< 2	47	9	85	0.008
FL06-09	1.5	< 1	60	11.4	27	9	2	0.7	< 0.5	1.1	0.19	31	0.2	< 0.5	34	295	< 2	34	5	68	0.009
FL06-10	1.1	< 1	100	8.9	17	8	1.5	0.5	< 0.5	0.9	0.19	30.5	0.3	< 0.5	15	192	< 2	23	5	53	0.007
FL06-11	0.9	< 1	80	12.5	24	11	2	0.6	< 0.5	1.1	0.2	32.1	< 0.2	< 0.5	13	257	< 2	29	8	98	0.007
FL06-12	1.2	< 1	120	9.3	18	7	1.5	0.6	< 0.5	0.9	0.16	30.1	0.3	< 0.5	416	316	26	64	11	86	0.011
FL06-13	1.1	< 1	110	12.9	27	9	1.8	0.6	< 0.5	1.2	0.23	31.3	< 0.2	< 0.5	35	267	< 2	28	9	85	0.009
FL06-14	< 0.5	< 1	60	12.2	26	12	2	0.6	< 0.5	1.3	0.21	30.1	< 0.2	< 0.5	8	247	< 2	24	5	55	0.007
Duplicate of FL06-14	2.1	< 1	80	12.9	26	9	2	0.6	< 0.5	1.1	0.23	30.1	< 0.2	< 0.5	12	320	< 2	33	6	61	0.007
FL06-15	1.5	< 1	110	17.8	35	14	2.7	0.9	< 0.5	1.2	0.23	30.6	< 0.2	< 0.5	24	454	< 2	29	7	67	0.007
FL06-16	1.5	< 1	90	13.4	25	9	2	0.7	< 0.5	1.2	0.23	30.3	< 0.2	< 0.5	12	416	< 2	28	6	64	0.005
FL06-17	< 0.5	< 1	90	10.7	19	8	1.7	0.5	< 0.5	1.1	0.2	30.2	< 0.2	< 0.5	8	264	< 2	22	5	75	0.006
FL06-18	< 0.5	< 1	60	11.1	21	9	1.7	0.5	< 0.5	0.6	0.11	30	0.2	< 0.5	19	248	< 2	17	4	41	0.004
FL06-19	< 0.5	< 1	90	12.8	24	9	1.9	0.5	< 0.5	1	0.19	30.3	< 0.2	< 0.5	9	290	< 2	19	6	64	0.012
FL06-20	< 0.5	< 1	90	15.5	31	13	3.7	1.3	< 0.5	2.5	0.41	30.2	0.2	< 0.5	112	986	< 2	24	10	101	0.007
FL06-21	1.5	< 1	80	15.4	27	13	2.3	0.7	< 0.5	1.5	0.25	30.2	< 0.2	< 0.5	15	269	< 2	16	7	54	0.014
FL06-22	0.8	< 1	< 50	7.9	13	< 5	1.3	0.5	< 0.5	1	0.17	30	< 0.2	< 0.5	59	292	< 2	45	6	101	0.005
FL06-23	1.2	< 1	< 50	15.9	29	11	2.2	0.6	< 0.5	1.7	0.29	30.6	< 0.2	< 0.5	4	121	< 2	11	7	31	0.009
FL06-24	1.4	< 1	100	12.4	21	8	2	0.7	< 0.5	1.2	0.25	30.6	< 0.2	< 0.5	12	238	< 2	26	6	51	0.009
FL06-25	1.5	< 1	100	13.9	24	11	2.2	0.7	< 0.5	1.4	0.22	30.7	< 0.2	< 0.5	9	203	< 2	24	7	38	0.01
Standard 2	5.2	< 1	130	29	55	27	6.7	1.6	0.9	3.6	0.59	31	0.2	< 0.5	99	350	3	84	18	162	0.119
FL06-26	1.2	< 1	< 50	13.8	24	9	2	0.6	< 0.5	1.3	0.26	30.1	< 0.2	< 0.5	8	482	< 2	22	5	69	0.009
FL06-27	0.7	< 1	60	10.5	20	6	1.7	0.6	< 0.5	1	0.17	30.2	< 0.2	< 0.5	16	411	< 2	30	5	84	0.009
FL06-28	< 0.5	< 1	< 50	10.6	22	9	1.9	0.6	< 0.5	1.5	0.21	28.8	< 0.2	< 0.5	35	323	< 2	29	5	67	0.009
FL06-29	1.3	< 1	110	11.6	21	8	1.9	0.6	< 0.5	1.3	0.23	30.7	< 0.2	< 0.5	11	242	< 2	24	7	62	0.009
FL06-30	1.4	< 1	< 50	13.2	23	12	2	0.6	< 0.5	1.4	0.24	31.1	< 0.2	< 0.5	9	295	< 2	17	6	35	0.012

Element	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	S
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Detection Limit	0.5	1	50	0.5	3	5	0.1	0.2	0.5	0.2	0.05		0.2	0.5	1	2	2	1	2	1	0.001
Analysis Method	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
FL06-31	1.3	< 1	60	12	22	10	1.9	0.6	< 0.5	1.2	0.2	32.2	< 0.2	< 0.5	7	289	< 2	20	6	36	0.005
FL06-32	< 0.5	< 1	90	12	23	9	2	0.4	< 0.5	1.4	0.25	30.8	< 0.2	< 0.5	13	330	< 2	24	7	89	0.011
FL06-33	< 0.5	< 1	60	16.6	31	11	2.4	0.7	< 0.5	1.3	0.25	31.2	< 0.2	< 0.5	5	275	< 2	25	7	55	0.005
FL06-34	1.1	< 1	60	11.1	20	8	1.9	0.6	< 0.5	1.1	0.21	30.1	< 0.2	< 0.5	16	205	< 2	25	4	51	0.003
FL06-35	0.9	< 1	110	13.5	25	11	2.1	0.7	< 0.5	1.3	0.22	31.6	< 0.2	< 0.5	12	417	< 2	27	5	64	0.006
FL06-36	0.9	< 1	70	12.2	23	11	2.1	0.7	< 0.5	1.4	0.2	30.6	< 0.2	< 0.5	15	325	< 2	36	7	61	0.003
FL06-37	1.7	< 1	80	15.9	29	13	2.3	0.8	< 0.5	1.6	0.31	30.2	< 0.2	< 0.5	9	266	< 2	27	5	58	0.005
FL06-38	1.7	< 1	80	17	39	10	2.1	0.6	< 0.5	1.1	0.25	30.5	< 0.2	< 0.5	12	373	< 2	30	10	57	0.007
FL06-39	1.2	< 1	< 50	14.3	26	12	2.3	0.7	< 0.5	1.4	0.22	30	< 0.2	< 0.5	27	270	< 2	27	7	69	0.008
FL06-40	0.6	< 1	90	13.4	23	11	2.2	0.8	< 0.5	1.3	0.25	30.2	< 0.2	< 0.5	12	236	< 2	24	6	54	0.004
FL06-41	1.8	< 1	< 50	24.8	39	17	3.5	1	< 0.5	1.8	0.3	30.9	< 0.2	< 0.5	15	250	< 2	23	8	40	0.008
FL06-42	1.4	< 1	< 50	16.4	29	12	2.2	0.7	< 0.5	1.2	0.24	30.6	< 0.2	< 0.5	9	96	< 2	14	5	22	0.007
FL06-43	2.6	< 1	110	14.6	24	11	2	0.5	< 0.5	1	0.2	26.7	< 0.2	< 0.5	114	133	4	19	12	63	0.037
FL06-44	0.9	< 1	< 50	17.9	56	12	2.8	0.7	< 0.5	1.6	0.29	25.5	< 0.2	< 0.5	43	770	< 2	38	14	72	0.01
Duplicate of FL06-44	< 0.5	< 1	100	23.7	65	18	3.7	1.1	< 0.5	1.7	0.31	22.3	0.2	< 0.5	83	920	< 2	46	17	79	0.009
FL06-45	2.2	< 1	80	27.1	42	20	4	1.2	0.6	1.6	0.28	30.6	< 0.2	< 0.5	36	364	< 2	40	6	57	0.005
FL06-46	1.5	< 1	< 50	12.7	63	11	2.3	0.7	< 0.5	1.4	0.22	31.7	< 0.2	< 0.5	123	271	< 2	47	6	41	0.011
FL06-47	1.2	< 1	< 50	10.1	23	7	1.8	0.6	< 0.5	1.2	0.21	31.4	0.2	< 0.5	32	347	< 2	41	5	49	0.004
FL06-48	< 0.5	< 1	70	10.2	20	6	1.8	0.6	< 0.5	1.2	0.18	31.6	< 0.2	< 0.5	34	295	< 2	35	4	39	0.003
FL06-49	1.2	< 1	< 50	12.3	26	7	1.8	0.6	< 0.5	1.2	0.23	33.2	< 0.2	< 0.5	43	456	< 2	45	3	54	0.003
FL06-50	1.2	< 1	100	7.8	16	6	1.6	0.4	< 0.5	1.4	0.2	30.2	0.2	< 0.5	33	376	< 2	48	7	67	0.008
FL06-51	< 0.5	< 1	90	18.6	38	13	2.7	0.8	< 0.5	1.3	0.24	30.3	< 0.2	< 0.5	77	563	< 2	49	7	73	0.004
Standard 3	6.1	2	190	32.4	58	33	7.6	1.9	0.8	4.2	0.7	30.9	0.2	< 0.5	101	414	4	82	17	167	0.111
FL06-52	0.9	< 1	80	11.9	26	7	1.9	0.6	< 0.5	1.3	0.21	30	< 0.2	< 0.5	26	322	< 2	34	7	51	0.005
FL06-53	1.2	< 1	< 50	9.7	21	10	1.9	0.7	< 0.5	1.6	0.26	31.5	< 0.2	< 0.5	35	396	< 2	37	8	62	0.007
FL06-54	1.3	< 1	60	11.2	22	9	1.9	0.6	< 0.5	1.3	0.22	30.5	< 0.2	< 0.5	18	306	< 2	34	6	50	0.005
FL06-55	< 0.5	< 1	80	10.9	29	10	2	0.7	< 0.5	1.3	0.22	32.6	< 0.2	< 0.5	55	638	< 2	53	9	84	0.004
FL06-56	< 0.5	< 1	< 50	9.9	23	9	1.9	0.7	< 0.5	1.4	0.25	32	< 0.2	< 0.5	50	413	< 2	42	5	57	0.005
Duplicate of FL06-56	1.3	< 1	60	10.2	22	8	2	0.7	< 0.5	1.5	0.23	31.5	< 0.2	< 0.5	60	413	< 2	43	6	56	0.005