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ASSESSMENT REPORT

ON THE

LEMARE PROPERTY

Nanaimo Mining Division, British Columbia
NTS #92L/5W
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Longitude: 127° 53'

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STOW RESOURCES LTD.
Vancouver, B.C.

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GEOLOGICAL BRANCH
ASSESSMENT REPORT

December 5, 1991

22,162
Keewatin Engineering Inc.

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1.0 SUMMARY

A prospecting, geochemical sampling and geological mapping program was carried out by a three to five man field crew between June 15 and September 15, 1991 on the 216 unit LeMare Claim Group located on the northwest coast of Vancouver Island. The objective of the 1991 work program was to conduct reconnaissance style exploration in search of Island Copper type porphyry Cu-Mo-Au deposits and establish potential drill targets on the property.

The LeMare Claim Group is underlain by lower Jurassic Bonanza Supergroup volcanics intruded by coeval Island Intrusions. A major northwest trending alteration zone is present in the southwestern part of the property. Mineralization and geochemical soil anomalies are zoned over a six kilometre strike length at this alteration zone. Molybdenum soil anomalies are associated with an advanced silic-argillic-phyllic alteration core flanked by Cu-Au anomalies in transitional phyllic-potassic alteration. The outboard zone of propylitically altered Bonanza Group volcanics hosts a continuous Zn soil anomaly.

Patchy mineralization (leakage?), a zoned geochemical anomaly and a high-level, low pH alteration assemblage indicates that a mineralized porphyry system may occur at depth beneath the South Gossan Zone in the LeMare Lake Valley. Observed alteration and mineralization patterns indicate that copper values may increase at depth in the Culleett Creek Zone. Strong Cu-Mo-Au geochemical values coincident with an airborne magnetic high in the central portion of the property have not been examined and detailed work is required.

The geologic and metallogenic setting of the LeMare claims is comparable to the Island Copper mine and the Island Copper Belt deposits.

Additional detailed field work and follow-up diamond drilling is recommended to evaluate the targets identified on the LeMare claim group.

2.0 INTRODUCTION

A prospecting, geochemical sampling and geological mapping program was carried out by Keewatin Engineering Inc. on the LeMare claims between June 15, 1991 and September 15, 1991 on behalf of Stow Resources Ltd. This project was carried out by a 3 to 5 man crew as part of a larger (total 5 projects) exploration program (see Appendix II, Summary of Field Personnel). The total expenditure was $123,762.69 (see Appendix III, Statement of Expenditures).

2.1 Location and Access

The LeMare claim group is located approximately 35 km southwest of the Island Copper Mine on the northwestern coast of Vancouver Island. The property is centred at latitude 50° 25' north and longitude 127° 53' west in NTS Map Sheet #92L/5W (see Figure 1, Claim Location Map).

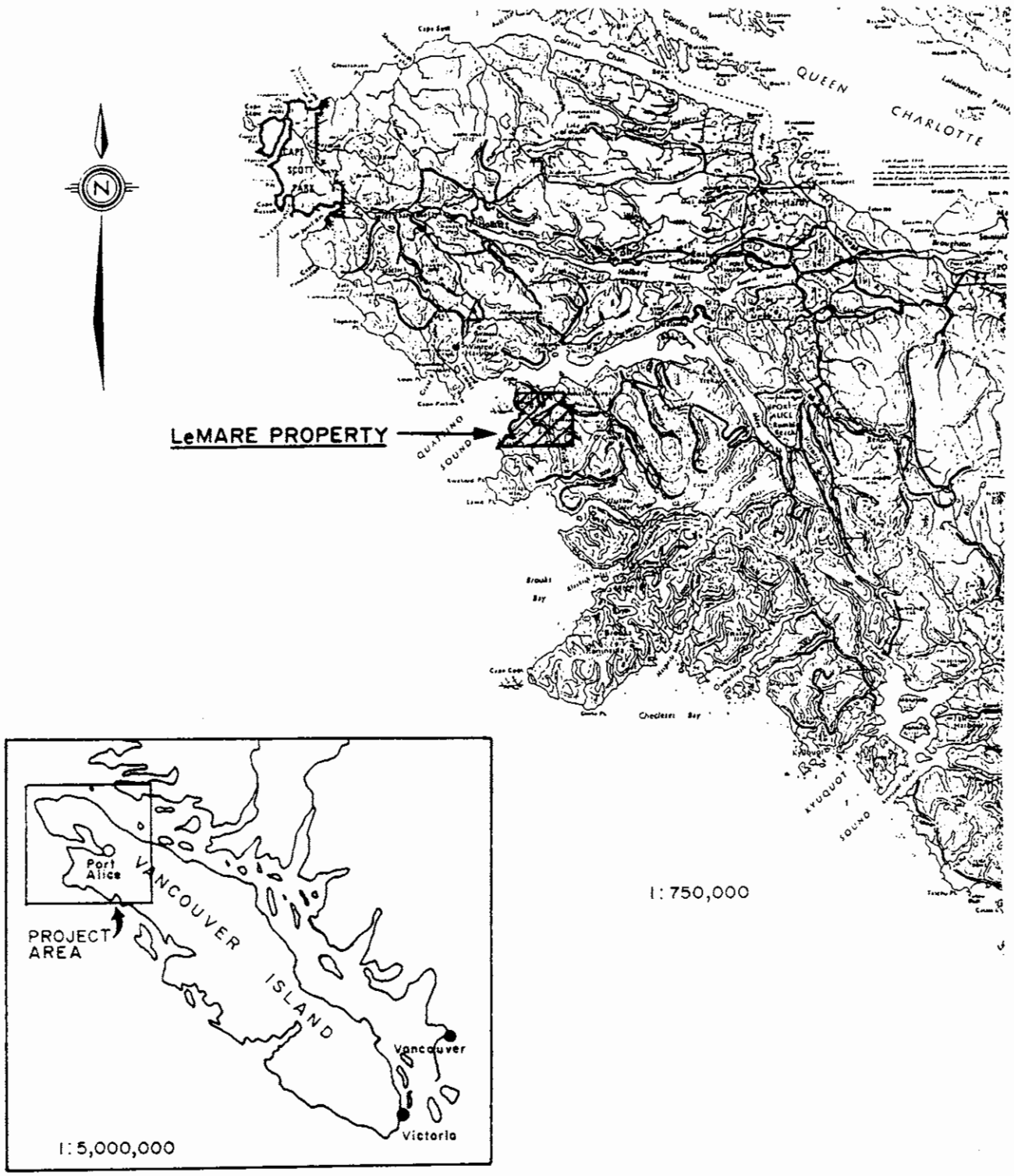
Access to the property is via approximately a 1.5 hour drive on well maintained logging roads from Port Alice, a distance of approximately 55 km. Excellent recent logging road access is available throughout the claim group with the exception of the west-central portion of the claims.

Prospective deep sea port sites appear to be ideally situated on the western portion of the claims.

2.2 Physiography and Climate

The LeMare Claims lie within the Mahatta-Kashutl Mountain ranges on the northwest Coast of Vancouver Island. Physiography is characterized by moderate relief with elevation ranges from sea level to 2500 feet in the southwestern portion of the property.

Vegetation and old growth forest consists of mature stands of coniferous forest with minor amounts of undergrowth. Approximately 50% of the property has been logged during the



LeMARE PROPERTY

LOCATION MAP

KEEWATIN ENGINEERING INC.

Figure 1

past 10 years and is in various stages of re-growth. Very dense underbrush and growth of alder occur in the logged areas.

The climate is characterized by warm wet springs and falls and cool wet winters. Precipitation dominates the weather pattern during the fall, winter and spring months. Snow, when it does fall during the winter, only stays for a matter of days. During the summer, hot dry periods can occur for durations of up to several weeks creating moderate forest fire hazard conditions.

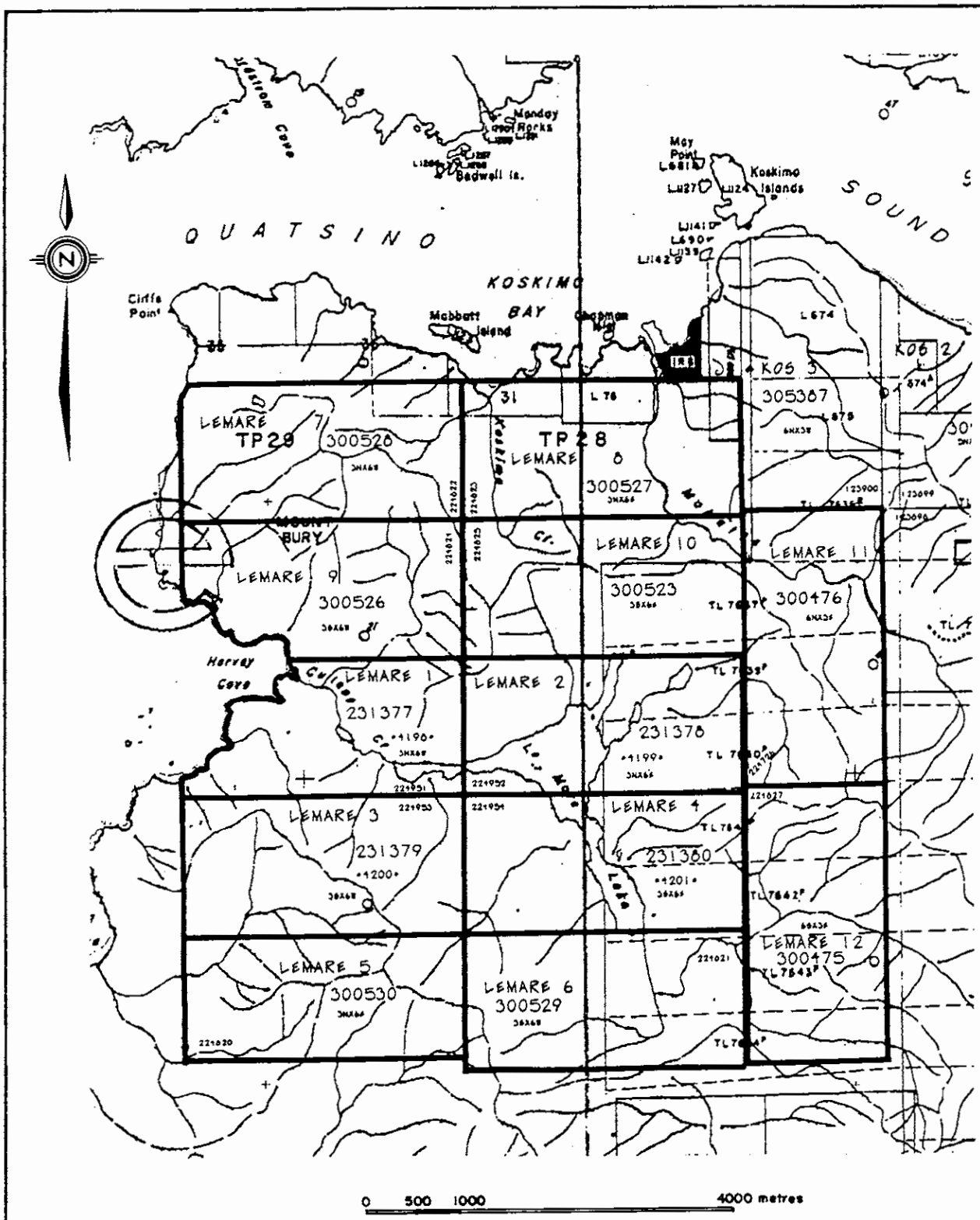
2.3 Property Status and Ownership

Stow Resources Ltd. of Vancouver, British Columbia is the 100% owner and title holder of the LeMare Claim Group (see Figure 2, Claim Location Map).

The LeMare property consists of the LeMare 1 to 12 mineral claims comprising a total of 216 claim units as follows:

TABLE 1 - CLAIM TENURE

Claim Name	No. of Units	Record No.	Record Date	Expiry Date
LeMare 1	18	231377	May 06, 1991	May 06, 1992
LeMare 2	18	231378	May 06, 1991	May 06, 1992
LeMare 3	18	231379	May 06, 1991	May 06, 1992
LeMare 4	18	231380	May 06, 1991	May 06, 1992
LeMare 5	18	300530	May 29, 1991	May 29, 1992
LeMare 6	18	300529	May 29, 1991	May 29, 1992
LeMare 7	18	300528	May 28, 1991	May 28, 1992
LeMare 8	18	300527	May 28, 1991	May 28, 1992
LeMare 9	18	300526	May 28, 1991	May 28, 1992
LeMare 10	18	300523	May 28, 1991	May 28, 1992
LeMare 11	18	300476	May 29, 1991	May 29, 1992
LeMare 12	18	300475	May 29, 1991	May 29, 1992



LeMARE PROPERTY

CLAIM LOCATION MAP

KEEWATIN ENGINEERING INC.

FIGURE 2

2.4 History of Exploration

During the late 1960's and early 1970's, exploration for porphyry Cu-Mo-Au deposits similar to the Island Copper Mine operated by BHP Utah was conducted by several companies on the western portion of Vancouver Island. The earliest reference to claim staking activity in the LeMare area is during 1970 when the Cam claims were recorded along the north shore of LeMare lake. No assessment work was filed at this time. This area was later staked by British Newfoundland Exploration during 1980 and four days of prospecting, mapping and sampling was filed as an assessment report (Prospecting Report, LeMare No. 1 and No. 2 Mineral Claims, R.J. Bilquist, 20 Nov 1980, Assessment Report No. 8593).

A compilation and research program was undertaken by Keewatin Engineering Inc. in March of 1991. During an examination of the Island Copper Belt to determine search parameters for Island Copper type deposits, it was recognized that a similar belt existed between Kyuquot Sound to the south and Quatsino Sound to the north which is referred to as the Mahatta-Kashutl belt. A Minfile search within this belt encountered references to the LeMare No. 1 and the LeMare No. 2 showings from earlier recorded assessment work. The property was considered a contingent staking target and a confirmation field examination resulted in the staking of the property in May of 1991.

2.5 Objectives of the 1991 Work Program

The objective of the 1991 work program was to conduct reconnaissance style exploration for Island Copper type deposits and establish potential drill targets on the property. Moss mat and stream sediment sampling was conducted on the entire claim group and follow-up soil geochem coverage was completed along all logging roads in the favourable belt recognized by airborne geophysics and by anomalous moss mat geochemistry. Follow-up geological mapping and surface sampling of anomalous areas was conducted on the South Gossan Zone (SGZ) and on the Culleet Creek area. Detailed work was concentrated in the northwestern and southeastern portions of this newly discovered, 6 km long alteration-mineralization trend.

3.0 GEOLOGY

3.1 Regional Geology

Northwestern Vancouver Island lies within the Wrangellia terrain of British Columbia Insular belt of British Columbia (see Figure 3, Regional Geology Map).

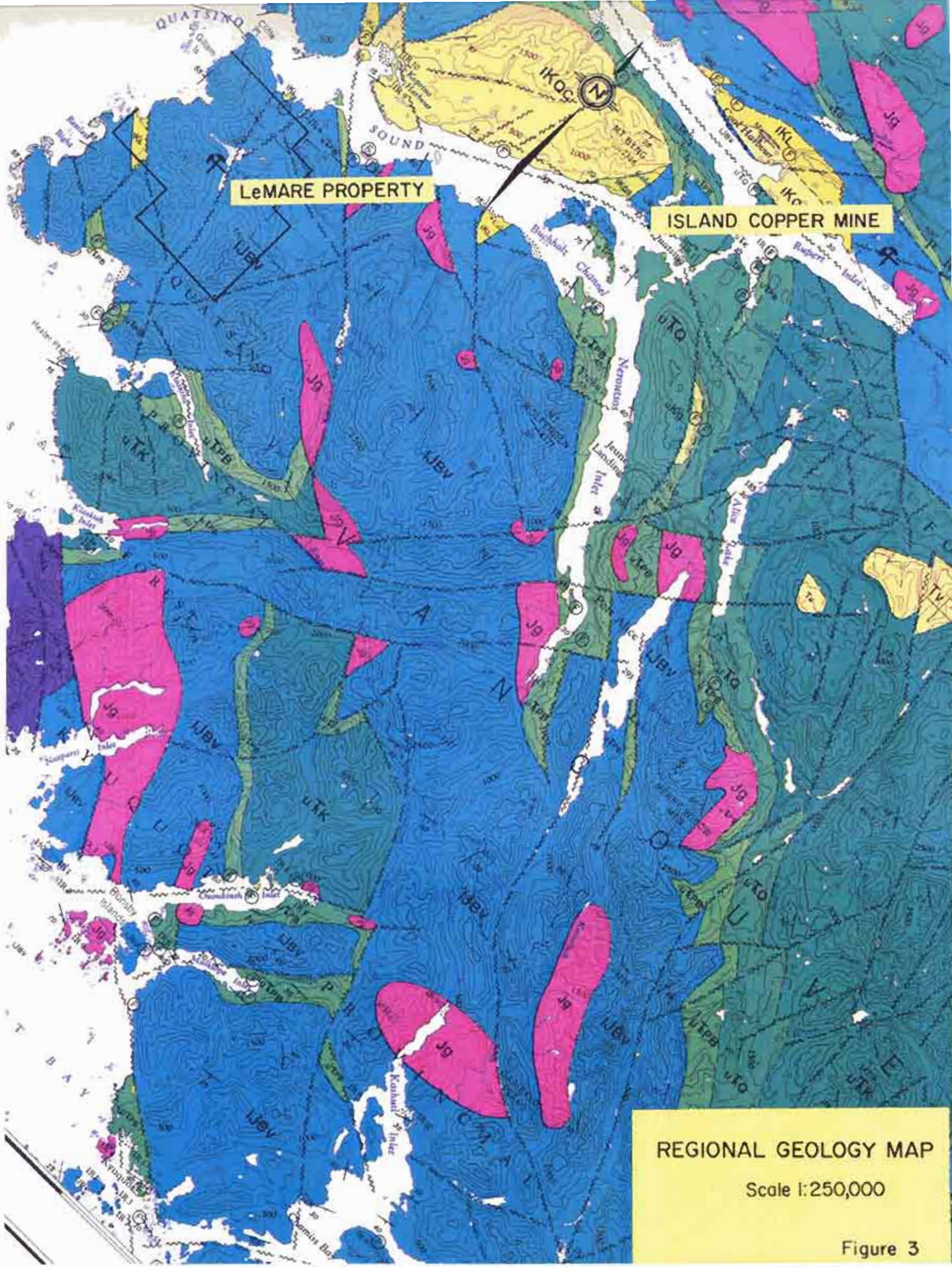
The oldest exposed rocks are upper Triassic theoleiitic basalts of the Karmutsen Formation which may or may not be overlain by the upper Vancouver Group Quatsino and Parson Bay Formations depending on the presence of a major regional unconformity.

The Mahatta-Kashutl Belt is primarily underlain by the lower to middle Jurassic Bonanza Supergroup, an emergent volcanic sequence. The basal part of the Bonanza Supergroup consists of marine basalt and andesitic pillow basalts, amygdaloidal and massive flows and intraformational breccias. The basal basalt and andesite sequence grades upwards into andesitic to dacite flows, tuffs, and breccias. These rocks are overlain by interbedded intraformational breccias and maroon sub-aerial flows which may be overlain in some localities by felsic tuffs and flows and rhyodacite flows near volcanic-intrusive centres.

The Jurassic Bonanza volcanics are overlain by shallow water marine sediments and volcanics belonging to the Cretaceous Long Arm Formation.

Regional bedding strikes northwest and dips moderately southwest. This attitude is relatively consistent throughout the area.

Intrusive rocks of major batholithic proportions are coeval with the lower Jurassic Bonanza volcanics (see Figure 5, Plutonic Belts). The Island Intrusives are primarily of granodiorite to monzonite composition. High level apophyses, cupolas and porphyry dyke swarms may locally be present and are commonly of rhyodacite composition.



REGIONAL GEOLOGY MAP

Scale 1:250,000

Figure 3

REGIONAL GEOLOGY MAP LEGEND

Figure 3

CEI

MIOCENE

Tv — *Basaltic to dacitic lava, tuff, breccia, conglomerate*

EOCENE

Tg — *Quartz diorite*

MESOZOIC

CRETACEOUS

UPPER CRETACEOUS

NANAIMO GROUP

uKs — *SUQUASH FORMATION: siltstone, shale*

uKg — *SUQUASH FORMATION: greywacke, conglomerate, siltstone, coal*

LOWER TO ? UPPER CRETACEOUS

QUEEN CHARLOTTE GROUP

lKqc — *Conglomerate, greywacke*

lKqs — *Siltstone, shale, greywacke*

LOWER CRETACEOUS

KYUQUOT GROUP

lKL — *LONGARM FORMATION: greywacke, conglomerate, siltstone*

JURASSIC AND CRETACEOUS

PACIFIC RIM COMPLEX

JKP — *Greywacke, siltstone, conglomerate*

JURASSIC

Jg — *ISLAND INTRUSIONS: quartz diorite, granodiorite, quartz monzonite, quartz feldspar porphyry*

JURASSIC AND OLDER

WEST COAST CRYSTALLINE COMPLEX

PMdin — *Quartz diorite, agmatite, gneiss, amphibolite*

LOWER JURASSIC

BONANZA GROUP (lJH, lJBV)

lJH — *HARBLEDOWN FORMATION: argillite, greywacke ribbon chert, minor limestone*

lJBV — *Andesitic to rhyodacitic lava, tuff, breccia*

TRIASSIC

UPPER TRIASSIC

VANCOUVER GROUP (uTPB, uTQ, uTK, Ts)

uTPB — *PARSON BAY FORMATION: calcareous siltstone, shale, limestone, greywacke, conglomerate, breccia*

uTQ — *QUATSINO FORMATION: limestone*

uTK — *KARMUTSEN FORMATION: basaltic lava, pillow lava, breccia, aquagene tuff, greenstone; minor limestone*

MIDDLE AND UPPER TRIASSIC

Ts — *Sediment-sill unit: diabase, argillite*

PALEOZOIC

PENNSYLVANIAN ?

SICKER GROUP

CPs — *[illegible] limestone*

COAST MOUNTAINS AND ADJACENT ISLANDS

CENOZOIC

QUATERNARY

PLEISTOCENE AND RECENT

Qs — *Alluvial, marine and glacial deposits*

HYPABYSSAL ROCK

MESOZOIC

JURASSIC OR YOUNGER

LOWER JURASSIC OR YOUNGER

fp — *feldspar porphyry*

(Age of intrusion not known, but probably Late Jurassic and Early Cretaceous)

JKgr — *Beta granite; minor quartz monzonite*

JKgd — *Granodiorite, grading into tonalite and quartz diorite*

JKt — *Tonalite; grading into quartz diorite (especially leucocratic varieties) and granodiorite*

JKqd — *Quartz diorite, grading into tonalite and diorite*

JKd — *Diorite, dioritic complexes; amphibolite, gabbro; grading into quartz diorite*

JKdgn — *Complexes of agmatite, gneiss, stockwork, amphibolite; mainly dioritic in composition, in places quartz dioritic or tonalitic, commonly equivalent to diorite unit (next above)*

JKgb — *Gabbro; in most places not mapped separately from diorite unit*

METASEDIMENTARY AND METAVOLCANIC ROCKS

AGE NOT KNOWN

mg — *Greenstone, amphibolite, chert, argillite, schist, hornfels*

ma — *Argillite, quartzite; minor schist and skarn*

ms — *Chlorite schist, biotite schist, grades into dioritic complex*

ml — *Limestone, quartzite*

Geological boundary (approximate)

Bedding, tops known (horizontal, inclined)

Bedding, tops unknown (vertical)

Foliation (horizontal, inclined, vertical)

Late Jurassic (and younger) gabbro and andesite dykes cross-cut Bonanza volcanics and Island Intrusives. They are thought to be feeders for upper Bonanza volcanics and are typical of gabbro and andesite dyke swarms of the Insular Belt.

Tertiary (Eocene) "Catface" intrusives may be present and Catface-Mount Washington-Zeballos-Kennedy Lake type quartz veins (which may be gold bearing) are present primarily in east-west trending structures.

3.1.1 Metamorphism and Alteration

Most Mesozoic rocks exhibit greenschist or lower degrees of regional metamorphic grade. Metamorphic minerals commonly present are chlorite, sericite, clay and epidote.

Local contact metamorphism associated with the margins of primarily deep hypobyssal intrusive batholiths generally is characterized by hornfels (i.e. silica, hornblende-amphibole and pyrite) developments. These rocks form resistant spines, headlands or mountain ranges along the margins of the major intrusives.

Alteration assemblages associated with high level sub-volcanic porphyries commonly display the following features:

- low pH silica-pyrite caps at high levels above the porphyry intrusions

- spherical shells of advanced argillic alteration surrounding porphyry intrusions. Advanced argillic alteration commonly consists of silica, pyrophyllite (with rare dumortierite), muscovite-sericite, and clays. Phyllic alteration commonly flanks the advanced argillic alteration zones and consists of silica, pyrite, sericite and clay and, where weathered, exhibits a definitive jarosite staining.

- within the porphyry intrusions themselves, argillic alteration consisting of silica, argillic and kayolinitic clay and pyrite commonly is zoned to depth with increasing amounts of potassic alteration (k-spar) and albite.

- wallrock alteration associated with porphyry intrusions commonly displays transitional phyllic-potassic alteration consisting of biotite, hornblende-amphibole, black (high iron) chlorite and magnetite and Cu-Mo-Au mineralization may be present associated with this zone. Peripheral to the transitional phyllic-potassic alteration is a zone of propylitic alteration which consists of epidote and commonly chlorite (low iron apple green) with high background geochemical values in zinc associated with mineralized porphyry systems.

3.1.2 Structure

The LeMare claims lie within the Cape Scott fault bounded structural blocks (see Figure 4, Tectonic Belt). Mesozoic structure is typically of a brittle, block fault style with very little folding. This was attributed by the early GSC writers to be due to the thick brittle Karmutsen basalt "basement" rocks.

Major northwest trending imbricate thrust faults repeat the section in an east-west sense and are part of the overriding plate tectonic regime.

Major north and northwest trending deep normal faults commonly control emplacement of the Island intrusions. These faults may be right lateral and slickensides are generally horizontal.

East and northeast trending normal block faults are generally of Jurassic to Tertiary age and usually down drop the south side blocks with significant displacements. Slickensides commonly have a vertical sense and east-west structures commonly host Tertiary intrusions and related gold-quartz veins.

Intrusive breccias and volcanic pyroclastic breccias are common around high level intrusive centres and volcanic vents.

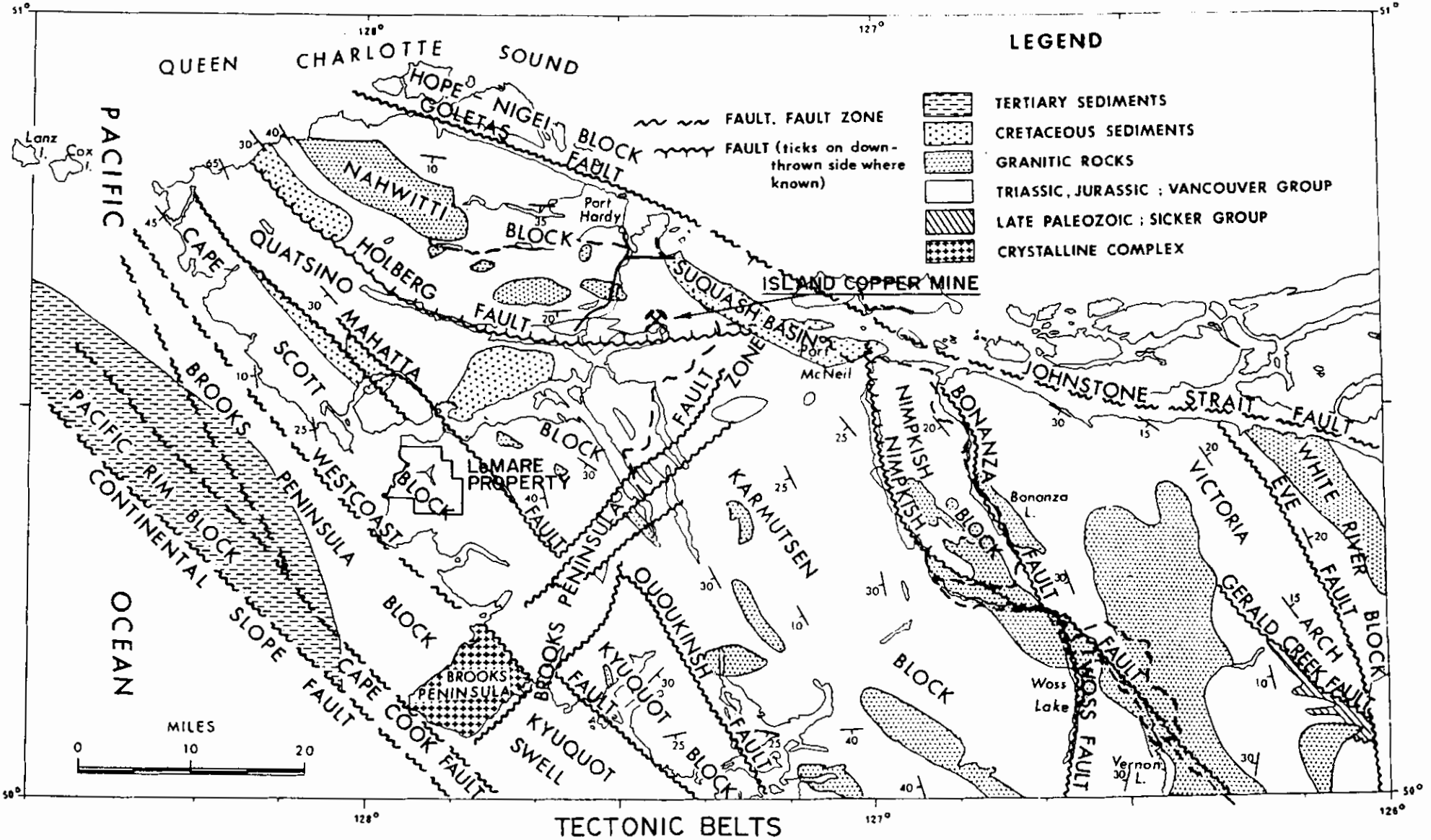


Figure 4 . Map of main faults and fault-blocks.

3.1.3 Mahatta-Kashutl Belt

The Mahatta-Kashutl belt of Island Intrusions and subvolcanic porphyries is flanked to the south by deep hyperbysal environments south of Kashutl-Tahsish Inlets (see Figure 5). To the northwest, the Island Intrusions become progressively higher lever in nature with an increasing abundance of high level porphyries present until intrusive-porphyry complexes appear to dive beneath younger upper Bonanza volcanic cover north of Quatsino Sound. Regional tilting downwards in a northwesterly direction and a subsequent deeper level of erosion in the southeastern portion of the panel would logically offer an explanation for the distribution of the levels of emplacement observed within this belt.

The Mahatta-Kashutl belt has the favourable ingredients of both a profusion of high level porphyries and numerous volcanic-intrusive centres hosted in favourable lower Jurassic Bonanza aluminous iron and titanium rich marine subaqueous volcanics.

3.2 Property Geology

Geological mapping of the LeMare claim group area was conducted by Birkeland, McCartney, Travis and Miller. Detailed geological mapping was completed over an area of approximately 2.44 square kilometres and plotted on 1:10,000, 1:5,000 and 1:2,500 scale geological maps (see Maps 1, 7, 8 and 17). Most of the mapping was done along road cuts but several "bush" traverses were also done.

3.2.1 General Lithology - Stratigraphy

The LeMare claims are primarily underlain by northwest striking, southwest moderately dipping lower to middle Bonanza volcanics. The area between LeMare Lake to Culleet Creek to the west is generally underlain by lower Bonanza volcanics which exhibit pillow lavas, amygdaloidal and massive basalt and andesite flows and breccias. These rocks grade upward to the southwest into intraformational breccias, andesites and dacites grading into sub-aerial maroon andesites. From LeMare Lake to Culleet Creek to the northeast, rocks

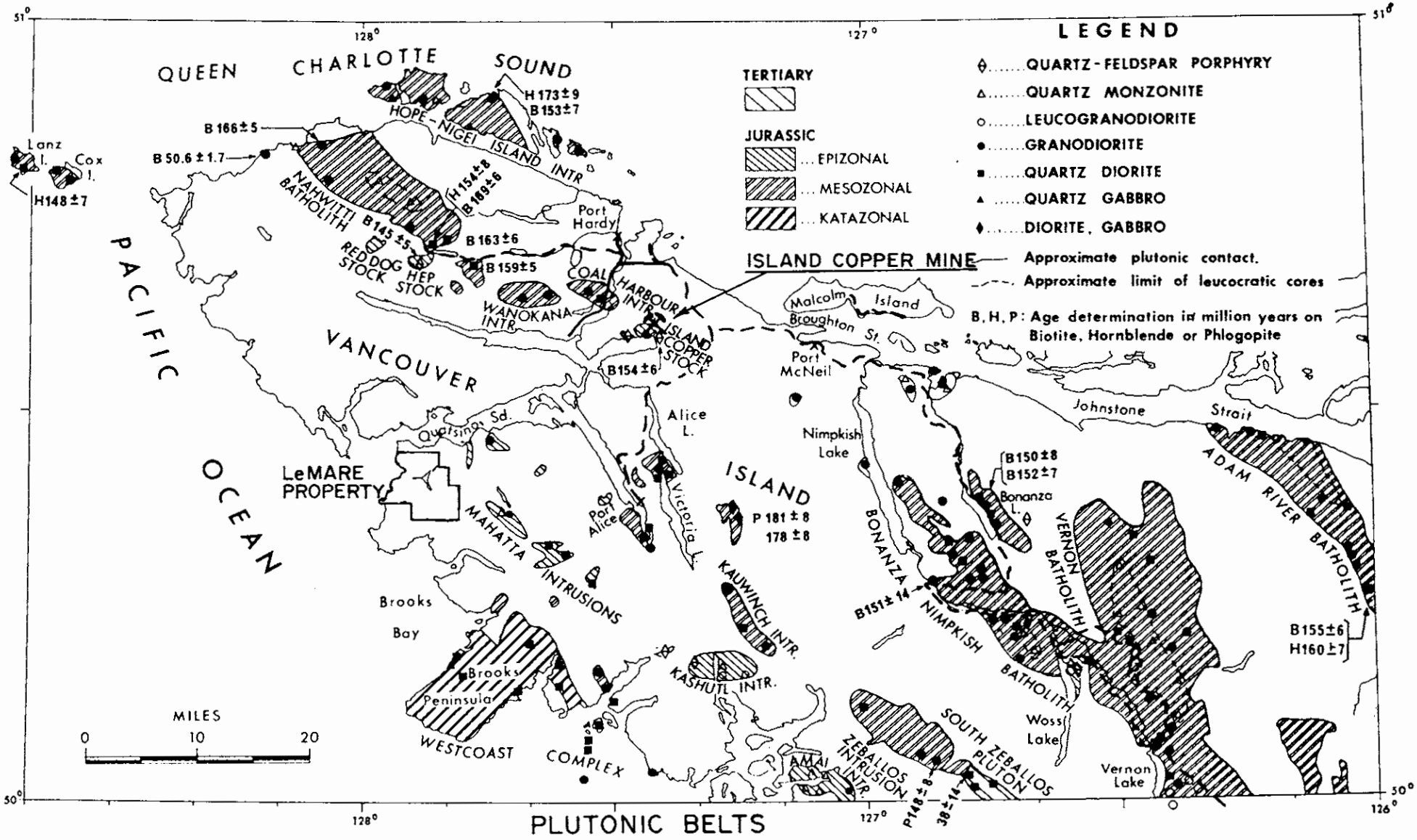


Figure 5. Distribution of granitic rocks.

appear to still belong to the Jurassic Bonanza volcanic supergroup but appear to be more siliceous in nature and exact relationship to Bonanza stratigraphy is unknown.

It is possible that an intrusive centre/volcanic vent lies north and in the vicinity of the North and South Lake zones.

3.2.2 South Gossan Zone (SGZ) - Lithology and Alteration

The porphyry intrusives and related alteration system on the LeMare property appear to plunge at right angles to bedding in a manner consistent with the intersection of northwest and northeasterly striking structural orientations. Intrusive porphyries to a width of +50 m and associated alteration selvages, particularly in the SGZ area, appear to plunge moderately to steeply to the northeast.

Alteration is commonly zoned on the LeMare property and grades inwards with increasing intensity from propyllitic to phyllic (potassic) to advanced argillic to a mixed argillic (potassic) core.

Volcanic rocks in the area of the South Gossan Zone (SGZ) are mafic to dacitic volcanics intruded by altered quartz porphyry (as determined from cross-cutting field relationships). Rocks within the SGZ alteration cap are so highly altered as to be of uncertain protolith (see Appendix VIII, Petrographic Report). The SGZ alteration cap is described as follows:

TABLE 2 - SOUTH GOSSAN ZONE ALTERATION

Alteration Type	Mineralogy
Advanced argillic and argillic	White fine grained (beta quartz) silica, sericite (muscovite), pyrophyllite (dumoritierite), gypsum (alunite), clay, FeTi oxides, kayolinite, diospore, prehnite-rutile.
Phyllic	Quartz, sericite (muscovite), pyrite and minor K-spar.
Potassic	K-spar replacement and associated quartz sericite as cross-cutting veinlets.
Transitional Phyllic-Potassic-Silicic ("Mafic Porphyry" alteration)	Silica, chlorite, magnetite, hydrobiotite, hornblende-amphibole, various degrees of Cu-Mo-Au-Ag mineralization.

Propylitic	Dark green chlorite, epidote, pyrite and geochemically anomalous Zn.

3.2.3 Culleet Creek Zone - Lithology and Alteration

The Culleet Creek area is primarily underlain by basalt and andesite amygdaloidal flows, massive flows and flow breccias interbedded with dacite tuffs. Numerous steeply incised, till covered gullies flanked by prominent silicious spiny ridges are suspected to be underlain by highly altered recessive quartz porphyry dykes swarms.

Alteration at Culleet Creek is continuous within approximately a 500 x 700 m area and is described as follows:

TABLE 3 - CULLEET CREEK ALTERATION

Alteration Type	Mineralogy
Apple green silicification	Light green (low iron?) chlorite, K-spar-quartz, sericite, magnetite-Cu.
Propylitic alteration	Dark green (high iron?) chlorite, magnetite, K-spar, Cu-Zn.

3.2.4 Structure

The major structural element on the claim group is a northwest trending major fault system which appears to occur within the topographic low centred along Culleet Creek and LeMare Lake. From exposures in the SGZ, the northwest trending structures have moderate southwesterly dips and slickensides indicate a large component of horizontal displacement. Complimentary northeast trending structures (the northeast lobe of LeMare Lake) usually dip moderately southeast and slickensides indicate a vertical displacement commonly with south side down. Some northeasterly trending structures dip northwest with unknown displacement sense. Normal east-west trending block faults occur at the south end of the SGZ and at Culleet Creek.

The Culleet Creek area is a complex zone of structural intersections evident from lineaments observed on air photos.

Intrusive centres and related proximal volcanic vents and vent breccias may occur near the North and South Lakes Zones as evidenced by the distribution of breccias proximal to these zones.

3.3 Mineralization

A 6 km trend along Culleet Creek and LeMare Lake host numerous Cu (Mo-Au) mineral showings and associated soil geochem anomalies. This trend is coincident with the magnetic-low signature of the alteration trend evident from the high level GSC airborne data.

3.3.1 South Gossan Zone (SGZ)

Copper mineralization flanks the alteration zones and occurs in volcanic wallrocks. Modes of occurrences are described as follows:

- Massive fine grained chalcopyrite and bornite/chalcocite/covellite (may be Au bearing) veinlets and fractures radiating out from beneath the northeast plunge beneath the advanced argillic alteration cap. The best results include the following:

Sample Type	Width (m)	Cu
chip	1.0 m	0.52%
chip	1.0 m	2.18%
chip	0.5 m	2.95%
grab		5.95% (154 ppm Au)

- Disseminated fine grained chalcopyrite associated with black chlorite-magnetite-hydrobiotite? in mafic volcanic (transitional potassic-phyllic "mafic porphyry") alteration. The best results from grab samples include:

Cu	Sample Type
2,454 ppm Cu	Grab
5,005 ppm Cu	Grab
16,104 ppm Cu	Grab
1,139 ppm Cu	Grab
0.51% Cu	Grab
0.24% Cu	Grab

- East of the SGZ and across the LeMare Lake valley (Trapper Cabin area) are fault controlled chalcopyrite and bornite occurrences in silicious pyritic volcanics. The best results include:

Cu/Zn	Sample Type
0.15% Cu, 6,031 ppm Zn	Grab (over 5 m)
0.13% Cu, 669 ppm Zn	Grab
981 ppm Zn	Grab
1,409 ppm Cu, 393 ppm Zn	Grab
756 ppm Cu	Grab
0.11% Cu	Grab

- To the west of the SGZ and in the headwaters of "Dumoritierite Creek", carbonate veins up to .3 m in width occur in propylitic alteration envelopes. The veins have been traced for a strike length of up to 15 m. The best results include the following:

Cu/Au/Zn	Sample Type
0.73% Cu, 821 ppb Au, 13.3% Zn	0.3 m
0.27% Cu, 785 ppb Au, 22.0% Zn	Grab

3.3.2 Culleet Creek Zone

The Culleet Creek mineral occurrence lies at the northwestern end of the LeMare mineral trend.

Rocks in the vicinity of the Culleet Creek Zone exhibit a white weathering rind on surface (kaolinite after chlorite-K-spar). Numerous voids and boxwork textures with remnant secondary Cu minerals indicate Cu mineralization is being leached by surface weathering and all values encountered near surface are likley depleted. This distinctive weathering characteristic (including chalcedonic quartz intergrowths) occurs over an area of approximately 500 m X 750 m. Two road borrow pits (Gorby and Boris showings, see Maps 24 to 28) have fresher rock exposed in the pitwalls and roadfill debris. All rock types exposed in the pits are silicified and mineralized to various degrees. Modes of occurrences of copper mineralization are described as follows:

- chalcopyrite, chalcocite, minor bornite, covellite, and native copper in apple green silicified (AGS) zones.

- associated with chalcedonic intergrowths, jasper and quartz veinlets and fractures, amygdules or disseminated in breccia matrix overprinting all rock types.

- disseminated chalcopyrite in lesser silicified dark green chloritized volcanics.

The 500 m X 750 m alteration zone of AGS has been trenched with 8 plugger and blast hole trenches (see Maps 29 to 35). Best values include the following:

Trench	Sample Type	Width (m)	Cu
TR 91-T3	Chip	4.0	0.4125% Cu
Boris	Chip	9.0	1,792 ppm Cu
ARL 315	Chip	1.0	0.6% Cu
ARL 316	Chip Chip Chip	10.0 4.0 3.0	1,009 ppm Cu 950 ppm Cu 786 ppm Cu
91-T7	Chip	4.8	687 ppm Cu
91-T4	Chip	3.0	660 ppm Cu
91-T5	Chip Grab Grab	3.0	576 ppm Cu 6,387 ppm Cu 140 ppb Au

At the Mo Road showing to the west of Culleet Lake, sparse chalcopyrite and molybdenite mineralization has been noted in the road-cut associated with advanced argillic and phyllic alteration. Best values include the following:

Cu	Sample Type
0.42% Cu	Grab
0.15% Cu	Grab
1,559 ppm Cu	nearby north branch road

3.3.3 South Lake Zone

The mineralization and alteration style at the South Lake Zone is virtually identical to the silicification and modes of mineral occurrences found in the Culleet Creek Zone. The area between the Culleet Creek Zone and the South Lake Zone is primarily covered in the valley bottom and a total strike length of 2.5 km of similar alteration style and mineralization is indicated.

Alteration consists of apple green silicification characterized by light green chlorite, K-spar, and platy chalcedonic intergrowths, jasper and quartz veinlets and stockworks. All of the volcanic rocks are silicified and mineralized. Many of the volcanic rocks in this area exhibit crackle brecciation grading to rotational breccia and locally advancing to chaotic polylithic brecciation indicating that this area may be proximal to an intrusive centre or a volcanic vent.

Best mineralized results obtained from outcrop sampling include the following:

Cu	Sample Type
0.12% Cu	Grab
2,197 ppm Cu	Grab
1,330 ppm Cu	Grab
1,951 ppm Cu	Grab
980 ppm Cu	Grab

3.3.4 LeMare No. 2 Showing

The LeMare No. 2 Showing is located in the southwestern border of the main LeMare alteration trend. It is in the immediate vicinity southwest of the Culleet Zone.

Chalcopyrite and minor bornite occurs as disseminations and fracture fillings associated with black chlorite, magnetite and K-spar alterations in basic volcanics. Mineralization occurs over 575 m along the Restless Main logging road outcrops. The best results include the following:

Sample Type	Width (m)	Zn (ppm)	Cu (%)
Chip	3.0		0.15%
Grab			0.33%
Grab		512	0.28%
Grab		14,240	0.12%
Chip	2.0		0.13%
Chip	2.0		0.24%

3.2.5 North Lake Zone

The North Lake mineral occurrence is the original discovery outcrop area initially found by British Newfoundland Exploration Company. The style of mineralization and alteration is very similar to the alteration style and mode of occurrence in the LeMare No. 2 Showing but the North Lake Zone is located on the north side of the main LeMare mineral alteration trend as opposed to the LeMare No. 2 Zone which is on the south side. Mineralization occurs in the Restless Main logging road outcrops over a strike length of 450 m (see Map 36). Best values include the following:

Sample Type	Width (m)	Cu % (ppm)	Zn ppm
Chip	0.6	(1,447)	
Grab			709
Chip	0.3	(1,668)	
Grab		(3,234)	
Chip	1.0	0.20	
Chip	1.0	0.72	
Chip	1.0	0.32	
Chip	1.0	0.12	

4.0 GEOCHEMISTRY

The geochemical program on the LeMare claims consisted of moss mat and active stream sediment sampling, soil sampling along logging road access, and rock chip geochemistry on selected targets. A total of 120 moss mat samples (and 3 active stream sediment samples) were taken over a 6 X 7 km area. Soil coverage was conducted over a 2 x 6 km area and 868 samples were taken. Rock chip and grab samples numbered 287 over a 2 X 6 km area on selected targets. Included in the rock chip sampling were 8 hand blasted trenches excavating approximately 30 square metres of trench material.

All samples were analyzed by Bonder-Clegg and Company Limited and sample descriptions, sample locations and results are contained in Appendix VI and VII and plotted on Maps 2-6, 10-16 and 18-24.

4.1 Moss Mat Geochemistry

Samples were taken of accessible drainages throughout the claim group. Sample media consisted of moss and root mat clumps growing on rocks and logs in the centres of creeks above the low water and below the high water level within the drainage. Locations were marked by Tyvek tags. Samples were sent in large gusseted craft bags to the lab where they were dried and pounded with a wooden mallet to separate and remove the organic moss growth. The remaining sediment fines were treated as conventional active stream sediments and the -80 mesh fraction was analyzed by ICP for Cu, Mo, Ag, Pb, Zn, As and Sb. Gold was analyzed by fire assay with an AA finish. Analytical techniques are described in

Appendix IV and a table of threshold values and statistics for all of the results are contained in Appendix V.

4.2 Soil Sampling

Soil samples were taken from the B horizon, upslope of logging road-cuts avoiding till where possible. Samples were taken at approximately 25 m centres and crosslines were run in areas where logging road coverage did not provide adequate coverage. Samples were analyzed by ICP for 8 elements as with the moss mat sampling and locations were similarly marked with Tyvek tags.

4.3 Rock Sampling

Representative grabs or continuous rock chip samples were taken in selected areas based on observed mineralization on the results of soil and moss mat geochem sampling. The 8 element analytical package was conducted on all rocks. Some + 1,000 ppm Cu values were re-analyzed by total extraction wet assay and values are reported as percent Cu.

4.4 Geochemistry Results

Moss mat, soil and rock chip geochem results indicate a zoned geochemical anomaly exists over a strike length of approximately 6 km with up to a 2.5 km width (see Geochemical Interpretation Map, Map 15). The geochemical anomaly consists of a Mo core which generally coincides with the low pH advanced argillic and phyllic alteration assemblages which is flanked by Au and Cu geochemical anomalies within the transitional potassic-phyllic alteration assemblages with an outboard zoned Zn anomaly corresponding to the distal prophylitic alteration zone.

4.4.1 Moss Mat Sample Results

Moss mat and active stream sediment results were generally very low. For example, "Dumortierite Creek" did not return any anomalous stream sediment samples or moss mat

samples although mineralization outcrops in the creek bed with values up to 5.9% Cu and 154 ppb Au from grab samples. Best moss mat anomalous values include 63, 93, 67, and 166 ppm Cu and 4 ppm Mo flanking the South Gossan Zone. One tributary of "Dumoritierite Creek" returned 174 ppm Cu. In the vicinity south of the South Lake Zone, a moss mat Au anomaly of 1,099 ppb Au (check 82 ppb Au) was encountered in the area above the LeMare No. 2 Showing and west of the South Gossan Zone and east of LeMare Lake. Zinc values of 203 ppm, 317 ppm and 196 ppm were encountered respectively.

4.4.2 Soil Sample Results

South Gossan Zone

Numerous anomalous Mo values between 4 and 7 ppm Mo were found to be flanked by Cu-Au values outside the main argillic alteration area. Twenty five anomalous Cu soils to a maximum value of 482 ppm Cu and 10 anomalous Au soils to a maximum of 75 ppb Au occur surrounding the main South Gossan Zone. The area in the LeMare Lake valley down plunge from the alteration cap is till covered and geochemical responses in this area were low, as expected.

Lateral to the South Gossan Zone and to the east of LeMare Lake, 3 Cu soil values up to 1,409 ppm Cu and 4 Zn values up to 981 ppm occur. To the west of Dumortierite Creek and surrounding the ridge on which an airborne magnetic highest is centred, strong anomalous soil responses were encountered. Anomalies included 6 Mo values to a maximum of 25 ppm, 15 Cu values to a maximum of 2,307 ppm Cu, 11 Au values to a maximum of 1,417 ppb Au and 8 Zn values to a maximum of 1,041 ppm. Additional detailed prospecting, mapping and sampling is required in this area.

Culleet Creek - South LeMare Lake Area

Soil values in the Culleet Creek and South LeMare Lake area encountered 12 anomalous Cu values to a maximum of 506 ppm, 3 Mo values to a maximum of 5 ppm Mo, and 9 Zn

values to a maximum of 424 ppm Zn. South of LeMare Lake, 3 samples returned values to 455 ppb Au.

4.5 Geochemical Interpretation

Interpretation of soil geochemical anomalies and related surface outcrop mineralization indicates that the distribution of metals is pH controlled which is in turn a function of alteration type encountered in bedrock due to hydrothermal alteration related to high level quartz porphyry intrusion. Within the advanced argillic and phyllic alteration zones, very low pH's (less than 3.0) were encountered. Within these zones Mo anomalies remain (as Mo is stable to a pH of 1). All Cu values are leached out of bedrock and soil as Cu becomes mobile at a pH of 4. Peripheral to the advanced argillic-phyllic alteration zones where the pH of the soils and bedrock is greater than 4, numerous Cu and Au anomalies and outcrop showings occur in the favourable volcanic host associated with transitional phyllic-potassic alteration. The outboard Zn anomalies associated with the prophylitic alteration zones are typical of zoned porphyry systems found elsewhere in British Columbia, Chile, Costa Rica, the Philippines, etc.

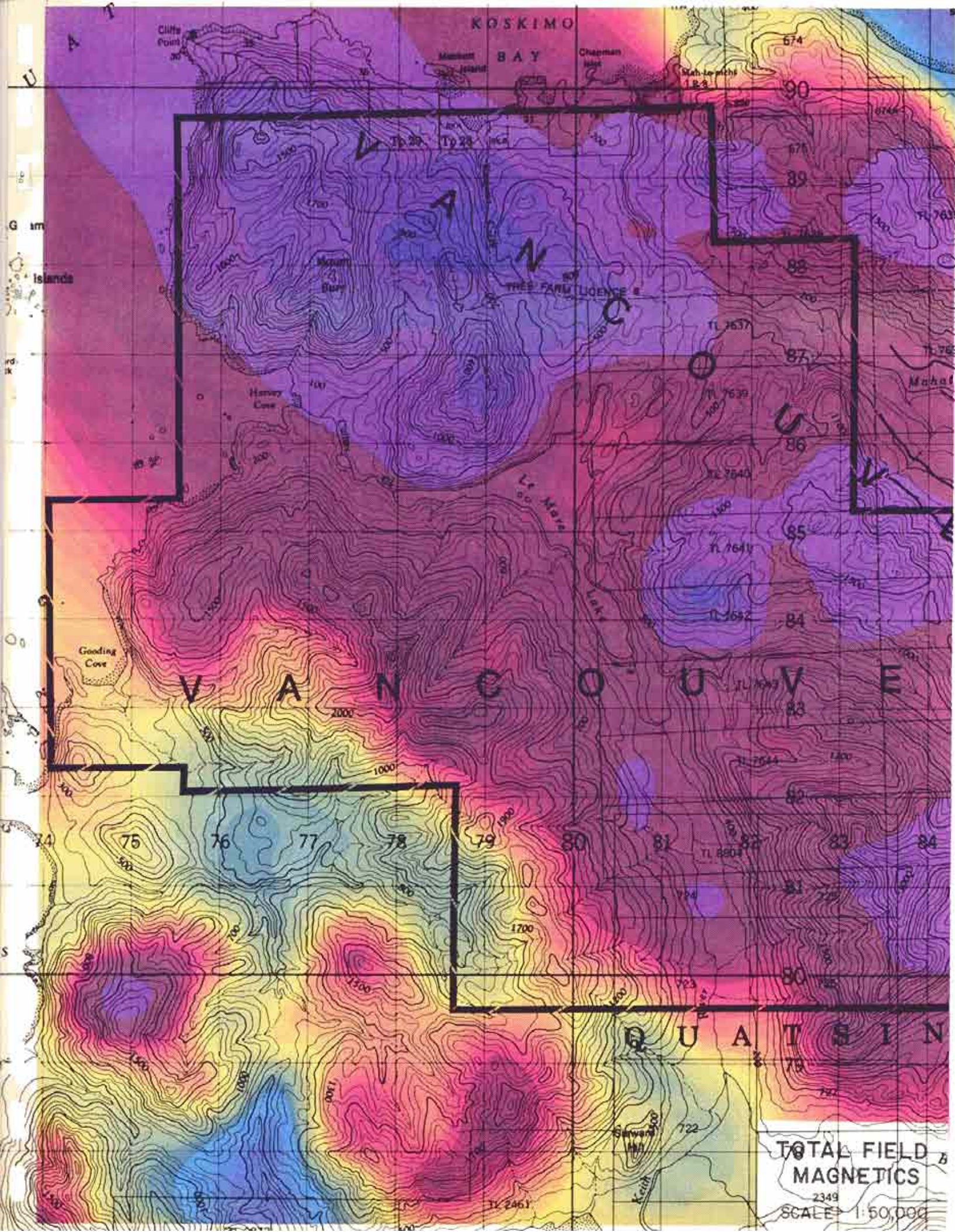
5.0 GEOPHYSICS

5.1 Airborne Magnetics

Total field and calculated gradient maps for digitized Geological Survey of Canada 1962 Airborne Magnetic Data is shown on Figure 6 and Figure 7.

The calculated gradient map (Figure 7) indicates the following:

- A northwest trending low magnetic trough corresponding to the major cross property LeMare alteration trend. This magnetic low is likely caused by the destruction of magnetite within the argillic alteration trend.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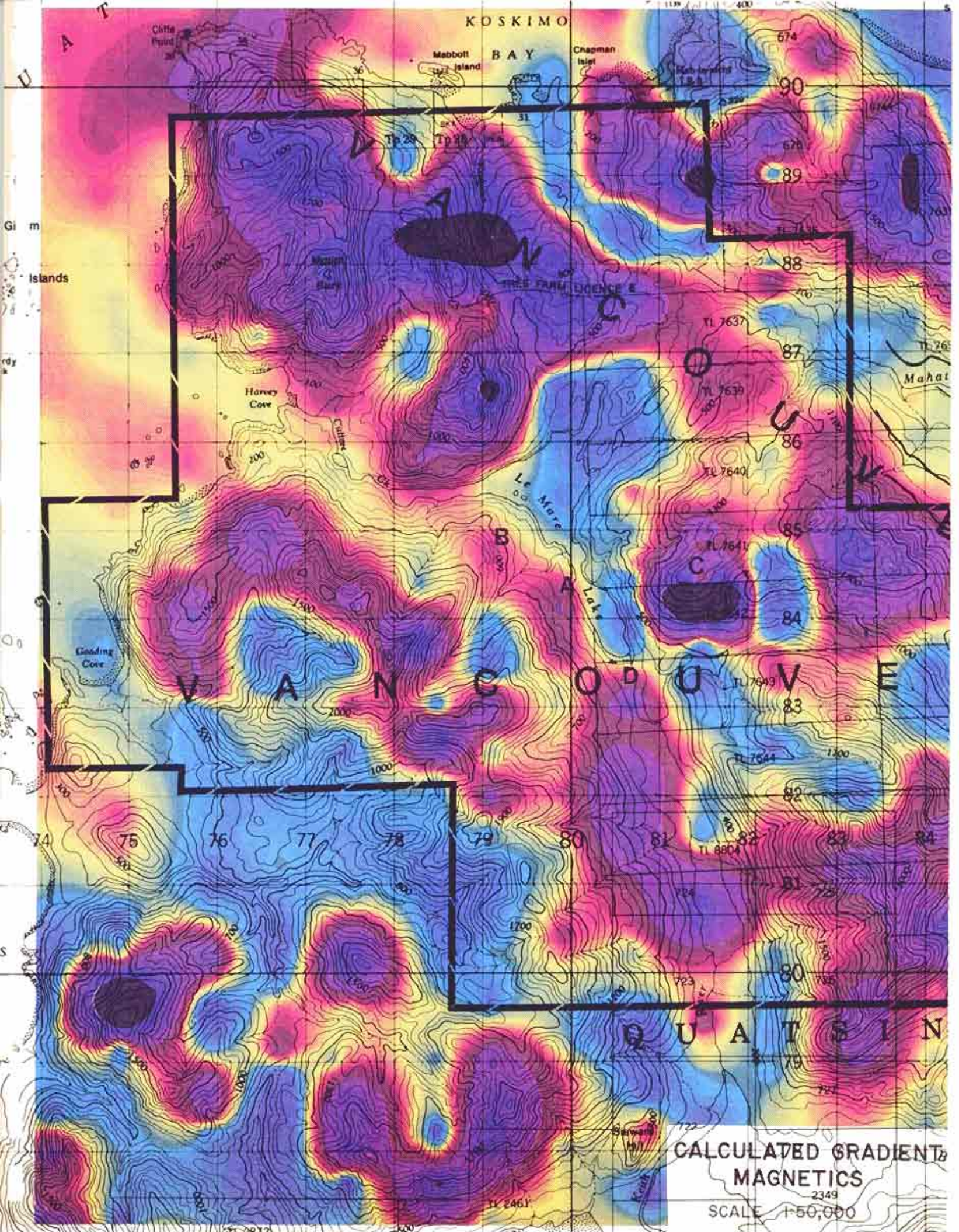
BAY
Cliffs Point
Chapman Islet
Mah-to-pichs I.R.
Tp 28
Tp 23
THES FARM LICENCE
Mount Burr
Harvey Cove
Le Mare Lake
Gooding Cove
Islands
VANCOUVER
QUATSINO
Serwood Hill
Keith
TOTAL FIELD MAGNETICS
2349
SCALE 1:50,000


KOSKIMO
BAY
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Islands
Mount Barry
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Cutter Cr.
Le Mare Lake
Gosling Cove
Seaward Hill
VANCOUVER
QUATSINO
CALCULATED GRADIENT
MAGNETICS
2349
SCALE 1:50,000

- Anomaly A is coincident with the South Gossan Zone and indicates that although magnetite destruction is present at a high level in the advanced argillic and phyllic zones which outcrop on surface, magnetite alteration exists at depth beneath the alteration cap.

- Anomaly B is located on the ridge West of Dumortierite Creek where the best anomalous soil geochemistry on the property occurs. It is interpreted that this area is underlain by a porphyry system with corresponding flanking magnetite alteration and associated Cu-Mo-Au mineralization.

- Anomaly C is the highest magnetic anomaly adjacent to the LeMare-Culleet alteration trend. This anomaly is on strike with east-west faults exposed in the South Gossan Zone and on trend with east-west structures and geochemical anomalies encountered on the east side of LeMare Lake (Trapper cabin area).

- Anomaly D occurs in a covered low-land in the vicinity of gold geochem anomalies "down plunge" of the main South Gossan Zone alteration cap. This large positive anomaly within the northwest trending magnetic low trough indicates that a porphyry and associated magnetite-bearing Cu-Mo-Au system may be at depth beneath the valley till and has not been detected by conventional soil geochemistry completed to date.

5.2 Ground Magnetometer Orientation Survey

South Gossan Zone

One traverse line was run on the South Gossan Zone utilizing a GEM GSM-19 Magnetometer. Readings were taken at 25 m station intervals. Results indicated that values within the South Gossan alteration zone were relatively constant with values ranging between 56,150 and 56,250 gammas. At the alteration contact, a 7 station high to 56,650 followed by a 7 station low to 55,800 gammas encountered a magnetic cross-over of approximately 850 gammas. Within the wallrock volcanics, spiky readings fluctuating 600 to 700 gammas with means at approximately 56,200 gammas occurred. More orientation work is required to make

any definitive conclusion, however, the edge of the South Gossan alteration system appears recognizable by contrasts of up to a 1,000 gammas indicated by a high-low dipole magnetic feature.

6.0 CONCLUSIONS

1. A 6 km long northwest trending alteration-mineralization belt occurs on the LeMare property which is coincident with a major airborne magnetic feature.

2. Size of the alteration belt and initial geochemical anomalies encountered compares in order of magnitude to the Island Copper deposit.

3. The South Gossan Zone alteration cap is similar to porphyry alteration caps in the Island Copper Belt. The presence of copper mineralization in outcrop interpreted as leakage from beneath the alteration cap and the zoned geochemical anomaly indicate that a mineralized porphyry likely lies at depth beneath the South Gossan Zone. Because of a significant change in alteration style from one level of the alteration zone to the next, it is estimated that the vertical gradient of the system is not so great as to make the possibility of an open pit mining configuration impossible.

4. The Culleet Creek zone may be a continuously mineralized zone of a dimension of 750 m X 500 m characterized by white weathering apple green silicification containing well developed chalcedonic and jasper intergrowths. The copper values are considered to be leached and depleted on surface. All fresh rock of all various rock types that have been encountered in this zone exhibits some degree of silicification and copper mineralization. A major target may be at depth or lateral to this zone.

7.0 RECOMMENDATIONS

A two phase $400,000. exploration program is recommended as follows:

Phase I - Detailed Pre-Drill Field Activities

- complete prospecting and mapping on the entire six kilometre alteration belt;

- complete detailed soil geochemistry in areas of sparse road cover and in anomalous areas particularly in the vicinity of the ridge northwest of Dumortierite Creek;

- initiate first pass prospecting and moss mat geochem sampling of the area east of the Trapper Cabin area in the locality of the high airborne magnetic anomaly. Contingent on moss mat results, consider follow up detailed prospecting, mapping and soil geochemistry;

- conduct a detailed ground magnetometer survey on all logging road access utilizing fill-in cross lines where applicable;

- spot diamond drill holes around the north and east flanks beneath the South Gossan Zone alteration cap; layout fences of diamond drill holes on the Cullett Creek Zone; locate contingent drill holes on any additional targets north the "Dumortierite Creek" or east of the Trapper Cabin area based on detailed field work from Phase I.

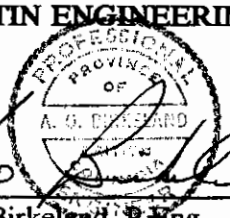
It is estimated that the Phase I field program, utilizing a four man crew (3 geologists, 1 assistant), would require a 3 to 4 week duration for completion. Cost estimate for this phase is anticipated to be between $50,000 and $75,000.

Phase II - Drill Program

Contingent on Phase I exploration results, a program of between 2,500 m and 2,700 m of diamond drilling is recommended at an estimated cost between $325,000. and $350,000.

Respectfully submitted,

KEEWATIN ENGINEERING INC.



Arne O. Birkeland, P.Eng.

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APPENDIX I

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, ARNE O. BIRKELAND, DO HEREBY CERTIFY THAT:

1. I am a Geologist in the employ of Arnex Resources Ltd. with offices at 4005 Brockton Crescent, North Vancouver, British Columbia.

2. I am a 1972 graduate of the Colorado School of Mines with a Bachelor of Science degree in Geological Engineering.

3. I am a registered Professional Engineer with the Association of Professional Engineers of British Columbia and have been since 1975.

4. My primary employment since 1966 has been in the field of mineral exploration, namely as a Geological Engineer.

5. My experience has encompassed a wide range of geological environments and has allowed considerable familiarization with geophysical, geochemical and diamond drilling techniques.

6. I have examined and conducted field work on the property reported herein. This report is based on my examination and on researching published information available on the area.

Dated in Vancouver, British Columbia this 6th day of December, A.D., 1991.

Respectfully submitted,

Arne O. Birkeland, P.Eng.

APPENDIX II

Summary of Field Personnel

SUMMARY OF FIELD PERSONNEL

Field Program Start: June 15, 1991
Field Program Finish: September 15, 1991

Name	Position	Sampler Code	Total Days
Arne O. Birkeland	Senior Geologist	AB	51.0
Ian D. McCartney	Project Geologist	IM	27.0
Adam Travis	Geologist	AT	58.0
Jason Miller	Geologist	JM	27.0
Darcy Krohman	Geologist	DK	11.0
Curt Kauss	Prospector	CR	35.0
Jay Leonard	Assistant	JL	14.0
Tim Hutchings	Draftsperson		14.0

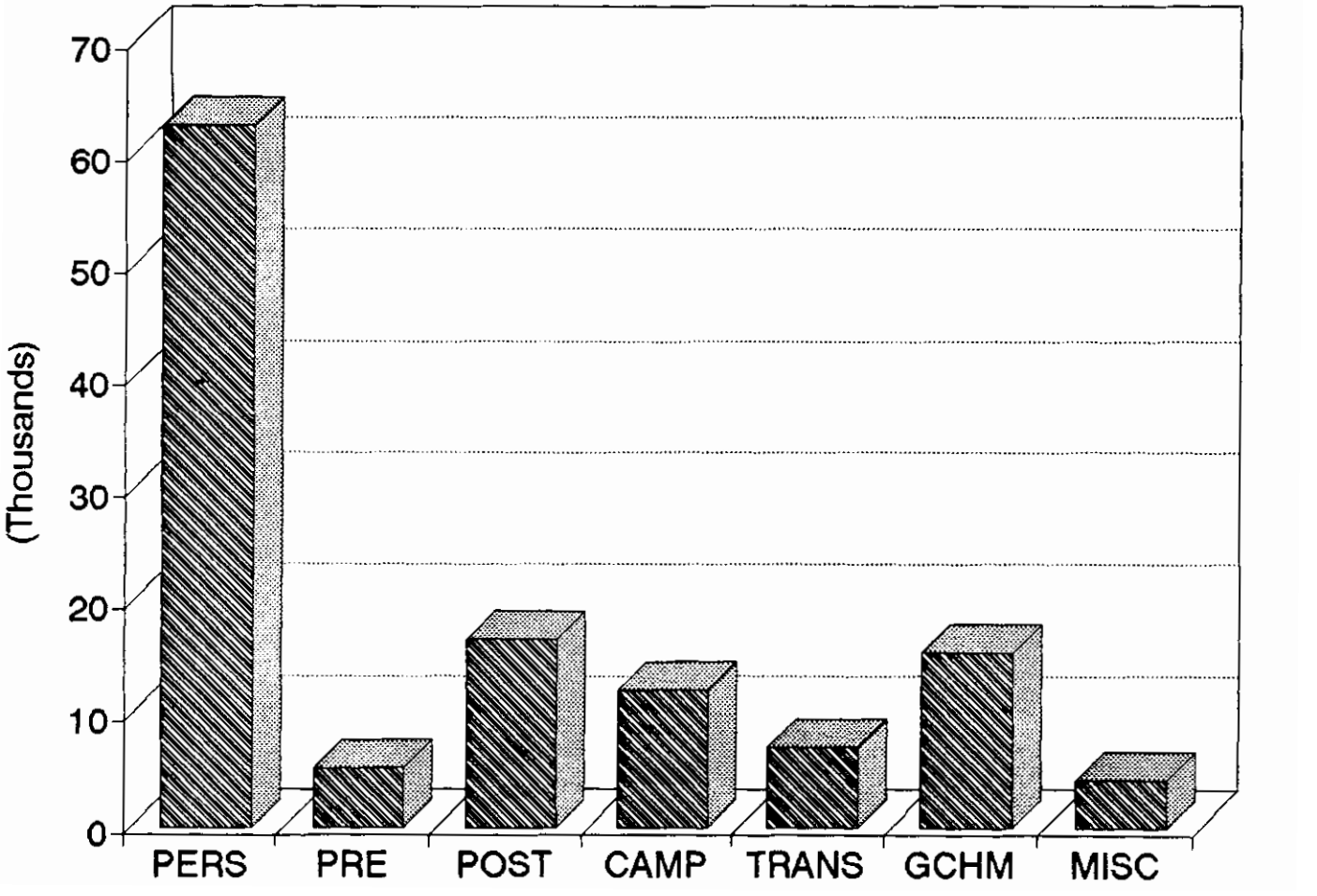
APPENDIX III

Statement of Expenditures

STATEMENT OF EXPENDITURES

Pre-Field		**$ 5,201.90**
Field Program		
Personnel	$62,592.50	
Camp Support	12,161.07	
Transportation	7,155.72	
Geochemical Analyses	15,626.94	
Miscellaneous (Geophysics, Trenching)	4,255.64	**$101,791.87**
Post-Field		**$ 16,768.92**
TOTAL EXPENDITURES:		**$123,762.69**

LEMARE PROPERTY EXPENDITURES



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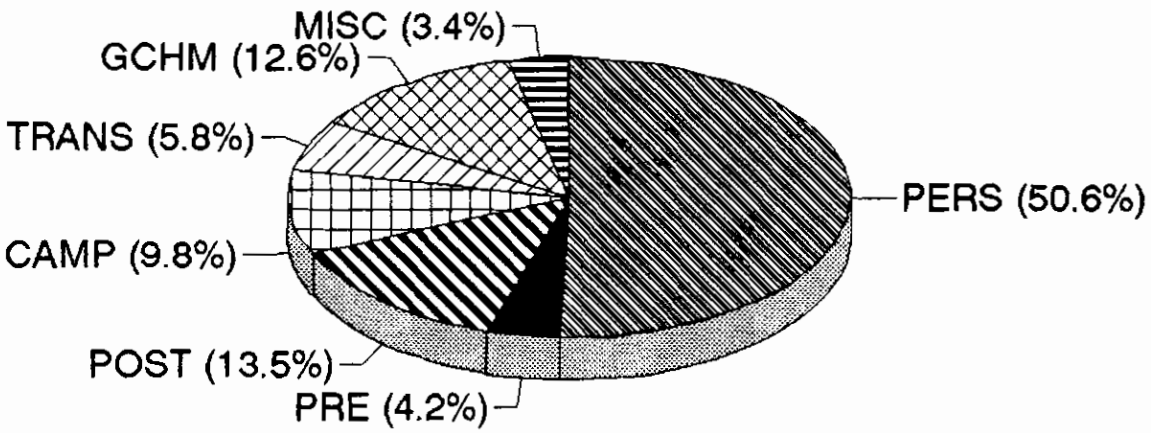


APPENDIX IV

Analytical Techniques

ANALYTICAL PROCEDURES USED BY BONDAR-CLEGG AND COMPANY LIMITED

Sample Preparation

Silt and Soil

Dry and sieve through 80 mesh screens. Gold values are determined on 30 gram, representative sample of minus 80 fraction by fire assay with AA finish; remaining elements are determined using 0.6 gram sample of minus 80 fraction by hot aqua regia digestion followed by ICP.

Rocks

Dry and crush to minus 150 mesh; analysis made on minus 150 fraction by methods described above.

Geochemical Analysis

Gold is determined on a test sample of 30 g using Fire Assay Lead Collection pre-concentration. The bead is dissolved in nitric acid and hydrochloric acid and run by Atomic Absorption.

Mercury is determined on a test sample of 0.6 g. The sample is digested by aqua regia and bulked to 12 ml. The solution is then run by ICP.

Fire Assay Procedure for Au

A prepared sample of one assay ton (29.166 grams) is mixed with a flux which is composed mainly of lead oxide. The proportions of the flux components (the litharge, soda, silica, borax glass and flour) are adjusted depending upon the nature of the sample. Silver is added to help collect the gold. The samples are fused at 1950°F until a clear melt is obtained. The 30-40 gram lead button that is produced contains the precious metals. It is then separated from the slag. Heating in the cupellation furnace separates the lead from the noble metals. The normal-sized precious metal beads that are produced are transferred to test tubes and dissolved with aqua-regia. This solution is analyzed using Atomic Absorption by comparing the absorbance of these solutions with that of standard solutions. In the case of high grade samples, the precious metal bead is parted to separate the silver and the remaining gold is weighed.

Comments

As part of the routine quality control, we run a duplicate analysis for about 12% of the samples. Also, all samples which are over 0.20 opt on the original fusion are run again to verify the results. If a sample gives erratic results, such as 0.10, 0.020, 0.30, we will indicate this on the report. We suggest that a new split should be taken from the reject for preparation and analysis by our metallics sieve procedure. These assay results will always be signed by the registered assayer.

Contamination Prevention

The test tubes and cupels are used only once so that there is no possibility of cross contamination. The fusion crucibles are cleared before re-use by discarding any which had high samples in them. During the analysis a blank solution is run between each sample to ensure that there is no carry over.

Determination of Arsenic by Borohydride Generation

Samples of 0.5 grams in weight are digested in borosilicate glass test tubes, with concentrated nitric and hydrochloric acids. These tubes are heated in a 90°C water bath for two and one-half hours. The sample is then diluted with 14% HCl and mixed. A 0.5 ml aliquot is taken from this solution and HCl, deionized water, and potassium iodide are added. The resulting mixture is allowed to sit for one hour, after which it is run through a hydride generation system. In this system, the solution is reduced with sodium borohydride, releasing arsenic in arsine gas. The arsine gas is then swept into a quartz furnace mounted on a flame AA unit. The absorbance is recorded and compared to a standard series to determine the amount of arsenic present.

Quality Control

Standards, repeats and blanks are run with each batch of samples. These are carefully checked and reweighs of samples are ordered if necessary. High arsenic results are also checked by running the original solution by flame AA and comparing the results from the two procedures.

The lower detection limits for the elements analyzed are listed below:

Element	Lower Detection Limit
Au Gold 30 grams	5 ppb
Ag Silver	0.2 ppm
Cu Copper	1 ppm
Pb Lead	2 ppm
Zn Zinc	1 ppm
As Arsenic	5 ppm
Sb Antimony	5 ppm
Mo Molybdenum	1 ppm
Hg Mercury	0.010 ppm

APPENDIX V

Table of Geochemical Threshold Values and Summary Statistics

TABLE OF GEOCHEMICAL THRESHOLD VALUES

Element	Mean + 2 Standard Deviations	Percentile	Selected Threshold	Percentile
*Cu	138.6 ppm	96%	90 ppm	91%
*Mo	4.56 ppm	96%	4 ppm	94%
Au	17 ppb	96%	20 ppb	97%
Ag	0.2 ppm	98%	0.2 ppm	98%
Zn	190.6 ppm	95%	250 ppm	98%

* Statistics for Cu and Mo are based on sampling conducted primarily within mineralized areas. "Selected Thresholds" are considered representative based on regional sampling.

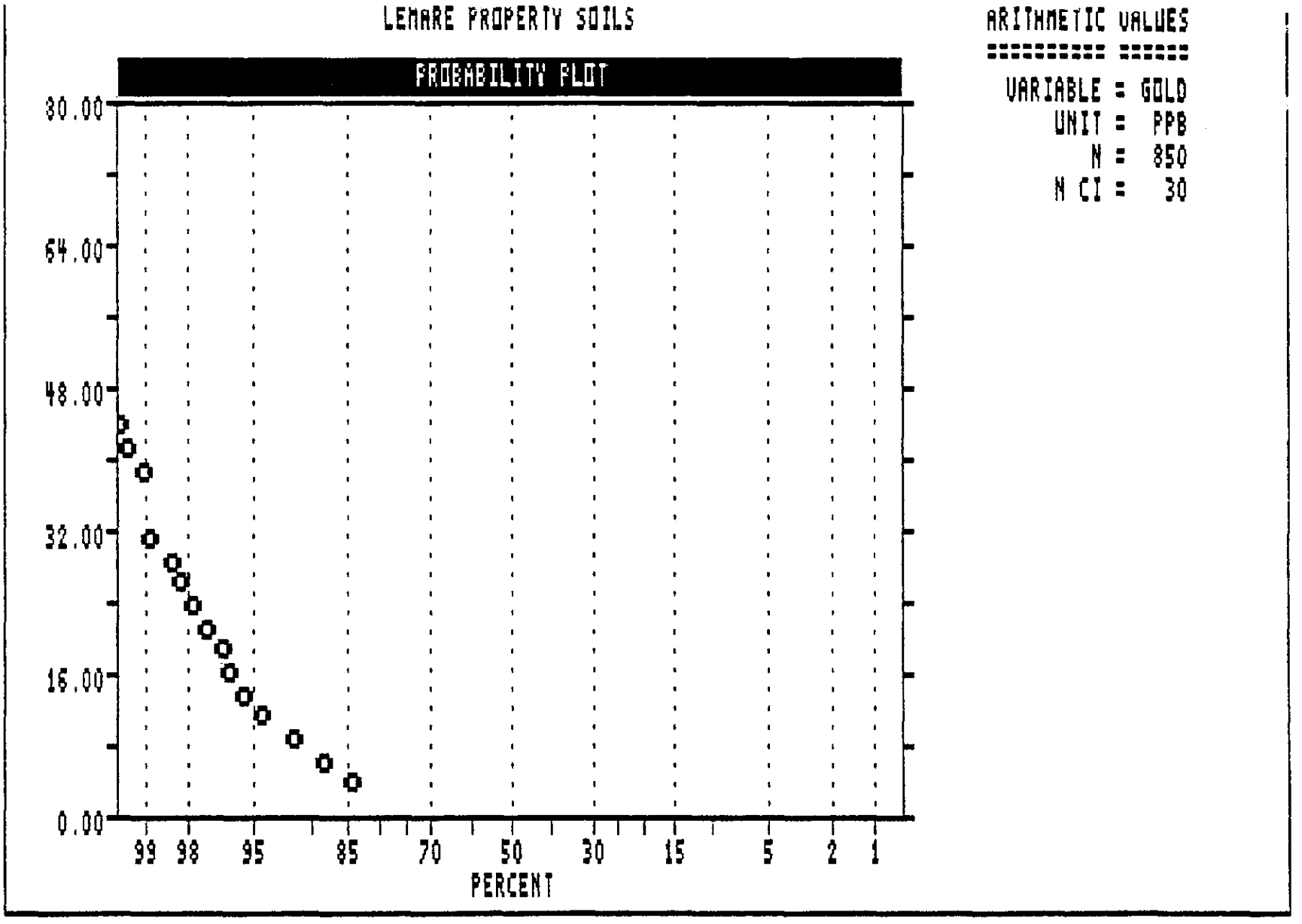
SUMMARY STATISTICS and HISTOGRAM — ARITHMETIC VALUES

Variable = GOLD		Unit = PPB		N = 850	
Mean =	4.258	Min =	2.500	1st Quartile =	2.500
Std. Dev. =	6.369	Max =	75.000	Median =	2.500
CV % =	149.570	Skewness =	6.191	3rd Quartile =	2.500

%	cum %	cls int	(# of bins = 30 - bin size = 2.500)
0.00	0.06	1.250	
84.35	84.31	3.750	********** --> 239
4.00	88.31	6.250	**********
3.29	91.60	8.750	*********
2.71	94.30	11.250	********
1.29	95.59	13.750	****
0.71	96.30	16.250	**
0.35	96.65	18.750	*
0.71	97.36	21.250	**
0.47	97.83	23.750	*
0.35	98.18	26.250	*
0.24	98.41	28.750	*
0.47	98.88	31.250	*
0.00	98.88	33.750	
0.00	98.88	36.250	
0.12	99.00	38.750	
0.24	99.24	41.250	*
0.12	99.35	43.750	
0.00	99.35	46.250	
0.12	99.47	48.750	
0.00	99.47	51.250	
0.12	99.59	53.750	
0.12	99.71	56.250	
0.00	99.71	58.750	
0.00	99.71	61.250	
0.00	99.71	63.750	
0.00	99.71	66.250	
0.00	99.71	68.750	
0.00	99.71	71.250	
0.12	99.82	73.750	
0.12	99.94	76.250	

0 1 2 3 4

Each "*" represents approximately 3.0 observations.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32.00
16.00
0.00
99
98
95
85
70
50
30
15
5
2
1
PERCENT
ARITHMETIC VALUES
VARIABLE = GOLD
UNIT = PPB
N = 850
N CI = 30

SUMMARY STATISTICS and HISTOGRAM — LOGARITHMIC VALUES

Variable = GOLD Unit = PPB N = 850

Mean =	0.4972	Min =	0.3979	1st Quartile =	0.3979
Std. Dev. =	0.2547	Max =	1.8751	Median =	0.3979
CV % =	51.2362	Skewness =	2.7530	3rd Quartile =	0.3979

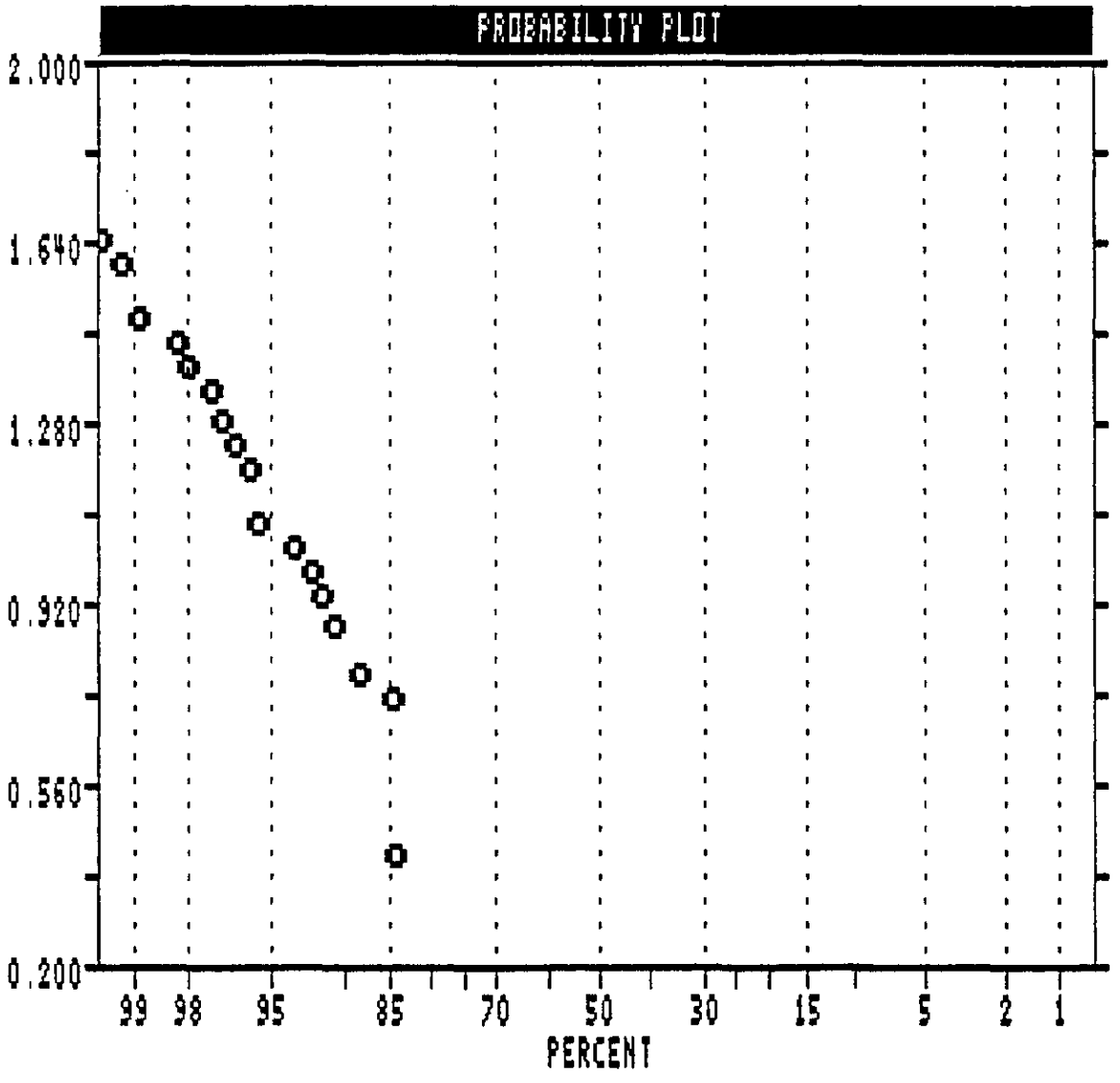
Anti-Log Mean = 3.142 Anti-Log Std. Dev. : (-) 1.748 (+) 5.648

%	cum %	antilog	cls int	(# of bins = 30 - bin size = 0.0509)
0.00	0.06	2.358	0.3725	
84.35	84.31	2.651	0.4234	********** --> 239
0.00	84.31	2.981	0.4743	
0.00	84.31	3.352	0.5253	
0.00	84.31	3.769	0.5762	
0.00	84.31	4.238	0.6271	
0.00	84.31	4.765	0.6781	
0.47	84.78	5.358	0.7290	*
3.53	88.31	6.025	0.7800	**********
0.00	88.31	6.775	0.8309	
2.35	90.66	7.618	0.8818	*******
0.94	91.60	8.566	0.9328	***
0.82	92.42	9.632	0.9837	**
1.18	93.60	10.830	1.0346	***
2.00	95.59	12.178	1.0856	******
0.00	95.59	13.693	1.1365	
0.35	95.95	15.397	1.1874	*
0.59	96.53	17.313	1.2384	**
0.47	97.00	19.467	1.2893	*
0.35	97.36	21.890	1.3402	*
0.59	97.94	24.614	1.3912	**
0.24	98.18	27.677	1.4421	*
0.71	98.88	31.121	1.4930	**
0.00	98.88	34.993	1.5440	
0.24	99.12	39.348	1.5949	*
0.24	99.35	44.244	1.6459	*
0.12	99.47	49.749	1.6968	
0.24	99.71	55.940	1.7477	*
0.00	99.71	62.901	1.7987	
0.00	99.71	70.728	1.8496	
0.24	99.94	79.530	1.9005	*

0 1 2 3 4

Each "*" represents approximately 3.0 observations.

LEMARE PROPERTY SOILS



LOGARITHMIC VALUES

VARIABLE =	GOLD
UNIT =	PPB
N =	850
N CI =	30

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

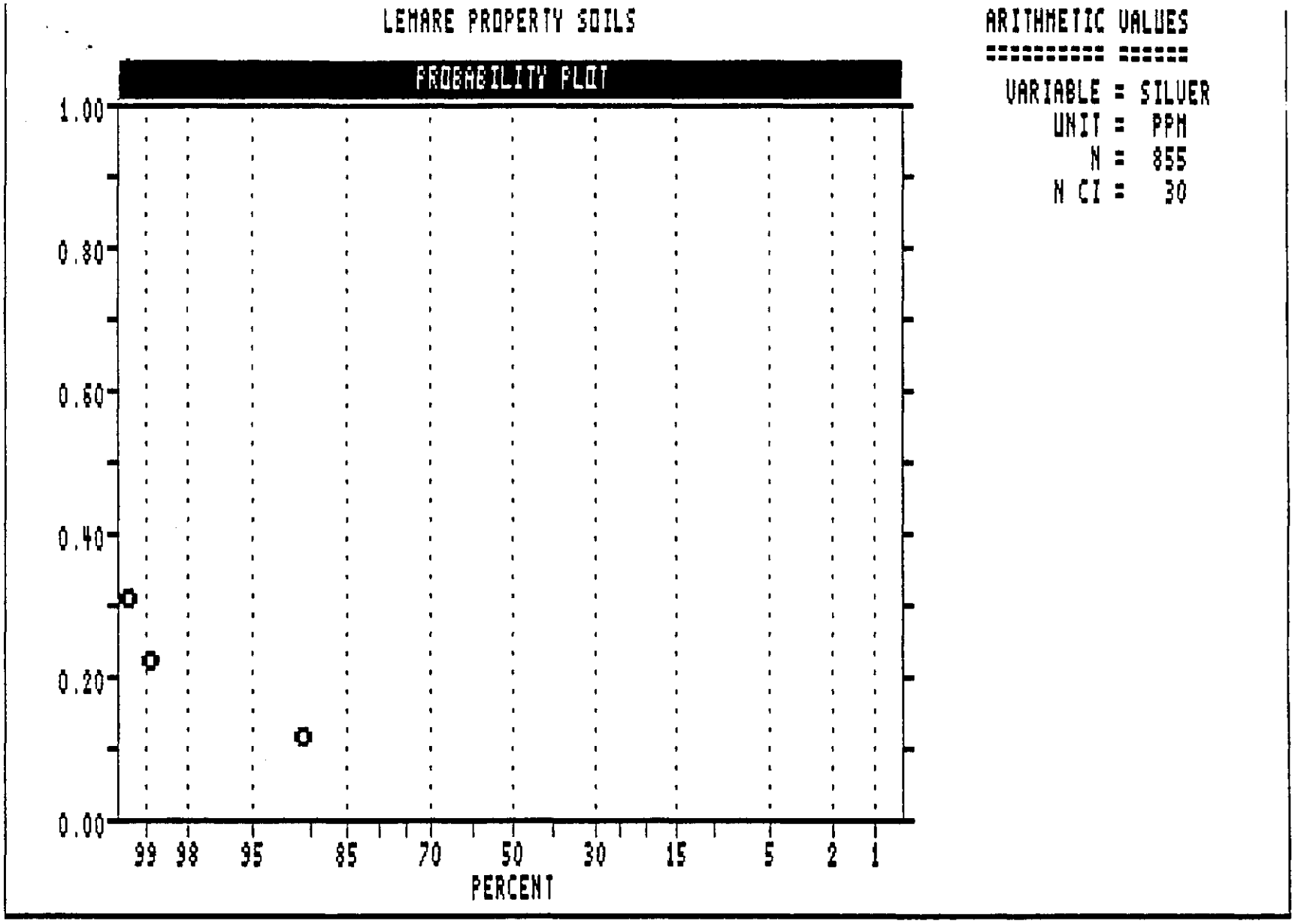
Variable = SILVER Unit = PPM N = 855

Mean =	0.112	Min =	0.100	1st Quartile =	0.100
Std. Dev. =	0.049	Max =	0.900	Median =	0.100
CV % =	43.469	Skewness =	8.131	3rd Quartile =	0.100

%	cum %	cls int	(# of bins = 30 - bin size = 0.028)
0.00	0.06	0.086	
90.64	90.60	0.114	********** --> 258
0.00	90.60	0.141	
0.00	90.60	0.169	
0.00	90.60	0.197	
8.30	98.89	0.224	**********
0.00	98.89	0.252	
0.00	98.89	0.279	
0.35	99.24	0.307	*
0.00	99.24	0.334	
0.00	99.24	0.362	
0.00	99.24	0.390	
0.35	99.59	0.417	*
0.00	99.59	0.445	
0.00	99.59	0.472	
0.00	99.59	0.500	
0.12	99.71	0.528	
0.00	99.71	0.555	
0.00	99.71	0.583	
0.12	99.82	0.610	
0.00	99.82	0.638	
0.00	99.82	0.666	
0.00	99.82	0.693	
0.00	99.82	0.721	
0.00	99.82	0.748	
0.00	99.82	0.776	
0.00	99.82	0.803	
0.00	99.82	0.831	
0.00	99.82	0.859	
0.00	99.82	0.886	
0.12	99.94	0.914	

0 1 2 3 4

Each "*" represents approximately 3.0 observations.


LEMARE PROPERTY SOILS
PROBABILITY PLOT
1.00
0.80
0.60
0.40
0.20
0.00
99 98 95 85 70 50 30 15 5 2 1
PERCENT
ARITHMETIC VALUES
VARIABLE = SILVER
UNIT = PPM
N = 855
N CI = 30

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = SILVER Unit = PPM N = 855

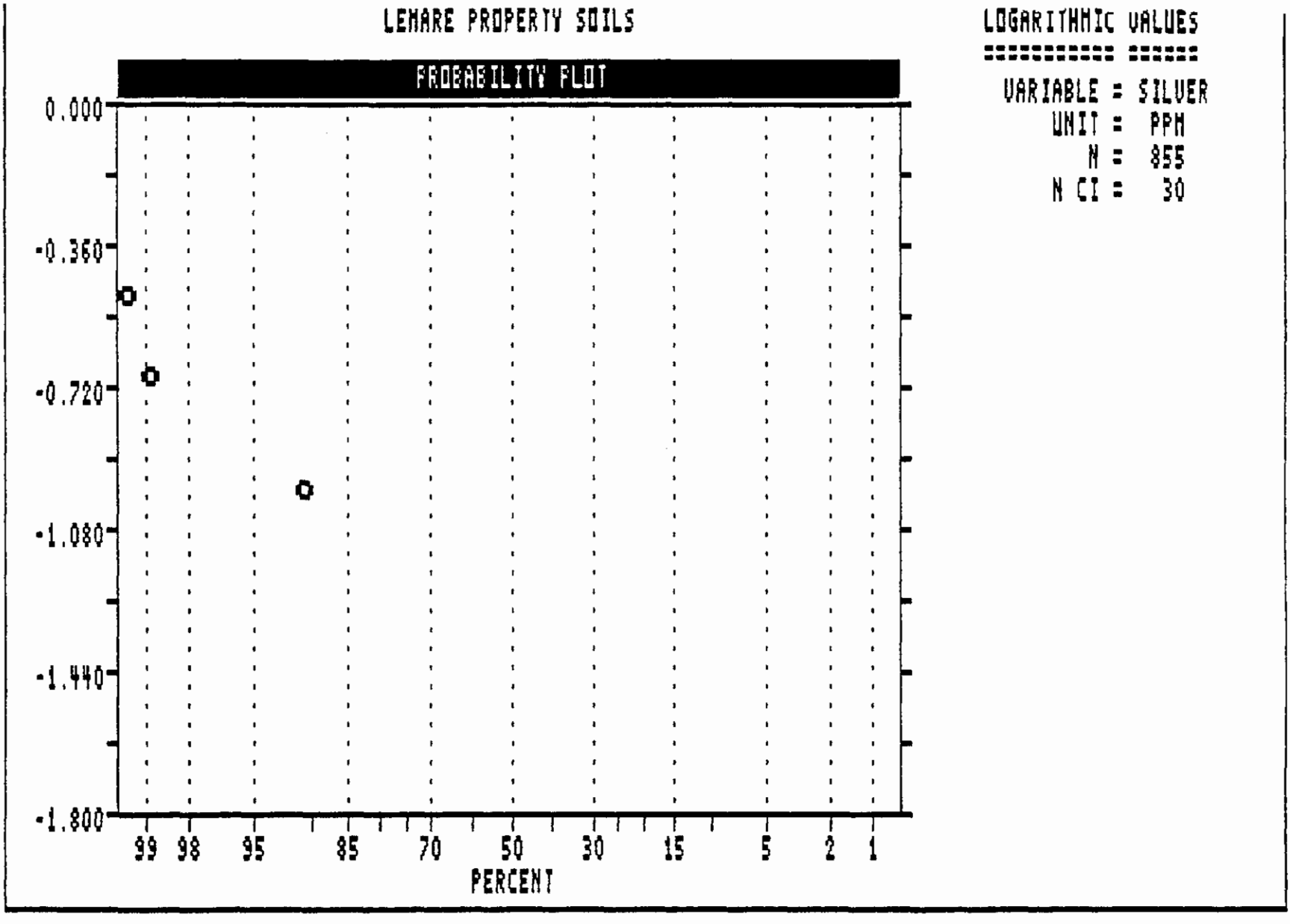
Mean =	-0.9684	Min =	-1.0000	1st Quartile =	-1.0000
Std. Dev. =	0.1047	Max =	-0.0458	Median =	-1.0000
CV % =	10.8074	Skewness =	3.7637	3rd Quartile =	-1.0000

Anti-Log Mean = 0.108 Anti-Log Std. Dev. : (-) 0.085
(+) 0.137

%	cum %	antilog	cls int	(# of bins = 30 - bin size = 0.0329)
0.00	0.06	0.096	-1.0165	
90.64	90.60	0.104	-0.9835	********** --> 258
0.00	90.60	0.112	-0.9506	
0.00	90.60	0.121	-0.9177	
0.00	90.60	0.130	-0.8848	
0.00	90.60	0.141	-0.8519	
0.00	90.60	0.152	-0.8190	
0.00	90.60	0.164	-0.7861	
0.00	90.60	0.177	-0.7532	
0.00	90.60	0.190	-0.7203	
8.30	98.89	0.205	-0.6874	**********
0.00	98.89	0.222	-0.6545	
0.00	98.89	0.239	-0.6216	
0.00	98.89	0.258	-0.5887	
0.00	98.89	0.278	-0.5558	
0.00	98.89	0.300	-0.5229	
0.35	99.24	0.324	-0.4900	*
0.00	99.24	0.349	-0.4571	
0.00	99.24	0.377	-0.4242	
0.35	99.59	0.406	-0.3913	*
0.00	99.59	0.438	-0.3584	
0.00	99.59	0.473	-0.3254	
0.12	99.71	0.510	-0.2925	
0.00	99.71	0.550	-0.2596	
0.00	99.71	0.593	-0.2267	
0.12	99.82	0.640	-0.1938	
0.00	99.82	0.690	-0.1609	
0.00	99.82	0.745	-0.1280	
0.00	99.82	0.803	-0.0951	
0.00	99.82	0.867	-0.0622	
0.12	99.94	0.935	-0.0293	

0 1 2 3 4

Each "*" represents approximately 3.0 observations.


LEHARE PROPERTY SOILS
PROBABILITY PLOT
0.000
-0.360
-0.720
-1.080
-1.440
-1.800
99 98 95 85 70 50 30 15 5 2 1
PERCENT
LOGARITHMIC VALUES
VARIABLE = SILVER
UNIT = PPM
N = 855
N CI = 30

SUMMARY STATISTICS and HISTOGRAM — ARITHMETIC VALUES

Variable = COPPER Unit = PPM N = 850

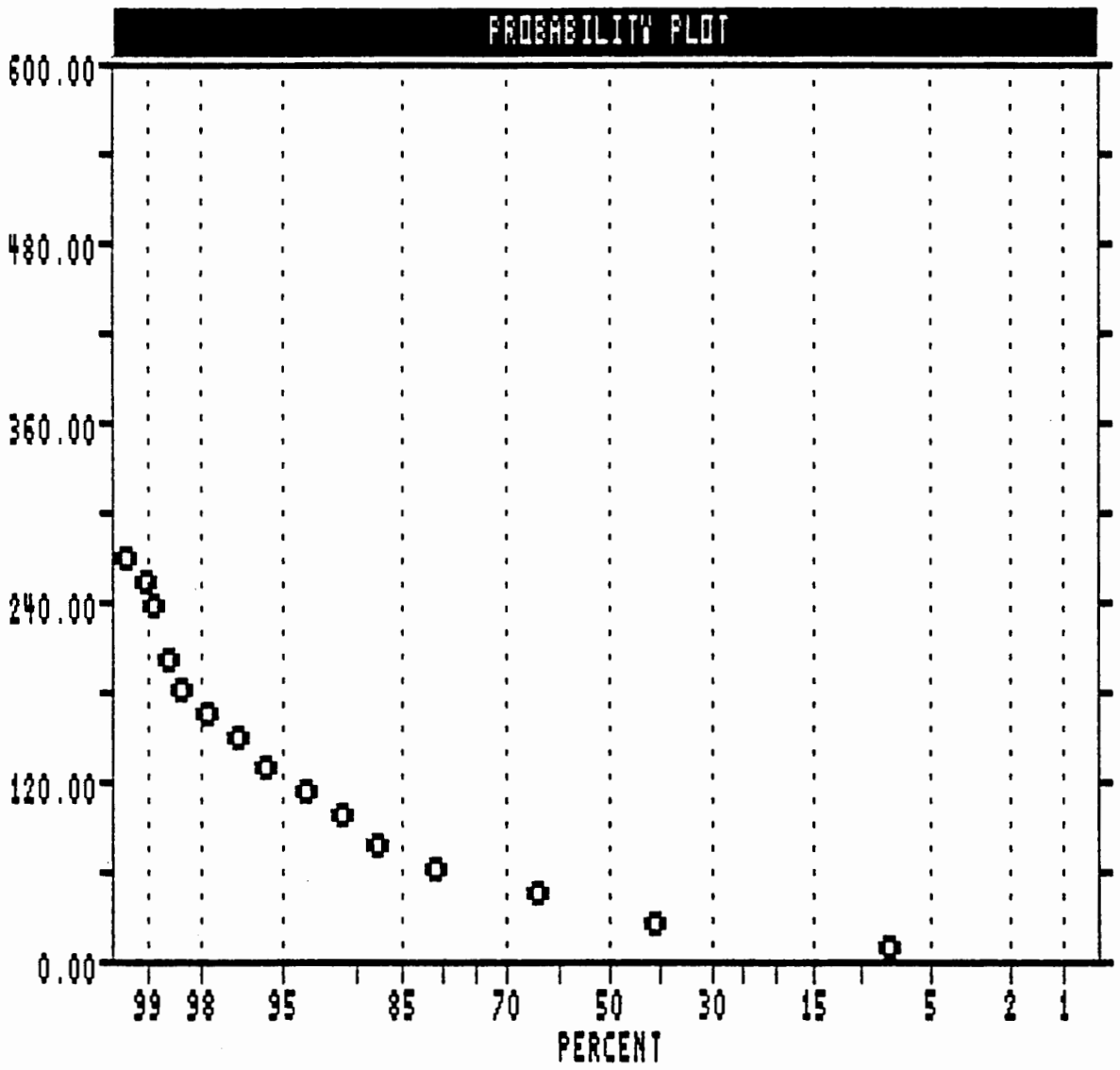
Mean =	45.607	Min =	1.000	1st Quartile =	21.000
Std. Dev. =	46.493	Max =	506.000	Median =	34.000
CV % =	101.944	Skewness =	4.245	3rd Quartile =	54.000

%	cum %	cls int	(# of bins = 30 - bin size = 17.414)		
0.00	0.06	-7.707			
7.53	7.58	9.707	**********		
32.82	40.36	27.121	**********	-->	93
23.76	64.10	44.534	**********	-->	67
16.82	80.90	61.948	**********	-->	48
6.94	87.84	79.362	**********		
3.18	91.01	96.776	*********		
2.59	93.60	114.190	*******		
2.24	95.83	131.603	******		
1.06	96.89	149.017	***		
0.94	97.83	166.431	***		
0.59	98.41	183.845	**		
0.24	98.65	201.259	*		
0.00	98.65	218.672			
0.24	98.88	236.086	*		
0.12	99.00	253.500			
0.24	99.24	270.914	*		
0.24	99.47	288.328	*		
0.00	99.47	305.741			
0.00	99.47	323.155			
0.00	99.47	340.569			
0.12	99.59	357.983			
0.00	99.59	375.397			
0.00	99.59	392.810			
0.12	99.71	410.224			
0.00	99.71	427.638			
0.00	99.71	445.052			
0.00	99.71	462.466			
0.00	99.71	479.879			
0.12	99.82	497.293			
0.12	99.94	514.707			

0 1 2 3 4

Each "*" represents approximately 3.0 observations.

LEHARE PROPERTY SOILS



ARITHMETIC VALUES

VARIABLE = COPPER
UNIT = PPM
N = 850
N CI = 30

SUMMARY STATISTICS and HISTOGRAM — LOGARITHMIC VALUES

Variable = COPPER Unit = PPM N = 850

Mean =	1.5101	Min =	0.0000	1st Quartile =	1.3222
Std. Dev. =	0.3714	Max =	2.7042	Median =	1.5315
CV % =	24.5938	Skewness =	-0.4657	3rd Quartile =	1.7324

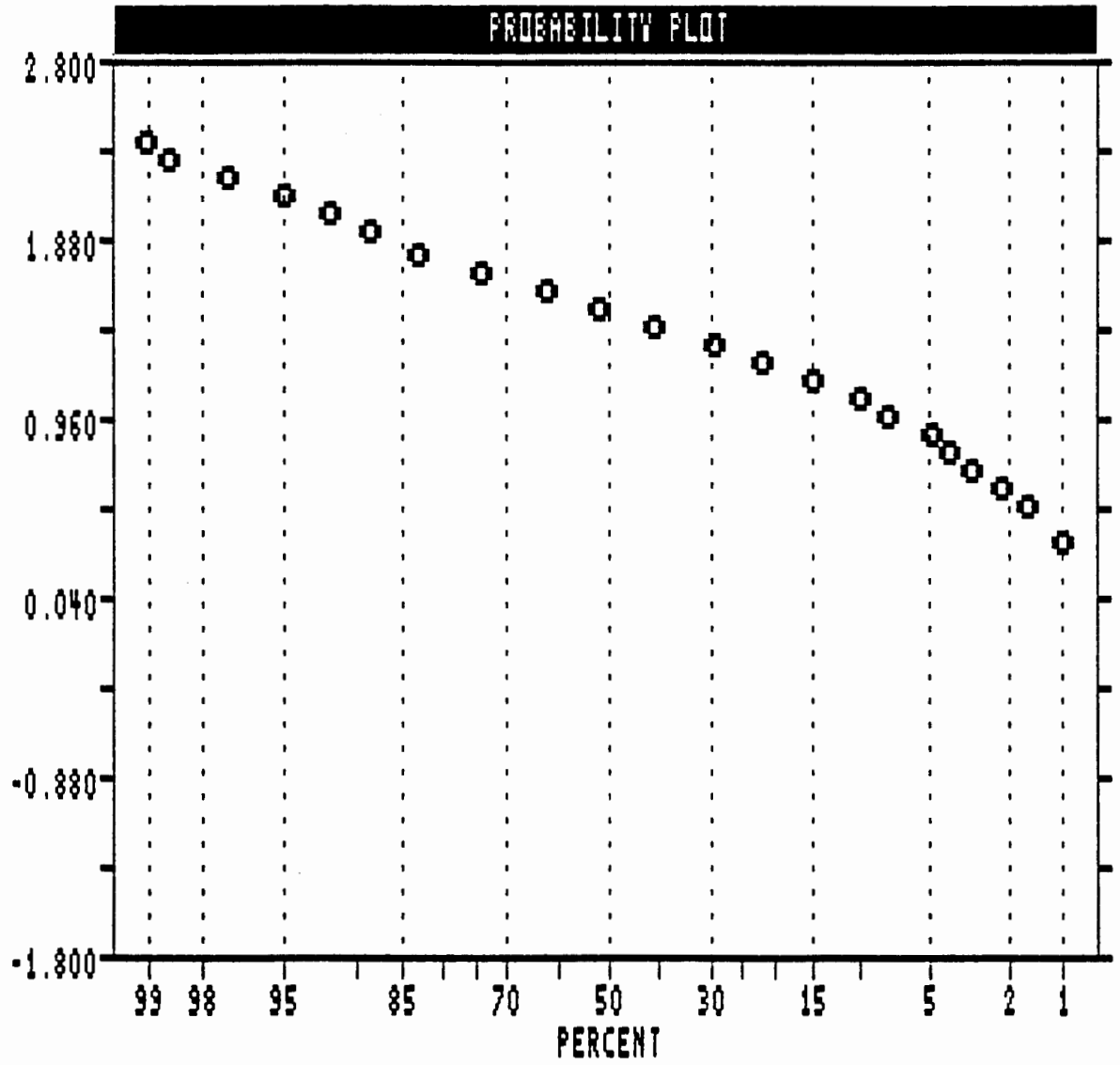
Anti-Log Mean = 32.365 Anti-Log Std. Dev. : (-) 13.762 (+) 76.113

%	cum %	antilog	cls int	(# of bins = 30 - bin size = 0.0932)
0.00	0.06	0.898	-0.0466	
0.47	0.53	1.113	0.0466	*
0.00	0.53	1.380	0.1399	
0.00	0.53	1.710	0.2331	
0.47	1.00	2.120	0.3264	*
0.00	1.00	2.628	0.4196	
0.59	1.59	3.257	0.5129	**
0.59	2.17	4.037	0.6061	**
0.94	3.11	5.004	0.6993	***
0.82	3.94	6.203	0.7926	**
0.82	4.76	7.689	0.8858	**
2.82	7.58	9.530	0.9791	********
2.24	9.81	11.812	1.0723	******
5.06	14.86	14.641	1.1656	***************
6.47	21.33	18.148	1.2588	*******************
7.88	29.20	22.494	1.3521	************************
11.18	40.36	27.882	1.4453	**********************************
10.94	51.29	34.560	1.5386	**********************************
10.82	62.10	42.837	1.6318	**********************************
11.76	73.85	53.096	1.7251	**********************************
9.29	83.14	65.812	1.8183	*****************************
5.41	88.54	81.575	1.9116	**************
3.41	91.95	101.112	2.0048	**********
2.94	94.89	125.328	2.0980	********
2.35	97.24	155.344	2.1913	*******
1.41	98.65	192.549	2.2845	****
0.35	99.00	238.664	2.3778	*
0.47	99.47	295.824	2.4710	*
0.12	99.59	366.674	2.5643	
0.12	99.71	454.493	2.6575	
0.24	99.94	563.344	2.7508	*

0 1 2 3 4

Each "*" represents approximately 3.0 observations.

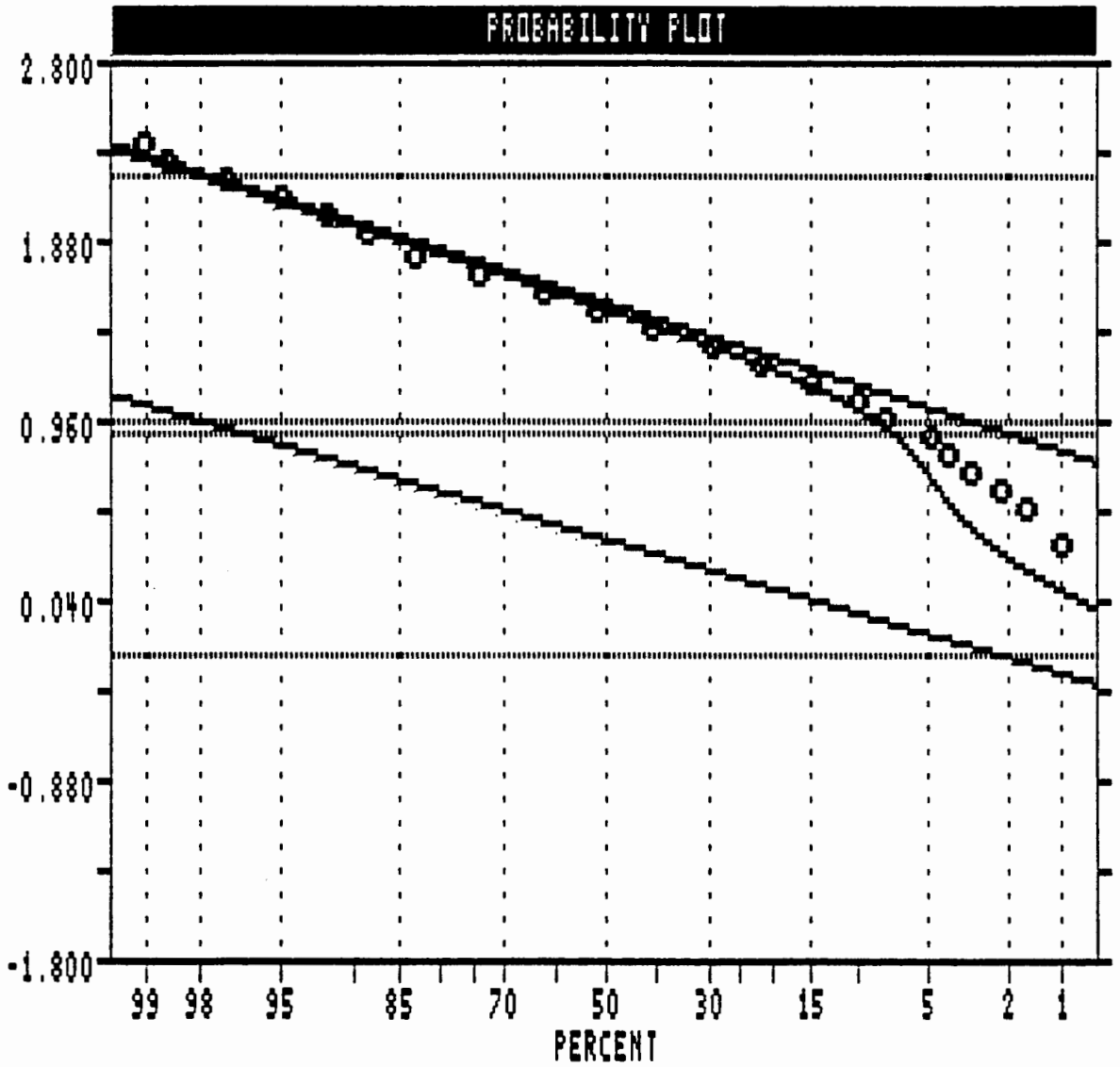
LEMARE PROPERTY SOILS



LOGARITHMIC VALUES

VARIABLE = COPPER
UNIT = PPM
N = 850
N CI = 30

LEHARE PROPERTY SOILS



LOGARITHMIC VALUES

VARIABLE = COPPER
UNIT = PPM
N = 850
N CI = 30

POPULATIONS

Pop.	Mean	Std.Dev.	%
1	0.3383	0.2974	5.2
2	1.5423	0.3231	94.8

THRESHOLDS

Pop.		
1	-0.2564	0.9331
2	0.8961	2.1885

CI CHI SQUARED
PARAMETER ESTIMATES

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = B:SOILSTAT.PRN

Variable = COPPER Unit = PPM N = 850
N CI = 30

Transform = Logarithmic Number of Populations = 2

# of Missing Observations = 0.

0 Observations Were Below the Minimum Value of 1.0000
5 Observations Were Above the Maximum Value of 600.0000

==========

Class Interval Data Chi Squared Parameter Estimates

Population	Mean		Std Dev	Percentage
1	2.179	-	1.099	5.19
		+	4.322	
2	34.860	-	16.566	94.81
		+	73.356	

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	0.554	8.573
2	7.873	154.364

##

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

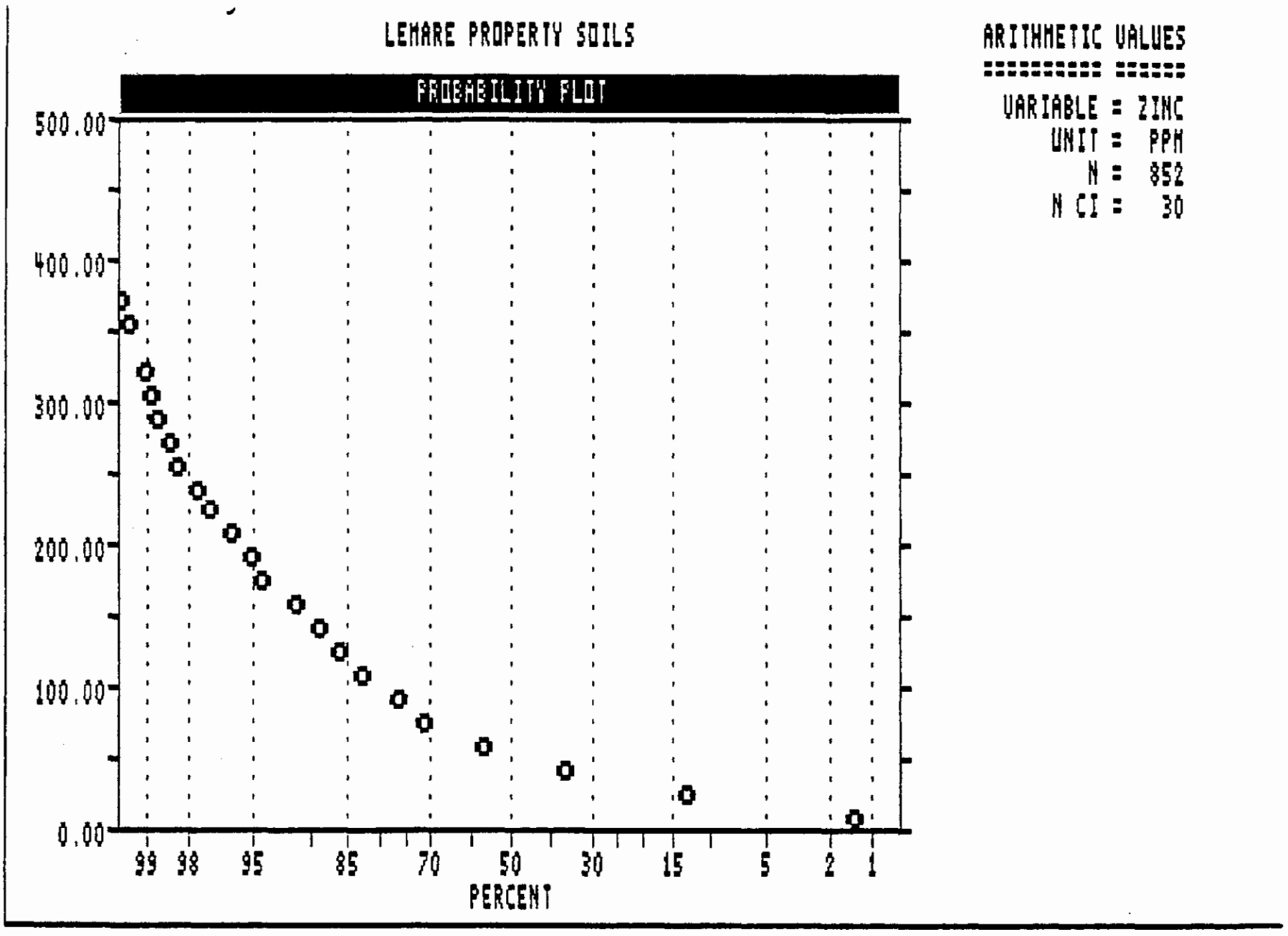
Variable = ZINC Unit = PPM N = 852

Mean =	71.236	Min =	1.000	1st Quartile =	34.000
Std. Dev. =	59.701	Max =	479.000	Median =	53.000
CV % =	83.808	Skewness =	2.525	3rd Quartile =	86.000

%	cum %	cls int	(# of bins = 30 - bin size = 16.483)	
0.00	0.06	-7.241		
1.29	1.35	9.241	****	
11.50	12.84	25.724	**********	
23.12	35.93	42.207	********** -->	66
20.77	56.68	58.690	********** -->	59
14.20	70.87	75.172	********** -->	40
5.63	76.49	91.655	*****	
6.46	82.94	108.138	******	
3.17	86.11	124.621	*****	
2.58	88.69	141.103	*******	
2.82	91.50	157.586	********	
2.82	94.31	174.069	********	
0.70	95.02	190.552	**	
1.17	96.19	207.034	***	
1.06	97.25	223.517	***	
0.47	97.71	240.000	*	
0.59	98.30	256.483	**	
0.23	98.53	272.966	*	
0.23	98.77	289.448	*	
0.12	98.89	305.931		
0.12	99.00	322.414		
0.00	99.00	338.897		
0.23	99.24	355.379	*	
0.12	99.36	371.862		
0.12	99.47	388.345		
0.12	99.59	404.828		
0.00	99.59	421.310		
0.23	99.82	437.793	*	
0.00	99.82	454.276		
0.00	99.82	470.759		
0.12	99.94	487.241		

0 1 2 3 4

Each "*" represents approximately 3.0 observations.



ARITHMETIC VALUES

VARIABLE =	ZINC
UNIT =	PPM
N =	852
N CI =	30

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = ZINC Unit = PPM N = 852

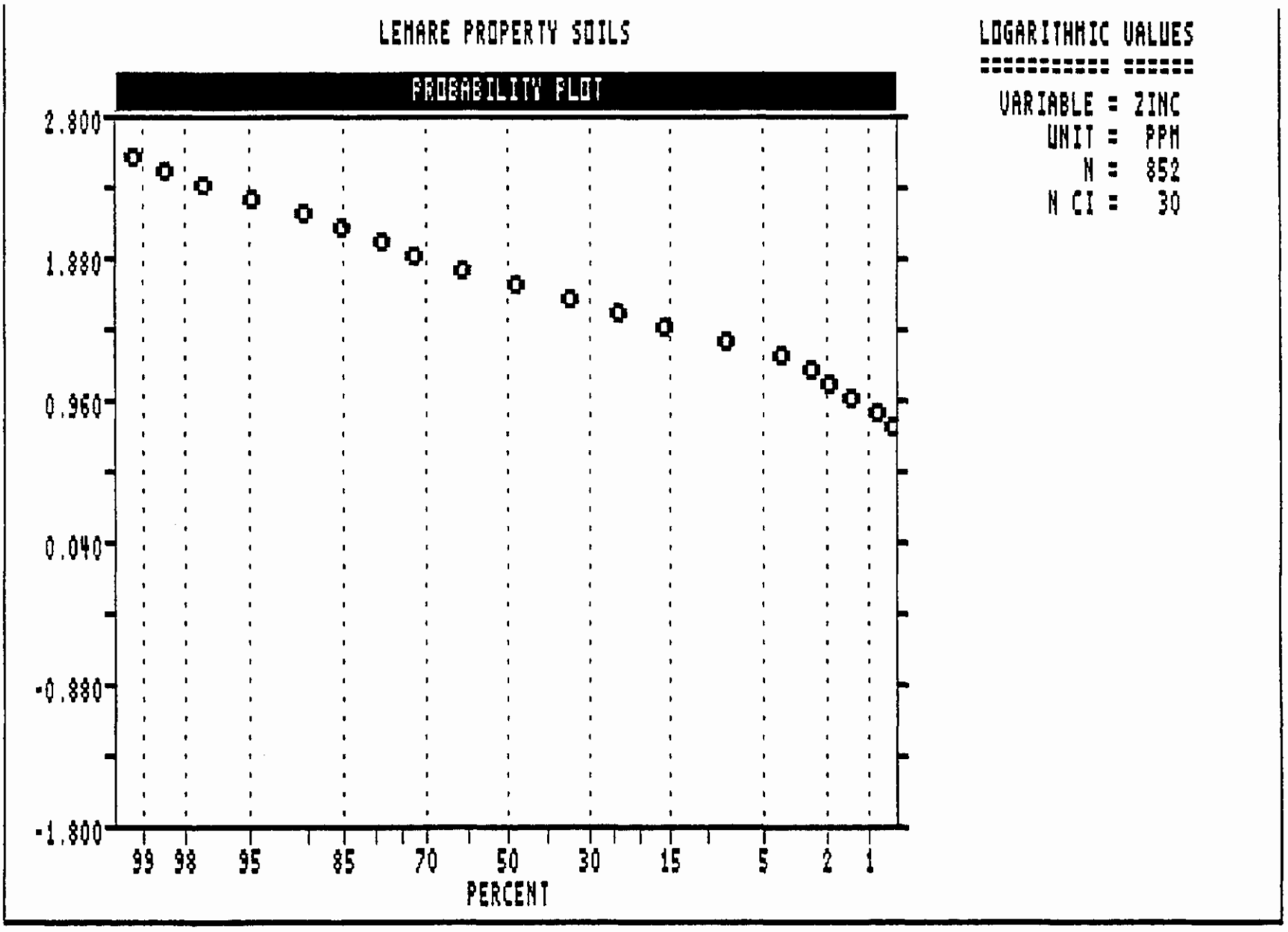
Mean =	1.7375	Min =	0.0000	1st Quartile =	1.5315
Std. Dev. =	0.3165	Max =	2.6803	Median =	1.7243
CV % =	18.2167	Skewness =	-0.1134	3rd Quartile =	1.9345

Anti-Log Mean = 54.634 Anti-Log Std. Dev. : (-) 26.361
(+) 113.233

%	cum %	antilog	cls int	(# of bins = 30 - bin size = 0.0924)
0.00	0.06	0.899	-0.0462	
0.12	0.18	1.112	0.0462	
0.00	0.18	1.376	0.1386	
0.00	0.18	1.702	0.2311	
0.00	0.18	2.106	0.3235	
0.00	0.18	2.606	0.4159	
0.00	0.18	3.224	0.5083	
0.00	0.18	3.988	0.6008	
0.00	0.18	4.934	0.6932	
0.47	0.64	6.104	0.7856	*
0.23	0.88	7.552	0.8780	*
0.47	1.35	9.343	0.9705	*
0.59	1.93	11.558	1.0629	**
0.59	2.52	14.299	1.1553	**
1.41	3.93	17.691	1.2477	****
3.99	7.91	21.886	1.3402	**********
7.75	15.65	27.077	1.4326	**********
8.10	23.74	33.498	1.5250	**********
10.21	33.94	41.442	1.6174	**********
13.62	47.54	51.271	1.7099	**********
13.50	61.02	63.430	1.8023	**********
11.38	72.39	78.473	1.8947	**********
6.10	78.49	97.083	1.9871	**********
6.81	85.29	120.108	2.0796	**********
4.81	90.09	148.592	2.1720	**********
4.69	94.78	183.832	2.2644	**********
2.58	97.36	227.429	2.3568	*******
1.17	98.53	281.366	2.4493	***
0.59	99.12	348.095	2.5417	**
0.70	99.82	430.648	2.6341	**
0.12	99.94	532.780	2.7265	

0 1 2 3 4

Each "*" represents approximately 3.0 observations.


LEHARE PROPERTY SOILS
PROBABILITY PLOT
2.800
1.880
0.960
0.040
-0.880
-1.800
99 98 95 85 70 50 30 15 5 2 1
PERCENT
LOGARITHMIC VALUES
VARIABLE = ZINC
UNIT = PPM
N = 852
N CI = 30

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable = MOLY Unit = PPM N = 852

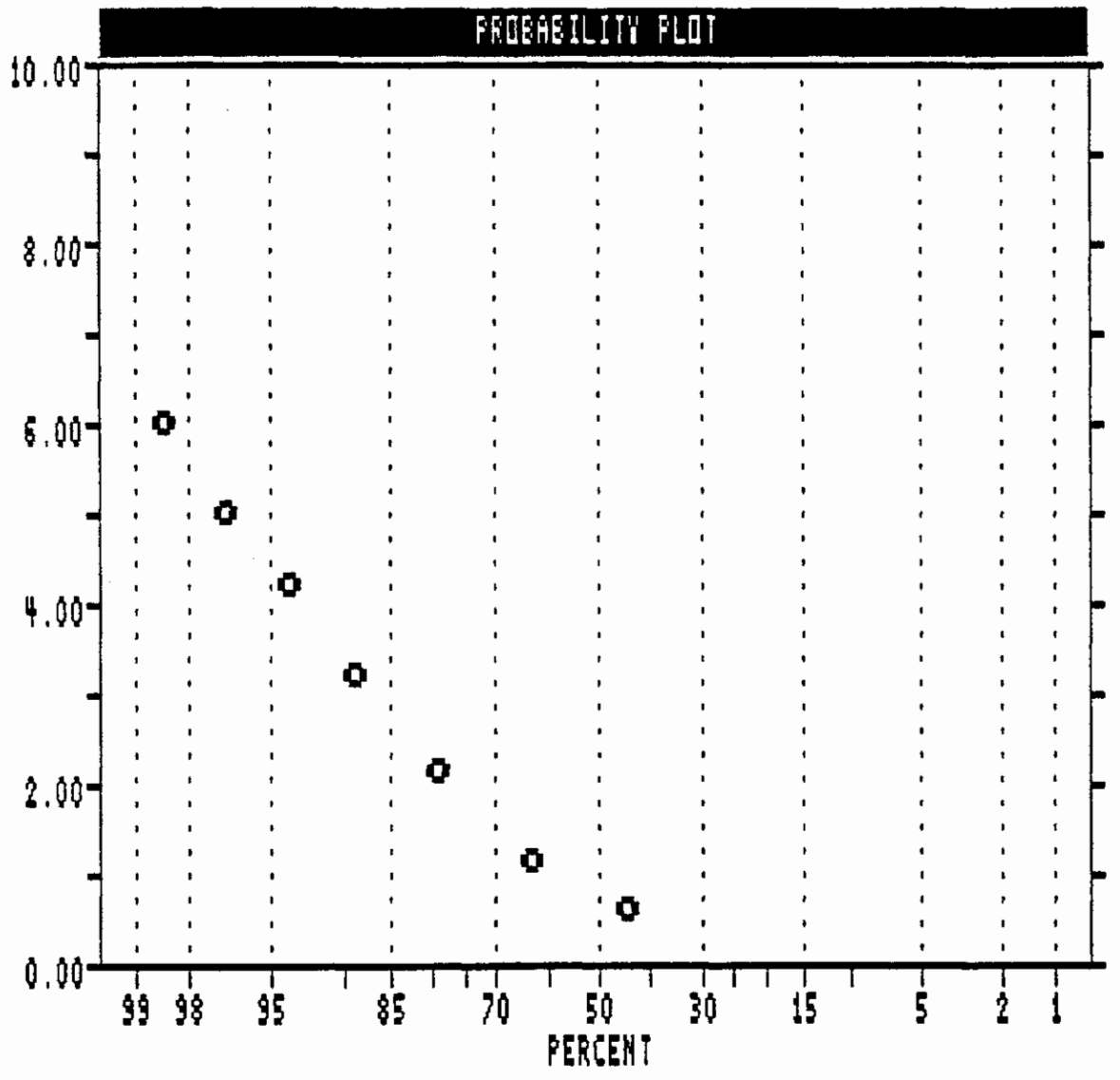
Mean =	1.583	Min =	0.500	1st Quartile =	0.500
Std. Dev. =	1.496	Max =	8.000	Median =	1.000
CV % =	94.516	Skewness =	1.692	3rd Quartile =	2.000

%	cum %	cls int	(# of bins = 30 - bin size = 0.259)	
0.00	0.06	0.371		
44.01	44.02	0.629	********** -->	125
0.00	44.02	0.888		
18.90	62.90	1.147	********** -->	54
0.00	62.90	1.405		
0.00	62.90	1.664		
0.00	62.90	1.922		
15.96	78.84	2.181	********** -->	45
0.00	78.84	2.440		
0.00	78.84	2.698		
0.00	78.84	2.957		
9.98	88.80	3.216	**********	
0.00	88.80	3.474		
0.00	88.80	3.733		
0.00	88.80	3.991		
5.05	93.85	4.250	**********	
0.00	93.85	4.509		
0.00	93.85	4.767		
3.05	96.89	5.026	*********	
0.00	96.89	5.284		
0.00	96.89	5.543		
0.00	96.89	5.802		
1.64	98.53	6.060	*****	
0.00	98.53	6.319		
0.00	98.53	6.578		
0.00	98.53	6.836		
1.06	99.59	7.095	***	
0.00	99.59	7.353		
0.00	99.59	7.612		
0.00	99.59	7.871		
0.35	99.94	8.129	*	

0 1 2 3 4

Each "*" represents approximately 3.0 observations.

LEHARE PROPERTY SOILS



ARITHMETIC VALUES

VARIABLE = MOLY
UNIT = PPM
N = 852
N CI = 30

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = MOLY Unit = PPM N = 852

Mean =	0.0398	Min =	-0.3010	1st Quartile =	-0.3010
Std. Dev. =	0.3594	Max =	0.9031	Median =	0.0000
CV % =	903.9108	Skewness =	0.5578	3rd Quartile =	0.3010

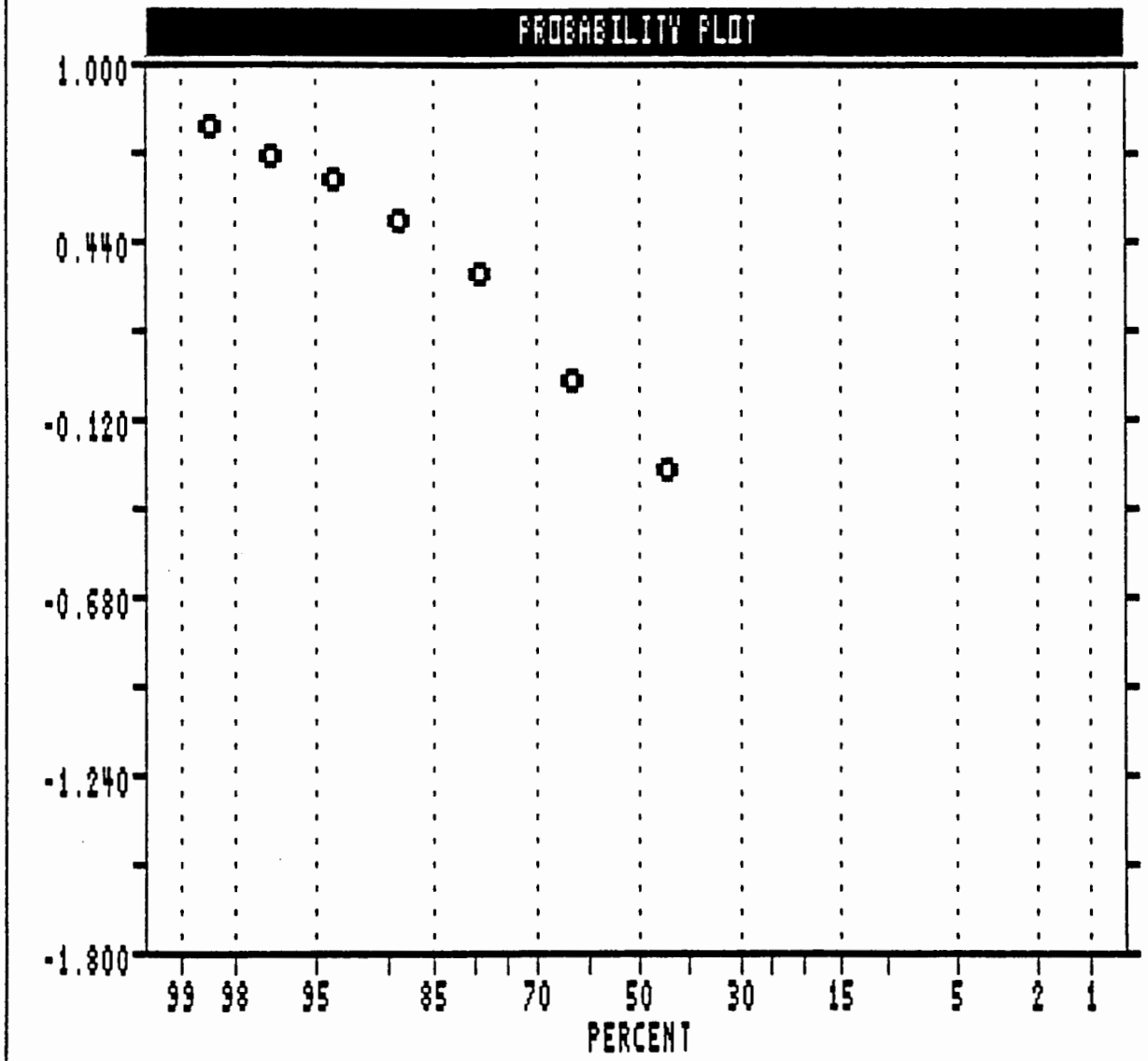
Anti-Log Mean = 1.096 Anti-Log Std. Dev. : (-) 0.479
(+) 2.507

%	cum %	antilog	cls int	(# of bins = 30 - bin size = 0.0415)	
0.00	0.06	0.477	-0.3218		
44.01	44.02	0.524	-0.2803	**********	--> 125
0.00	44.02	0.577	-0.2387		
0.00	44.02	0.635	-0.1972		
0.00	44.02	0.699	-0.1557		
0.00	44.02	0.769	-0.1142		
0.00	44.02	0.846	-0.0727		
0.00	44.02	0.931	-0.0311		
18.90	62.90	1.024	0.0104	**********	--> 54
0.00	62.90	1.127	0.0519		
0.00	62.90	1.240	0.0934		
0.00	62.90	1.364	0.1349		
0.00	62.90	1.501	0.1765		
0.00	62.90	1.652	0.2180		
0.00	62.90	1.818	0.2595		
0.00	62.90	2.000	0.3010		
15.96	78.84	2.201	0.3426	**********	--> 45
0.00	78.84	2.421	0.3841		
0.00	78.84	2.664	0.4256		
0.00	78.84	2.932	0.4671		
9.98	88.80	3.226	0.5086	**********	
0.00	88.80	3.549	0.5502		
0.00	88.80	3.906	0.5917		
5.05	93.85	4.297	0.6332	**********	
0.00	93.85	4.728	0.6747		
3.05	96.89	5.203	0.7162	*********	
0.00	96.89	5.725	0.7578		
1.64	98.53	6.299	0.7993	*****	
0.00	98.53	6.931	0.8408		
1.06	99.59	7.627	0.8823	***	
0.35	99.94	8.392	0.9239	*	

0 1 2 3 4

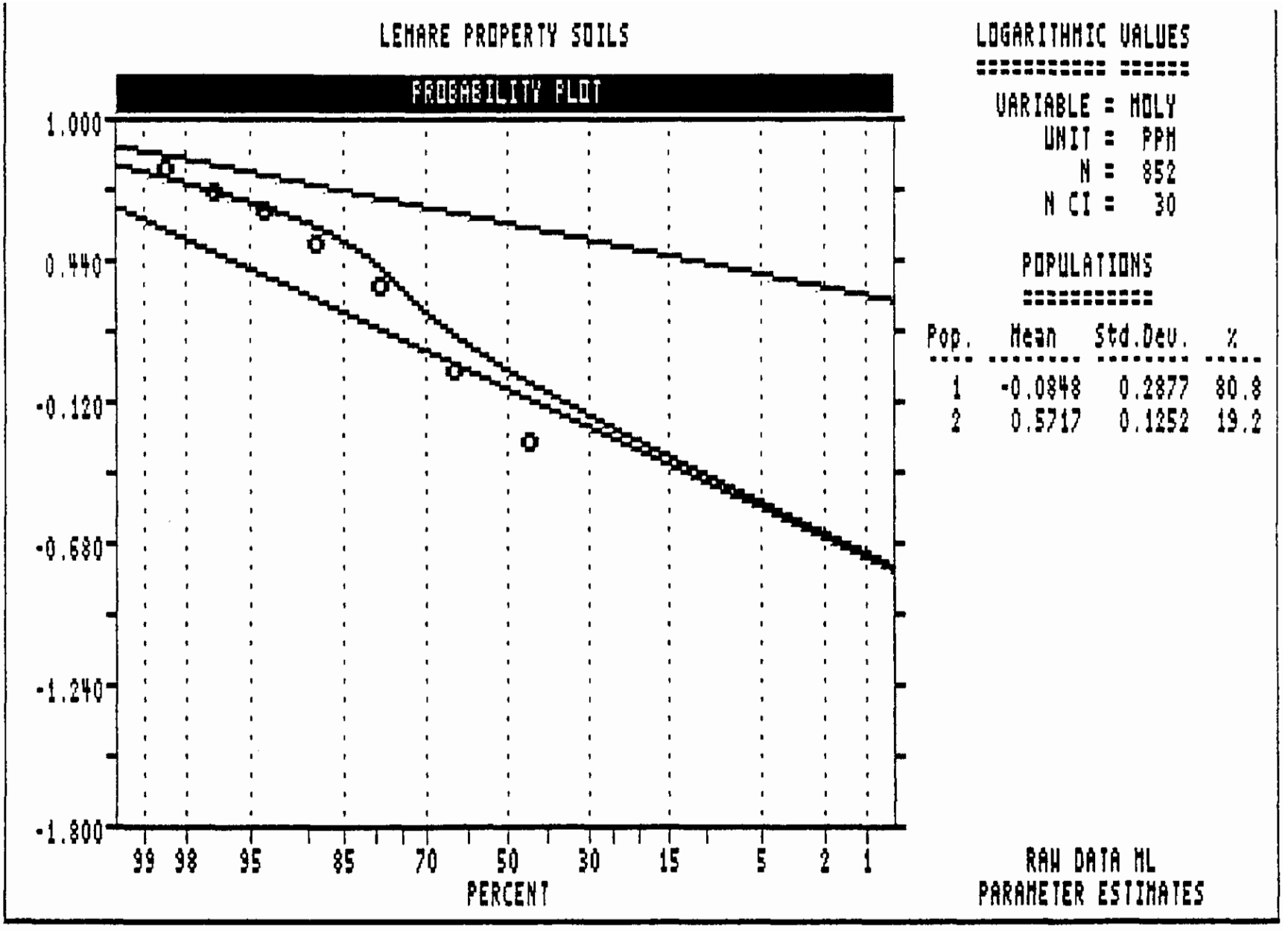
Each "*" represents approximately 3.0 observations.

LEMARE PROPERTY SOILS



LOGARITHMIC VALUES

VARIABLE = MOLY
UNIT = PPM
N = 852
N CI = 30


LEMARE PROPERTY SOILS
PROBABILITY PLOT
1.000
0.440
-0.120
-0.680
-1.240
-1.800
99 98 95 85 70 50 30 15 5 2 1
PERCENT
LOGARITHMIC VALUES
VARIABLE = MOLY
UNIT = PPM
N = 852
N CI = 30
POPULATIONS
Pop. Mean Std.Dev. %
1 -0.0848 0.2877 80.8
2 0.5717 0.1252 19.2
RAW DATA ML
PARAMETER ESTIMATES

00:03:46 VANCOUVER ISLAND: ALL 167, 168, 902 MATS 10/28/91

##########

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

Variable = GOLD Unit = PPB N = 566

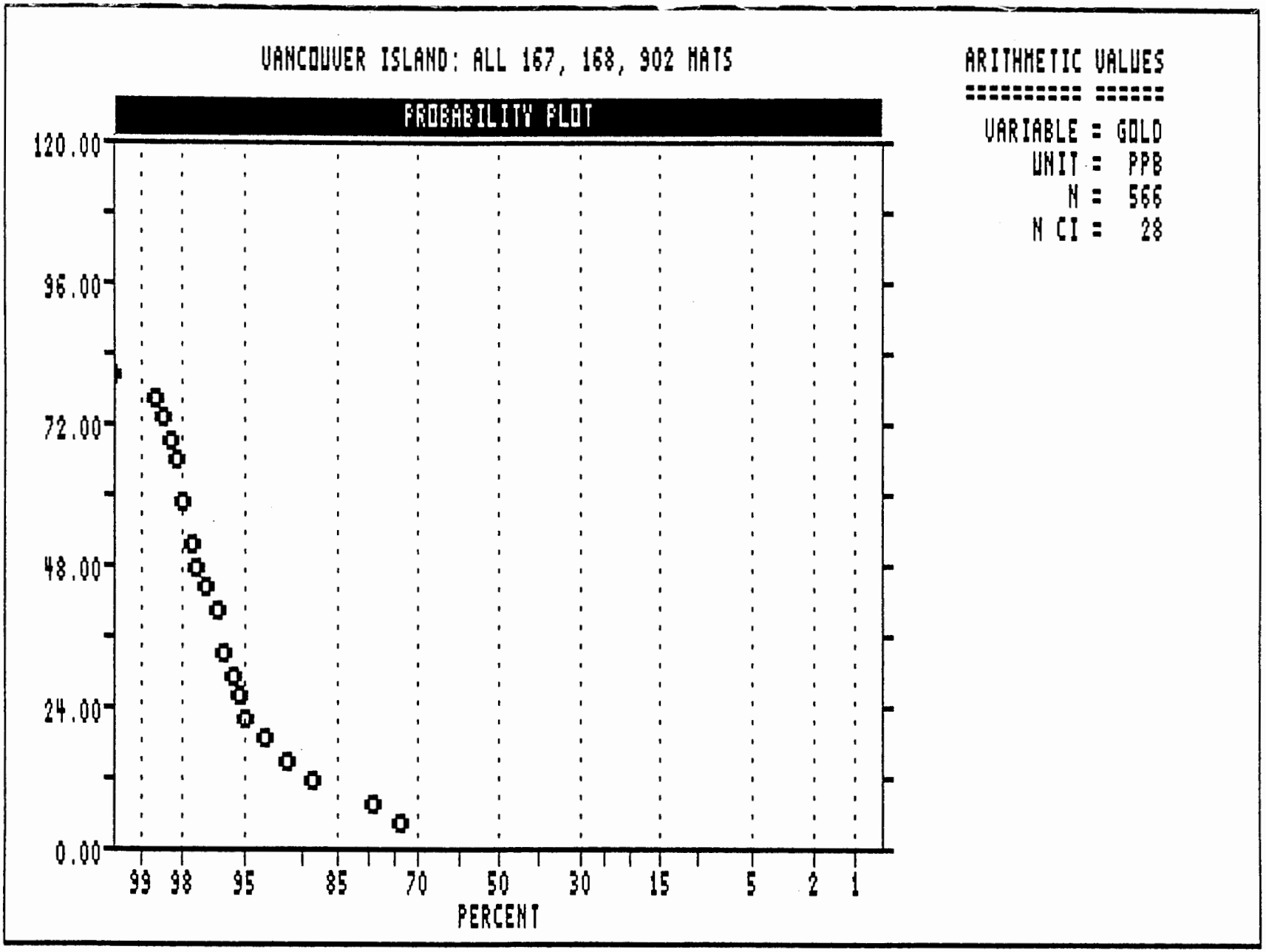
Mean =	6.734	Min =	2.500	1st Quartile =	2.500
Std. Dev. =	12.401	Max =	100.000	Median =	2.500
CV % =	184.152	Skewness =	4.548	3rd Quartile =	6.000

%	cum %	cls int	(# of bins = 28 - bin size = 3.611)
0.00	0.09	0.694	
73.67	73.63	4.306	********** --> 170
5.48	79.10	7.917	**********
9.36	88.45	11.528	**********
3.00	91.45	15.139	*******
1.94	93.39	18.750	****
1.59	94.97	22.361	****
0.35	95.33	25.972	*
0.35	95.68	29.583	*
0.53	96.21	33.194	*
0.00	96.21	36.806	
0.35	96.56	40.417	*
0.53	97.09	44.028	*
0.35	97.44	47.639	*
0.18	97.62	51.250	
0.00	97.62	54.861	
0.35	97.97	58.472	*
0.00	97.97	62.083	
0.18	98.15	65.694	
0.18	98.32	69.306	
0.18	98.50	72.917	
0.18	98.68	76.528	
0.71	99.38	80.139	**
0.35	99.74	83.750	*
0.00	99.74	87.361	
0.00	99.74	90.972	
0.00	99.74	94.583	
0.00	99.74	98.194	
0.18	99.91	101.806	

0 1 2 3 4

Each "*" represents approximately 2.4 observations.

##########


VANCOUVER ISLAND: ALL 167, 168, 902 MATS
PROBABILITY PLOT
120.00
96.00
72.00
48.00
24.00
0.00
99
98
95
85
70
50
30
15
5
2
1
PERCENT
ARITHMETIC VALUES
VARIABLE = GOLD
UNIT = PPB
N = 566
N CI = 28

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = GOLD Unit = PPB N = 566

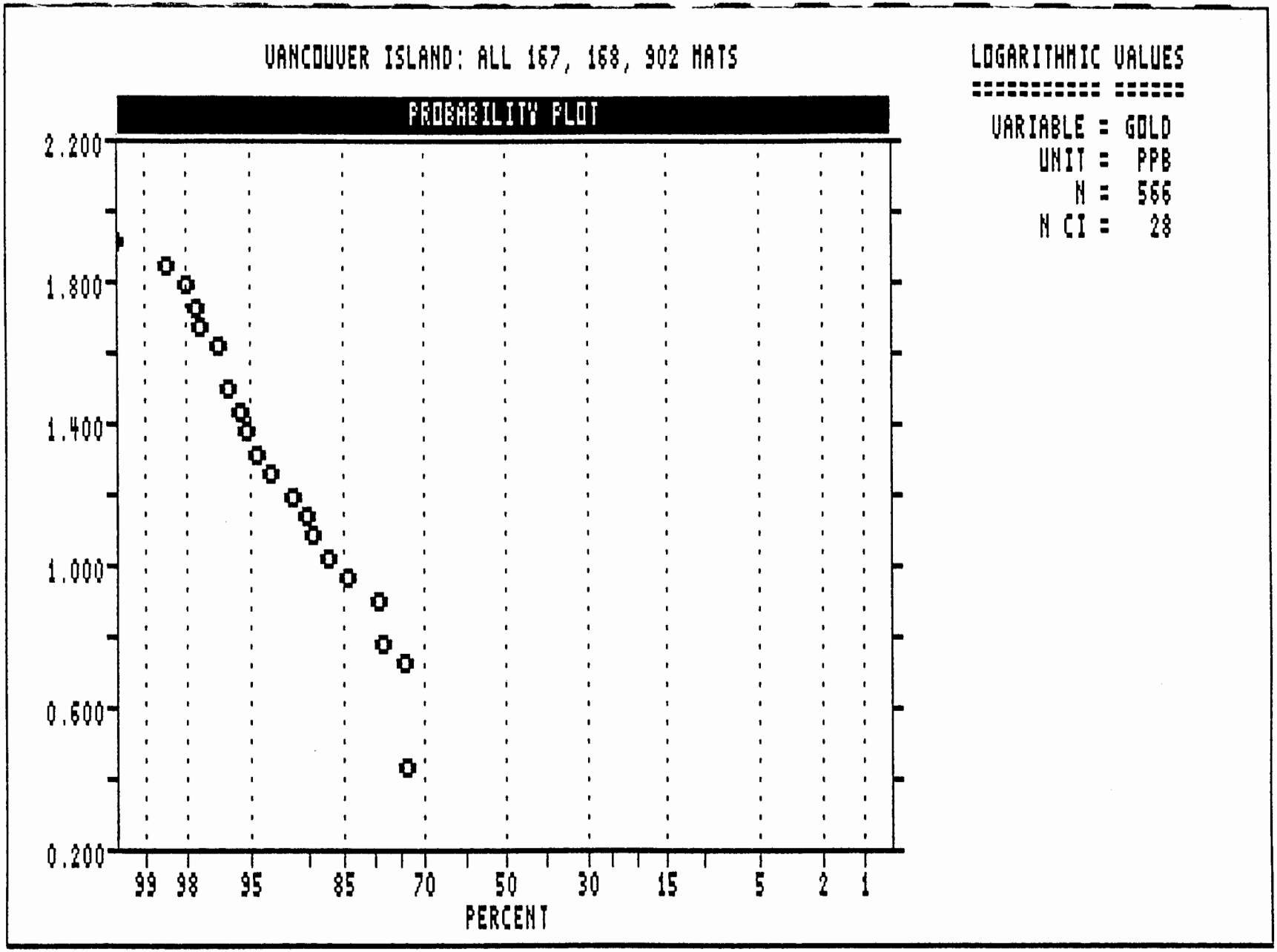
Mean =	0.5873	Min =	0.3979	1st Quartile =	0.3979
Std. Dev. =	0.3585	Max =	2.0000	Median =	0.3979
CV % =	61.0516	Skewness =	1.9240	3rd Quartile =	0.7782

Anti-Log Mean = 3.866 Anti-Log Std. Dev. : (-) 1.693
(+) 8.826

%	cum %	antilog	cls int	(# of bins = 28 - bin size = 0.0593)
0.00	0.09	2.335	0.3683	
73.67	73.63	2.677	0.4276	********** --> 170
0.00	73.63	3.069	0.4869	
0.00	73.63	3.518	0.5463	
0.00	73.63	4.033	0.6056	
0.00	73.63	4.623	0.6650	
0.35	73.99	5.300	0.7243	*
4.42	78.40	6.076	0.7836	**********
0.00	78.40	6.966	0.8430	
0.71	79.10	7.985	0.9023	**
5.30	84.39	9.154	0.9616	**********
2.83	87.21	10.495	1.0210	*******
1.94	89.15	12.031	1.0803	****
0.88	90.04	13.792	1.1396	**
1.41	91.45	15.811	1.1990	***
1.94	93.39	18.126	1.2583	****
1.06	94.44	20.780	1.3176	**
0.71	95.15	23.822	1.3770	**
0.35	95.50	27.309	1.4363	*
0.71	96.21	31.307	1.4956	**
0.00	96.21	35.891	1.5550	
0.53	96.74	41.145	1.6143	*
0.71	97.44	47.169	1.6737	**
0.18	97.62	54.074	1.7330	
0.35	97.97	61.991	1.7923	*
0.53	98.50	71.066	1.8517	*
0.88	99.38	81.470	1.9110	**
0.35	99.74	93.397	1.9703	*
0.18	99.91	107.070	2.0297	

0 1 2 3 4

Each "*" represents approximately 2.4 observations.


VANCOUVER ISLAND: ALL 167, 168, 902 MATS
PROBABILITY PLOT
LOGARITHMIC VALUES
VARIABLE = GOLD
UNIT = PPB
N = 566
N CI = 28
2.200
1.800
1.400
1.000
0.600
0.200
99 98 95 85 70 50 30 15 5 2 1
PERCENT

SUMMARY STATISTICS and HISTOGRAM ARITHMETIC VALUES

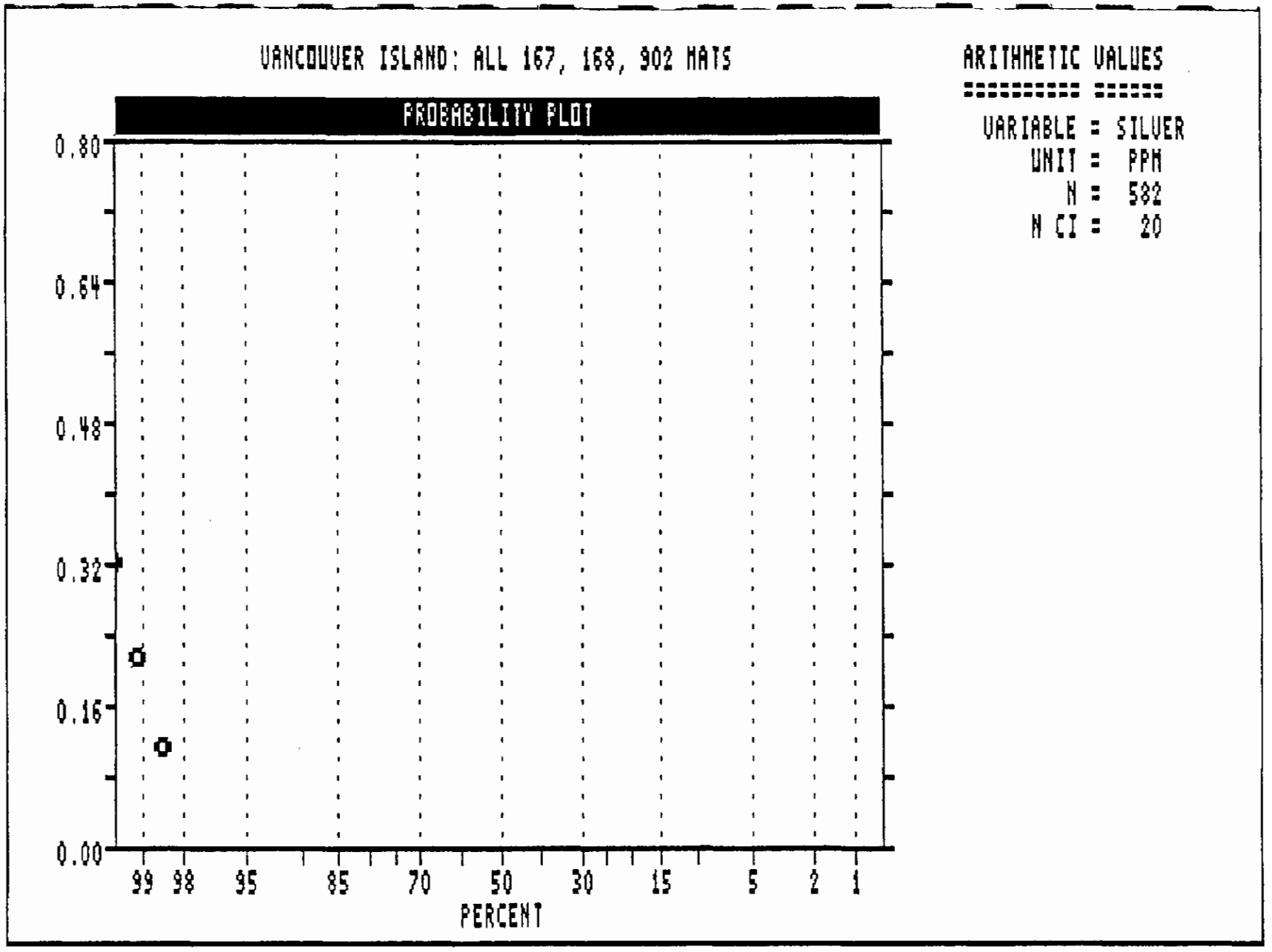
Variable = SILVER Unit = PPM N = 582

Mean =	0.103	Min =	0.100	1st Quartile =	0.100
Std. Dev. =	0.034	Max =	0.600	Median =	0.100
CV % =	32.907	Skewness =	11.568	3rd Quartile =	0.100

%	cum %	cls int	(# of bins = 20 - bin size = 0.026)
0.00	0.09	0.087	
98.63	98.54	0.113	********** --> 234
0.00	98.54	0.139	
0.00	98.54	0.166	
0.00	98.54	0.192	
0.52	99.06	0.218	*
0.00	99.06	0.245	
0.00	99.06	0.271	
0.00	99.06	0.297	
0.34	99.40	0.324	*
0.00	99.40	0.350	
0.00	99.40	0.376	
0.00	99.40	0.403	
0.00	99.40	0.429	
0.00	99.40	0.455	
0.00	99.40	0.482	
0.34	99.74	0.508	*
0.00	99.74	0.534	
0.00	99.74	0.561	
0.00	99.74	0.587	
0.17	99.91	0.613	

0 1 2 3 4

Each "*" represents approximately 2.4 observations.


VANCOUVER ISLAND: ALL 167, 168, 902 HATS
PROBABILITY PLOT
0.80
0.64
0.48
0.32
0.16
0.00
99 98 95 85 70 50 30 15 5 2 1
PERCENT
ARITHMETIC VALUES
VARIABLE = SILVER
UNIT = PPM
N = 582
N CI = 20

SUMMARY STATISTICS and HISTOGRAM LOGARITHMIC VALUES

Variable = SILVER Unit = PPM N = 582

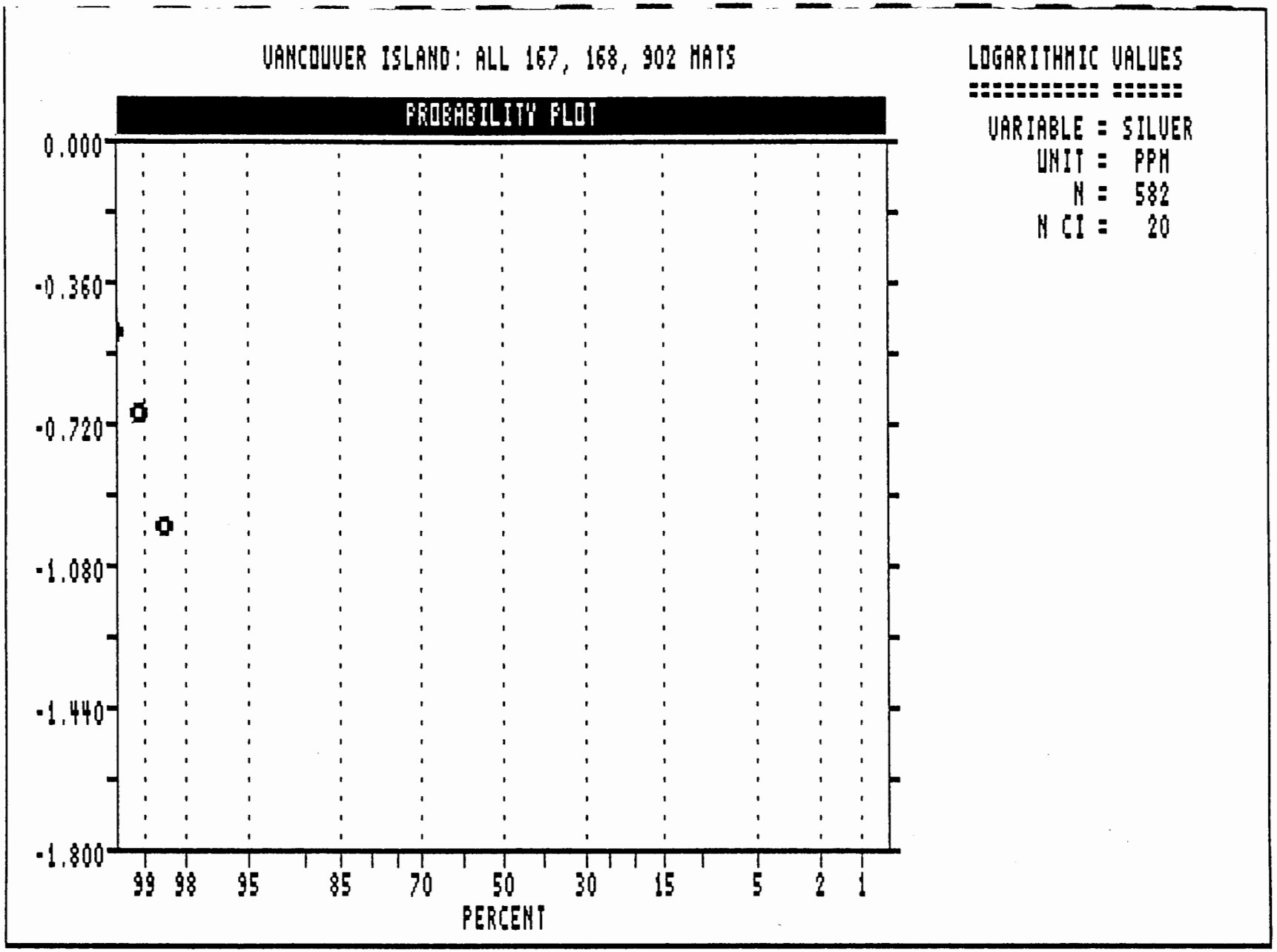
Mean =	-0.9931	Min =	-1.0000	1st Quartile =	-1.0000
Std. Dev. =	0.0627	Max =	-0.2218	Median =	-1.0000
CV % =	6.3106	Skewness =	9.8293	3rd Quartile =	-1.0000

Anti-Log Mean = 0.102 Anti-Log Std. Dev. : (-) 0.088
(+) 0.117

%	cum %	antilog	cls int	(# of bins = 20 - bin size = 0.0410)
0.00	0.09	0.095	-1.0205	
98.63	98.54	0.105	-0.9795	********** --> 234
0.00	98.54	0.115	-0.9386	
0.00	98.54	0.127	-0.8976	
0.00	98.54	0.139	-0.8567	
0.00	98.54	0.153	-0.8157	
0.00	98.54	0.168	-0.7747	
0.00	98.54	0.185	-0.7338	
0.52	99.06	0.203	-0.6928	*
0.00	99.06	0.223	-0.6519	
0.00	99.06	0.245	-0.6109	
0.00	99.06	0.269	-0.5700	
0.00	99.06	0.296	-0.5290	
0.34	99.40	0.325	-0.4881	*
0.00	99.40	0.357	-0.4471	
0.00	99.40	0.393	-0.4061	
0.00	99.40	0.431	-0.3652	
0.00	99.40	0.474	-0.3242	
0.34	99.74	0.521	-0.2833	*
0.00	99.74	0.572	-0.2423	
0.17	99.91	0.629	-0.2014	

0 1 2 3 4

Each "*" represents approximately 2.4 observations.


VANCOUVER ISLAND: ALL 167, 168, 902 MATS
PROBABILITY PLOT
0.000
-0.360
-0.720
-1.080
-1.440
-1.800
99 98 95 85 70 50 30 15 5 2 1
PERCENT
LOGARITHMIC VALUES
VARIABLE = SILVER
UNIT = PPM
N = 582
N CI = 20

APPENDIX VI

Sample Descriptions

ROCKS

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: TIN TS.
Area (Grid): LEMARE
Collectors: TRAVIS / BIRKELAND

Results Plotted By:
Map: NTS: 92L/5
Date: MAY 5/91 Surface ✓ Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
	~45m SOUTH OF							Intensely	35 cm wide shear + clay alt'd zone	
90T901R-002	WHERE CUBEE CREEK	475903	✓					Sheared	trends ~120° dipping 60° SW	
	enters Hershey Lake							Intrusive		
								Alt'd	Hanging wall, siliceous, sulphide rich	
90T901R-003	" "	475904	✓					Intrusive	jarosite alt'd (5-7% V.fg-fg	
									diss. Pyrite)	
					MOLLY SHOWING			Silicified	Argillized, Heavily Silicified, Sheared	
90T901R-004	" "	475905	✓					Intrusive	Moly on fractures + Finely Disseminated	
								(Contact Zone)	(1-2%?) Taken over ~0.6m	
								Silicified	As above, Taken over ~2.0m	
90T901R-005	" "	475906	✓					Intrusive		
								(Contact Zone)		
	~8m NE of							Silicified	As above, Taken over ~1.0m	
90T901R-006	90T901R-002	475907	✓					Intrusive		
								(Contact Zone)		
								Silicified	As above, Taken over ~1.0m	
90T901R-007	" "	475908	✓					Intrusive		
								(Contact Zone)		
	~20m SW of							Green	Chalcopyrite, Pyrite in chlorite alt'd	
90T901R-008	90T901R-002	475909	✓					Volc.	volc., between two shears	
									(Arne takes Sample)	
	North-East of Above		✓					Rhyolite?	light olive green (laminated?), very	
90T901R-009	Samples, where Road	475910	✓						Siliceous, local fracture filling jasper	
	cuts Across Gulley								and Cap, Grab from blasted road cut	
								Contact	intrusive/volcanic?, jasper veinlets + Cap	
90T901R-010	" "	475911	✓					Zone?	(similar to 90T901R-004)	
	In Gulley North		✓					Silicified	heavily silicified (almost call it qtz vein)	
90T901R-011	of 90T901R-002	475912	✓					Zone	continuation of above sampled zone above road?	
	(NO FLAG LEFT)								V.fg diss Moly? (Silver blue hue to quartz)	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: VAN TS
Area (Grid): LEMARE
Collectors: TRAVIS / MUIRHEAD

Results Plotted By:
Map: NTS: 92 C/5
Date: MAY 6/91 Surface ✓ Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
	NORTH SIDE OF							Alt'd	1m chip including 0.5m fault gouge,	
91T901C42	LEMARE LAKE (CLIFFS)	475913		1.0m				Volcanic?	siliceous, fine grained Pyrite 8-12%	
	OLD LEMARE 1 claim								in shear 5-7% in wall rock	
									15m composite grab, continuous with	
91T901R-013	" "	475914	✓					Alt'd	R-014 trace Cpy coats near above	
								Volcanic	sulphide zone	
	"							Pyritized	5m composite grab (true width ~4m?)	
91T901R-014	10m NE OF WATERFALL	475915	"					Volc.	5-12% fg diss. Pyrite	
								Alt'd	3m composite grab, more bleached	
91T901R-015		475916	✓					Volcanic	and fractured, fg diss Py gives	
									light grey colour locally	
								Volc.	1.5m rough chip in FOOTWALL ZONE	
91T901R-016		475917		1.5m				Breccia	of alt'd volcanic breccia?	
								Shear	0.25m malachite stained shear	
91T901R-017		475918	✓					Zone	azurite, chalcocite? trends 165°/62W	
								Volc.	diss. blebby Cpy ~0.5% throughout (7.5m)	
91T901R-018		475919						Breccia	central portion (~3m), probably runs	
									~2% Cpy, tr. Moly appears to trend 120°	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: KEE 901

Area (Grid):

Collectors: A.O. BARKELAND

Results Plotted By:

Map: _____ NTS: 12L

Date: May 3, 4, 5, 6 Surface ___ Underground ___

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
91B901R001	at junction Logged AB103								Quartz Knot - at junction of	
	Qtz "sweat Knot" .5m	475931	✓					Qtz Knotin	fractures ? .5m max.	
	South Kwois claims							JAN		
R002	Rusty sil. zone east		✓					Sil. Bx		
	of gossanous creek	475932	✓							
	North of Kwois Claims									
R003	"		✓					"		
		475933	✓							
R004	"		✓					"		
		475934	✓							
R005	LEMARE LAKE			✓	.75	m	T. Width		Massive Sulfide zone - across	
	South West side	475935	✓						lake from original discovery	
									Py - no cpy noted	
R006	"		✓					Sil. INT.	Rubble float from o.c. above	
		475936	✓					Bx.	road Cpy ± 2%	
R007	O.C. below road		✓					Sil. Int. bx	Sample representative of o.c. grade	
		475937	✓						Cpy ± 2% ± 5m patches of o.c.	
R008	above small gossan		✓					✓	✓ Samples rep. of background	
	below road	475938	✓						grade of cpy in all rocks.	
									± 2% cpy.	
R009	at small gossan	475939	✓					✓	✓	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: LeMare (167)
a (Grid):
ectors: A Birkeland (.78)

Results Plotted By:
Map: NTS: 92L 5 W
Date: Surface Undergroun

AMPLE UMBER AB167	LOCATION NOTES 06/20/91	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	M SH /C
126076	Lake Showing – road	1	R					Felsic	Jarosite stained py felsic volc – py 10 to 20%	
	on West hill							Volc	qtz vns, minor hem – Intense clay alt. w/ sil.	
	Lake Showing –	1	R					Felsic	as above – rep. e.g. 10 m width.	
126077	road on W hill							Volc.		
122/91	Keewatin Mine dayhouse	1							Fine grab 1.5 m e.c.	
80	Johnson Creek 730'	1	1					Felsic volc	tuff, dk green & maroon and. 1% Cpy	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: LEMARE 167 — Results Plotted By: AB

Area (Grid): — Map: — NTS: 092L

Prospectors: ARNE FORSELAND — Date: — Surface — Underground

SAMPLE NUMBER	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	ANOMALOUS RESULTS
07/16/91		South Grosean	/	✓					Dark green chl. mag.	Grab of IDM	
AB167		Zone							± biotite altered and;	Sample assayed ± 50 ppb	
26055									significant epy vein		
08/17/91									Tan green weak chl (black)		
AB167	150	South Grosean	/		✓				Sil. ep. mag. alt.; epy	1.5 m TW	
26052		Zone 5W2							vein w/ chl. alt. inclusions		
									fracture vein 30°		
AB167	210'	5W2	/						Dark brown blast and		
26053									heavy chl. alt along FW	30° 1.5 m TW	
									vein 1cm to core		
26054	200		/								
		as above 5 m along strike								1.0 m TW	
08/18/91	110'	Logging Rd E 18K	/		✓				Dark green blast and; weak	2.0 m TW	
AB167									local hem mag epy;		
26055									epy fracture controlled alt zone		
26056		Same	/						and with calcite veins;	2.0 m TW	
									K feld alt and calcite;		
									weak sulphide mineral		4.0
26057		Same	/						biotite	2.0 m TW	m
										samples rep. of	
										4x5m panel	
26058		4m N. of 12404	/		✓				Black green chl and		
									Stockwork and weak	0.5 m TW	
								✓	calcite vein		
126044		RM ± 1m	/		✓			✓	Green and brown silt, chl vein	Rep Grab of roadbed float;	
									fracture ep epy	in place?	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: LEMARE 167 — Results Plotted By: _____

ea (Grid): _____ — Map: _____ NTS: _____

lectors: A.C. BIRKELAND — Date: _____ Surface ___ Undergrou

SAMPLE NUMBER 08/24/81	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE		SAMPLE DESCRIPTION	ANOMALOUS RESULTS
?IABIGTR		LEMARE -	1						White weathering		Grab rep. of o.c.	
25401		NORTH							sil. py volc.			
									platy cal. intergrowths			
?IABIGTR		LEMARE -	1						Green sil. volc. ±6x;		Grab of 10 random	
25402		BORIS							v/c crackle bx	w/lc+fract.	pieces from muck pile	
									cpy min. 1%	calcite + pink ox stain	Rep. of freq. cracks & lc	±15m wall

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: LEMARE 167 — Results Plotted By: _____

Area (Grid): _____ — Map: _____ NTS: _____

Inspectors: H. O. KERFOOT — Date: _____ Surface ___ Underground ___

SAMPLE NUMBER 8/24/91	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	ANOMALOUS RESULTS
4R167A		Lemare - North X-Cut	✓	✓					white weathering sil. py volc.	Grab - Rep. of O.C.	
25401									red weathering - local alteration		
									chloritic intercuts	1-2% py < 1cm	
25402		Forks Pit	✓	✓					fresh grey volc - cut by	Grab 2 to random point	
									stringers of white calcite	str. trend of pit -	
									white veining	width ± 15m	
08/25/91		GORBY PIT	✓		✓	✓			fine grained [illegible]	1m TW	
25403									weak veining	FGS	continuous chip
									fine [illegible]	upper portion only	
25404		"	✓		✓	✓					1m TW
									0-1% veining	fine	cont. chip
									[illegible]		
25405		"	✓		✓	✓			[illegible]		1m TW
									0-1% veining	fine	cont. chip
									rock chip		
25406		"	✓		✓	✓			[illegible]		1m TW
									fault [illegible]		cont. chip
									minor chloritic		
25407		"	✓						[illegible]		1m TW
									tuff - [illegible]		cont. chip
									trace [illegible]		

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: LEMARE 167

Area (Grid): _____

Inspectors: M. E. SIKKELAND

Results Plotted By: _____

Map: _____ NTS: _____

Date: _____ Surface ___ Underground ___

SAMPLE NUMBER	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	ANOMALOUS RESULTS
20/7/91									5m Alt. Intrusive	5 m chip	
AR 167 R		LeMare ✓	AR305		✓				dyke? Sil AL Pyro		
26050		SGZ.							alt.		
20/7/91					✓				5m. wide Sil. Alt.	3M chip of 5m	
AR 167C		11 ✓	AR						zone - Int dike?	Wide zone	
1500			311								
AR 167C		11 ✓	AR		✓				AL-PYRO Alt. zone	3m chip of	
25411			312						Flanked by Serp	9m wide zone	
									(Phyllic) Alt'n.		
AR 167C		11 ✓	AR						Sil. Alt Alt'n.	2m chip	
1543			313						Zone		
AR 167C		11 ✓	AR						Sil Alt. Alt'n.	3m chip of	
2544			314						Zone	5m zone	
20/7/91		✓							Granodiorite + Basaj	Local mag. d. o.c.	Don't
AR 167C									local mag chl. Prop		so out for
25445									alt'n; Av. cpy?		Assay

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: LeHare
Area (Grid): Collett Creek Area
Collectors: [illegible]
Results Plotted By: [illegible]
Map: _____ NTS: _____
Date: SEPT 91 Surface ___ Underground ___

SAMPLE NUMBER	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	ANOMALOUS RESULTS
		4+75m South along							CARB ± Qtz	0.75m grab across 0.3m	
-[illegible]-		Rossiter Main Zone		✓					SHEAR/VEIN	mine'd carb vein with	
25226		[illegible]								3-5% ZnS, tr Cpy, Ag?	
		[illegible]		✓						traced for 15m then	
-[illegible]-		[illegible] Main Zone		✓					Andesite, fracture/joint	offset? 44/75SE	
-5227		[illegible]							tr Cpy	Cpy, mal 1-3% over 15cm	
		[illegible]								1m grab across,	
-[illegible]-		[illegible] Main Zone		✓					Andesite with fracture	narrow (<10cm) fracture/shear	
25228		[illegible]							Cpy	290/79N	
		?									
-5224											

[illegible]

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: LeMare — Results Plotted By: _____

ea (Grid): _____ — Map: _____ NTS: _____

lectors: TRAVIS — Date: Aug 14, 15, 16, 17 — Surface ___ Underground ___

SAMPLE NUMBER	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE		SAMPLE DESCRIPTION	ANOMALOUS RESULTS
		VALLEY WEST OF	✓								Chloritized with	
AT167F-126138	1700	SOUTH GOSSAN ZONE						✓	Andesite	tr Cpy	Stringer carbon, mal	
											tr Cpy 1-3% Pyrite	
									Silicified	OXIDATION	Irregular veinlets of	
AT167F-126139	1700	" "	✓					✓	volcanic		veinlets trace Cpy	
										ORPIMENT	N/1' grab across fractured	
R-126140	1650'	" "	126140	✓					CARB. VEIN		zone with mal Cpy tr-1%	
											Sph? 1-5% Asp 1%?	
		LOOK TO 126140									tr Cpy? Py 1-3%	
R-126141	1850'		✓	✓					Andesite	Chloritized	N 1' grab across	
		DIECE FALLEN FROM									Zns, Asp? Tr Cpy	
R-126142	1850'	FACE, REST GRAB	✓	✓					QTZ VEIN	ORPIMENT?	AS 126140	
		SE OF LOWER LK									Miss upgraded sample	
R-126143		(IN LK)	✓	✓					Felsic Breccia	1-3% Cpy	1-2m from N-S	
											area	
		AS ABOVE									Grab across 5m of	
R-126144			✓	✓					Felsic Breccia	Tr-1% Cpy	veining 5m SW of 143	
											(representative)	
		NORTH OF SGZ									Sericitized felsic	
R-126145		(Au anomaly)	✓	✓					Felsic Breccia	Tr Cpy	breccia with	
		CKS-054									near contact of	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: Scimore

ea (Grid): Gorby + Area

lectors: Travis

Results Plotted By:

Map: NTS:

Date: Aug 21 → Surface Undergro

SAMPLE NUMBER	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE		SAMPLE DESCRIPTION	ANOMALOUS RESULTS
		~350m West of	/								fracture related Py 5-7%	
F-126145		the Gorby		✓					Ash-Lapilli	Tuff	assoc w Hem + Gth fwork	
											(shear 145°/85)	
		~30cm East of the	/								Sil ore, brittle? fract	
F-126149		Gorby 005°/85W		✓					Altd Intermed	Lapilli Tuff	related Cpy (<2%?),	
		ore Zone (main)									Subcrop? pieces out of bank.	
		~450m NE OF THE	✓						Maroon Lapilli		Subcrop? in road cut	
F-126150		GORBY PIT		✓					TUFF		fractured, Cpy 1-3%	
											as blebs, hem on fracts	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: LEMARE
ea (Grid):
ectors: A. TRAVIS

Results Plotted By:
Map: NTS: 92L/5
Date: JUNE 20 - 22 /91 Surface ✓ Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MA SHE /CL
[illegible]	WEST OF SOUTH ARM OF	/							Qtz. Flooded, Intensely Sheared. ON South	
-167R-	LEMARE LK LOWER ROAD		✓					FELSIC VOLC?	BANK OF CREEK, Pyrite 1-3%	
126151	(Lower Road SGZ Creek)									
	~2.5 Km SOUTH OF	/							Dark grey-black to maroon flow with native	
-167R-	LEMARE 1-4 LCP		✓					MAFIC VOLC	copper in amygdules?	
126152										
	~1.5Km SE OF LEMARE	/						Pyritized	Fine laminated v.fg diss. Pyrite gives ORGN	
-167 R-	1-4 LCP		✓					FELSIC	appearance, jarosite stained Py 5-7%	
126153								VOLC.?		
	~2.45 Km SE OF LEMARE	/						Pyritized	Composite grab across 10m, gossanous, fract.,	
rT 167 R-	1-4 L.C.P		✓					FELSIC	jarosite, fg-v fg diss Pyrite	
-126154								VOLC		
	~2.75Km SE OF LEMARE	/						MAROON	Maroon coloured fragments (~5cm) in pyrite	
-167-	1-4 L.C.P in creek	126155					✓	LAPILLI TUFF	matrix (~ Pyrite 50%), goss. Knobby weathered	
126155	gulley								appearance	
JUNE 21/91								FELSIC	SULPHIDE RICH (Pyrite ≤50%) shear zone grab across	
-167R-	~2.5 Km SE OF LEMARE 1-4	126156	✓					VOLCANICS?	2m [illegible]	
126156	LCP ON LOWER ROAD									
	RIDGE CREST ~650m	/	✓					FELSIC	SMALL DOME LIKE KNOB SITUATED ON RIDGE	
-167R-	North of Lemare 3+4							VOLC	CREST, SLIGHTLY GOSS FRACTURED MINOR qtz VNLTS	
126157	SOUTH BOUNDARY								ft. Py = CPy?	
JUNE 22/91	EAST SIDE LEMARE 2 claim	/					✓	Andesitic	mottled maroon/green lapilli tuff with	
-167R-	25m above road in creek							Lapilli	5-7% diss Py, trace CPy? carbonate "knots"	
126158	that flows into small lake							TUFF	Boulder ~0.7m x 0.5m	
	EAST SIDE LEMARE 6 claim							SHEARED	VERY FRACTURED/SHEARED MALACHITE STAINED	
-167R-	2m OFF ROAD ON NORTH SIDE	/	✓					GRANODIORITE	HARD TO GET FRESH SURFACE	
126159	OF BRIDGE	↓								

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: LEMARE
ea (Grid):
ectors: A. TRAVIS

Results Plotted By:
Map: NTS: 92 L/5
Date: June 24 Surface ✓ Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MI SHE /CL
	NORTH END OF CLAIMS							And	Sheared, fractured, gossanous, stringer +	
67R-	WEST OF KOSKIMO		✓					Volc	fracture fill pyrite (3-5%), structure	
6160	CREEK								runs up Koskimo Creek (moss mat M3323 nearby)	
	CENTRAL PORTION							Gossanous	representative grab across 15m of gossanous	
67R-	OF LEMARE 10		✓					Felsite?	zone 1-2% disc Py (3-5%), bleached	
6161		✓							altered	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ect: Le Mare (167)
: (Grid):
ctors: IAN M°Cartney (IM)

Results Plotted By:
Map: NTS: 52 L/5
Date: Surface Underground

MPLE MBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEE /CLA
June										
31301	Lemare 1, "Lemare #2 Showing			✓				AND, SIL	Tr clop, 0-1% py	1
31302	" " "			✓				" "	" " "	1
303	" " "			✓				SIL, KF	To 1% clop, Azurite-Malachite on joints. Calcite Stringers	1
304	" " "			✓				SIL, KF	To 1½% clop, CL stringers, weak malachite staining.	1
305	" " "			✓				SIL	To ½% clop, <1% py Carbonate-chlorite ± Cato	1
306	" " "		✓					SIL, KF	Silicified dk pink area, 1-2% sphalerite	1
307	Lemare Zone South of Lake		✓					SIL QV	Conspicuous area over 25 m, 1-2% py, tr clop, malachite	1
308	" " " "		✓					SIL, bree, QV	Vein Breccia, Qtz stringer stockwork, Tr py, clop?	1
309	" " " "		✓					SIL	1% vfg py. Chlorite clots hem stringers	1
June										
310	West of Lake Zone Contact						✓	BRS, AND, SIL	Minor 5% vfg disseminated py. Calcite-veining. Minor Magnetite	1
311	" " " " "	IR-8	✓					SIL	~8% vfg py. Goethite-manganese staining	1
-28	June 1991									
312	Lake Zone North of Lake	IR-15	✓					AND, F	To 20% disseminated py, 0.2m Frac zone KFLD CHL GtHr.	
313	" " " "	IR-19	✓					AND	<1% clp assoc w Qtz stringers/veins. Vein localized.	
314	" " " "	IR-21	✓					AND, CHL	1-2% cpy as stringers and mg. to c.g. dissems.	
315	" " " "		✓					SIL, sh, Frac	5% fg py in silicified frac/shear zone, lt grey bleached vole.	
316	" " " "	IR-30		✓				SIL, Frac	0.3m wide silicified fracture zone @ 100°/90°. Up to 3% cpy	
317	" " " "	IR-31		✓				SIL, Frac	0.6m wide silicified fracture zone. Up to 2% cpy	
318	" " " "			✓				SIL	1.0m. In silicified vole imm W of 131317. Tr py, cpy near Frac zone	
319	" " " "		✓					SIL, Frac	Frac zone in silicic vole. Up to 2% vfg py	
320	South Gossan Zone		✓(P)					AND, SIL, CLAY	0.3m shear/Frac zone. 10% mg. disseminated py, Tr cpy. Clay, silicific.	
321	South of Lake Zone		✓D					AND, CHL	Localized 1% disseminated py. Massive CHL AND. Fracture associated.	
June										
322	E. of S. arm of Main Lake		✓(P)					AND, Frac	1% malachite, <1% cpy in minor Frac. zone, silicification, goethite	4
July										
325	Lake Zone South		✓D					SIL, QV	0.2m semi massive py zone @ 038/90. Siliceous boxwork. to 2% cpy	
326	" " "		✓D					SIL	Strong siliceous boxwork. 1% py	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: EMARE (167)
ea (Grid):
ectors: IAN McCARTNEY (IM)

Results Plotted By:
Map: NTS: 92 L/5
Date: Surface Undergroun

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	M SH /C
Jul 6 cont										
31328	South Gossan Zone.	IR-71	Vfg					CHL, MAG, AND	Speckem. Altered massive and. Diseem cpy (trace). Epidote.	
31329	" " "	IR-72	VFG					CHL MAG, py	1% diseem, frac cpy. Sample over 2m. Altered AND	
31330	" " "		Vfg					CHL, MAG AND	5% diseem & stringer cpy.	
9 July										
31331	South Gossan Zone.		✓					CHL, EPI, mag	Moderately magnetic, no sulfides seen. Rock type very local.	
31332	" " "		✓					SIL, SER, ANK	5% VFG py in v. dk green color. Altered volc bx	
31333	" " "		✓					SER, py	Altered ash tuff. 5% py as localized patches.	
31334	" " "	IR-73					✓	SER, py, SIL	20% mic diseem. py. Basic tuff strongly altered.	
10 July										
131341	South Gossan Zone		✓					AND, E, mag	K-spar-silica-chlorite-magnetite altr. 1-2% diseem & frac py.	
131342	" " "		✓					AND, SIL	Cpy, malachite on fractures. VFg diseem py to 3%. Mineralization is very localized at this site.	
131343	South Gossan Zone.	IR-112	✓					AND, CHL	Cpy assoc w chlorite stringers in pale py altered andesite. Pink K-spar alter. Minor frac molybdenite.	
131344	" " "	IR-113	✓					AND, SIL, CHL	diseem cpy on silica-chlorite stringers. Similar to IR-112	
131345	" " "	IR-114	✓					AND, SIL, CHL	Py and cpy as diseem and hairline fractures in dark chloritic sections. Spec Item 6 below.	
131346	" " "		✓					AND, CHL	Slightly magnetic. 1-2% VFG diseem cpy, tr cpy?	
131347	" " "		✓					AND, CHL, SIL	Strong chlor py altn. 1-2% VFG diseem py tr cpy?	
131348	" " "	IR-116	✓					AND, CHL	tr cpy, malachite ~10% diseem/frac py, weakly magnetic, local massive epidote replacement.	
131349	" " "	IR-117					✓	AND	Copper cpy, calcite clots in maroon andesite volc bx. 3% cpy in VFG diseem qtz stringers as stockwork, VFg py selvages.	
131350	" " "		✓					AND, SIL, CHL		
131351	" " "		✓					AND	black slightly magnetic andesite with epidote and specular hematite stringers. Locally strongly magnetic. 1-2% diseem/frac py	
131352	" " "	IR-120	✓					AND	trace cpy in quartz filled amygdules. E.g. diseem py.	
12 July										
131353	South Gossan Zone	IR-122	✓					AND	Strong 175/90° frac development. Diseem & frac cpy. Diseem	
	" " "									

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: LEMARE (167)
ea (Grid):
ectors: IAN McCARTNEY (IM)

Results Plotted By:
Map: NTS: 92L/5
Date: Surface Undergroun

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	M. SHI /CI
July Continued										
31355	South Gossan Zone		V					AND, SIL	2-3% vfg diss py. Tr cpy as frac coat. Epidote. Over 4m	
31356	" "		✓					AND, CHL	2-3% frac py, ? Fg bornite?	
July										
31357	South Gossan Zone	JR-124	✓					AND, SIL, mag	~1% cpy as frac/diss. Epidote-calcite clots & stringers. Mn is	
									very localized. Magnetic.	
31358	" " "		✓	5.9% Pb Cut				AND, mag	2-3cm massive cpy vein in 080/75N fm. Ferrodolomite vein	
									fragments. Coarse cpy-sphalerite diss in calcite-epidote clots	
									extend up to 5m out from fault. (<1% cpy).	
31359	" " "		✓					AND CHL. Mag	5-10cm thick zone of dk grey magnetite altn. <1% diss py/frac cpy	
31360	" " "		✓					AND, CHL Mag.	2-3% fg diss py, <1% mag. diss cpy.	
31361	" " "						✓	AND	Talus rubble ind. vein source. Up to 5% py, possible fg chalcocite?	
July 21										
31362	South Gossan Zone		2m	Mo=6				SIL-SER fw	1-2% fg py blebs in strong silica-ser. altn zone, ash	
									tuff? Lge calcite clots.	
31363	" " "	JR-138	✓	Mo=8				AND, mag.	Dk grey andesite, locally blk. Weakly to strongly magnetic.	
									~1% fg. diss py. Mag. as replacement around fractures.	
31364	" " "		✓		⊥			AND, SIL	From narrow strongly silicified zone. Quartz veins with vfg	
									sulfide in selvages. Pseudolamination.	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ect: 167 (VANCOUVER ISLAND)

a (Grid):

ectors: DARCY KROHMAN (DK)

PY- PYRITE
CPY- CHALCOPYRITE

Results Plotted By:

Map: NTS:

Date: JUNE 22 '91 Surface / Underground

AMPLE UMBER DK-167	LOCATION NOTES DATE 16 '21/91	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MA SHE /CL
1251	WEST SIDE LEMARE LAKE FROM	/	/					ALTERED	GREY/GREEN ANDESITE WITH UP TO 10% PY	
	ROAD CUT ("C" ZONE)							ANDESITE	(AVE 5%) & MINOR CPY (<1%)	
	Lower Road									
1252	AS ABOVE	/	/					ANDESITE	MASSIVE LIGHT GREY ANDESITE WITH UP TO 5%	
									PY MINOR CPY (<<1%)	
	06/22/91									
1253	NORTH SIDE OF WEST ARM OF	/		/				ANDESITE	MASSIVE GREEN ANDESITE WITH FINELY DISSEMINATED	
	LEMARE LAKE								PY (UP TO 2%) & MINOR CPY (<<1%). CHIP SAMPLE	
	"LAKE ZONE"								ACROSS 0.5 m	
1254	AS ABOVE	/		/				ANDESITE	AS ABOVE	
1255	AS ABOVE	/		/				ANDESITE	MASSIVE GREEN ANDESITE WITH UP TO 10% PY	
									(AVERAGE ~ 2%) & MINOR CPY (<<1%)	
1256	AS ABOVE	/		/				ANDESITE	MASSIVE GREEN ANDESITE WITH JASPER LOCALLY.	
									UP TO 5% PY (AVE. ~ 2%) & MINOR CPY (<<1%)	
									CHIP SAMPLE ACROSS 1.0 m	
1257	AS ABOVE	/		/				ANDESITE	MASSIVE GREEN ANDESITE WITH UP TO 5% PY	
									CHIP ACROSS 1.0 m	
1258	AS ABOVE	/		/				ANDESITE	MASSIVE GREEN ANDESITE WITH UP TO 5% PY	
									(AVE. ~ 1 TO 2%) & MINOR CPY (<<1%). CHIP	
									ACROSS 1.0 m	
1259	AS ABOVE	/		/				ANDESITE	MASSIVE GREEN ANDESITE WITH ~ 1% PY. SILICIFIED	
									LOCALLY. CHIP ACROSS 1.0 m	
1260	AS ABOVE	/		/				ANDESITE	GREEN ANDESITE WITH ~ 1% PY & MINOR CPY	
									(<1%) MALACHITE & AZURITE ALTERATION LOCALLY	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ect: 167 (VANCOUVER ISLAND)

a (Grid):

ectors: DARCY KROHMAN (DK)

PY - PYRITE
CPY - CALCOPYRITE

Results Plotted By:

Map: NTS:

Date: JUNE 22 '91 Surface ✓ Undergroun

AMPLE JMBER DK-167	LOCATION NOTES DATE 06/22/91	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MA SHE /CL
31261	NORTH SIDE OF WEST ARM OF LEMARE LAKE	1		/				ANDESITE	MASSIVE GREEN ANDESITE WITH UP TO 5% CPY (AVE ~1%) & MINOR PY (<1%) MALACHITE & AZURITE ALT. CHIP SAMPLE ACROSS 1.0 m	
31262	AS ABOVE	1		/				ANDESITE	MASSIVE GREEN ANDESITE WITH ~1% PY & MINOR CPY (<1%). CHIP SAMPLE ACROSS 1.0 m	
21263	AS ABOVE	1	/					ANDESITE	MASSIVE GREEN ANDESITE WITH ~2% PY & ~1% CPY.	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: 167 (VANCOUVER ISLAND)
ea (Grid):
ectors: DARCY KROHMAN (D.K.)

Results Plotted By:
Map: NTS:
Date: JUNE 24 '91 Surface ✓ Undergroun

AMPLE UMBER -DK-167	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	M. SHI /CI
131264	NORTH SIDE OF WEST ARM	✓		✓				ANDESITE	MASS GREEN ANDESITE WITH CHLORITE ALTERATION	
	OF LE MARE LAKE								PY ~1% CPY UP TO 1% (AVE<1%)	
	"LAKE ZONE"								CHIP SAMPLE ACROSS 1.0 m	
131265	AS ABOVE	✓		✓				ANDESITE	VERY SILICEOUS MASSIVE GREEN ANDESITE, JASPER(OID?)	
									OCCURS LOCALLY UP TO 3% PY (AVE. ~1%)	
									CHIP SAMPLE ACROSS 1.0 m	
131266	AS ABOVE	✓		✓				ANDESITE	SAME AS 91-DK-167-C-131265	
									PY UP TO 5%	
131267	AS ABOVE	✓		✓				ANDESITE	SAME AS 91-DK-167-C-131264	
									UP TO 8% PY (AVE ~3%) MINOR CPY (<1%)	
131268	AS ABOVE	✓		✓				ANDESITE	SAME AS 91-DK-167-C-131267	
									PY OCCURS AS DISSEMINATED GRAINS AND AS	
									STRINGERS	
131269	AS ABOVE	✓		✓				ANDESITE	MASSIVE GREY/GREEN ANDESITE. UP TO 5% PY	
									(AVE ~2%) & MINOR CPY (<1%)	
									CHIP ACROSS 1.0 m	
131270	AS ABOVE	✓		✓				ANDESITE	SAME AS 91-DK-167-C-131269. UP TO 10% PY	
									(AVE ~5%)	
131271	AS ABOVE	✓		✓				ANDESITE	VERY SILICEOUS MASSIVE GREY/GREEN ANDESITE.	
									JASPER (OID?) OCCURS LOCALLY. MINOR PY (<1%)	
									CHIP ACROSS 1.0 m	
131272	AS ABOVE	✓		✓				ANDESITE	SAME AS 91-DK-167-131271	
131273	AS ABOVE	✓		✓				ANDESITE	SAME AS 91-DK-167-131271. MALACHITE ALTERATION	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: 167 (VANCOUVER ISLAND)
Area (Grid):
Collectors: DARCY KROHMAN (D.K.)

Results Plotted By:
Map: NTS:
Date: JUNE 7-11 '91 Surface / Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION
91-DK-167									
C-131274	NORTH SIDE OF WEST ARM OF LA MARE LAKE	/		/				ANDESITE	SAME AS 91-DK-167-C-131272
C-131275	AS ABOVE	/		/				FELSIC VOL. (FELSITE?)	VERY SILICEOUS FELSIC VOLCANIC (FELSITE?) MINOR SULPHIDES (< 1%) ANDESITE ALTERATION CHIP ACROSS 1.0 m
C-131276	AS ABOVE	/		/				FELSIC VOL. (FELSITE?)	SAME AS 91-DK-167-C-131275. UP TO 3% PY (AVE ~1%) & MINOR CPY (< 1%)
C-131277	AS ABOVE	/		/				FELSIC VOL. (FELSITE?)	SAME AS 91-DK-167-C-131276. UP TO 1% CPY (AVE << 1%) CPY OCCURS AS ISLEBS & DISSEMINATED GRAINS
C-131278	AS ABOVE	/		/				FELSIC VOL. (FELSITE?)	SAME AS 91-DK-167-C-131275. UP TO 7% PY (AVE ~ 1%) UP TO 1% CPY
C-131279	AS ABOVE			/				FELSIC VOL. (FELSITE?)	SAME AS 91-DK-167-C-131278
C-131280	AS ABOVE	/		/				FELSIC VOL. (FELSITE?)	SAME AS 91-DK-167-C-131276
C-131281	AS ABOVE	/		/				FELSIC VOL. (ALT. ANDESITE)	SAME AS 91-DK-167-C-131275
C-131282	AS ABOVE ✓	/		/				FELSIC VOL. (ALT. ANDESITE)	SAME AS 91-DK-167-C-131275. UP TO 3% PY & 1% CPY (AVE < 1%)

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: 167 (VANCOUVER ISLAND)
ea (Grid):
ectors: DARCY KIPPAN (D.K.)

Results Plotted By:
Map: NTS:
Date: JUNE 25 '91 Surface / Underground

SAMPLE NUMBER 91-DK-167-	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MSH/C
C-131283	MAIN ROAD, SOUTHERN PORTION OF PROPERTY (North 562)			/				ANDESITE	MASSIVE GREEN ANDESITE LOCALLY CHLORITIZED UP TO 15% PY DISSEMINATED GRAINS & STRINGERS MINOR CPY (<<1%) CHIP ACROSS 1.5 m.	
R-131284	AS ABOVE	/	/					ALTERED ANDESITE	HIGHLY CHLORITIZED ANDESITE. UP TO 20% PY (AVE ~10%) MINOR CPY (<1%) GRAB SAMPLE	
C-131285	AS ABOVE	/		/				SILICEOUS ANDESITE	GREEN SILICEOUS, LOCALLY CHLORITIZED ANDESITE FROM SHEAR .5 m WIDE. PY MIN UP TO 60% (AVE ~30%) CPY UP TO 5% LOCALLY. CHIP ACROSS .7 m	
C-131286	AS ABOVE	/		/				SILICEOUS ANDESITE	MASSIVE DARK GREY SILICEOUS ANDESITE. UP TO 15% PY & 1% CPY (AVE = 1%) CHIP ACROSS .6 m	
R-131287	CULLEY CREEK ROAD SECTION	/	/					ANDESITE	MASSIVE GREEN ANDESITE WITH QUARTZ STRINGERS LOCALLY CHLORITIZED MINOR PY, POSSIBLE CPY (<1%)	
R-131288	AS ABOVE		/					ANDESITE	SAME AS 91DK167R131287. UP TO 1% CPY MINOR PY	
R-131289	AS ABOVE		/					ANDESITE	SAME AS 91DK167R131288. UP TO 1% CPY 5% PY	
R-131290	AS ABOVE		/					ANDESITE	SAME AS 91DK167R131288. UP TO 8% PY. (AVE ~3%) MINOR CPY (<<1%)	
R-131291	AS ABOVE		/					MAFIC VOLCANIC	MAFIC VOLCANIC (BASALT?) LOCALLY UP TO 5% PY (AVE ~3%) UP TO 1% CPY (AVE = 1%)	
C-131292	AS ABOVE			/				MAFIC VOLCANIC	SAME AS 91DK167C131291 CHIP ACROSS 1.5 m	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: 67 (VANCOUVER ISLAND)
ea (Grid):
iectors: DARCY KROHMAN (D.F.)

Results Plotted By:
Map: NTS:
Date: JUNE 30 '91 Surface / Undergrour

SAMPLE NUMBER 91-DK-167	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	M SH /C
C-131293	CULLEET CREEK ROAD SIDE	/		/				MAFIC VOLCANIC	SAME AS 91-DK-167 · C-131291	
C-131294	AS ABOVE	/		/				ANDESITE	SAME AS 91-DK-167 · C-131289 CHIP ACROSS 1.5 m	
C-131295	AS ABOVE	/		/				ANDESITE	SAME AS 91-DK-167 · C-131289 CHIP ACROSS 1.5 m	
C-131296	AS ABOVE	/		/				ANDESITE	ANDESITE. UP TO 5% PY LOCALLY MINOR CP. (<< 1%) CHIP ACROSS 1.0 m	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: 167 LE MARE

ea (Grid):

ectors: D KROHMAN (DK)

Results Plotted By:

Map: NTS:

Date: JULY 6 '91 Surface Undergrou

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	M SH /C
21-DK-167										
R 131293	LE MARE SOUTH, Sg?		✓					ANDESITE ?	VERY ALTERED (JAROSITE, SILICIFY, LIT. VOL.	
	(MIDDLE HILL)								(AND.? ... ..., LOCALLY ...	
				✓					REP. SAMPLE OF ZONE ... 50m's WIDE	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: 167
Area (Grid): Lemare
Directors: C.K

Results Plotted By: _____
Map: _____ NTS: _____
Date: 24/7/91 Surface ___ Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	M SH /C
91CK	0/c 5m E of							mafic	epidote, pervasive 5%	
167	91CK167S017		✓					volc.	5-10% py as disseminations	
125976	(8+00)								in qtz STRIKE 40°	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: 167
Area (Grid): LEMARE LAKE SGZ
Collectors: C.K.

Results Plotted By:
Map: NTS:
Date: 26/27/91 Surface Undergrou

SAMPLE NUMBER	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE		SAMPLE DESCRIPTION	ANOMALOUS RESULTS
91 CK		nr 91 CK 167 RS							mafic		chlorite/epid	
167		105 3+20		✓					volcanics		altn	
R125977		SW. SGZ									5% py 2% cpy	
		nr CK S 102							volcanics		5% cpy as	
R125978		SW SGZ						✓			blebs	
		large o/c							mafic	STRIKE	qtz/carb altn	
R125979		5m long		✓					volcanics	79°	10% hematite	
		SW SGZ									2% cpy	
		3+50							mafic		1-2% cpy	
R125980		Upper Road SGZ		✓					volcanics		chlorite pervasive	
		3+00				✓			felsic	STRIKE	5-10% cpy/malach	
R125981		CHANNEL OVER							volcanics	100°	hornblende/biotite	
		1.5m									present	
R125982		middle road SGZ creek.		✓					felsic		2-5% py diss	
									volcanics		qtz flooding	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: 167
ea (Grid): Lemare Lk
ectors: CK

Results Plotted By:
Map: NTS:
Date: 26/7/91 Surface Undergro

SAMPLE NUMBER	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	ANOMALOUS RESULTS
91 CK		@ 1157 Awanan	✓						felsic	5-10% diss py	
167		91CK167S054			✓	1.5m			intrusive	zone 20m wide	
R 125351										STRIKE 20° DIP 65°W	
		20m N of	✓						altered	15% py	
R125352		R125351			✓	1.0m			volc.	carb. altn	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: 167 Results Plotted By:

Area (Grid): LEMARE Map: NTS:

Directors: C.K Date: 26/7/91 Surface Undergrou

SAMPLE NUMBER	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE		SAMPLE DESCRIPTION	ANOMALOUS RESULTS	S /
91 CK		nr I.R 59	✓			DIP :	50°		mafic volcanics		large 20m shear		
167		sth end of		✓		STRIKE :	W		qtz. flooded		30% py in 20		
R125957		Lemare Lk.							(porph py?)		cm veins		

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: 167
ea (Grid): LEMARE LAKE
iectors: CK / AT

Results Plotted By: _____
Map: _____ NTS: _____
Date: 24/3/91 Surface ___ Undergro

SAMPLE NUMBER	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	ANOMALOUS RESULTS
91 CK 167 R125357		Yorby Showing			✓	2m			silicified qtz rich volcanic some fspar	2% cpy hematite rich	
R125358					✓	2m			" "	2-5% cpy 1% bornite	
R125359					✓	2m			" "	1% cpy	
R125360					✓	2m			" "	1% cpy hematite	
R125361		Yorby Showing			✓	2m			" "	1% cpy	
R125362		EAST ~~Sth~~ of Yorby			✓				dox. to possible structure (ie. fault/shear) shear zone in volcanics	5% malachite 1% cpy	
R125363		NE ~~Sth~~ of Yorby			✓				sheared volcanic	chl./hem. stained 2% py 1% cpy	
R125364		Lemare Lk Road Cut, Grassy						✓	andesitic breccia	5% cpy 1% bornite	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: 167

ea (Grid): LEMARE LK GOSSAN AREA

ectors: CK

Results Plotted By: _____

Map: _____ NTS: _____

Date: 24/7/91 Surface ___ Undergrou

SAMPLE NUMBER	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	ANOMALOUS RESULTS
91 CK		sth side of	/						polylithic volcanic	shear zone	
167		Gorby		✓					breccia	0.5 m wide	
R125364									jasper frags pervasive	2-5% py	
		nth rd nr	/						shear zone in	0.5 m wide	
R-125365		Gorby		✓					andesitic porphyry	2% diss py	
										qtz/amphibole	
		Boris showing	/						fine grained ash	5% cpy as	
R125366		200m SE of		✓					tuff	blebs	
		Gorby									
		20m from	/						fine grained ash	1% malachite	
R125367		R125366		✓					tuff qtz veining	5% cpy	
									pervasive 2≤cm		

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: LE MARE #167 — Results Plotted By: JASON MILLER

Area (Grid): GOREY AREA — Map: _____ NTS: _____

Collectors: JASON MILLER — Date: AUGUST, 1991 — Surface ✓ Underground

SAMPLE NUMBER	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	ANOMALOUS RESULTS
AUG. 24/91											
91-JM-167-R-125376	300' ELEV.	NW of GOREY SHOWING 250m. (grab of vein in float boulder)	✓	✓				✓ 1.5m x 1.5m	Country rock = laminated ash tuff (reworked ?). Maroon-green.	Jasper, hem, ½% Hr. Cpy veins + cpy parallel to bedding; brx: 3-5cm.	
AUG. 25/91											
91-JM-167-R-125377	100' ELEV	NW of the GOREY SHOWING 300m. (rep. grab in float boulder)	✓	✓				✓ 1.0m x 0.5m	Silicified laminated ash tuff (reworked ?).	Quartz stockwork with brecciation, 1% fracture mal. and 1-2% Cpy fine	
91-JM-167-R-125378	130' ELEV	N of the GOREY SHOWING 250m. (rep. grab in sic? float?)	✓	✓				✓ 3m x 2m	Completely silicified green volcanic with quartz stockwork.	2% Cpy as fr. fill and disseim. with quartz/biot. Fracture bearomds (?).	
91-JM-167-R-125379	40' ELEV.	N. of the GOREY SHOWING 275m.	✓		✓ 1.5m				Fine grained green volcanic rock. Weak ½% iron stockwork.	≤ 1% Cpy fine/disseim and with ½% Hem veinlets	
91-JM-167-R-125380	10' ELEV	SE corner of Harvey Inc on the SE end of pseudo-island	✓	✓ OVER 5m					Maroon polylithic breccia. ≥ 5m thick and probably ≥ 25m	½% diss/blebby Cpy. Chlorite after mafics (Hbl) and finely diss mt. Fr. weak/hem/limon.	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: LE MARE #167
ea (Grid): GORBY SHOWING
iectors: JASON MILLER, ADAM TRAVIS

Results Plotted By: JASON MILLER
Map: _____ NTS: _____
Date: SEPT. 3/91 Surface ✓ Underground

SAMPLE NUMBER	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE		SAMPLE DESCRIPTION	ANOMALOUS RESULTS	S
91TM167C-125383	200'	1½ m west of 91-CK167C-125358 1m chip	✓		✓				Green/maroon laminated ash tuff	Silicified, sheet q.v.	0.5-1.0% Cpy as fract fill, ± qtz veins, diss.		
125384	200'	1m west of above 1m chip	✓		✓				as above	as above	as above. Jasper veins as well ± increased cpy (1-2%).		
125385	200'	1m west of above 1m chip	✓		✓				as above	as above	as above.		
125386	200'	1m west of above 1m chip	✓		✓				as above	as above	as above.		
125387	200'	1m west of above 1m chip	✓		✓				as above	as above	Less veining and jasper. 0.5% Cpy.		
125388	200'	1m west of above 1m chip	✓		✓				Green gray-pillowed basalt flow	as above.	Jasper envelopes qtz amygdules and ribbon veins. 0.5% Cpy		
125389	200'	1m west of above 1m chip	✓		✓				as above	as above	as above.		
125390	200'	1m west of above 0.85m chip.	✓		✓				as above	as above.	as above.		

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: LE MARE #167
Area (Grid): BORIS SHOWING - 1.5 km SE of Gorby.
Collectors: ADAM TRAVIS

Results Plotted By: JASON MILLER
Map: _____ NTS: _____
Date: SEPT, 1991 Surface ✓ Underground

SAMPLE NUMBER	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	ANOMALOUS RESULTS
91JM167C-125391	250'	Southern end of pit.			✓	1.0m chip			Silicified laminated ash tuff with 5% steeted quartz veining.	≤2% Cpy as fract. fill and veined with quartz.	
91JM167C-125392	250'	1.0m north of the above.			✓	1.0m chip			as above	as above.	
125393	250'	1.0m north of the above.			✓	1.0m chip			as above	as above.	
125394	250'	1.0 m north of the above.			✓	1.0m chip			as above with ≤0.5% Q.V.	Trace fract. Cpy.	
125395	250'	1.0m north of the above.			✓	1.0m chip			as above	as above	
125396	250'	1.0m north of the above.			✓	1.0m chip			as above	as above	
125397	250'	1.0m north of the above			✓	1.0m chip			Amygdaloidal flow. Vesicules contain qtz, hem/Cpy.	1% Cpy with qtz/hem amygdules.	
125398	250'	1.0m north of the above.		✓	1.0m chip across slightly transported boulders				as above	as above	
125399	250'	1.0m north of the above.		✓	1.0m chip across slightly transported boulders				as above	as above	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: LE MARE #167 91-TI
ea (Grid): GORBY-SOUTH EXTENSION
lectors: JASON MILLER, ADAM TRAVIS, KURT KAUSS

Results Plotted By: JASON MILLER
Map: _____ NTS: _____
Date: SEPT. 7/91 Surface ✓ Underground

SAMPLE NUMBER	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	ANOMALOUS RESULTS
JJM167C-131451	200'	east facing slope South Gorby extension 0-1.0m		✗	✓	1m	chip		Rotated sil. brxx of lam tuff (ash)	Tr. Cpy with jasper/ chalcedony stockwork 1-2% diss pyrite.	
131452	200'	as above 1.0-2.0m		✗	✓	1m	chip		as above	as above	
131453	200'	as above 2.0-3.5m		✗	✓	1.5m	chip		Sil laminated ash tuff to fine gr. andesite	as above	
131454	200'	as above 4.7-5.7m		✗	✓	1m	chip		as above	as above	
131455	200'	as above 5.7-6.7m		✗	✓	1m	chip		as above	as above	
131456	200'	as above 6.7-8.1m		✗	✓	1.4m	chip		as above	as above	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: LE MARE #167 91-T2
Area (Grid): SOUTH OF 91-T1 (GORBY) 15m.
Collectors: KURT KAUSS

Results Plotted By: JASON MILLER
Map: _____ NTS: _____
Date: SEPT. 8/91 Surface ✓ Underground

SAMPLE NUMBER	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	ANOMALOUS RESULTS
91JM167C	200'	15m south of 91T-1	✓		✓				Strongly s/l laminated ash tuff	1-2% diss/fract py and trace Cpy, KF envelopes fract & Q.V.	
131457		10m chip									
	200'	as above	✓		✓				as above	as above	
131458											
	200'	as above	✓		✓				as above	as above	
131459											
	200'	as above	✓		✓				as above	as above	
131460											
	200'	as above	✓		✓				as above	as above.	
131461											

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: LE MARE #167 91-T3
Area (Grid): 60m east of Goby; 50m north of RM road.
Inspectors: KURT KAUSS

Results Plotted By: JASON MILLER
Map: _____ NTS: _____
Date: SEPT. 9/91 Surface ✓ Underground

SAMPLE NUMBER	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	ANOMALOUS RESULTS
91JM167C-131462	200'	60m east of Goby; 50m north of RM road.			✓				Intensely sil fine gr. green volcanic.	Quartz vein stockwork is moderately developed with 1-3% Cpy	
131463	200'	as above	✓		✓				as above	as above.	
131464	200'	as above	✓		✓				As above	as above.	
131465	200'	as above	✓		✓				As above	as above.	
131466	200'	as above	✓		✓				Hbl-plag porph flow? intrusive ? KF altered gm	Trace to 0.5% Cpy with quartz veining (less developed than above)	
131467	200'	as above	✓		✓				qs #462 (30%) qs #466 (30%)	as above	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: LE MARE #167
Area (Grid): 300 m west of Gorby Shearing (T4,T5)
Inspectors: JASON MILLER

Results Plotted By: JASON MILLER
Map: _____ NTS: _____
Date: SEPT. 10, 1991 Surface ✓ Underground

SAMPLE NUMBER	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	ANOMALOUS RESULTS
91JM167C	200'	300 m west of Gorby		✓	✓	1.0 m chip			Sil/KF altered green and pink volcanic	Trace to 0.5% Cpy diss and fracture filled. Atypical qtz veinlets.	
131468		91-T4									
	200'	as above		✓	✓	1.0 m chip			as above.	as above	
131469											
	200'	as above		✓	✓	1.0 m chip			as above	as above	
131470											
	200'	50m east of 91-T4		✓	✓	1.0 m chip			Dark, magnetic fine grained volcanic (basalt?)	<1% diss/fract Cpy. Fracture malachite.	
131471		91-T5									
	200'	as above		✓	✓	1.0 m chip			as above	1-2% diss pyrite. Trace Cpy.	
131472											
	200'	as above		✓	✓	1.0 m chip			as above	as above.	
131473											

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: LE MARE #167 91-T6
Area (Grid): 150 m west of Girby below RM road.
Collectors: JASON MILLER, KURT KAASS

Results Plotted By: JASON MILLER
Map: _____ NTS: _____
Date: SEPT. 10/91 Surface ✓ Underground

SAMPLE NUMBER	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	ANOMALOUS RESULTS
91JM167C-131474	200'	150 m west of Girby below RM road.		✓		1.0m chip			Dark, fgm altered lapilli tuff (and basalt)	Brecciated by silica and quartz veined with ≤1% Cpy.	
131475	200'	as above		✓		1.0m chip			as above	1-2% blebby/fracture pyrite and trace Cpy with minor qtz veinlets.	
131476	200'	as above		✓		1.0m chip			as above	as above.	
131479	200'	as above		✓		1.0m chip			dark, fine grained volc. (lap. tuff-bas?)	Trace blebby py; trace Cpy in quartz veins.	
131478	200'	as above		✓		1.0m chip			as above	as above.	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: LE MARE #167 91-T7, 91-T8
ea (Grid): 100m SW of Harvey Cove
ectors: KURT KAUSS, JASON MILLER

Results Plotted By: JASON MILLER
Map: _____ NTS: _____
Date: SEPT. 11/91 Surface ✓ Underg

SAMPLE NUMBER 91-T7	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	ANOMALOUS RESULTS
91JM167C 131479	150'	100 m SW of Harvey Cove below North Spur of Gorby Rd.	T7 ✓		✓	1.0m chip			Primary breccia of rotated laminated ash tuff fragments. SIL, KF	0.5% Cpy diss/fract and trace malachite. Intense sil/KF alt'n.	
131480	150'	as above	T7 ✓		✓	1.0m chip			as above	As above, only trace Cpy.	
131481	150'	as above	T7 ✓		✓	1.0m chip			~~as above~~ laminated ash tuff. Intense sil/KF alt.	As above	
131482	150'	as above		✓	✓	1.0m chip			as #479	0.5-1.0% diss Cpy and 1.0% fract. malachite.	
131483	150'	as above		✓	✓	0.8m chip			as #479	≤0.5% diss Cpy and 0.5%-1.0% fract. malachite.	
91-T8											
91JM167C- 131484	180'	91-T8 = 50m east of Gorby showing and 5m north of 91-T7	T8 ✓		✓	1.3m chip			Apple green and pink sil and kf altered ash tuff, andesitic? sometimes bedded	0.5-1.0% diss/fract Cpy. 1-2% finely diss py.	
131485	180'	as above	T8 ✓		✓	1.0m chip			as above	Trace Cpy; 1-2% finely diss py.	
131486	180'	as above	T8 ✓		✓	1.0m Chip			as above	as above	
131487	180'	as above	T8 ✓		✓	1.0m chip			as above	0.5-1.0% diss/fr Cpy 1-2% finely diss Px	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: LE MARE #167 — Results Plotted By: ADAM TRAVIS

Area (Grid): Harrow Cove - 300m north of Gordon — Map: _____ NTS: _____

Inspectors: ADAM TRAVIS KURT KRUSS JASON MILLER — Date: SEPT. 12/1991 — Surface ✓ Underground

SAMPLE NUMBER	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	ANOMALOUS RESULTS
9LTM167C-13:488	5'	SE end of 'pseudo-island'.		✓	✓	1.0m chip			Dark brown, chl. mt. hem altered volcanic. Fnd. lapilli tuff (?)	≤0.5% diss/fract Cpy.	
12,489	5'	1.0m NE		✓	✓	1.0m chip			as above	as above	
13,490	5'	1.0m NE		✓	✓	1.0m chip			as above	as above	
13,491	5'	1.0m NE		✓	✓	1.0m chip			as above	as above	
13,492	5'	1.0m NE		✓	✓	1.0m chip			as above	0.5-1.0% diss/fract Cpy	
13,493	5'	1.0m NE		✓	✓	1.0m chip			as above	as above	
13,494	5'	1.0m NE		✓	✓	1.0m chip			as above	as above	
13,495	5'	1.0m NE		✓	✓	1.0m chip			as above	as above	
131496	5'	1.0m NE		✓	✓	1.0m chip			as above	as above	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: LE MARE #167 — Results Plotted By: ADAM TRAVIS

ea (Grid): Hatrew Cove - 300m north of Gordon — Map: _____ NTS: _____

iectors: ADAM TRAVIS KURT KAUSS JASON MILLER — Date: SEPT. 12/1991 — Surface ✓ Underground

SAMPLE NUMBER	ELEVATION (FT)	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE		SAMPLE DESCRIPTION	ANOMALOUS RESULTS
91-M167C-13,497	5'	1.0m NE of 13,496 ✓	✓		✓	1.0m chip			Dark brown hem altered fmd. lapilli	chl. rt. volcanic tuff (?)	C.S. 1.0% Cpy (disseminated).	
	5'	1.0m NE		✓	✓	1.0m chip			as above		as above.	
13,498												
	5'	3.0m NE		✓	✓	1.0m chip			as above		Silica flooded, 2-3% Cpy in stringers and fracture filling, rust stain.	
13,499												
	5'	1.0m N		✓	✓	1.0m chip			as above		as above	
13,500												

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: LE MARE #167 — Results Plotted By: ADAM TRAVIS

ea (Grid): Harvey Cove, 300 m north of Gordon — Map: _____ NTS: _____

ectors: ADAM TRAVIS KURT KRUSS. JASON MILLER — Date: SEPT. 12/1991 — Surface ✓ Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	ANOMALOUS RESULTS
91-167C-	2.5m west of 91-JM167C-		✓	✓	1.0m	chip		Silicified, dark volcanic	<0.5% disseminated Cpy	
125229	13145E and 8m higher							And. lapilli tuff (?)	1-2% pyrite	
	20' ELEV.									
	1.0m west		✓	✓	1.0m	chip		as above	as above	
125230										
	1.0m west		✓	✓	1.0m	chip		as above	as above	
125231										
	1.0m west		✓	✓	1.0m	chip		as above	as above	
125232										
	1.0m west		✓	✓	1.0m	chip		as above	as above	
125233										
	1.0m west		✓	✓	1.0m	chip		as above	as above	
125234										
	4m x 2m float boulder		✓	✓			✓	Silicified (intensely) mottled	0.5% Cpy; trace	
125235	in gully South of		1.0m	chip in	float	blk.		maroon-green rind.	malachite	
	'pseudo-island'.							lapilli tuff (?)		
	as above.		✓	✓			✓	as above	as above	
125236			1.0m	chip in	float	blk.				
	as above.		✓	✓			✓	as above	as above	
125237			1.0m	chip in	float	blk.				

STREAM SEDIMENTS

KEEWATIN L GINEERING INC.

STREAM SEDIMENTS

Project: KEE 901 Results Plotted By:

Area (Grid): Map: N.T.S.: 92L 5

Collectors: A.O. BIRKELAND Date: May 3, 4, 5

Sample Number	NOTES	SEDIMENT DATA: Gravel	Sand	Silt	Clay	Organic	STREAM DATA: Bank	Active	Width	Depth	Velocity	SPRING	DRY GULLY
~~E901 M001~~ (910001)	Alluvial Material with Fine gravel/sandy sand - Layer.		✓						1	Seep Mod		✓	
M002 (910002)	A.T. sample Fault									Mod			✓
M003 (910003)	Main branch - 100 mm high ice wedge with boulders in creek (AB 105)								3-4 m	.5	Mod		
M004 (910004)	Main Creek - with Tertiary fault, aerial Velo. (Marion) (AB 106)		✓						2m	.5m			
M006 (no sample #)	Hook Channel - Good MM in altered bedrock, base + Tr Magnetite in fractures.												
M007 (910006)	Small seep from gully. Sil. Tg w/ Mn staining toward creek? Mixed ASS + MM Sil. to be noted — No Geoch response? "Moly Zone"			✓				✓		Seep			

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: Le Mare (167) — Results Plotted By: _____

Area (Grid): _____ — Map: _____ N.T.S.: 52 L/15 W

Collectors: H Kirkland — Date: _____

Sample Number	NOTES: Elev. / Loc.	Rock Types	SEDIMENT DATA: Gravel	Sand	Silt	Clay	Organic	STREAM DATA: Bank	Active	Width	Depth	Velocity	SPRING	DRY GULLY
M 3001	Mod. good MM.	Diorite/gil/volc		50	50			M-M		-2'	-1'	M		
06/20/91														
M 3002	Intermittent Creek - good M. M. Flows E loc.	Dark gr-green amphibolite talcose flows.								2-8	6"	M		
M 3003		And. basalt chlor. altered pillowed rock to E of L1		90						2-8	2'	M		
06/22/91	300' West Lenture	Dark green and.		✓	✓	✓	M			-2'	1'	M		
M 3010														
3011	West	Med green chlor weathering and.			✓	✓	weight			-2'	1'	M		
3012	Dry gulch - creek flows in runoff.	Massive dark green grey sand. volcaniclastic interbedded				✓	high			2'		Mod		
3013		dark green and. cropper veins & bx zones.			✓		M			2'		Mod		
3014	West Lenture				✓		M			2'		Mod		

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: LeMARE 167 Results Plotted By: _____

Area (Grid): _____ Map: _____ N.T.S.: _____

Collectors: A. O. FIRKELAND Date: _____

Sample Number	Location / Elevation	NOTES	Rock Description	SEDIMENT DATA: Gravel	Sand	Silt	Clay	Organic	STREAM DATA: Bank	Active	Width	Depth	Velocity	SPRING	DRY GULLY
[illegible]	Cliff Pt.	Not a prominent	Float: dark green and	✓		✓	✓	Mix			-2'	±.5	Sl.		
91AB167	Quatsino Sound	Creek - keep	Green dio												
L 3284	± 50'	Sample													
06/10/91	Sound	Resample of L3284	Darker green mass and jas	✓		✓	✓	Mix			DRY		Mod		
91AB167	Cliff Point	Location: Dry drainage and flows ± less									-2'				
S 3927	150'	Sample is soil ± from													
		dry gully													
91AB167	Sound	± 100 - 200 m	Dark green mas	✓	✓			Mod	Keep Sample				Mod		
L 3284	[illegible] pt.	E. of S3927	and. - olive and pea						from Face of						
			[illegible] ash and jasper						Bank						
91AB167	Sound		Green and - finely	✓		✓	✓	Mod					Sl. op		
M3929	Cliff Pt.		jointed breccia												
			light mineral												

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: LEMARE

Area (Grid):

Collectors: A TRAVIS

Results Plotted By:

Map: N.T.S.: 92L/5

Date: June 21 /91

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA						
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity	SPRING	DRY GULLY
91AT167M-3101	WEST SIDE OF SOUTH ARM OF LAKE SAME LOCATION AS JAY'S 3206 (NO FLAG) (SG7)	✓	~	—				✓	3m	5cm	M		

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: Le Mare (167) — Results Plotted By: _____

Area (Grid): _____ — Map: _____ N.T.S.: 92 L/5

Collectors: IAN McKINNEY (IM) — Date: 13 June – 1 July 1991

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY	
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity			
	June 1991													
IM-M-3200	Blk organic mud in moss on underside of log (N. LEMARE Creek)				✓	✓			2-8'	6"	Moderate			
IM-M-3201	Good moss mat, on bedrock (N. LEMARE CK)	60%	20%						<2'	2"	Moderate			
IM-M-3202	Good moss mat. Stream bed clean all sod washed out (Lake Zone)	—							<2'	2"	Shallow			
IM-M-3203	Good moss mat (Lake Zone)	20%	50%						2-8'	5"	Moderate			
21-25 June 1991														
IM-M-3204	Taken on gravel bar in centre of stream where water fall lands. (Lake Zone)	80%	10%						<2'	6"	Steep			
IM-M-3205	Stream bed clean of sediment. From under log in centre. Good sand/silt	—	—						<2'	2"	Moderate			
IM-M-3206	Wet moss from bedrock in centre of creek. Small sample, poor sediment content. Clean stream bed.								<2'	1"	Moderate			
IM-M-3207	Log, Stream. Dry Moss on log. Hldrs 1' above water.	40%	40%						8-20'	6"	Moderate			
IM-M-3208	Good Mat From banks of small hldrs in centre of stream.	Boulders Only							<2'	2"	Moderate			
IM-M3209	Good Mat From rocks in centre of streambed	50%	40%						2-8'	2"	Moderate			
IM-M3210	Similar to 3209	50%	40%						2-8'	2"	Moderate			
22 June	East of Southern of LeMare Lake													
IM-M3211	Low silt content. Wet moss on rock in centre of stream	80%							2-8'	1"	Shallow			(P)
IM-M3212	Just above road cut. Stream choked with logs.	—	—						<2'	1"	Moderate			(P)
IM-M3213	Poor mat from 2 sites. Poor moss development. Low silt content.	70%	20%						<2'	DRY	Moderate			(P)
IM-M3214	Good mat from bedrock shelf.	50%	40%						8-20'	1'	Mod-Shallow			(P)
IM-M3215	Good mat from Hldr in centre of strm.	70%	20%						<2'	3"	Shallow			(P)
IM-M3216	Good mat from hldrs in centre of strm.	80%	+Hldrs						2-8'	6"	Shallow			(P)
IM-M3217	Good mat from Log, Hldrs in centre of stream.	60%	+hldrs						<2'	DRY	Shallow			(P)
IM-M3218	Sandy mat From high esp knobs in centre of stream. Narrow canyon	80%							2-8'	1'	Shallow			(P)
23 June	Culleet Ck Area													
IM-M3219	Good mat From banks of boulders in 2 locns. Culleet Ck.	50%	+Hldrs						<2'	3"	Shallow			(P)
M3220	Good mat from backs of hldrs in centre of stream. Culleet Ck.	Only	Hldrs.	Log	choked				<2'	Trickle	Shallow			(P)
M3221	Mat From hldrs & esp shelf. Slight possibility of bank contamination. Culleet Ck.	90%							2-8'	6"	Moderate			(P)
M3222	Good mat from esp ledge in centre of stream. Culleet Ck.	Only	boulders.											(P)
M3223	Good mat from back of Hldrs in centre of stream. Culleet Ck.	80%							2-8'	DRY	Shallow			(P)
M3224	Good mat From Hldrs in centre of stream. Culleet Ck.	70%							2-8'	DRY	Shallow			(P)
M3225	Good Sand/silt mat from banks & log Hldrs centre of stream	✓	✓	Mostly boulders					2-9'	DRY	Shallow			(P)

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: LeMare (17) Results Plotted By: _____

Area (Grid): _____ Map: _____ N.T.S.: 92L/5

Collectors: IAN McCAMMON (IM) Date: 1 July 1991 -

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY	
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity			
1 July	Continued													
IM-M-3226	Thick Moss, blk mud in mat. From top of bldrs in centre. Collect Ck	Bldrs only							2-8'	DRY	Shallow			(F)
3227	Good mat From bldrs in centre of Stream E. of LeMare Lk.	60%							<2'	1"	Mod-Shallow			(F)
3228	Good mat - mostly from bldrs in centre of stream. E. of LeMare Lk	40%	40%	bldrs					2-8'	6"	Moderate			(F)
3229	Fine blk silt/clay in mat developed on cemented till. E. of Lemare Lk.	Bldrs only.							<2'	2"	Shallow			
4 July '91	Lake Zone, South, South Grasson Zone													
M-3235	Beside Lk. Zone South of Showing. Poor site. From logs 1-2' above waterlevel in centre of stream. Good silt content.		✓	✓	✓	HIGH			<2'	4"	Shallow			(C)
M-3236	South Grasson Zone. Good mat From orgs in centre of stream.		✓	✓	✓				<2'	2"	Moderate			(C)
M-3237	" " " . Good mat From vertical outcrop face.		✓	✓	✓				<2'	2"	Moderate			(F)
8 July 91	South Grasson Zone													
M-3256	Good silt-rich mat From on bedrock. Vertical face			✓	✓				<2'	1"	Steep			
M-3257	Good mat from small bldrs			✓	✓				<2'	1"	Moderate			
18 July	South Grasson Zone													
M-3297	Fine sandy mat from top of bldrs.		✓						2-8'	5"	Moderate			
M-3298	Sandy mat From org ledge. Good example		✓						8-20'	1'	Shallow			
20 July	South Grasson Zone													
M-3299	Good mat from centre of stream. Org Intermediate Felsic Tuff org.		✓	✓	✓				2-8'	2"	Steep			
M-3600	Dry fine sandy mat From back of lge bldr. Epidotized Andesite org		✓						8-20'	6"	Shallow			
M-3601	Good mat from top of bldrs.		✓	✓	✓				2-8'	2"	Moderate			
M-3602	Mat off logs. High silt content low organic. Good sample			✓	✓				2-8'	6"	Shallow			
M-3603	Good mat from large boulder, draining central SGZ		✓	✓	✓				2-8'	6"	Moderate			
M-3604	Fair silty mat. Close to edge of road. draining central SGZ			✓	✓				2-8'	4"	Moderate			
M-3605	Good silt/clay mat just above road. Log choked stream.			✓	✓				2-8'	2"	Moderate			
M-3606	Good mat. Draining central SGZ.			✓	✓				2-8'	3"	Moderate			
22 July	North East part of Property													
M-3607	From org ledge, low possibility of bank contamination. Good to fair sand/silt content.		✓	✓	✓				2-8'	6"	M			

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: LE MARE (167) Results Plotted By:

Area (Grid): Map: N.T.S.: 52 L/5

Collectors: IAN McCARTNEY (IOM) Date:

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity		
22 cont.	Continued NE. of Property												
M-3608	Black, high organic. Very minor seasonal stream. Rhyo Agg			✓	✓	High			<2'	dry	M		
M-3609	Good mat from base of large boulder. Previous acc.		✓	✓	✓	✓			2-8'	2"	M		
M-3610	25m from 3609. High energy, subject to debris flows		✓	✓	✓	✓			2-8'	dry	M		
M-3611	No gully or stream impression but significant stream.		✓	✓	✓				2-8'	dry	M		
M-3612	Organic silty mat from tops and backs of boulders.		✓	✓	✓				2-8'	dry	M		
M-3613	Good dk brown organic rich silty mat. AND, B.S. tuff slides.			✓	✓	High			2-8'	dry	M		
M-3614	Good silt content in organic rich mat.			✓	✓	High			2-8'	dry	M		
M-3615	Good sandy mat from top of slide. Fg. diorite bedrock		✓			✓			8-20'	1"	low		
M-3616	Good mat from base of Lge slide. Magnetic fg. andesite with quartz veins/stringers in bedrock			✓	✓	✓			2-8'	2"	M		
M-3617	Good mat from top & back of slides. Recent flow bedrock		✓	✓	✓	✓			2-8'	1"	low		
M-3618	Good mat from tops of slides.		.	✓	✓	✓			2-8'	dry	low		
M-3619	Good mat from one ledge, Clean stream cut magnetic diorite altered diorite or basaltic volcanic bedrock.		✓	*		✓			8-20'	1"	M		
M-3620	Very good mat from tops of large slides. Some bedrock on 3619		✓			✓			2-8'	<1"	low		
M-3621	Good mat from tops of slides.		✓						2-8'	<1"	low		
M-3622	" " " " " "		✓	✓	✓	✓			2-8'	dry	M		
M-3623	" " " " " " . Moderately magnetic fg. mafic volc. in float.		✓	✓	✓	✓			2-8'	dry			
M-3624	Poor mat development, thin low silt mats taken over 30m			✓	✓	✓			2-8'	2"	low		

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: LEMARE — Results Plotted By: _____

Area (Grid): _____ — Map: _____ N.T.S.: 92 L/5

Collectors: T. Leonard — Date: June 21/91

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity		
20/06/91													
M-3300	Hand sample. Green-purple volcanic rocks		✓	✓				✓	8-20'	8'	M		
M-3301	Greeny gray Basic volcanics			✓	✓			✓	2-8'	6'	S-M		
M-3302	Basic volcanics. Stream filled with dead fall			✓	✓			✓	2-8'	6'	M		
M-3303				✓	✓			✓	2-8'	4'	M		
M-3304	25m from road to sample		✓	✓				✓	2-8'	3'	S-M		
M-3305	Purple lapilli tuff bedrock			✓	✓			✓	2-8'	3'	M		
M-3306	Rusted very weathered bedrock		✓					✓	~2'	4'	S-M		
M-3307	15m from road to sample		✓	✓	✓			✓	2-2	7'	M		
21/06/91													
M-3309	Roadfall covering creek			✓	✓			✓	~2'	4'	M		

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: 167 Results Plotted By:

Area (Grid): Map: N.T.S.:

Collectors: J.L. JAY LEONARD Date: 22-28/06 '87

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity		
M-3309	Purple Green Volcanics			✓	✓			✓	2-20'	0	S+M		
M-3310	Greeny + Purple Volcanics			✓	✓			✓	2-8'	6"	M		
M-3311	Rusty Purple Volcanics			✓	✓			✓	2-8'	5"	M		
M-3312	Greeny Purple Volcanics			✓	✓			✓	20-50	6"	Shall		
M-3313	Purple Volcanics			✓	✓			✓	2-8'	2"	M		
M-3314	Greeny Volcanics			✓	✓			✓	2-8'	6"	S+M		
M-3315	Greeny Volcanic Tuff			✓		✓		✓	2-8'	3"	M		
M-3316	Purple Volcanics			✓		✓		✓	2-8'	4"	M		
M-3317	Grey Green Volcanics			✓	✓			✓	2-8'	4"	M		
M-3318	GRDR 1-3% MT			✓	✓			✓	-2'	3"	Shall		
M-3319	Purple Volcanics		✓	✓	✓			✓	+2'	2"	Shall		
M-3320	Andesitic Volcanics			✓	✓			✓	-2	2"	Shall		
M-3321				✓	✓			✓	2-8'	4"	M		
M-3322				✓		✓		✓	-2'	3"	Shall		
M-3323				✓		✓		✓	-2'	2"	M		
M-3324				✓	✓			✓	2-8'	3"	M		
M-3325				✓	✓	✓		✓	-2'	2"	Shall		
											✓		
M-3331				✓	✓			✓	8-20'	3"	M		

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: 167 (LE MARE)

Area (Grid):

Collectors: DARCY KROHMAN (D.K)

Results Plotted By:

Map: N.T.S.:

Date: JULY 2, 1991

Sample Number (91 DK 167 M)	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity		
3400	SHALLOW STREAM GRADE. SAMPLE FROM NEAR WATER LEVEL (Lillooet EAST)		50%	50%				/	8-20'				
3401	STEEP STREAM GRADE. SAMPLE FROM BELOW WATER LEVEL (Lillooet EAST)		50%	50%				/	8-20'				
3402	MODERATE STREAM GRADE. SAMPLE FROM NEAR WATER LEVEL EAST OF LEMARE LK.		20%	80%				/	2-8'				
3403	MODERATE STREAM GRADE. SAMPLE FROM HIGH WATER LEVEL		20%	80%				/	2-8'				
3404	MODERATE STREAM GRADE. SAMPLE FROM NEAR HIGH WATER LEVEL		20%	80%				/	2-8'				
3405	SHALLOW STREAM GRADE. SAMPLE FROM NEAR HIGH WATER LEVEL		20%	80%				/	8-20'				
3406	STEEP STREAM GRADE. SAMPLE FROM NEAR HIGH WATER LEVEL		20%	80%				/	2-8'				
3407	SHALLOW STREAM GRADE. SAMPLE FROM HIGH WATER LEVEL		20%	80%				/	8-20'				
3408	?												
3432	?												

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: LeMare

Area (Grid): Mah-te-nicht IR #8

Collectors: TRAVIS

Results Plotted By:

Map: N.T.S.: 92 L/5

Date: July 23/91

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity		
BIAT167N-3772	Taken ~200m up creek from ocean, North Fork		✓	–		✓		✓	5-20'	1"	M		
M-3773	, South Fork		✓	✓		✓		✓	5-20'	Dry	M		

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS AND MOSS MATS

Project: 167 Results Plotted By:

Area (Grid): Tamarack Lake Map: N.T.S.:

Collectors: C.K Date: July 20

DATE/ Sample Number	Elevation (FT)	Location	NOTES	Rock Description	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY	ANOMALOUS VALUES
					Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width m	Depth cm	Velocity			
20 CK-167	M3562	4th creek of Tamarack		bkgr. wdlc.	✓	✓			✓		✓	6	50	Mod	Extensive		
	M3563	500m S of 3562		felsic wdlc	✓	✓	✓	✓	✓		✓	6	100	Mod	"		
	M3564	mouth	LEM 6 LEM 12	bkgr.	✓	✓	✓	✓	✓		✓	3	10.0	Mod			
	M3565	300m upstream	3564	bkgr.	✓	✓			✓		✓	6	200	Mod	Extensive		

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS AND MOSS MATS

Project: 167

Area (Grid): Lemare Lk

Collectors: SK

Results Plotted By:

Map: N.T.S.:

Date: 15/7/91

DATE/ Sample Number	ELEVATION (FT)	LOCATION	NOTES	ROCK DESCRIPTION	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY	ANOMALOUS VALUES
					Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity			
91 CK 167 M		4013	13+50 Lk tributary	no o/c	✓	✓	✓	✓	✓		✓	8-20	6"	MOD			
		4014	9+00	no o/c	✓	✓	✓	✓	✓		✓	2-8	3"	MOD			
		4015	8+60	no o/c	✓	✓	✓	✓	✓		✓	2-8	3"	MOD			
		4016	6+70	no o/c	✓	✓	✓	✓	✓		✓	8-20	5"	MOD			

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS AND MOSS MATS

Project: LeMare

Area (Grid): North of SG2

Collectors: TRAVIS

Results Plotted By: _____

Map: _____ N.T.S.: _____

Date: Aug 17/91

DATE/ Sample Number	ELEVATION (FT)	LOCATION	NOTES	ROCK DESCRIPTION	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY	ANOMALOUS VALUES
					Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity			
91AM167M-3865		470m on soil line (11360 4442)		Maroon coloured volc.	✓	✓	✓	✓			✓	8-20'	<1"	F			
91AM167M-3871		Collect Tributary near mouth with Collect Creek		Mottled Lapilli Tuffs, Feldspar Phyric	✓	✓	✓	✓			✓	8-20	6"	M			
SEPT 3/91																	
DIAMOND FILE 2237		North of Lindsey Cove		Maroon-grn volc		✓	✓	✓			✓	2-8'	3"	M			
M-3873		"	"	?		✓	✓	✓			✓	2-8'	8"	F			
M-3874		"	"	Maroon volc		✓	✓	✓	✓		✓	8-20'	<1"	M			
91AM167M-3881		Road above Molly Zone		intrusive/volc.			✓	✓			✓	2-8'	<1"	M			

SOILS

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 167 — Results Plotted By:

Area (Grid): Lemare Lk — Map: — N.T.S.:

Collectors: BK/AZ — Date

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon: Good	Soil Data: Horizon: Poor	Soil Data: Development	Soil Data: Parent: Drift	Soil Data: Parent: Bedrock	Soil Data: Material	Colour
91AT 1675	1089	13+66	clay frags			SW						✓			B	20	✓			✓			RB
	1090	14+18	S flags			↓						✓			B	30	✓			✓			RB
	1091	14+78	till									↓			A	30	✓			✓			RB
	1092	15+07	till												B	30	✓			✓			DB
	1093	15+62	weathered												B	20	✓			✓			RB
	1094	16+14													B	30	✓			✓			RB
	1095	16+81	maf volc												C	30	✓			✓			RB
	1096	17+17	till												B	20	✓	✓			✓		RB
	1097	17+63	till												B	20	✓			✓			RB
	1098	18+03	bedrock												B	20	✓			✓			RB
	1099	19+00	org												B	20	✓			✓			RB
91AT 1675	1100	19+53	org												B	20		✓			✓		DB
	1101	19+95	org/clay												B	30	✓			✓			RB
	1102	20+36	frags												D	40	✓			✓			RB
	1103	0+78	organics												A	40	✓			✓			RB
	1104	1+04	org												B	30	✓			✓			BR
	1105	1+53	till												B	30	✓			✓			RB
	1106	1+90	till												B	30	✓			✓			RB
	1107	2+54	maroon volc												A	30	✓			✓			RB
	1108	4+50	till												B	40	✓			✓			RB
	1109	5+02	till on volc												B	40	✓			✓			RB
91 AT 1675	1110	5+50	maroon volc												B	30	✓			✓			DB
	1111	6+00	"												B	40	✓			✓			RB
	1112	6+65	till												B	40	✓			✓			RB
	1113	7+20	till												B	100	✓			✓			RB
	1114	7+81	till												B	40	✓			✓			RB
91AT 1675	1115	8+00	till			↓						↓			B	30	✓			✓			RB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 167 — Results Plotted By:

Area (Grid): Lemare Lk — Map: — N.T.S.:

Collectors: BK/AJ — Date

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91 AT 1675	1116	8+84	till			SW						✓			B	35	✓		✓		RB
	1117	9+34	till									✓			A	40	✓		✓		RB
	1118	9+84	rd. wldrns												B	30	✓		✓		RB
	1119	10+30	maroon volc.												B	20	✓		✓		RB
91 AT 1675	1120	10+80	volcanics												B	40	✓		✓		RB
	1121	11+40	till												B	40	✓		✓		RB
	1122	12+00	till												A	20	✓		✓		DB
	1123	12+53	till/org.												A	40	✓		✓		DB
	1124	13+04	till/clay												A	30	✓		✓		DB
	1125	13+50	till												B	20	✓		✓		RB
	1126	14+00	till			✓						✓			A	30	✓		✓		RB
	1127	Hill Top	Felsic Dome?				✓					✓			B	30	✓		✓		RG
91AT1675	1128	0+50	till			SE						✓			B	20			✓		RB
	1129	1+00	till													15					MG
Bridge	1130	1+50	till													15					RB
[illegible]	1131	2+00	till													15					RB
[illegible]	1132	2+50	till													40					RB
creek	1133	3+00	till													20					RB
	1134	3+45	till													15					RB
	1135	4+10	Downslope from 1134													10					RB
	1136	4+42	10m before creek													10					RB
	1137	5+15	15m after creek													10					GB
	1138	5+55	till												B	10					RB
	1139	6+05	Slide?												A/B	40					GB
	1140	6+50	till			SE						✓			B	15			✓		RG

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: LeNare — Results Plotted By: _____

Area (Grid): North of South Gossan Zone — Map: _____ N.T.S.: _____

Collectors: TRAVIS — Date Aug 17/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
NAT 1675	1141	7+00				SE						✓			B	20					RB
	1142	7+35				↓						↓			↓	30					RB
	1143	0+60	RESET @ END OF ROAD													20					RB
	1144	1+00	5m past small creek													30					RB
	1145	1+55	fg tuff													15					RB
	1146	1+95	ash tuff													20					RB
	1147	2+60														20					RB
	1148	3+05														15					RB
	1149	3+45	Trace Hal. Rhy-Dc Tuff													30					RB
	1150	4+05														60					RB
	1151	4+65														20					RB
	1152	Above chloritic fw (OKS054)														20					RB
	1153		25m NE													10					GB
	1154		gossan, Py 3-5%													20					RB
	1155		20m NW			↓						↓			↓	15					MB
	1156		20m WEST			SE						✓			B	15					RC

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: #167 — Results Plotted By: JASON MILLER

Area (Grid): SW of Le Mare Lake (South Gossan Zone) — Map: _____ N.T.S.: _____

Collectors: ADAM TRAVIS, JASON MILLER — Date AUGUST 29, 1991

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon: Good	Soil Data: Horizon: Poor	Soil Data: Development: Drift	Soil Data: Development: Bedrock	Soil Data: Parent Material	Soil Data: Colour
AT-1675-1157		0+00	TILL	✓		N						✓			B	30						RB
1158		0+50	TILL	✓		N										20						RB
1159		1+20	M. VOLC	✓		N										30				✓		RB
1160		1+73	TILL	✓		N										40						RB
1161		2+15	TILL	✓		N										20						RB
1162		2+50	TILL ON & VOLC	✓		N										50						DB
1163		3+45	VOLC	✓		E										30				✓		RB
1164		4+00	TILL	✓		E										40						RB
1165		4+50	VOLC	✓		E										30				✓		RB
1166		5+00	VOLC	✓		E										20				✓		RB
1167		5+54	TILL	✓		NE										30						RB
1168		5+95	VOLC	✓		N										40				✓		RB
1169		6+85	VOLC/TILL	✓		N										30						RB
1170		7+45	VOLC/TILL	✓		N										40						RB
1171		8+15	VOLC/TILL	✓		N										30						RB
1172		0+60	TILL	✓		NE										40						RB
1173		1+00	TILL	✓		NE										30						RB
1174		1+50	TILL/BEDROCK	✓		NE										40						RB
1175		1+95	TILL	✓		NE										30						DB
1176		2+75	TILL/BEDROCK	✓		NE										40						RB
1177		3+20	TILL/BEDROCK	✓		NE										30						RB
1178		4+00	TILL	✓		NE										40						RB
1179		4+45	VOLC	✓		NE										30				✓		RB
1180		0+50	TILL	✓		E										40						RB
1181		1+02	TILL/M. VOLC.	✓		E										30						RB
1182		1+65	VOLC	✓		E										40				✓		RB
1183		2+36	TILL	✓		E										40						RB
1184		2+65	TILL	✓		E										30						RB
1185		3+07	TILL	✓		E						✓				50						RB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: #167 — Results Plotted By: _____

Area (Grid): South Gossan Zone — Map: _____ N.T.S.: _____

Collectors: A.T / J.M — Date: Aug 29/91, Aug 30/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
HT1675-1186		0+00	TILL		✓	E						✓			B	30					RB
1187		0+50	TILL		✓	E										40					RB
1188		1+00	TILL		✓	E										30					RB
1189		1+43	TILL		✓	E										30					RB
1190		2+00	TILL		✓	E										30					RB
1191		2+55	TILL		✓	E										30					RB
1192		3+10	TILL/BEDROCK		✓	E										40					RB
1193		0+60	TILL		✓	S										40					RB
1194		1+00	BEDROCK		✓	S										50				✓	RB
1195		1+50	BEDROCK		✓	S										60				✓	RB
1196		1+95	BEDROCK, MAS. VOLC.		✓	S										40				✓	RB
1197		2+45	Bed, meta-lithic		✓	S										40				✓	RB
1198		2+95	Bedrock		✓	S										35				✓	RB
1199		3+70	Bedrock		✓	S										30				✓	RB
1200		0+50	Bedrock		✓	N										25				✓	MG
1201		1+00	TILL		✓	N										35					MG
1202		1+75	TILL		✓		✓									20					MB
1203		2+30	TILL/BEDROCK		✓		✓									25					MG
1204		2+80	SHEAR		✓		✓									20				✓	MG
1205		3+40	TILL		✓		✓									35					RB
1206		4+20	TILL		✓		✓									25					RB
1207		4+95	BEDROCK		✓		✓									25				✓	RB
1208		5+60	TILL		✓		✓									20					RB
1209		6+05	TILL		✓		✓									20					MB
1210		6+77	TILL		✓		✓									15					RB
1211		7+10	TILL		✓		✓									15					MB
1212		7+65	BEDROCK/TILL		✓		✓									30					RB
1213		8+01	TILL		✓		✓									25					RB
1214		8+78	TILL/BED. (INT?)		✓		✓								↓	25					RB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: #167 — Results Plotted By: _____

Area (Grid): SOUTH Gossan Zone — Map: _____ N.T.S.: _____

Collectors: A.T / J.M — Date Aug 30/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
1216TO25-R15		0+60	TILL, clay		✓	N						✓			B	25					MB
1216		1+00	TILL, pebbles		✓	N						✓			B	35					RB
1217		1+75	TILL, clay, pebbles		✓	N						✓			B	15					RB
1218		2+20	TILL " "		✓	N						✓			B	15					RB
1219		2+75	TILL pebbles		✓	N						✓			B	25					RB
1220		3+40	TILL clay, pebbles		✓	N						✓			B	10					RB
1221		3+75	TILL " "		✓	N						✓			B	15					RB
1222		4+25	TILL " "		✓	N						✓			B	15					RB
1223		4+87	TILL, pebbles		✓	N						✓			AB	20					RB
1224		5+50	TILL / BEDROCK, sandy		✓	N						✓			B	15					RB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: LEMARE — Results Plotted By: _____

Area (Grid): South Lemare + Culleet Creek — Map: _____ N.T.S.: _____

Collectors: A.T, J.M — Date SEPT 2/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
HATK75-1225		0+30	rocky		✓	NW						✓			B	20					RB
1226		0+55	sandy		✓	NW						✓			B	45					RB
1227		0+85	till, altd rock? py, cpy		✓	NW						✓			B	20					RO/GB
1228		1+15	Grave Road 0+95		✓	NW						✓			B	20					LRB
1229		1+50	clayey		✓	NW						✓			B	25					LRB
1230		1+75	rocky, clayey		✓	NW						✓			B	15					LRB
1231		2+00	org		✓	NW						✓			B	35		✓			GB
1232		2+25	minor A		✓	NW						✓			B	40		✓			B
1233		2+50	clayey		✓	NW						✓			B	25					RB
1234		2+75	ash buff?		✓	NW						✓			B	20				✓	GB
1235		3+30	rocky ash buff?		✓	NW			✓						B	20				✓	GB
1236		3+50	rocky, gritty, silica?		✓	NW			✓						B	20				✓	GB
1237		3+75	rocky		✓	NW			✓						B	15				✓	GB
1238		4+10	swampy, poor! org		✓		✓		✓						A	35				✓	DB
1239		4+40	swampy, poor! org		✓		✓		✓						A	35				✓	DB
1240		4+65	rocky		✓	N			✓						B	30					GB
1241		4+95	clayey		✓	N						✓			B	45					RB
1242		5+35	rocky, clay		✓	N						✓			B	25					RB
1243	40m down slope		clay, rocky, below base B		✓	NE						✓			B	15					RB
1244	Lower	0+35	Base of B on hill		✓	NE						✓			B	2m					RB
1245		1+00	bed. rocky		✓	NE						✓			B	10				✓	GB
1246		1+20	clayey, rocky		✓	NE						✓			B	35					RB
1247	Culleet	0+06	pebbly		✓✓							✓			B	40					RB
1248		1+38	rocky		✓✓							✓			B	30					RB
1249		1+97	rocky		✓✓							✓			B	30					RB
1250		2+60	poor, gravely		✓✓							✓			A/B	10					RB
1251		3+02	Tree Root, transported?		✓✓							✓			B	25					RB
1252		3+66	clayey		✓✓							✓			B	30					RB
					✓✓							✓			B	20					RB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: LeMare #167 — Results Plotted By: _____

Area (Grid): Cullect Creek — Map: _____ N.T.S.: _____

Collectors: A.T + J.M — Date SEPT 2/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
LABELS-1253		4+75	clayey		✓	SW						✓			B	20					RG
1254		5+38	rocky		✓	↓						✓			↓	35					RG
1255		6+00	rocky		✓							✓				40					RG
1256		6+25	rocky		✓							✓				35				✓	G
1257		6+50	rocky		✓							✓				20				✓	RG
1258		7+07	pebbley		✓							✓				30					RS
1259		7+69	pebbley		✓							✓				40					RG
1260		5+30	pebbley clayey		✓							✓				25					RG
1261		9+00	" "		✓				✓							20					RG
1262		9+60	till clayey		✓				✓							35					RS
1263		10+00	till sandy		✓				✓							35					RG
1264		10+80	till loud/clayey		✓				✓							40					G
1265		11+20	residual		✓				✓							25				✓	RG
1266		11+70	residual, clay **		✓				✓							20				✓	LG
1267		12+45	till? clay		✓				✓							30					RG
1268		12+60	till clay		✓				✓							20					RG
1269		13+10	org till		✓				✓							25					RG
1270		13+65	till rocky clayey		✓				✓							30					RG
1271		14+05	" "		✓				✓							25					RG
1272		14+55	residual? rocky		✓				✓							50				✓	RG
1273		15+10	till rocky		✓				✓							30					RG
1274		15+80	clay rocky till		✓	↓			✓						V	30					RG
1275		16+50	till rocky		✓	SW			✓						B	40					RG
	END OF ROAD 16+70																				

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: LeNare

Area (Grid): Gullect Creek

Collectors: TRAVIS

Results Plotted By: _____

Map: _____ N.T.S.: _____

Date SEPT 7/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
	ROAD AREA = "MOSS ZONE"																				
[illegible]	[illegible]				✓	NE						✓			BK	30					RB
1274	1+3				✓	NE						✓			B	15					RB
1273	1+[illegible]				✓	NE						✓			B	25					RB
1272	[illegible]				✓	NE						✓			B	15				✓	RB
1271	[illegible]				✓	NE						✓			B	25					RB
1270	[illegible]				✓	NE						✓			B	40				✓	RB
1269	[illegible]				✓	NE						✓			B	40				✓	RB
1268	4+51				✓	NE						✓			B	40					RB
1267	[illegible]				✓		✓					✓			B	15				✓	RB
1266	[illegible]				✓		✓					✓			B	25				✓	RB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 167 — Results Plotted By: _____

Area (Grid): Terrace Bk - example TL soil lines — Map: _____ N.T.S.: _____

Collectors: EK / O M — Date 14/7/81

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
AT 167	S 128	0+92	clay over till		✓	Fill						✓			B	20	✓		✓		
	87	1+72			✓	Fill						✓			B	20	✓		✓		
	93	1+91	clay brown		✓	↓						↑			B	20	✓		✓		
	89	2+79	brown		✓										B	20	✓		✓		
	S 1230	3+60			✓										B	20	✓		✓		
	91	4+10			✓										B	20	✓			✓	
	92	4+32			✓										B	20	✓			✓	
	13	5+50	clay		✓										B	20	✓		✓		
	96	6+20			✓										B	20	✓		✓		
	S 1235	6+75	till clay		✓										B	20	✓		✓		
	36	7+83			✓										B	20	✓		✓		
	37	8+05	clay		✓										B	20	✓			✓	
	95	8+68			✓										B	20	✓		✓		
	94	9+00			✓										B	20	✓		✓		
	S 1300	9+30	grey brown		✓										B	20	✓		✓		
	01	10+35	silty		✓										B	40	✓		✓		
	02	11+20	till		✓										B	35	✓		✓		
	03	11+65			✓										B	20	✓		✓		
	04	12+30			✓										B	20	✓		✓		
	S 1305	12+70	weathered silt		✓										A	40	✓			✓	
	06	13+61			✓										B	30	✓		✓		
	07	14+45	till		✓										A	40	✓		✓		
	08	15+40	till		✓										B	40	✓		✓		
	09	0+52			✓										B	40	✓		✓		
	S 1310	1+10	grey		✓										B	30	✓		✓		
	11	1+45			✓										B	30	✓		✓		
	12	1+95	till		✓	↓						↓			B	40	✓		✓		
AT 168	S 1312	2+20				Fill						✓			B	20	✓		✓		
						Fill						✓			B	20	✓		✓		

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 167 — Results Plotted By: _____

Area (Grid): Terrace Bay resample T. rail line — Map: _____ N.T.S.: _____

Collectors: BK CM — Date _____

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
1		2+30	rocky till		✓							✓			B	30	✓		✓		
2		3+	sand		✓							✓				20	✓		✓		
3		4+20	andesitic qtz		✓							✓				20	✓			✓	
4		4+70	till		✓											40	✓			✓	
5		5+	Till		✓											30	✓			✓	
6		5+70	sandy		✓											20	✓			✓	
7	S1B 20	6+			✓											30	✓			✓	
8		7+	andesitic qtz		✓											40	✓			✓	
9		7+			✓											30	✓			✓	
10		7+70	clay		✓											60	✓			✓	
11		8+			✓											20	✓		✓		
12	S1B 25	10+	bedrock		✓											30	✓		✓		
13		10+80			✓											30	✓			✓	
14		11+70	till clay		✓											50	✓			✓	
15		12+30	Till		✓											40	✓			✓	
16		13+20	andesite		✓											20	✓			✓	
17	S1B 30	14+30	silty		✓											30	✓			✓	
18		14+70	Till clay		✓											40	✓			✓	
19		15+30	clay		✓											50	✓			✓	
20		16+40	silt		✓											25	✓			✓	
21		17+10	sandy till		✓											40	✓			✓	
22	S1B 35	18+25			✓											40	✓			✓	
23		19+	silt		✓											30	✓		✓		
24		19+70	sand		✓											20	✓		✓		
25		20+70			✓											30	✓		✓		
26		21+62			✓											30	✓		✓		
27		21+27	till clay		✓							✓				30	✓		✓		
28	AT 167 S1B41	22+07	sand,		✓							✓				40	✓		✓		

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: LEMOINE #167

Area (Grid): SGZ + Area West of Lemoine Lake

Collectors: JH + AT

Results Plotted By: _____

Map: _____ N.T.S.: _____

Date SEPT 1/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91SEP01-20	SGZ	600	CR 112 Jct / Bedrock Exps	✓	✓	E									B	45					
20		800	Sandy, Jct/Exp		✓	E										45					
20		1152	Clayey, rocky		✓	E										45					
20		1400	Till / Bld / clayey		✓	E										25					
20		1700	Till / Bld		✓	E										20					
20		1900	Clayey, rocky		✓	E										10					
20		2250	Silty, sandy, rocky		✓	E										20				✓	
20		4700	Clay, sandy		✓	E										30				✓	Kaolin
20		4965	" "		✓	E										80				✓	
20		5000	Alluvial		✓	E										40				✓	
20		5125	pebbly		✓	E										25				✓	
20		5700	pebbly, quartzite		✓	E										10				✓	
20		1950	" "		✓	NE										40				✓	
20		1943	till		✓	NE										30		✓			
20		2043	Lake Road 20, till		✓	NE										20					
20		0000	Open = Jct's, rocks, till		✓	NE										25					
20		0450	Above Jct 13/20		✓	NE									✓	50				✓	
20		1000	Wooded, bedrock		✓	NE										20				✓	
20		1450	Jct's rocky		✓	NE										120				✓	
20		2000	wooded, rocky		✓	NE									BK	10				✓	
20		2450	Jct's 40 = 20		✓	NE									B	10				✓	
20		3000	wooded? rocky		✓	NE										40				✓	
20		3450	clayey, rocky		✓	NE										10				✓	
20		4000	rocky		✓	NE										25				✓	
20		4452	till / bedrock		✓	N										20					Dk
20		5000	Sandy		✓	N										10				✓	
20		5500	rocky		✓	N						✓			✓	30				✓	

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: LeMare #167 — Results Plotted By: _____

Area (Grid): SGZ Area East of LeMare Lake — Map: _____ N.T.S.: _____

Collectors: JM + AT — Date: Sept 1/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
2041675-2047		6+00	rock		✓	N						✓			B	25				✓	RS
		6+66	hill/bedrock		✓	N									B	40			WW		RS
		2-50	Low Angles		✓	NE										25				✓	RS
	2030	6+95	" "		✓											15				✓	
	2031	1+00	" "		✓											15				✓	
	2032	1+45	" "		✓											25				✓	
	2033	1+55	" "		✓											3				✓	
	2034	3+00	hill		✓											45					
	2035	3+42	"		✓											26					
	2036	4+00	"		✓											30					
	2037	4+53	"		✓											30					W
	2038	5+40	Moraine vdc. Loc on bedrock		✓											45				✓	AS
	2039	6+00	" " "		✓											20				✓	Dk
	2040	6+70	Loc.		✓											30				✓	MG
	2041	7+20	Locky		✓											20					MG
	2042	7+70			✓											20					MG
	2043	8+19	" Slide?		✓											60					DG
	2044	8+29	Fairly Organic		✓											30					GS
	2045	9+00	" "		✓										✓	25				✓	G
	2046	10+75	Organic Locky		✓										Bx	10				✓	DG
	2047	11+95			✓										B	50				✓	MG
	2048	12+91	Organic Locky		✓											30				✓	MG
	2049	12+99	Org. Locky Pebbles		✓											20				✓	MG
	2050	13+60	Locky		✓											15					RG
	2051	14+02	Clayey Silt		✓											40					RG
	2052	14+43	" "		✓							✓			✓	30					GS
		14+93	KURT'S SAMPLE																		

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: #167 — Results Plotted By: JASON MILLER

Area (Grid): S. of Cullet Creek — Map: _____ N.T.S.: _____

Collectors: Jason Miller — Date SEPTEMBER, 1991

Sample Number 91JM1675-	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample (cm)	Soil Data: Horizon Development Good	Soil Data: Horizon Development Poor	Soil Data: Parent Material Drift	Soil Data: Parent Material Bedrock	Soil Data: Colour
2053		0+55	till on bedrk Clayey		✓	NE						✓			B	150	✓		✓		B/RB
2054		1+00	" /ros " Silty		✓	↓						↓			↓	45	↓		✓		RB
2055		1+42	" " " Clayey		✓											25			✓		G/RB
2056		2+43	Res? " " . Clayey, Rocky		✓											60				✓	RB
2057		2+96	Res " " . Silty		✓											50				✓	RB
2058		3+52	Residual. " , rocky		✓											35				✓	RB
2059		4+08	Res on bedrk. " " .		✓											35				✓	B/RB
2060		4+93	till " " . Clayey, rocky		✓											50			✓		RB
2061		5+47	" " " Sandy, silty		✓											25			✓		RB
2062		6+00	" " " " "		✓											25			✓		B/RB
2063		6+62	" " " " . Wet.		✓											400			✓		LB
2064		7+29	Till . Clayey		✓											20			✓		RB
2065		7+82	" . " , Rocky		✓											15			✓		RB
2066		8+30	till on bedrk. " , " .		✓											20			✓		RB
2067		8+80	" " " . " " .		✓											30			✓		RB/RG
2068		9+82	Res on bedrk. " , " .		✓											30				✓	RB
2069		10+50	" " " . Silty, rocky		✓											30				✓	RB/RG
2070		11+00	till " " . clayey, rocky		✓											30			✓		RB/RG
2071		11+53	Res? " " . high org.		✓											10				✓	RB/RG
2072		11+92	Res " " . clayey, rocky		✓	↓						↓			↓	20	↓			✓	RB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: LeMare

Area (Grid): Collett Creek Area

Collectors: AT + JM

Results Plotted By:

Map: N.T.S.:

Date SEPT 6/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
[illegible]	[illegible]		Rock [illegible]		✓	NW						✓			B	25					RR
[illegible]	1+00		[illegible]		✓										BK	40				✓	[illegible]
[illegible]	1+25		till		✓										B	40					RR
[illegible]	2+30		till/[illegible]		✓										B	35					RR
[illegible]	2+50		till		✓										B	20					RR
[illegible]	[illegible]		[illegible]		✓										B	50				✓	RR
[illegible]	3+00		[illegible] thin fines		✓										C	20				✓	RR
[illegible]	4+00		[illegible]		✓										B	60				✓	RR
[illegible]	4+25		" "		✓											40	✓			✓	DS
[illegible]	4+50		" "		✓											[illegible]				✓	MR
[illegible]	[illegible]		Sandy		✓											[illegible]					RR
[illegible]	[illegible]				✓							✓				25				✓	RR
[illegible]	[illegible]		till/[illegible]		✓							✓				20				✓	RR
[illegible]	[illegible]		clay		✓				✓							20				✓	RR
[illegible]	[illegible]		clay/silty		✓				✓							40				✓	RR
[illegible]	[illegible]		" "		✓				✓							45				✓	RR
[illegible]	[illegible]		[illegible]		✓				✓							25				✓	RR
[illegible]	[illegible]		" "		✓				✓							50				✓	RR
[illegible]	[illegible]		" "		✓				✓							25				✓	RR
[illegible]	[illegible]		silty [illegible]		✓				✓							20				✓	RR
[illegible]	[illegible]		[illegible]		✓				✓							25				✓	RR
[illegible]	[illegible]		transported boulders		✓				✓							10				✓	MR
[illegible]	[illegible]		till		✓	✓			✓							20					RR
[illegible]	[illegible]		12+42 LAY (BOG)		✓	NW			✓							25				✓	RR
[illegible]	[illegible]		till [illegible]		✓	NW						✓				30					RR
[illegible]	[illegible]		[illegible] 13+42 LAY (BOG)		✓	N						✓				25				✓	RR
[illegible]	[illegible]		[illegible]		✓	N						✓			✓	10				✓	RR
[illegible]	[illegible]		[illegible]		✓	S						✓			B	20				✓	RR

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: LeMoine

Area (Grid): Collett Creek Area

Collectors: TT JM

Results Plotted By:

Map: N.T.S.:

Date Sept 6/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
2101	15+25		hill		✓	N						✓			B	15					RG
2102	15+27		"		✓	—									B	20					
2103	15+29		"		✓	—									B	35					
2104	15+35		tr Cpy		✓	—									B	30					
2105	15+52		hill		✓	—									B	20					
2106	17+		tr Cpy, bol		✓										B	45				✓	
2107	17+10		Cpy, bol		✓										BR	25				✓	
2108	19+07		bol (rust)		✓										B	15					
2109	19+		"		✓										B	25					
2110	19+25		Shear in bol		✓										B	150				✓	
2111	20+34		Lighter "Melly Zone"		✓	↓									B	15				✓	
2112	20+42		rocky		✓	N									Bk					✓	
2113	21+42		bol, gossy bol		✓	NE									B	15					
2114	22+		hill		✓										B	20					V
2115	22+52				✓										B	25				✓	RG
2116	23+		hill		✓										B	15					RG/B
2117	23+55				✓										B	40				✓	RG
2118	24+				✓	↓						✓			B	10					RG
* 2119	24+78		transported?		✓	NE						✓			B	40					RG
2120	25+	Base (Grid)	Road (WESTERN)		✓	NE									B	20					RG
2121	25+35		clay		✓	NE									B	40				✓	RG
2122	25+65		"		✓	NE									B	45					RG
2123	26+96		"		✓	NE									B	15				✓	RG
2124	27+				✓	NE									B	40				✓	RG
2125	27+45	Collett Route			✓	S									B	20					RG
2126	27+	South Grid Road			✓	S									B	40					RG
2127	27+		clay rocky		✓	S						✓			B	R				✓	RG
2128	27+		rocky, sandy		✓	S						✓			C	40				✓	G

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: LeMare

Area (Grid): Collett Creek Area

Collectors: AT + JM

Results Plotted By:

Map: N.T.S.:

Date SEPT 6/81

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
[illegible] 2129	3+25	S	[illegible] transported		✓	S						✓			B	30					RS
2130	3+50		clay, rocky		✓	S										30				✓	BR
2131	4+63		rocky		✓	S										15				✓	GR
2132	4+27		hill		✓	S										Rock					BR
2133	4+66		rocky		✓	S										30				✓	MG
[illegible]	5+42	SL	[illegible]		✓	S										20				✓	GR
2135	1+00	SL	[illegible]		✓		✓									30					[illegible]
2136	0+75	"100'S"	WEST END OF P.F.		✓	E										45					RS
2137	0+45		EAST END OF P.F.		✓	E									✓	30				✓	GR
2138	0+50		hill		✓	E									B	15					BR
E 2139	0+25	"MOUSE ROAD"	very poor sheet?		✓	E									BK	25					RS
L 2140	0+52		transported from above		✓	SE									S	?				✓	RS/GR
2141	0+05		hill		✓	SE										20					BR
2142	1+15		[illegible]		✓	SE										45					BR
2143	1+45		hill		✓	SE										15					GR
2144	1+70				✓	SE										25				✓	BR
2145	2+05		hill/flat area		✓	SE										15					RS
2146	2+40		" " clay		✓	SE										1m					BR
2147	3+00				✓	SE										40				✓	BR
2148	3+40				✓	SE										40				✓	BR
2149	3+70				✓	SE										40				✓	RS
2150	4+10				✓	SE										20					BR
2151	4+47		clay		✓	SE										2m					MG
2152	5+10		hill, [illegible] rock		✓	SE										30					BR
2153	5+45		" "		✓	SE										30					BR
2154	5+90		" " clay		✓	SE										2m					BR
2155	6+29		" "		✓	SE						✓			✓	30					BR
2156	6+60		" "		✓	SE						✓			B	20					MG

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: LeMare

Area (Grid): Collect Creek Area

Collectors: A T + J.M

Results Plotted By: _____

Map: _____ N.T.S.: _____

Date SEPT 6/91

Sample Number	Sample Location		Notes / Rock Descriptions	Anomalous Results	Topography				Vegetation						Soil Data						
	Line	Station			Valley Bottom	Direction of slope	Hill Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swampy	Horizon Sampled	Depth to Horizon Sample	Horizon Development Good	Horizon Development Poor	Parent Material Drift	Parent Material Bedrock	Colour
[illegible]	7+00		Hill [illegible]		✓	S						✓			B	20					R/B
2156	7+65		"		✓	S						✓			B	20					R/B
2159	8+15		Sandy		✓	S						✓			B	22					R/B

APPENDIX VII

Sample Results

S = Soil Samples
M = Moss Mat Samples
L = Stream Sediment Samples
R = Rock Grab Samples
C = Rock Chip Samples

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: LEMARE 167 — Results Plotted By: _____

Area (Grid): _____ — Map: _____ N.T.S.: _____

Collectors: J.L. JAY LEONARD — Date July 1-5/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Grade of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91-JL-167	Line 2	S-3341			steep						✓			B	55cm		✓			B
		S-3342			"						✓			B	35cm		✓			OB
		S-3343			"			✓						B	25cm		✓			OB
		S-3344	N/S Deadfall																	
		S-3345			"			✓						B	40cm		✓			OB
		S-3346	N/S Talus																	
		S-3347			mod			✓						B	25cm	✓				OB
		S-3348			"			✓						B	55cm	✓				OB
		S-3349			"			✓						B	50cm	✓				B
		S-3350			"			✓						B	45cm	✓				OB
		S-3351			"			✓						B	50cm	✓				OB
		S-3352			"			✓						B	40cm	✓				OB
		S-3353			"			✓						B	50cm	✓				OB
		S-3354			"			✓						B	55cm	✓				OB
		S-3355			"			✓						B	50cm	✓				OB
		S-3356			"			✓						B	30cm	✓				OB
		S-3357	N/S Bedrock																	
		S-3358	N/S "																	
		S-3359	N/S "																	
		S-3360	N/S "																	
	Line 3 South	S-3368					✓				✓			B		40cm	✓			OB
		S-3369					✓				✓			B		30cm		✓		OB
		S-3370			mod						✓			D		50cm		✓		OB
		S-3371	N/S Bedrock																	
		S-3372					✓				✓			B		55cm	✓			OB
		S-3373					✓				✓			B		40cm	✓			OB
		S-3374					✓				✓			B		45cm	✓			LB
		S-3375	Sample 8m farther 25 m				✓				✓			B		25cm		✓		OB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: LEMARE 167 — Results Plotted By: _____

Area (Grid): SGZ (Lower Road) — Map: _____ N.T.S.: _____

Collectors: J.L. JAY LEONARD — Date July 4-5/91

Sample Number	Sample Location		Notes	Topography				Vegetation						Soil Data						
	Line	Station		Valley Bottom	% of slope	Hill Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swampy	Horizon Sampled	Depth to Horizon Sample	Horizon Development: Good	Horizon Development: Poor	Parent Material: Drift	Parent Material: Bedrock	Colour
91-JL-167		S-3376			MOD						✓			B	30cm		✓			OB
		S-3377			"						✓			B	50cm		✓			LOB
		S-3378			"						✓			B	55cm	✓				LOB
		S-3379			"						✓			B	20cm		✓			C.B
		S-3380			"						✓			B	20cm	✓				OB
		S-3381			"						✓			B	65cm	✓				OB
		S-3382			"						✓			B	15cm		✓			OB
		S-3383			"						✓			B	30cm	✓				OB
		S-3384			"						✓			B	25cm		✓			LOB
		S-3385			"						✓			B	20cm		✓			OB
		S-3386			"						✓			B	55cm	✓				OOB
		S-3387			"						✓			B	40cm	✓				OB
		S-3388			"						✓			B	45cm	✓				LOB
		S-3389	N/S Bedrock																	
		S-3390			MOD						✓			B	15cm		✓			OB
		S-3391			"						✓			B	40cm	✓				OB
		S-3392			"						✓			B	20cm		✓			LOB
		S-3393			"						✓			B	25cm		✓			OB
		S-3394			"						✓			B	35cm	✓				LOB
		S-3395			"						✓			B	50cm	✓				LOB
		S-3396			"						✓			B	45cm	✓				LOB
		S-3397	N/S Bedrock																	
		S-3398			"						✓			B	20cm		✓			OB
		S-3399			"						✓			B	15cm		✓			OB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: LEMARE LAKE

Area (Grid): SGE

Collectors: JAY LEONARD JILL

Results Plotted By: _____

Map: _____ N.T.S.: _____

Date: JULY 5/9

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Gentle/Moderate/Steep/Cliff of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development Good	Soil Data: Horizon Development Poor	Soil Data: Parent Material Drift	Soil Data: Parent Material Bedrock	Soil Data: Colour
SG-07		5350			mod									B	25cm	✓				OR
1			N/S Mixed colours		"									N/S	—	—				
2					mod									B	35	✓				OB
3					"									B	30	✓				OB
4					"									B	40	✓				OOB
5			N/S No Soil development		—									N/S	—	—				—
6					mod									B	30	✓				OB
7					"									B	30	✓				OOB
8					"									B	40	✓				OB
9					"									B	50		✓			LOB
10		5350			"									B	20	✓				OB
1			N/S Rock & Deadfall		—									N/S	—	—				—
2					mod									B	10		✓			OB
3					Flat									B	50	✓				OB
4					"									B	35	✓				OB
5			N/S (missing?)		"									B	10		✓			OB
V		5356			"									B	50	✓				B

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: LEMARE-167 Results Plotted By: _____

Area (Grid): _____ Map: _____ N.T.S.: _____

Collectors: JL JAY LEONARD Date 08/07/91

Sample Number	Sample Location		Notes	Topography				Vegetation						Soil Data						
	Line	Station	11-3517-3523	Valley Bottom	Grade of slope	Hill Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swampy	Horizon Sampled	Depth to Horizon Sample	Horizon Development Good	Horizon Development Poor	Parent Material Drift	Parent Material Bedrock	Colour
91-JL-167		S-3524			MOD						✓			B	50cm	✓				OB
		S-3525			"						✓			B	45cm	✓				OB
		S-3526			"						✓			B	30cm	✓				OB
		S-3527			"						✓			B	30cm	✓				OB
		S-3528			"						✓			B	20cm		✓			OB
		S-3529			"						✓			B	25cm	✓				OB
		S-3530			"						✓			B	15cm		✓			OB
		S-3531			"						✓			B	15cm		✓			OB
		S-3532			"						✓			B	30cm	✓				OOB
		S-3533			"						✓			B	40cm	✓				OB
		S-3534			"						✓			B	35cm	✓				OOB
		S-3535			"						✓			B	60cm	✓				OB
		S-3536			"						✓			B	15cm		✓			OB
		S-3537			"						✓			B	40cm	✓				OB
		S-3538					✓				✓			B	30cm	✓				OB
		S-3539					✓				✓			B	35cm	✓				OB
		S-3540			MOD						✓			B	15cm		✓			OB
		S-3541					✓				✓			B	20cm		✓			OB
		S-3542			MOD						✓			B	20cm		✓			OB
		S-3543			"						✓			B	15cm		✓			OB
		S-3544			"						✓			B	20cm		✓			OOB
		S-3545			"						✓			B	20cm		✓			OB
		S-3546			"						✓			B	40cm	✓				OB
		S-3547			"						✓			B	45cm	✓				OB
		S-3548			"						✓			B	10cm	✓				OB
		S-3549			"						✓			B	30cm		✓			OOB
		S-3550			"						✓			B	15cm		✓			OB
		S-3551			"						✓			B	40cm	✓				OB
		S-3552			"						✓			B	25cm		✓			OB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: LEMARE-167 Results Plotted By: _____

Area (Grid): _____ Map: _____ N.T.S.: _____

Collectors: JL JAYLEONARD Date 08/07/91

Sample Number	Sample Location		Notes	Topography				Vegetation						Soil Data						
	Line	Station		Valley Bottom	Direction of slope	Hill Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swampy	Horizon Sampled	Depth to Horizon Sample	Horizon Development: Good	Horizon Development: Poor	Parent Material: Drift	Parent Material: Bedrock	Colour
91-JL-167		S-3554			MON						✓			B	55cm	✓				OB
		S-3555			"						✓			B	20cm		✓			OB
↓		S-3556	↳		"						✓			B	40cm	✓				OB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: LEMARE 167 Results Plotted By: _____

Area (Grid): _____ Map: _____ N.T.S.: _____

Collectors: JL for IM Date 04/07/91

Sample Number	Sample Location		Notes	Topography				Vegetation						Soil Data						
	Line	Station		Valley Bottom	Grade of slope	Hill Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swampy	Horizon Sampled	Depth to Horizon Sample	Horizon Development Good	Horizon Development Poor	Parent Material Drift	Parent Material Bedrock	Colour
91-IM-167		S-3250			M00						✓			B	15cm		✓			OB
		S-3251			"						✓			B	30cm	✓				OB
		S-3252			"						✓			B	10cm		✓			OB
		S-3253			"						✓			B	10cm		✓			OB
		S-3254			"						✓			B	30cm	✓				B
		S-3255			"						✓			B	25cm		✓			OB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 167 — Results Plotted By: ____

Area (Grid): Lemare — Map: ____ N.T.S.: ____

Collectors: C.K — Date 24/7/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes: %	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: 2nd Growth Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Colour
91 CK 167	5001	0+00	30 clay		N			✓						B	30	✓		✓		RB
	002		10 clay 10 frags		N			✓						B	30	✓		✓		RB
Lower Road	003		nr till		N			✓						B	40	✓		✓		RB
SGZ	004							✓						B	30	✓		✓		RB
	005	2+00	20 frags					✓						B	30	✓		✓		RB
	006							✓						B	30	✓		✓		RB
	007		30 ang frags					✓						B	30		✓		✓	RB
	008							✓						B	30	✓		✓		RB
91 CK 167	5 009	4+00	nr till					✓						B	40		✓		✓	RB
	010							✓						B	40	✓		✓		RB
	011		40 clay / 20 ang frags					✓						B	40	✓		✓		DRB
	012		gold soils					✓						B	30	✓		✓		RB
	013	6+00						✓						B	30	✓		✓		RB
	014							✓						B	40	✓		✓		RB
	015							✓						B	40	✓		✓		RB
	016		60 silt					✓						B	30	✓		✓		RB
	017	8+00	20 ang frags					✓						B	30		✓		✓	RB
91 CK 167	5 018		nr till					✓						A	30	✓			✓	DB
	019							✓						B	40	✓		✓		RB
	020		30 clay					✓						B	30	✓		✓		RB
	021	10+00	20 clay					✓						B	40	✓		✓		RB
	027		30 clay					✓						B	20	✓		✓		RB
	023							✓						B	30	✓		✓		RB
	024		30 ang frags					✓						A	20	✓		✓		LB
	025	12+00						✓						A	30	✓		✓		RB
	026		nr till					✓						B	30	✓		✓		RB
	027							✓						B	40	✓		✓		RB
	028				N			✓						B	40	✓		✓		RB
91 CK 167	5029	14+00	20 ang frags		N			✓						B	30	✓		✓		RB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 167 Results Plotted By:

Area (Grid): Lemare Map: N.T.S.:

Collectors: C.K. Date 24/7/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes: %	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded (2ND GROWTH)	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development Good	Soil Data: Horizon Development Poor	Soil Data: Parent Material Drift	Soil Data: Parent Material Bedrock	Soil Data: Colour
91CK167	5031				N			✓			✓			B	30	✓		✓		RB
	032		5 organics		N			✓			✓			B	30	✓		✓		RB
	033	16+00			N			✓			✓			A	30	✓		✓		RB
	034		30 org frags		N			✓			✓			A	20	✓		✓		LB
	035							✓			✓			B	30		✓		✓	RB
	036							✓			✓			B	30	✓		✓		RB
	037	18+00	20 frags nr till					✓			✓			B	30	✓		✓		RB
	038							✓			✓			B	30	✓		✓		RB
	039		20 clay					✓			✓			A	30	✓		✓		RB
	040							✓			✓			B	30	✓		✓		RB
	041	20+00	40 org frags					✓			✓			A	20		✓		✓	LB
	042							✓			✓			B	30	✓		✓		RB
	043							✓			✓			A	30		✓		✓	DB
	044		20 frags		↓			✓			✓			B	30		✓		✓	LB
	045	22+00			N			✓			✓			A	40	✓			✓	DB
	046		30 clay		N			✓			✓			B	30	✓		✓		RB
	047	23+00			N			✓			✓			B	30	✓		✓		RB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 167 — Results Plotted By: _____

Area (Grid): LEMARE — Map: _____ N.T.S.: _____

Collectors: C.K — Date 25/7/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes (%)	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development Good	Soil Data: Horizon Development Poor	Soil Data: Parent Material Drift	Soil Data: Parent Material Bedrock	Soil Data: Colour
90CK167S	048	0+00			NE						✓			40	B	✓		✓		RB
	049		40 clay		NE						✓			30	B	✓		✓		RB
ROAD N-S	050	1+00									✓			30	B	✓		✓		RB
EE	051		30 ang frags								✓			40	B	✓		✓		RB
SKI Creek	052	2+00									✓			40	B	✓		✓		RB
	053										✓			30	B	✓		✓		RB
	054		40 frags								✓			B	20	✓		✓		RB
90CK167S	055										✓			A	20		✓		✓	LB
	056	4+00	20 ang								✓			B	30	✓		✓		RB
	057										✓			B	30	✓		✓		RB
	058										✓			B	30	✓		✓		RB
	059		mr till								✓			B	30	✓		✓		RB
90CK167S	060	6+00									✓			B	40	✓		✓		RB
	061		bedrock								✓			A	30		✓		✓	LB
	062										✓			B	30	✓		✓		RB
	063		10 ang 40 frags								✓			A	20		✓		✓	LB
	064	8+00									✓			B	30	✓		✓		RB
	065										✓			B	30	✓		✓		RB
	066	9+00									✓			B	40	✓		✓		RB
90CK197S	067	0+00			NE						✓			A	40	✓		✓		LB
	068		40 frags								✓			A	30		✓		✓	LB
[illegible]	069										✓			B	30	✓		✓		RB
12	070										✓			B	30	✓		✓		RB
	071	2+00	30 frags angulars								✓			A	40	✓		✓		RB
	072										✓			B	30	✓		✓		RB
	073										✓			B	40		✓		✓	RB
	074	3+50	20 clay ✓								✓			B	30	✓		✓		RB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 167 — Results Plotted By: _____

Area (Grid): LEMARE — Map: _____ N.T.S.: _____

Collectors: C.K — Date 25/7/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
90 CK 167	S 075	4+00		✓	NE						✓			B	30		✓		✓	RB
	076			✓	NE						✓			B	40	✓		✓		RB
	077			✓	NE						✓			B	30	✓		✓		RB
	078		mn. bedrock	✓							✓			A	30	✓		✓		RB
	079	6+00	30 frags	✓							✓			B	40		✓		✓	RB
	080			✓							✓			B	30	✓		✓		RB
90 CK 167	S 081	7+00		✓							✓			B	30	✓		✓		DB
											✓									
90 CK 167	S 082	1+00N	20 clay mn. till	✓							✓			B	40	✓		✓		DRB
	083			✓							✓			B	30	✓		✓		RB
LEMARE	084			✓							✓			A	40		✓		✓	LB
GRID	085	2+00N		✓							✓			B	40	✓		✓		RB
	086		(N/S	*							✓									
	087		N/S								✓									
	088	2+50N	40 frags	✓							✓			A	20		✓		✓	LB
90 CK 167	S 089			✓							✓			A	20	✓		✓		LB
	090		30 organic 30 org frags	✓							✓			A	40		✓		✓	DB
	091	4+00N		✓							✓			B	30	✓		✓		RB
	092			✓							✓			B	40	✓		✓		RB
	093		20 organics	✓							✓			A	30	✓		✓		RB
	094			✓							✓			A	30	✓		✓		LB
	095	6+00N	bedrock below		NE	NE					✓			B	30	✓		✓		RB
	096				NE	NE					✓			B	30	✓		✓		RB
90 CK 167	S 097	7+00N	30 clay mn. till	✓	NE	NE					✓			B	40	✓		✓		RB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 167 — Results Plotted By: _____

Area (Grid): LEMARE LK — Map: _____ N.T.S.: _____

Collectors: C.K — Date 26/7/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development Good	Soil Data: Horizon Development Poor	Soil Data: Parent Material Drift	Soil Data: Parent Material Bedrock	Soil Data: Colour
91 CK 167	S 098	0+00	~ afc voc			E						✓			B	40	✓		✓		OB
	099					E						✓			B	40	✓		✓		BR
	100		no till			E						✓			B	30	✓		✓		RR
Airport	101					E						✓			B	30	✓		✓		RR
SCZ	102	2+00				E						✓			B	30	✓		✓		RR
	103		20 frags			E						✓			B	40	✓		✓		RR
	104		no till			E						✓			B	40	✓		✓		RR
	105		mafic volc			E						✓			B	30	✓		✓		RR
91 CK 167 S	106	4+00	felsic volc			E						✓			B	30	✓		✓		RR
	107		20 frag			E						✓			B	30	✓		✓		RR
	108					E						✓			B	30	✓		✓		RR
	109					E						✓			B	30	✓		✓		RR
	110	6+00	felsic volc			E						✓			A	40	✓		✓		DB
	111					E						✓			B	30	✓		✓		RR
91 CK 167 S	112	7+00	felsic volc			E						✓			B	30	✓		✓		RR
91 CK 167 S	113	0+00	~ afc volc			NE						✓			B	30	✓		✓		RR
	114					NE						✓			Till	40		✓		✓	DG
	115					NE						✓			B	30	✓		✓		RR
Second	116		30 clay			NE						✓			A	40	✓		✓		DB
Trail Creek	117	2+00				NE						✓			B	30	✓		✓		RR
	118		30 frags			NE						✓			B	30	✓		✓		RR
	119	3+00				NE						✓			A	30	✓		✓		RR

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 167 — Results Plotted By: _____

Area (Grid): Lemare Lk — Map: _____ N.T.S.: _____

Collectors: BK — Date 14/8/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91 CK 167	S120	0+50	30 fragp			N						✓			B	20	✓		✓		RB
	121		20 fragp			N						✓			B	20	✓		✓		RB
N. of	122		20 org. / volc			N						✓			A	30		✓		✓	BI
Creek	123		20 olg			N						✓			B	30		✓			Br
	124		30 org			N						✓			A	30		✓		✓	DB
	S125	3+00	20 org / felsic			N						✓			B	20	✓		✓		RB
	126		20 org												A	30	✓		✓		DB
	127		20 fragp												A	20		✓			DB
	128														A	20		✓			DB
	129	5+00	30 fragp / volc												B	30	✓		✓		RB
	S130		" "												B	30	✓		✓		RB
	131		" "												B	30	✓		✓		RB
	132		10 org / volc												B	30	✓		✓		RB
	133	7+00	20 olg												B	20	✓		✓		RB
	134		10 fragp												B	30	✓		✓		RB
91 CK 167	S135		20 org fragp												B	20	✓		✓		RB
	136		" "												B	20	✓		✓		RB
	137	9+00													B	30	✓		✓		RB
	138		10 org / 10 fragp												B	30	✓		✓		RB
	139		10 fragp												B	20	✓		✓		RB
	S140	10+50													B	30	✓		✓		RB
	141	0+00	20 fragp												B	40	✓		✓		RB
	142		10 fragp 40 clay												B	30	✓		✓		RB
	143		20 clay												B	30	✓		✓		DB
	144		volc.												B	30	✓		✓		RB
91 CK 167	S145	2+00	10 clay			N						✓			B	40	✓		✓		DB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 167 — Results Plotted By: _____

Area (Grid): Lemare Lake — Map: _____ N.T.S.: _____

Collectors: EK — Date 14/15/8/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions %	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91 CK 167 S	146	2+50	20 frags			S						✓			B	30	✓		✓		DB
	147		30 frags			S						✓			B	30	✓		✓		DB
	148		nr b/c			S						✓			A	40	✓		✓		BI
	149	4+00	20 frags			S						✓			B	30	✓		✓		RB
	150		20 clay			S						✓			B	20	✓		✓		DB
	151		40 frags / bolus			S						✓			B	40	✓		✓		RB
	152	5+50	20 frags			S						✓			B	30	✓		✓		RB
NEW LINE	153	0+50	10 org 10 frag		✓				✓						A	30	✓		✓		DB
	154		10 cldy		✓				✓						B	30	✓				RB
91 CK 167 S	155		10 org 10 clay		↑				✓						B	30		✓	✓		DB
	156	2+00	10 org 10 frags						✓						B	30	✓		✓		DB
Bush	157		20 clay						✓						A	40		✓		✓	DB
SW	158		20 org						✓						A	40	✓		✓		DB
Lemare Lk	159		10 org						✓						B	40	✓		✓		RB
	160	4+00	10 org 10 frags						✓						A	40	✓		✓		DB
	161		10 org 10 frags												A	30	✓		✓		DB
	162		10 frags												B	40	✓		✓		DB
	163		10 clay												B	30	✓		✓		RB
	164	6+00	20 frags												A	30	✓		✓		RB
	165		20 frags												A	30	✓		✓		DB
	166		10 frags												A	30	✓		✓		DB
	167		10 clay												A	30	✓		✓		DB
	168	8+00	10 clay												B	40	✓		✓		RB
	169		20 org frags												B	30	✓		✓		RB
	170		10 clay												B	30	✓		✓		RB
	171		10 clay 10 org												B	30	✓		✓		RB
	172	10+00	10 frags 10 org		↓				↓						B	40	✓		✓		RB
91 CK 167 S	173		20 org		✓				✓						B	30	✓		✓		RB
					✓				✓						B	30	✓		✓		RB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 167 — Results Plotted By: _____

Area (Grid): Lemare Lk — Map: _____ N.T.S.: _____

Collectors: EK — Date 15/8/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91CK167 S174		11+00	andesite o/c		✓				✓						A	30	✓		✓		BL
175			30 frags 10 org		✓				✓						B	30	✓		✓		RB
176			10 org		✓				✓						B	30	✓		✓		LB
177			10 frags		✓				✓						B	20	✓		✓		RB
178		13+00	20 org		✓				✓						B	30	✓		✓		LB
179			5 frags		✓				✓						B	20	✓		✓		RB
180		16+41	soil/5 frags/clay			SE						✓			A	30	✓		✓		RB
181			20 clay			SE						✓			B	30		✓		✓	DB
182			40 clay/10 frags			SE						✓			B	30	✓		✓		RB
183			10 org/5 frags			SE						✓			B	30	✓		✓		RB
184			20 clay			SE						✓			B	30	✓		✓		RB
91 CK 167 S	185	0+70	angular frags		SE							✓			B	50			✓		DRB
	186	1+80	clay													40			✓		RB
TOP ROAD	187	2+31	clay, frags													40			✓		RB
SGZ	188	2+70	clay													30			✓		RB
	189	3+35	sh'd, carb veined and.													30	✓			✓	RB
	190	3+95	on bed.													10				✓	RB
	191	4+45	30 cm till on bed.												↓	25					RB
	192	5+15	10% org.												A	10				✓	RB
	193	5+90	on bed												B	20	✓			✓	RB
	194	6+65	clay, minor frags													25			✓		RB
	195	7+00	clay, frags													30			✓		RB
	196	7+60	clay													30			✓		RB
	197	8+00	frags													40			✓		RB
	198	8+55	frags													40			✓		RB
	199	9+10	frags, clay		↓							↓			↓	40			✓		OB
91 CK 167 S	200	9+80	On Spur road		SE							✓			B	30				✓	RB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 167 — Results Plotted By: _____

Area (Grid): Lemare Lk — Map: _____ N.T.S.: _____

Collectors: B.K / AS — Date 15/8/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions %	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91 CK 167	S201	0+50	till			SE						✓			A	30	✓		✓		DB
	202	1+00	till			SE						✓			B	40	✓		✓		RB
	203	1+50	20 clay / frags			↑						↑			B	40	✓		✓		RB
	204	2+30	vold 10 clay												B	30	✓		✓		RB
	205	2+50	m volc.												B	40	✓		✓		RB
	206	3+00	20 clay												B	40	✓		✓		RB
	207	3+55	20 clay / till												B	30	✓		✓		RB
	208	3+70	20 clay 10 frags												B	40	✓		✓		RB
	209	4+15	volcanics												B	40	✓		✓		RB
	210	4+90	organics												B	40	✓		✓		DB
	211	5+50	clay / till												B	30	✓				RB
	212	6+00	20 clay												B	30		✓	✓		RB
	213	6+50	10 org / felsic												B	30	✓		✓		RB
	214	7+00	rd frags									↓			A	40	✓		✓		OB
91 CK 167	S215	7+50	10 frags			↓						✓			B	40	✓		✓		RB
	216	8+00	20 clay			SE						✓			B	40	✓		✓		RB
	217	0+50	10 org / till			↑						↑			B	40	✓		✓		RB
	218	1+00	10 org frags												B	40	✓		✓		RB
	219	1+62	till												B	40	✓		✓		RB
	220	2+00	volc / clay												B	30	✓		✓		RB
	221	2+50	10 clay												B	30	✓		✓		RB
	222	3+00	10 clay												B	40	✓		✓		DB
	223	3+50	5 clay / 5 org												B	30	✓		✓		RB
	224	4+00	10 clay									↓			B	40	✓		✓		RB
	225	4+70	10 org									✓			B	30	✓		✓		RB
	226	5+30	10 frags / till			SE									B	40	✓		✓		RB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: CK

Area (Grid): 167

Collectors: BK / AJ

Results Plotted By:

Map: N.T.S.:

Date 16/8/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91 CK 167S	227	0+00	till			SE						✓			B	30	✓		✓		OB
	228	0+50	till			↑						↑			B	30	✓		✓		OB
	229	1+00	volc / till			↑						↑			B	25	✓		✓		DB
	230	1+50	till			↑						↑			B	30	✓		✓		RB
	231	2+00	till / volc			↑						↑			B	40	✓		✓		MB
	232	2+52	till			↓						↓			B	40	✓		✓		MB
	233	3+00	till			SE						✓			B	40	✓		✓		DB
	234		NO SAMPLE 91 CK 167S 224																		
ABOVE GULLEY	235	0+00	talus volc			NE						✓			B	30	✓			✓	RB
	236	0+54	volcanics			↑						✓			C	20		✓	✓		GRY
	237	1+10 ✓	till			↑						↑			C	30		✓	✓		GRY
	238	1+53 ✓	amyg volc			↑						↑			B	30	✓			✓	LB
	239	2+15 ✓	sltstone			↑						↑			B	40	✓			✓	RB
91 CK 167S	240	2+83 ✓	sltstone			↑						↑			B	30	✓			✓	RB
	241	3+20 ✓	clay			↑						↑			B	15	✓			✓	RB
	242	4+35 ✓	org / sltstone			↑						↑			B	20	✓			✓	DB
	243	5+05 ✓	org / sltstone			↑						↑			B	30	✓			✓	OB
	244	5+50 ✓	org / sltstone			↑						↑			B	30	✓			✓	RB
	245	6+37 ✓	sltstone			↑						↑			A	40	✓			✓	RB
	246	7+30 ✓	till			↑						↑			B	30	✓			✓	RB
	247	7+84 ✓	till			↑						↑			B	30	✓			✓	RB
	248	8+54 ✓	clay/sltstone			↑						↑			B	40	✓			✓	RB
	249	9+24 ✓	till			↑						↑			B	30	✓		✓		RB
	250	9+50 ✓	clay			↑						↓			B	30	✓		✓		RB
	251	10+50 ✓	clay			↓						✓			B	30	✓		✓		RB
91 CK 167S	252	11+15 ✓	till			NE						✓			B	30	✓		✓		RB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 91

Area (Grid): LEMARE LK

Collectors: CK / AT

Results Plotted By:

Map: N.T.S.:

Date

Sample Number	Sample Location		Notes / Rock Descriptions	Anomalous Results	Topography				Vegetation						Soil Data						
	Line.	Station			Valley Bottom	Direction of slope	Hill Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swampy	Horizon Sampled	Depth to Horizon Sample	Horizon Development Good	Horizon Development Poor	Parent Material Drift	Parent Material Bedrock	Colour
91CK 1675 253		12+15	frag / clay			NE						✓			B	30	✓		✓		RB
254		13+07	clay org									✓			B	40	✓		✓		OB
255		14+05	clay												B	30	✓		✓		RB
256		14+56	volcanics												B	30	✓		✓		RB
257		15+00	till												B	40	✓		✓		RB
258		15+85	till									✓			A	30	✓		✓		DB
259		16+58				NE						✓			B	30	✓		✓		RB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: LEMARE

Area (Grid): North of [illegible], Upper Road

Collectors: TRAVIS

Results Plotted By:

Map: N.T.S.:

Date: Aug 14/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample m	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91APL63[illegible]	1001	2+20	[illegible]		✓	SE						✓			[illegible]	[illegible]		✓	✓		RF
"	1002	[illegible]			✓	SE						✓			C	2.0				✓	MF
"	1003	[illegible]	[illegible]		✓	SE						✓			[illegible]	[illegible]					MF
"	1004	1+50	[illegible]		✓	SE						✓			G/R	1.5				✓	RF
"	1005	[illegible]	[illegible]		✓	SE						✓			C	[illegible]		✓		✓	RF
"	1006	2+60	[illegible]		✓	SE						✓			B	2.[illegible]		✓		✓	ME
"	1007	3+10	[illegible]		✓	SE						✓			C	[illegible]		✓	✓		MC
"	1008	[illegible]	[illegible]		✓	SE						✓			C	3.0		✓	✓		[illegible]
"	[illegible]	[illegible]			✓	SE						✓			C	2.[illegible]		✓	✓		[illegible]
"	1010	[illegible]	Junction @ [illegible]		✓	SE						✓			[illegible]	[illegible]				✓	[illegible]
"	[illegible]	2+50	[illegible]		✓	NE						✓			B	0.7		✓	✓		RF
"	[illegible]	[illegible]	Till		✓	NE						✓			B	0.4		✓		✓	SB
"	[illegible]3	[illegible]	And.		✓	NE									B	0.5		✓		✓	RB
"	[illegible]4	2+50	And		✓	NE						✓			B	0.15		✓	✓		RB
"	[illegible]5	[illegible]	[illegible]		✓	NE						✓			B	0.5		✓		✓	MF
"	[illegible]6	[illegible]	[illegible]		✓	NE						✓			B	2.0		✓	✓		[illegible]
"	[illegible]	[illegible]	Rocky		✓	NE						✓			B	0.[illegible]		✓	✓		RF
"	[illegible]	[illegible]	[illegible]		✓	NE						✓			B	0.2		✓	✓		[illegible]
"	[illegible]	[illegible]+[illegible]5	[illegible]		✓	NE						✓			C	0.2		✓	✓		[illegible]
"	[illegible]	5+35			✓	NE						✓			C	0.2		✓	✓		[illegible]
"	[illegible]	[illegible]	Stumps [illegible]		✓	NE						✓			C	[illegible]		✓	✓		[illegible]
"	[illegible]	[illegible]	[illegible] Scree		✓	NE						✓			C	0.5		✓	✓		[illegible]
"	[illegible]	[illegible]	Rocky		✓	NE						✓			C	1.0		✓	✓		[illegible]
"	1024	[illegible]	Rocky		✓	NE						✓			C	0.75		✓	✓		[illegible]
"	1025	[illegible]	[illegible] (1001–1010)		✓	NE						✓			C	0.75		✓	✓		[illegible]
"	[illegible]	[illegible]	[illegible]		✓	NE						✓			C	1.0		✓	✓		[illegible]

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: LeNare

Area (Grid): South East of [illegible] Lake

Collectors: TRAVIS

Results Plotted By: _____

Map: _____ N.T.S.: _____

Date Aug 15/91

Sample Number	Sample Location: Line	Sample Location: Dist. Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
[illegible]	[illegible]	[illegible]	[illegible]																		
[illegible]	1027	0+00	[illegible]		✓	W						✓			B	0.25			✓		RR
S-1028			[illegible]		✓	W						✓			B	[illegible]			✓		RR
S-1029					✓	W						✓			B	2.6			✓		RR
S-1030			[illegible]		✓	W						✓			B	[illegible]			✓		RR
S-1031			[illegible]		✓	W						✓			B	[illegible]			✓		RR
S-1032			[illegible]		✓	W						✓			B	[illegible]			✓		RR
S-1033			[illegible]		✓	W						✓			B	[illegible]			✓		RR
S-1034			Dr [illegible]		✓	W						✓			B	0.4				✓	RR
S-1035			[illegible]		✓	W						✓			B	[illegible]				✓	RR
S-1036					✓	W						✓			B	[illegible]			✓		RR
S-1037					✓	W						✓			B	[illegible]			✓		RR
S-1038			Road [illegible]		✓	W						✓			B	[illegible]			✓		RR
S-1039			Bas-Hand side [illegible]		✓	W						✓			B	[illegible]				✓	RR
S-1040			Shear @ [illegible]		✓	W						✓			B	[illegible]			✓		RR-DS
S-1041			[illegible] HIT BRIDGE		✓	W						✓			B	0.3			✓		RR
S-1042			[illegible]		✓	W			✓						B	0.5				✓	RR
S-1043			Shear [illegible]		✓	W			✓						C	1.0				✓	RR
S-1044			[illegible]		✓	W			✓						B	0.3			✓		RR
S-1045			[illegible]		✓	W			✓						C	[illegible]			✓		RR
S-1046			[illegible]		✓	W			✓						B	[illegible]			✓		RR
S-1047			[illegible]		✓	W			✓						B	0.3			✓		RR
S-1048			[illegible]		✓	W			✓						C	5.0				✓	RR
S-1049		10+50	[illegible]		✓	W			✓						B	[illegible]			✓		RR
S-1050		[illegible]	Shear [illegible]		✓	W			✓						C	6.0				✓	RR
S-1051		[illegible]	[illegible]		✓	W			✓						B	0.4			✓		RR

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 167 Results Plotted By:

Area (Grid): Lemare Lk North of [illegible] Creek – South Lake Zone Map: N.T.S.:

Collectors: BK / AJ Date

Sample Number	Sample Location: Line	Sample Location: Station	Notes / Rock Descriptions	Anomalous Results	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample cm	Soil Data: Horizon Development Good	Soil Data: Horizon Development Poor	Soil Data: Parent Material Drift	Soil Data: Parent Material Bedrock	Soil Data: Colour
91 AT 167 S	1062	0+00	rhy dac			SW						✓			B	35	✓		✓		RB
	1063					↓						✓			B	40	✓		✓		RB
	1064	1+00	sill lrrx									✓			B	40	✓		✓		RB
	1065	1+55	bedded volc									✓			B	25	✓		✓		RB
	1066	2+00	volc									✓			B	25	✓		✓		RB
	1067	2+50	volc												B	35	✓		✓		GB/RB
	1068	3+00	till												B	25	✓		✓		RB
	1069	3+65	till												B	15	✓		✓		RB
91 AT 167 S	1070	4+15	till												B	20	✓		✓		RB
	1071	4+50	till												B	15	✓		✓		RB
	1072	4+97	clay												B	40	✓		✓		RB
	1073	5+50	till												A	20	✓		✓		RB
	1074	6+00	till / clay												B	20	✓		✓		RB
	1075	6+52	volc rock												B	20	✓		✓		RB
	1076	7+00	till / frags												B	20	✓		✓		RB
	1077	7+50	clay												A	20	✓		✓		GB
	1078	7+90	ang frags												A	20	✓		✓		RB
	1079	8+69	ang frags												A	35	✓		✓		RB
91 AT 167 S	1080	9+00	volc brx												B	20	✓		✓		RB
	1081	9+68	" "												B	20	✓		✓		RB
	1082	10+07	" "												B	30	✓		✓		RB
	1083	10+50	5% frags												B	30	✓		✓		RB
	1084	11+00													B	20	✓		✓		RB
	1085	11+50													B	30	✓		✓		OB
	1086	12+00	till												B	40	✓		✓		RB
	1087	12+58	till												B	30	✓		✓		RB
	1088	13+07	volc bedding			↓						↓			A	30	✓		✓		DB

LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
ALL SOIL SAMPLES

SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 CK 167 S 1	B	-5	-0.2	128	7	98	5	-5	5
91 CK 167 S 2	B	8	-0.2	21	6	55	-5	-5	1
91 CK 167 S 3	B	7	-0.2	97	7	52	-5	-5	2
91 CK 167 S 4	B	-5	-0.2	43	4	34	-5	-5	4
91 CK 167 S 5	B	-5	-0.2	67	3	43	-5	-5	-1
91 CK 167 S 6	B	10	-0.2	120	8	42	-5	-5	6
91 CK 167 S 7	B	12	-0.2	152	7	34	-5	-5	-1
91 CK 167 S 8	B	-5	-0.2	186	7	61	-5	-5	2
91 CK 167 S 9	B	75	-0.2	10	19	75	-5	-5	-1
91 CK 167 S 10	B	6	-0.2	29	6	44	-5	-5	3
91 CK 167 S 11	B	-5	-0.2	29	5	44	-5	-5	5
91 CK 167 S 12	B	-5	-0.2	38	5	22	-5	-5	3
91 CK 167 S 13	B	-5	-0.2	64	6	51	-5	-5	5
91 CK 167 S 14	B	6	-0.2	60	7	50	-5	-5	1
91 CK 167 S 15	B	-5	-0.2	45	5	56	12	-5	-1
91 CK 167 S 16	B	-5	-0.2	31	4	64	8	-5	-1
91 CK 167 S 17	B	-5	-0.2	30	6	43	15	-5	-1
91 CK 167 S 18	B	-5	-0.2	159	5	85	19	-5	-1
91 CK 167 S 19	B	6	-0.2	9	7	40	-5	-5	3
91 CK 167 S 20	B	-5	-0.2	28	5	55	-5	-5	1
91 CK 167 S 21	B	5	-0.2	36	6	46	-5	-5	2
91 CK 167 S 22	B	-5	-0.2	27	6	64	14	-5	-1
91 CK 167 S 23	B	-5	-0.2	25	6	57	8	-5	2
91 CK 167 S 24	B	22	-0.2	255	8	100	12	39	2
91 CK 167 S 25	B	26	-0.2	92	10	163	-5	-5	1
91 CK 167 S 26	B	119	-0.2	81	8	98	38	-5	2
91 CK 167 S 27	B	8	-0.2	27	5	73	-5	-5	-1
91 CK 167 S 28	B	-5	-0.2	34	7	59	-5	-5	1
91 CK 167 S 29	B	21	-0.2	97	9	213	50	-5	1
91 CK 167 S 30	B	23	-0.2	68	8	138	50	-5	-1
91 CK 167 S 31	B	10	-0.2	48	13	201	-5	-5	-1
91 CK 167 S 32	B	10	-0.2	65	12	164	14	-5	1
91 CK 167 S 33	B	-5	-0.2	15	9	164	-5	-5	3
91 CK 167 S 34	B	-5	-0.2	35	14	1041	6	-5	2
91 CK 167 S 35	B	-5	-0.2	38	17	150	-5	-5	1
91 CK 167 S 36	B	-5	-0.2	37	37	199	10	-5	-1
91 CK 167 S 37	B	-5	-0.2	25	16	99	-5	-5	-1
91 CK 167 S 38	B	-5	-0.2	36	68	205	-5	-5	1
91 CK 167 S 39	B	-5	-0.2	38	24	143	-5	-5	1
91 CK 167 S 40	B	-5	-0.2	98	6	90	-5	-5	2
91 CK 167 S 41	B	-5	-0.2	66	7	109	13	-5	-1
91 CK 167 S 42	B	-5	-0.2	60	5	82	-5	-5	-1
91 CK 167 S 43	B	-5	-0.2	54	17	424	-5	-5	-1
91 CK 167 S 44	B	7	-0.2	48	10	384	-5	-5	-1
91 CK 167 S 45	B	-5	-0.2	53	5	81	-5	-5	-1
91 CK 167 S 46	B	-5	-0.2	18	10	56	-5	-5	4
91 CK 167 S 47	B	-5	-0.2	21	6	35	-5	-5	2
91 CK 167 S 48	B	-5	-0.2	143	4	36	-5	-5	2
91 CK 167 S 49	B	-5	-0.2	131	5	42	-5	-5	1
91 CK 167 S 50	B	-5	-0.2	118	-2	24	-5	-5	2
91 CK 167 S 51	B	6	-0.2	115	4	57	28	-5	1
91 CK 167 S 52	B	-5	-0.2	22	7	28	-5	-5	1

LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
ALL SOIL SAMPLES

SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 CK 167 S 53	B	7	-0.2	36	10	22	-5	-5	3
91 CK 167 S 54	B	1417	-0.2	19	10	19	43	-5	18
91 CK 167 S 55	B	9	-0.2	167	8	46	-5	-5	4
91 CK 167 S 56	B	8	-0.2	66	10	24	-5	-5	7
91 CK 167 S 57	B	16	-0.2	21	7	25	7	-5	7
91 CK 167 S 58	B	-5	-0.2	150	12	78	8	-5	4
91 CK 167 S 59	B	6	-0.2	128	20	102	17	-5	5
91 CK 167 S 60	B	-5	-0.2	38	6	38	-5	-5	4
91 CK 167 S 61	B	-5	-0.2	37	7	38	-5	-5	4
91 CK 167 S 62	B	-5	-0.2	17	10	24	12	-5	6
91 CK 167 S 63	B	-5	-0.2	73	8	135	10	-5	3
91 CK 167 S 64	B	-5	-0.2	3	25	18	19	-5	4
91 CK 167 S 65	B	-5	-0.2	51	6	104	6	-5	3
91 CK 167 S 66	B	-5	-0.2	33	7	83	-5	-5	7
91 CK 167 S 67	B	-5	-0.2	405	6	125	-5	-5	2
91 CK 167 S 68	B	-5	-0.2	86	5	53	-5	-5	2
91 CK 167 S 69	B	-5	-0.2	89	4	57	-5	-5	1
91 CK 167 S 70	B	-5	-0.2	96	4	107	6	-5	1
91 CK 167 S 71	B	-5	-0.2	73	6	47	-5	-5	2
91 CK 167 S 72	B	-5	-0.2	132	6	58	16	-5	2
91 CK 167 S 73	B	-5	-0.2	65	5	45	7	-5	-1
91 CK 167 S 74	B	-5	-0.2	65	5	70	-5	-5	1
91 CK 167 S 75	B	7	-0.2	58	5	63	-5	-5	-1
91 CK 167 S 76	B	-5	-0.2	35	4	44	-5	-5	1
91 CK 167 S 77	B	-5	-0.2	39	5	42	-5	-5	1
91 CK 167 S 78	B	-5	-0.2	80	6	51	-5	-5	2
91 CK 167 S 79	B	-5	-0.2	49	5	46	-5	-5	1
91 CK 167 S 80	B	-5	-0.2	45	4	66	-5	-5	-1
91 CK 167 S 81	B	-5	-0.2	91	7	56	-5	-5	2
91 CK 167 S 82	B	5	-0.2	61	6	55	-5	-5	1
91 CK 167 S 83	B	-5	-0.2	102	7	99	9	-5	-1
91 CK 167 S 84	B	-5	-0.2	65	6	61	12	-5	1
91 CK 167 S 85	B	-5	-0.2	93	8	174	-5	-5	-1
91 CK 167 S 88	B	22	-0.2	28	5	50	-5	-5	-1
91 CK 167 S 89	B	6	-0.2	2713	19	53	76	-5	5
91 CK 167 S 90	B	-5	-0.2	57	5	70	12	-5	-1
91 CK 167 S 91	B	-5	-0.2	35	4	39	-5	-5	-1
91 CK 167 S 92	B	-5	-0.2	131	3	163	7	-5	-1
91 CK 167 S 93	B	-5	-0.2	33	6	42	-5	-5	-1
91 CK 167 S 94	B	-5	-0.2	75	6	83	-5	-5	-1
91 CK 167 S 95	B	-5	-0.2	37	7	62	-5	-5	-1
91 CK 167 S 96	B	-5	-0.2	50	7	54	-5	-5	-1
91 CK 167 S 97	B	-5	-0.2	37	5	63	-5	-5	-1
91 CK 167 S 98	B	-5	-0.2	85	9	160	-5	-5	-1
91 CK 167 S 99	B	-5	-0.2	176	9	177	12	-5	-1
91 CK 167 S 100	B	-5	-0.2	97	11	127	-5	-5	-1
91 CK 167 S 101	B	-5	-0.2	137	7	93	-5	-5	-1
91 CK 167 S 102	B	-5	-0.2	59	6	69	-5	-5	-1
91 CK 167 S 103	B	-5	-0.2	141	6	103	-5	-5	-1
91 CK 167 S 104	B	-5	-0.2	78	7	51	6	-5	-1
91 CK 167 S 105	B	8	-0.2	42	8	55	-5	-5	2
91 CK 167 S 106	B	-5	-0.2	27	6	42	-5	-5	4

LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
ALL SOIL SAMPLES

SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 CK 167 S 107	B	-5	-0.2	23	5	35	-5	-5	2
91 CK 167 S 108	B	-5	-0.2	21	3	28	-5	-5	3
91 CK 167 S 109	B	-5	-0.2	24	5	27	-5	-5	3
91 CK 167 S 110	B	-5	-0.2	13	7	21	-5	-5	3
91 CK 167 S 111	B	-5	-0.2	17	6	26	7	-5	7
91 CK 167 S 112	B	6	-0.2	23	4	24	-5	-5	1
91 CK 167 S 113	B	-5	-0.2	35	8	67	-5	-5	2
91 CK 167 S 114	B	-5	-0.2	52	6	58	-5	-5	-1
91 CK 167 S 115	B	14	-0.2	40	8	53	7	-5	2
91 CK 167 S 116	B	-5	-0.2	36	5	42	11	-5	-1
91 CK 167 S 117	B	-5	-0.2	49	8	71	-5	-5	-1
91 CK 167 S 118	B	-5	-0.2	52	6	64	-5	-5	-1
91 CK 167 S 119	B	-5	-0.2	59	6	54	-5	-5	-1
91 CK 167 S 120	B	41	-0.2	24	14	58	-5	-5	2
91 CK 167 S 121	B	-5	-0.2	23	7	63	-5	-5	1
91 CK 167 S 122	B	5	0.2	56	6	137	-5	-5	1
91 CK 167 S 123	B	28	-0.2	23	15	162	14	-5	1
91 CK 167 S 124	B	-5	-0.2	14	13	43	-5	-5	-1
91 CK 167 S 125	B	-5	-0.2	12	10	56	-5	-5	-1
91 CK 167 S 126	B	-5	-0.2	18	9	116	8	-5	-1
91 CK 167 S 127	B	-5	-0.2	178	23	230	9	-5	-1
91 CK 167 S 128	B	-5	-0.2	22	6	41	-5	-5	-1
91 CK 167 S 129	B	-5	-0.2	29	18	213	-5	-5	1
91 CK 167 S 130	B	-5	-0.2	20	10	104	-5	-5	1
91 CK 167 S 131	B	-5	-0.2	77	5	56	-5	-5	-1
91 CK 167 S 132	B	-5	-0.2	63	4	58	5	-5	-1
91 CK 167 S 133	B	39	-0.2	20	7	47	-5	-5	-1
91 CK 167 S 134	B	-5	-0.2	59	7	56	-5	-5	-1
91 CK 167 S 135	B	-5	-0.2	59	7	57	-5	-5	-1
91 CK 167 S 136	B	-5	-0.2	21	7	40	-5	-5	-1
91 CK 167 S 137	B	-5	-0.2	42	12	147	-5	-5	-1
91 CK 167 S 138	B	-5	-0.2	58	28	173	-5	-5	1
91 CK 167 S 139	B	-5	-0.2	51	11	213	-5	-5	-1
91 CK 167 S 140	B	-5	-0.2	76	13	254	14	-5	1
91 CK 167 S 141	B	55	-0.2	74	10	164	-5	-5	-1
91 CK 167 S 142	B	-5	-0.2	20	7	74	-5	-5	-1
91 CK 167 S 143	B	-5	-0.2	71	10	189	32	-5	-1
91 CK 167 S 144	B	30	-0.2	161	7	146	12	-5	5
91 CK 167 S 145	B	-5	-0.2	56	6	156	-5	-5	-1
91 CK 167 S 146	B	-5	-0.2	43	11	117	-5	-5	-1
91 CK 167 S 147	B	-5	-0.2	135	6	82	10	-5	-1
91 CK 167 S 148	B	6	-0.2	80	6	108	6	-5	-1
91 CK 167 S 149	B	7	-0.2	90	3	32	-5	-5	1
91 CK 167 S 149	B	12	-0.2	75	4	51	-5	-5	-1
91 CK 167 S 150	B	-5	-0.2	64	8	47	13	-5	1
91 CK 167 S 151	B	11	-0.2	2307	28	114	38	35	25
91 CK 167 S 152	B	7	-0.2	97	5	44	6	-5	1
91 CK 167 S 153	B	-5	-0.2	18	4	64	11	-5	-1
91 CK 167 S 154	B	-5	-0.2	23	6	38	-5	-5	-1
91 CK 167 S 155	B	-5	-0.2	31	8	76	-5	-5	1
91 CK 167 S 156	B	-5	-0.2	13	6	65	-5	-5	-1
91 CK 167 S 157	B	-5	-0.2	31	3	53	-5	-5	-1

LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
ALL SOIL SAMPLES

SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 CK 167 S 158	B	-5	0.4	9	4	87	-5	-5	-1
91 CK 167 S 159	B	-5	-0.2	88	6	67	-5	-5	-1
91 CK 167 S 160	B	-5	-0.2	27	6	64	-5	-5	-1
91 CK 167 S 161	B	-5	-0.2	22	5	46	-5	-5	-1
91 CK 167 S 162	B	-5	-0.2	26	6	43	-5	-5	1
91 CK 167 S 163	B	-5	-0.2	20	8	48	-5	-5	-1
91 CK 167 S 164	B	28	-0.2	19	5	38	-5	-5	-1
91 CK 167 S 165	B	-5	-0.2	35	8	54	-5	-5	-1
91 CK 167 S 166	B	17	-0.2	30	8	64	-5	-5	-1
91 CK 167 S 167	B	-5	-0.2	35	7	55	-5	-5	-1
91 CK 167 S 168	B	29	-0.2	24	7	33	-5	-5	-1
91 CK 167 S 169	B	15	-0.2	23	8	34	-5	-5	-1
91 CK 167 S 170	B	-5	-0.2	17	6	22	-5	-5	2
91 CK 167 S 171	B	12	-0.2	5	3	57	-5	-5	-1
91 CK 167 S 172	B	-5	-0.2	42	6	30	-5	-5	2
91 CK 167 S 173	B	7	-0.2	15	9	48	-5	-5	-1
91 CK 167 S 174	B	-5	-0.2	12	7	85	-5	-5	-1
91 CK 167 S 175	B	-5	-0.2	16	7	44	-5	-5	7
91 CK 167 S 176	B	52	-0.2	22	7	41	-5	-5	2
91 CK 167 S 177	B	18	-0.2	1	3	16	-5	-5	-1
91 CK 167 S 178	B	10	-0.2	10	7	40	-5	-5	-1
91 CK 167 S 179	B	48	-0.2	156	7	41	8	-5	1
91 CK 167 S 180	B	-5	-0.2	111	3	42	25	-5	-1
91 CK 167 S 181	B	19	-0.2	57	4	26	11	-5	1
91 CK 167 S 182	B	-5	-0.2	127	6	65	-5	-5	2
91 CK 167 S 183	B	-5	-0.2	47	6	29	-5	-5	2
91 CK 167 S 184	B	5	-0.2	29	5	18	-5	-5	2
91 CK 167 S 185	B	-5	-0.2	158	30	171	6	-5	-1
91 CK 167 S 186	B	-5	-0.2	45	9	58	-5	-5	-1
91 CK 167 S 187	B	-5	-0.2	60	6	92	-5	-5	-1
91 CK 167 S 188	B	-5	-0.2	32	9	54	-5	-5	-1
91 CK 167 S 189	B	-5	-0.2	25	12	42	-5	-5	-1
91 CK 167 S 190	B	-5	-0.2	25	15	74	-5	-5	-1
91 CK 167 S 191	B	7	-0.2	51	32	112	-5	-5	-1
91 CK 167 S 192	B	-5	-0.2	15	8	74	-5	-5	-1
91 CK 167 S 193	B	-5	-0.2	27	14	40	-5	-5	-1
91 CK 167 S 194	B	-5	-0.2	61	23	107	-5	-5	-1
91 CK 167 S 195	B	-5	-0.2	97	23	265	-5	-5	-1
91 CK 167 S 196	B	6	-0.2	49	40	114	-5	-5	-1
91 CK 167 S 197	B	-5	-0.2	26	6	75	-5	-5	-1
91 CK 167 S 198	B	-5	-0.2	51	6	105	-5	-5	-1
91 CK 167 S 199	B	-5	-0.2	51	5	47	-5	-5	-1
91 CK 167 S 200	B	7	-0.2	61	7	82	-5	-5	-1
91 CK 167 S 201	B	5	-0.2	49	5	100	-5	-5	-1
91 CK 167 S 202	B	-5	-0.2	24	11	69	-5	-5	-1
91 CK 167 S 203	B	5	-0.2	27	7	51	-5	-5	-1
91 CK 167 S 204	B	-5	-0.2	10	2	19	-5	-5	-1
91 CK 167 S 205	B	-5	-0.2	22	4	34	-5	-5	-1
91 CK 167 S 206	B	-5	-0.2	32	4	34	-5	-5	-1
91 CK 167 S 207	B	-5	-0.2	54	6	60	-5	-5	-1
91 CK 167 S 208	B	-5	-0.2	77	6	92	-5	-5	-1
91 CK 167 S 209	B	-5	-0.2	41	6	161	-5	-5	-1

LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
ALL SOIL SAMPLES

SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 CK 167 S 210	B	-5	-0.2	13	2	45	-5	-5	-1
91 CK 167 S 211	B	-5	-0.2	27	4	44	-5	-5	-1
91 CK 167 S 212	B	-5	-0.2	43	3	30	-5	-5	-1
91 CK 167 S 213	B	-5	-0.2	29	5	28	-5	-5	-1
91 CK 167 S 214	B	5	-0.2	57	4	46	-5	-5	-1
91 CK 167 S 215	B	-5	-0.2	41	4	25	-5	-5	-1
91 CK 167 S 216	B	-5	-0.2	50	3	24	-5	-5	-1
91 CK 167 S 217	B	-5	-0.2	63	7	38	-5	-5	3
91 CK 167 S 218	B	-5	-0.2	14	6	52	-5	-5	2
91 CK 167 S 219	B	-5	-0.2	24	7	29	-5	-5	-1
91 CK 167 S 220	B	-5	-0.2	21	5	49	6	-5	2
91 CK 167 S 221	B	-5	-0.2	12	4	32	-5	-5	2
91 CK 167 S 222	B	-5	-0.2	22	4	42	-5	-5	-1
91 CK 167 S 223	B	-5	-0.2	34	6	41	-5	-5	2
91 CK 167 S 224	B	-5	-0.2	71	9	125	-5	-5	4
91 CK 167 S 225	B	20	-0.2	13	9	19	-5	-5	-1
91 CK 167 S 226	B	-5	-0.2	45	7	33	-5	-5	-1
91 CK 167 S 227	B	-5	-0.2	14	4	30	-5	-5	-1
91 CK 167 S 228	B	-5	-0.2	20	7	34	-5	-5	-1
91 CK 167 S 229	B	-5	-0.2	17	5	59	-5	-5	4
91 CK 167 S 230	B	-5	-0.2	25	7	39	-5	-5	-1
91 CK 167 S 231	B	17	-0.2	22	7	45	-5	-5	-1
91 CK 167 S 232	B	-5	-0.2	9	5	34	-5	-5	-1
91 CK 167 S 233	B	29	-0.2	38	8	46	7	-5	-1
91 CK 167 S 235	B	-5	-0.2	51	67	425	-5	-5	-1
91 CK 167 S 236	B	-5	-0.2	106	232	967	-5	-5	1
91 CK 167 S 237	B	-5	-0.2	56	43	352	-5	-5	-1
91 CK 167 S 238	B	-5	-0.2	124	10	150	-5	-5	-1
91 CK 167 S 239	B	-5	-0.2	41	15	132	-5	-5	-1
91 CK 167 S 240	B	-5	-0.2	42	9	52	-5	-5	-1
91 CK 167 S 241	B	-5	-0.2	-1	2	62	42	-5	-1
91 CK 167 S 242	B	-5	-0.2	1	2	9	-5	-5	1
91 CK 167 S 243	B	-5	-0.2	5	5	15	-5	-5	-1
91 CK 167 S 244	B	5	-0.2	7	7	20	-5	-5	-1
91 CK 167 S 245	B	-5	-0.2	47	7	89	-5	-5	-1
91 CK 167 S 246	B	-5	-0.2	23	8	34	-5	-5	-1
91 CK 167 S 247	B	11	-0.2	72	4	50	-5	-5	-1
91 CK 167 S 248	B	6	-0.2	91	5	23	-5	-5	1
91 CK 167 S 249	B	12	-0.2	180	8	38	-5	-5	2
91 CK 167 S 250	B	-5	-0.2	55	9	45	-5	-5	-1
91 CK 167 S 251	B	-5	-0.2	50	11	80	-5	-5	3
91 CK 167 S 252	B	-5	-0.2	34	8	70	-5	-5	2
91 CK 167 S 253	B	-5	-0.2	14	11	49	-5	-5	-1
91 CK 167 S 254	B	-5	-0.2	11	8	38	-5	-5	-1
91 CK 167 S 255	B	-5	-0.2	13	8	51	-5	-5	-1
91 CK 167 S 256	B	6	-0.2	19	10	40	-5	-5	-1
91 CK 167 S 257	B	-5	-0.2	66	10	107	-5	-5	-1
91 CK 167 S 258	B	-5	-0.2	31	6	52	-5	-5	-1
91 CK 167 S 259	B	-5	-0.2	8	7	44	-5	-5	5
91 AB 167 S 350	B	-5	-0.2	30	-2	31	104	-5	-1
91 AB 167 S 351	B	-5	-0.2	6	2	41	53	-5	1
91 AT 167 S 1001	B	-5	-0.2	40	12	85	-5	-5	-1

LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
ALL SOIL SAMPLES

SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 AT 167 S 1002	B	19	-0.2	71	15	172	26	-5	1
91 AT 167 S 1003	B	6	-0.2	139	9	116	-5	-5	1
91 AT 167 S 1004	B	-5	0.4	80	8	170	21	-5	-1
91 AT 167 S 1005	B	-5	-0.2	68	10	164	-5	-5	-1
91 AT 167 S 1006	B	-5	-0.2	64	13	193	40	-5	2
91 AT 167 S 1007	B	-5	-0.2	62	13	221	-5	-5	-1
91 AT 167 S 1008	B	-5	0.9	75	41	197	-5	-5	1
91 AT 167 S 1009	B	-5	-0.2	31	34	111	-5	-5	1
91 AT 167 S 1010	B	-5	-0.2	56	21	156	-5	-5	-1
91 AT 167 S 1011	B	-5	-0.2	44	5	50	-5	-5	3
91 AT 167 S 1012	B	-5	-0.2	56	5	52	-5	-5	1
91 AT 167 S 1013	B	-5	-0.2	41	7	45	-5	-5	1
91 AT 167 S 1014	B	-5	-0.2	70	6	73	-5	-5	-1
91 AT 167 S 1015	B	-5	-0.2	41	9	42	-5	-5	-1
91 AT 167 S 1016	B	-5	-0.2	65	10	88	-5	-5	1
91 AT 167 S 1017	B	-5	-0.2	47	9	65	-5	-5	-1
91 AT 167 S 1018	B	-5	-0.2	58	11	154	-5	-5	-1
91 AT 167 S 1019	B	-5	-0.2	283	13	192	-5	-5	1
91 AT 167 S 1020	B	-5	-0.2	38	49	84	-5	-5	2
91 AT 167 S 1021	B	-5	-0.2	6	-2	96	-5	-5	-1
91 AT 167 S 1022	B	-5	-0.2	36	12	54	-5	-5	1
91 AT 167 S 1023	B	-5	-0.2	35	22	66	-5	-5	2
91 AT 167 S 1024	B	-5	-0.2	31	23	60	-5	-5	2
91 AT 167 S 1025	B	-5	-0.2	60	36	151	-5	-5	2
91 AT 167 S 1026	B	-5	-0.2	36	21	76	-5	-5	-1
91 AT 167 S 1027	B	-5	-0.2	36	11	148	-5	-5	-1
91 AT 167 S 1028	B	-5	-0.2	29	12	89	-5	-5	-1
91 AT 167 S 1029	B	-5	-0.2	35	16	97	-5	-5	-1
91 AT 167 S 1030	B	-5	-0.2	28	10	68	-5	-5	-1
91 AT 167 S 1031	B	-5	-0.2	101	12	97	15	-5	1
91 AT 167 S 1032	B	-5	-0.2	21	22	55	-5	-5	2
91 AT 167 S 1033	B	-5	-0.2	52	10	93	-5	-5	-1
91 AT 167 S 1034	B	-5	-0.2	38	13	85	12	-5	1
91 AT 167 S 1035	B	-5	-0.2	39	13	106	-5	-5	-1
91 AT 167 S 1036	B	-5	-0.2	34	16	86	-5	-5	1
91 AT 167 S 1037	B	-5	-0.2	28	9	50	-5	-5	2
91 AT 167 S 1038	B	-5	-0.2	37	18	102	-5	-5	2
91 AT 167 S 1039	B	12	-0.2	27	15	87	-5	-5	1
91 AT 167 S 1040	B	7	-0.2	47	23	144	16	-5	2
91 AT 167 S 1041	B	11	-0.2	26	14	89	-5	-5	2
91 AT 167 S 1042	B	10	-0.2	20	7	40	-5	-5	-1
91 AT 167 S 1043	B	-5	-0.2	756	11	122	-5	15	-1
91 AT 167 S 1044	B	-5	-0.2	58	14	66	17	-5	-1
91 AT 167 S 1045	B	-5	-0.2	110	13	163	29	-5	3
91 AT 167 S 1046	B	-5	-0.2	40	21	63	-5	-5	1
91 AT 167 S 1047	B	-5	-0.2	39	13	102	-5	-5	-1
91 AT 167 S 1048	B	-5	-0.2	1409	12	393	-5	-5	-1
91 AT 167 S 1049	B	-5	-0.2	52	8	102	5	-5	-1
91 AT 167 S 1050	B	-5	-0.2	6	30	981	-5	-5	-1
91 AT 167 S 1051	B	-5	-0.2	31	9	240	9	-5	-1
91 AT 167 S 1052	B	-5	-0.2	19	12	65	16	-5	1
91 AT 167 S 1053	B	-5	-0.2	34	13	68	-5	-5	2

LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
ALL SOIL SAMPLES

SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 AT 167 S 1054	B	-5	-0.2	30	22	144	25	-5	4
91 AT 167 S 1055	B	-5	-0.2	28	26	85	13	-5	4
91 AT 167 S 1056	B	-5	-0.2	58	23	96	17	-5	2
91 AT 167 S 1057	B	-5	-0.2	36	15	88	-5	-5	-1
91 AT 167 S 1058	B	-5	-0.2	46	18	110	-5	-5	1
91 AT 167 S 1059	B	-5	-0.2	28	19	100	15	-5	2
91 AT 167 S 1060	B	-5	-0.2	44	23	123	-5	-5	-1
91 AT 167 S 1061	B	-5	-0.2	26	16	128	24	-5	-1
91 AT 167 S 1062	B	-5	-0.2	51	6	24	-5	-5	1
91 AT 167 S 1063	B	-5	-0.2	54	7	39	7	-5	1
91 AT 167 S 1064	B	-5	-0.2	10	5	25	-5	-5	2
91 AT 167 S 1065	B	-5	-0.2	55	6	37	-5	-5	2
91 AT 167 S 1066	B	-5	-0.2	13	9	35	-5	-5	-1
91 AT 167 S 1067	B	-5	-0.2	10	6	34	-5	-5	-1
91 AT 167 S 1068	B	-5	-0.2	23	6	37	-5	-5	-1
91 AT 167 S 1069	B	22	-0.2	44	4	50	-5	-5	-1
91 AT 167 S 1070	B	-5	-0.2	107	8	43	-5	-5	-1
91 AT 167 S 1071	B	-5	-0.2	60	5	46	-5	-5	-1
91 AT 167 S 1072	B	-5	-0.2	33	6	31	-5	-5	-1
91 AT 167 S 1073	B	-5	-0.2	18	3	39	-5	-5	-1
91 AT 167 S 1074	B	-5	-0.2	27	6	42	-5	-5	-1
91 AT 167 S 1075	B	-5	-0.2	18	7	30	-5	-5	-1
91 AT 167 S 1076	B	-5	-0.2	16	4	37	-5	-5	-1
91 AT 167 S 1077	B	-5	-0.2	8	3	23	-5	-5	-1
91 AT 167 S 1078	B	-5	-0.2	82	4	59	-5	-5	-1
91 AT 167 S 1079	B	8	-0.2	72	5	101	18	-5	2
91 AT 167 S 1080	B	-5	-0.2	59	3	54	-5	-5	-1
91 AT 167 S 1081	B	11	-0.2	55	6	58	-5	-5	-1
91 AT 167 S 1082	B	-5	-0.2	59	6	52	-5	-5	-1
91 AT 167 S 1083	B	-5	-0.2	55	6	135	-5	-5	-1
91 AT 167 S 1084	B	-5	-0.2	109	6	104	-5	-5	2
91 AT 167 S 1085	B	-5	-0.2	47	9	54	-5	-5	1
91 AT 167 S 1086	B	-5	-0.2	52	7	44	-5	-5	-1
91 AT 167 S 1087	B	-5	-0.2	27	6	52	-5	-5	-1
91 AT 167 S 1088	B	-5	-0.2	18	5	31	-5	-5	-1
91 AT 167 S 1089	B	-5	-0.2	50	7	60	-5	-5	-1
91 AT 167 S 1090	B	-5	-0.2	25	9	60	-5	-5	-1
91 AT 167 S 1091	B	-5	-0.2	44	6	69	-5	-5	-1
91 AT 167 S 1092	B	-5	-0.2	56	10	101	-5	-5	-1
91 AT 167 S 1093	B	-5	-0.2	14	11	36	-5	-5	-1
91 AT 167 S 1094	B	-5	-0.2	52	10	112	-5	-5	-1
91 AT 167 S 1095	B	-5	-0.2	4	3	31	-5	-5	-1
91 AT 167 S 1096	B	-5	-0.2	13	6	44	-5	-5	-1
91 AT 167 S 1097	B	20	-0.2	142	8	88	-5	7	-1
91 AT 167 S 1098	B	-5	-0.2	26	9	59	-5	-5	-1
91 AT 167 S 1099	B	12	-0.2	65	12	197	174	17	-1
91 AT 167 S 1100	B	-5	-0.2	46	7	104	51	-5	-1
91 AT 167 S 1101	B	6	-0.2	18	7	37	-5	-5	-1
91 AT 167 S 1102	B	5	-0.2	15	8	29	-5	-5	-1
91 AT 167 S 1103	B	-5	-0.2	2	-2	10	-5	-5	-1
91 AT 167 S 1104	B	-5	-0.2	13	8	37	-5	-5	-1
91 AT 167 S 1105	B	-5	-0.2	12	8	38	-5	-5	-1

LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
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SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 AT 167 S 1106	B	-5	-0.2	54	29	67	-5	-5	-1
91 AT 167 S 1107	B	-5	-0.2	10	5	39	-5	-5	-1
91 AT 167 S 1108	B	-5	-0.2	116	13	101	-5	-5	-1
91 AT 167 S 1109	B	-5	-0.2	59	12	40	-5	-5	5
91 AT 167 S 1110	B	-5	-0.2	105	11	47	-5	-5	6
91 AT 167 S 1111	B	-5	-0.2	36	10	82	-5	-5	-1
91 AT 167 S 1112	B	-5	-0.2	17	12	40	-5	-5	-1
91 AT 167 S 1113	B	10	-0.2	81	6	113	7	-5	-1
91 AT 167 S 1114	B	-5	-0.2	39	9	55	-5	-5	-1
91 AT 167 S 1115	B	-5	-0.2	52	8	66	-5	-5	-1
91 AT 167 S 1116	B	-5	-0.2	37	9	69	-5	-5	-1
91 AT 167 S 1117	B	-5	-0.2	30	5	67	-5	-5	-1
91 AT 167 S 1118	B	-5	-0.2	55	10	132	-5	-5	-1
91 AT 167 S 1119	B	455	-0.2	45	10	56	-5	-5	1
91 AT 167 S 1120	B	-5	-0.2	38	6	100	12	-5	-1
91 AT 167 S 1121	B	-5	-0.2	31	9	55	16	5	-1
91 AT 167 S 1122	B	-5	-0.2	42	5	48	11	-5	-1
91 AT 167 S 1123	B	7	-0.2	33	12	96	-5	-5	-1
91 AT 167 S 1124	B	-5	-0.2	53	10	154	-5	-5	-1
91 AT 167 S 1125	B	-5	-0.2	19	10	54	-5	-5	-1
91 AT 167 S 1126	B	26	-0.2	41	9	69	-5	-5	-1
91 AT 167 S 1127	B	16	0.3	184	21	360	-5	-5	-1
91 AT 167 S 1128	B	-5	-0.2	47	13	124	5	-5	-1
91 AT 167 S 1129	B	-5	-0.2	44	13	182	-5	-5	-1
91 AT 167 S 1130	B	-5	-0.2	26	14	94	-5	-5	-1
91 AT 167 S 1131	B	8	-0.2	79	15	127	22	-5	-1
91 AT 167 S 1132	B	6	-0.2	46	15	121	-5	-5	-1
91 AT 167 S 1133	B	-5	-0.2	29	14	73	-5	-5	-1
91 AT 167 S 1134	B	-5	-0.2	29	10	84	-5	-5	-1
91 AT 167 S 1135	B	-5	-0.2	28	11	79	-5	-5	-1
91 AT 167 S 1136	B	42	-0.2	47	8	108	-5	-5	-1
91 AT 167 S 1137	B	-5	-0.2	17	9	160	-5	-5	-1
91 AT 167 S 1138	B	98	-0.2	52	14	167	13	-5	-1
91 AT 167 S 1139	B	9	-0.2	36	8	120	7	-5	-1
91 AT 167 S 1140	B	-5	-0.2	32	7	58	-5	-5	-1
91 AT 167 S 1141	B	-5	-0.2	27	6	51	-5	-5	-1
91 AT 167 S 1142	B	-5	-0.2	29	7	46	-5	-5	-1
91 AT 167 S 1143	B	-5	-0.2	15	11	44	-5	-5	-1
91 AT 167 S 1144	B	6	-0.2	34	5	60	7	-5	-1
91 AT 167 S 1145	B	-5	-0.2	9	2	16	9	-5	-1
91 AT 167 S 1146	B	-5	-0.2	25	6	22	8	-5	-1
91 AT 167 S 1147	B	-5	-0.2	11	5	42	6	-5	1
91 AT 167 S 1148	B	11	-0.2	30	4	22	-5	-5	-1
91 AT 167 S 1149	B	-5	-0.2	69	3	30	-5	-5	-1
91 AT 167 S 1150	B	-5	-0.2	63	3	27	-5	-5	-1
91 AT 167 S 1151	B	-5	-0.2	59	3	42	-5	-5	-1
91 AT 167 S 1152	B	96	-0.2	3	3	16	8	-5	-1
91 AT 167 S 1153	B	-5	-0.2	3	6	7	6	-5	-1
91 AT 167 S 1154	B	-5	-0.2	10	6	15	-5	-5	2
91 AT 167 S 1155	B	-5	-0.2	12	8	21	-5	-5	-1
91 AT 167 S 1156	B	-5	-0.2	17	4	9	-5	-5	4
91 AT 167 S 1157	B	-5	-0.2	23	-2	24	-5	-5	2

LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
ALL SOIL SAMPLES

SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 AT 167 S 1158	B	-5	-0.2	12	-2	57	8	-5	3
91 AT 167 S 1159	B	-5	-0.2	19	-2	35	-5	-5	2
91 AT 167 S 1160	B	-5	-0.2	19	-2	23	10	-5	3
91 AT 167 S 1161	B	-5	-0.2	26	-2	76	-5	-5	3
91 AT 167 S 1162	B	-5	-0.2	26	-2	28	7	-5	2
91 AT 167 S 1163	B	-5	-0.2	8	-2	20	-5	-5	1
91 AT 167 S 1164	B	-5	-0.2	23	-2	26	-5	-5	2
91 AT 167 S 1165	B	-5	-0.2	90	-2	28	-5	-5	3
91 AT 167 S 1166	B	-5	-0.2	64	-2	37	-5	-5	2
91 AT 167 S 1167	B	-5	-0.2	38	-2	95	-5	-5	1
91 AT 167 S 1168	B	-5	-0.2	35	-2	40	-5	-5	1
91 AT 167 S 1169	B	-5	-0.2	33	-2	28	-5	-5	1
91 AT 167 S 1170	B	-5	-0.2	23	-2	24	-5	-5	1
91 AT 167 S 1171	B	-5	-0.2	21	-2	38	-5	-5	2
91 AT 167 S 1172	B	-5	-0.2	18	-2	30	-5	-5	3
91 AT 167 S 1173	B	-5	-0.2	27	-2	31	-5	-5	2
91 AT 167 S 1174	B	-5	-0.2	16	-2	24	-5	-5	2
91 AT 167 S 1175	B	-5	-0.2	18	-2	42	-5	-5	2
91 AT 167 S 1176	B	-5	-0.2	55	-2	37	9	-5	1
91 AT 167 S 1177	B	-5	-0.2	37	-2	43	8	-5	-1
91 AT 167 S 1178	B	-5	-0.2	58	-2	59	-5	-5	1
91 AT 167 S 1179	B	-5	-0.2	40	-2	38	-5	-5	2
91 AT 167 S 1180	B	-5	-0.2	33	-2	27	-5	-5	1
91 AT 167 S 1181	B	-5	-0.2	37	-2	65	-5	-5	5
91 AT 167 S 1182	B	-5	-0.2	42	-2	66	-5	-5	2
91 AT 167 S 1183	B	-5	-0.2	38	-2	101	6	-5	-1
91 AT 167 S 1184	B	-5	-0.2	28	-2	45	-5	-5	-1
91 AT 167 S 1185	B	-5	-0.2	32	-2	54	-5	-5	2
91 AT 167 S 1186	B	-5	-0.2	18	-2	29	7	-5	1
91 AT 167 S 1187	B	-5	-0.2	26	-2	35	-5	-5	3
91 AT 167 S 1188	B	-5	-0.2	21	-2	31	8	-5	3
91 AT 167 S 1189	B	-5	-0.2	16	-2	31	-5	-5	2
91 AT 167 S 1190	B	-5	-0.2	9	-2	31	-5	-5	2
91 AT 167 S 1191	B	-5	-0.2	5	-2	31	-5	-5	-1
91 AT 167 S 1192	B	-5	-0.2	23	-2	26	-5	-5	2
91 AT 167 S 1193	B	-5	-0.2	27	24	64	-5	-5	6
91 AT 167 S 1194	B	-5	-0.2	237	-2	344	73	-5	3
91 AT 167 S 1195	B	-5	-0.2	22	-2	75	-5	-5	2
91 AT 167 S 1196	B	-5	-0.2	51	3	108	-5	-5	1
91 AT 167 S 1197	B	6	-0.2	83	31	156	-5	-5	1
91 AT 167 S 1198	B	-5	-0.2	85	-2	217	16	-5	1
91 AT 167 S 1199	B	-5	-0.2	121	5	168	7	-5	1
91 AT 167 S 1200	B	-5	-0.2	46	-2	79	-5	-5	-1
91 AT 167 S 1201	B	-5	-0.2	53	-2	104	11	-5	1
91 AT 167 S 1202	B	-5	-0.2	53	-2	155	-5	-5	-1
91 AT 167 S 1203	B	-5	-0.2	23	-2	65	-5	-5	1
91 AT 167 S 1204	B	-5	-0.2	62	-2	102	-5	-5	-1
91 AT 167 S 1205	B	9	-0.2	182	-2	271	10	-5	-1
91 AT 167 S 1206	B	-5	-0.2	39	-2	156	-5	-5	-1
91 AT 167 S 1207	B	-5	-0.2	51	-2	102	-5	-5	-1
91 AT 167 S 1208	B	-5	-0.2	77	-2	126	-5	-5	4
91 AT 167 S 1209	B	-5	-0.2	70	-2	130	5	-5	2

LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
ALL SOIL SAMPLES

SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 AT 167 S 1210	B	-5	-0.2	27	6	78	-5	-5	1
91 AT 167 S 1211	B	-5	-0.2	54	-2	147	-5	-5	1
91 AT 167 S 1212	B	-5	-0.2	54	-2	85	-5	-5	1
91 AT 167 S 1213	B	-5	-0.2	67	-2	77	-5	-5	-1
91 AT 167 S 1214	B	10	-0.2	55	-2	120	-5	-5	1
91 AT 167 S 1215	B	-5	-0.2	31	-2	52	16	-5	2
91 AT 167 S 1216	B	-5	-0.2	29	-2	52	-5	-5	1
91 AT 167 S 1217	B	-5	-0.2	26	-2	55	-5	-5	2
91 AT 167 S 1218	B	-5	-0.2	44	-2	67	-5	-5	-1
91 AT 167 S 1219	B	-5	-0.2	33	-2	45	-5	-5	2
91 AT 167 S 1220	B	-5	-0.2	19	-2	44	-5	-5	-1
91 AT 167 S 1221	B	-5	-0.2	25	-2	56	9	-5	1
91 AT 167 S 1222	B	-5	-0.2	36	9	65	-5	-5	-1
91 AT 167 S 1223	B	-5	-0.2	26	9	50	-5	-5	-1
91 AT 167 S 1224	B	-5	-0.2	33	8	57	-5	-5	-1
91 AT 167 S 1225	B	-5	-0.2	38	5	36	-5	-5	-1
91 AT 167 S 1226	B	7	-0.2	42	6	26	-5	-5	1
91 AT 167 S 1227	B	-5	-0.2	19	7	22	8	-5	-1
91 AT 167 S 1228	B	-5	-0.2	27	6	28	-5	-5	5
91 AT 167 S 1229	B	-5	-0.2	16	7	33	-5	-5	4
91 AT 167 S 1230	B	-5	-0.2	47	6	25	-5	-5	-1
91 AT 167 S 1231	B	-5	-0.2	10	4	15	-5	-5	-1
91 AT 167 S 1232	B	-5	-0.2	8	5	11	-5	-5	1
91 AT 167 S 1233	B	-5	-0.2	10	7	14	-5	-5	1
91 AT 167 S 1234	B	-5	-0.2	3	5	12	-5	-5	5
91 AT 167 S 1235	B	-5	-0.2	5	-2	19	-5	-5	4
91 AT 167 S 1236	B	-5	-0.2	4	3	6	-5	-5	-1
91 AT 167 S 1237	B	8	-0.2	4	-2	7	-5	-5	-1
91 AT 167 S 1238	B	30	-0.2	9	4	20	-5	-5	2
91 AT 167 S 1239	B	6	-0.2	10	7	41	-5	-5	-1
91 AT 167 S 1240	B	-5	-0.2	4	3	15	-5	-5	3
91 AT 167 S 1241	B	-5	-0.2	19	4	24	-5	-5	1
91 AT 167 S 1242	B	-5	-0.2	21	9	39	-5	-5	-1
91 AT 167 S 1243	B	-5	-0.2	54	12	64	-5	-5	5
91 AT 167 S 1244	B	-5	-0.2	49	17	59	-5	-5	1
91 AT 167 S 1245	B	-5	-0.2	24	7	52	-5	-5	1
91 AT 167 S 1246	B	-5	-0.2	143	15	58	14	-5	8
91 AT 167 S 1247	B	-5	-0.2	34	11	71	-5	-5	-1
91 AT 167 S 1248	B	-5	-0.2	44	10	168	-5	-5	7
91 AT 167 S 1249	B	-5	-0.2	47	14	56	20	-5	2
91 AT 167 S 1250	B	-5	-0.2	24	10	44	-5	-5	1
91 AT 167 S 1251	B	-5	-0.2	29	10	53	-5	-5	-1
91 AT 167 S 1252	B	-5	-0.2	14	7	27	-5	-5	-1
91 AT 167 S 1253	B	-5	-0.2	38	10	45	-5	-5	1
91 AT 167 S 1254	B	-5	-0.2	39	12	50	-5	-5	-1
91 AT 167 S 1255	B	-5	-0.2	31	11	52	7	-5	-1
91 AT 167 S 1256	B	-5	-0.2	16	12	56	5	-5	-1
91 AT 167 S 1257	B	-5	-0.2	20	13	53	-5	-5	-1
91 AT 167 S 1258	B	-5	-0.2	25	7	59	11	-5	-1
91 AT 167 S 1259	B	-5	-0.2	34	8	41	-5	-5	-1
91 AT 167 S 1260	B	8	-0.2	21	9	33	-5	-5	-1
91 AT 167 S 1261	B	-5	-0.2	24	13	44	6	-5	1

LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
ALL SOIL SAMPLES

SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 AT 167 S 1262	B	-5	-0.2	41	11	57	8	-5	-1
91 AT 167 S 1263	B	-5	-0.2	34	8	44	11	-5	3
91 AT 167 S 1264	B	-5	-0.2	25	11	37	-5	-5	-1
91 AT 167 S 1265	B	-5	-0.2	17	6	23	-5	-5	-1
91 AT 167 S 1266	B	-5	-0.2	24	8	39	-5	-5	-1
91 AT 167 S 1267	B	-5	-0.2	27	8	30	-5	-5	-1
91 AT 167 S 1268	B	-5	-0.2	28	9	37	-5	-5	-1
91 AT 167 S 1269	B	-5	-0.2	41	7	32	11	-5	1
91 AT 167 S 1270	B	-5	-0.2	31	8	45	-5	-5	2
91 AT 167 S 1271	B	-5	-0.2	133	11	87	16	-5	-1
91 AT 167 S 1272	B	-5	-0.2	47	11	94	-5	-5	1
91 AT 167 S 1273	B	-5	-0.2	42	8	57	-5	-5	-1
91 AT 167 S 1274	B	-5	-0.2	27	9	35	-5	-5	-1
91 AT 167 S 1275	B	-5	-0.2	92	8	111	-5	-5	3
91 AT 167 S 1276	B	-5	-0.2	22	3	47	43	-5	2
91 AT 167 S 1277	B	-5	-0.2	21	-2	54	35	-5	5
91 AT 167 S 1278	B	-5	-0.2	27	-2	62	-5	-5	3
91 AT 167 S 1279	B	-5	-0.2	29	-2	62	-5	-5	4
91 AT 167 S 1280	B	6	-0.2	56	2	70	45	-5	3
91 AT 167 S 1281	B	9	-0.2	45	-2	52	-5	-5	3
91 AT 167 S 1282	B	-5	-0.2	61	-2	99	-5	-5	3
91 AT 167 S 1283	B	6	-0.2	49	-2	48	51	-5	-1
91 AT 167 S 1284	B	-5	-0.2	27	-2	34	-5	-5	1
91 AT 167 S 1285	B	-5	-0.2	150	-2	23	-5	-5	1
91 AT 167 S 1286	B	-5	-0.2	50	-2	61	-5	-5	2
91 AT 167 S 1287	B	-5	-0.2	59	-2	116	-5	-5	2
91 AT 167 S 1288	B	-5	-0.2	57	-2	70	-5	-5	2
91 AT 167 S 1289	B	-5	-0.2	51	-2	74	-5	-5	3
91 AT 167 S 1290	B	6	-0.2	33	2	39	6	-5	4
91 AT 167 S 1291	B	-5	-0.2	14	4	27	-5	-5	2
91 AT 167 S 1292	B	9	-0.2	482	-2	30	-5	-5	3
91 AT 167 S 1293	B	-5	-0.2	156	2	28	55	-5	6
91 AT 167 S 1294	B	-5	-0.2	33	2	28	45	-5	6
91 AT 167 S 1295	B	-5	-0.2	15	2	27	-5	-5	4
91 AT 167 S 1296	B	-5	-0.2	8	6	27	6	-5	2
91 AT 167 S 1297	B	-5	-0.2	16	-2	22	-5	-5	3
91 AT 167 S 1298	B	-5	-0.2	6	-2	16	-5	-5	3
91 AT 167 S 1299	B	-5	-0.2	20	-2	23	19	-5	3
91 AT 167 S 1300	B	6	-0.2	26	-2	23	17	-5	4
91 AT 167 S 1301	B	-5	-0.2	28	-2	18	24	-5	3
91 AT 167 S 1302	B	6	-0.2	26	-2	27	20	-5	1
91 AT 167 S 1303	B	-5	-0.2	18	3	48	-5	-5	2
91 AT 167 S 1304	B	-5	-0.2	24	-2	20	23	-5	2
91 AT 167 S 1305	B	-5	-0.2	55	-2	39	-5	-5	2
91 AT 167 S 1306	B	-5	-0.2	48	-2	35	20	-5	2
91 AT 167 S 1307	B	-5	-0.2	47	-2	49	-5	-5	1
91 AT 167 S 1308	B	7	-0.2	37	-2	23	20	-5	3
91 AT 167 S 1309	B	-5	-0.2	32	-2	20	-5	-5	3
91 AT 167 S 1310	B	9	-0.2	84	-2	92	-5	-5	3
91 AT 167 S 1311	B	7	-0.2	33	-2	28	-5	-5	3
91 AT 167 S 1312	B	-5	-0.2	123	-2	66	48	-5	2
91 AT 167 S 1313	B	-5	-0.2	48	-2	42	28	-5	3

LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
ALL SOIL SAMPLES

SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 AT 167 S 1314	B	7	-0.2	27	-2	49	-5	-5	6
91 AT 167 S 1315	B	-5	-0.2	7	2	12	-5	-5	5
91 AT 167 S 1316	B	-5	-0.2	6	4	27	-5	-5	3
91 AT 167 S 1317	B	-5	-0.2	19	2	32	23	-5	8
91 AT 167 S 1318	B	-5	-0.2	9	4	20	19	-5	7
91 AT 167 S 1319	B	5	-0.2	7	3	15	20	-5	5
91 AT 167 S 1320	B	-5	-0.2	21	-2	14	16	-5	3
91 AT 167 S 1321	B	-5	-0.2	6	3	26	26	-5	5
91 AT 167 S 1322	B	-5	-0.2	10	2	5	14	-5	3
91 AT 167 S 1323	B	-5	-0.2	8	4	20	-5	-5	2
91 AT 167 S 1324	B	-5	-0.2	7	3	26	-5	-5	3
91 AT 167 S 1325	B	-5	-0.2	8	4	18	19	-5	3
91 AT 167 S 1326	B	-5	-0.2	13	-2	9	11	-5	3
91 AT 167 S 1327	B	-5	-0.2	14	-2	18	34	-5	6
91 AT 167 S 1328	B	-5	-0.2	15	-2	11	18	-5	2
91 AT 167 S 1329	B	-5	-0.2	15	-2	5	42	-5	2
91 AT 167 S 1330	B	12	-0.2	27	-2	5	21	-5	3
91 AT 167 S 1331	B	7	-0.2	44	-2	12	-5	-5	4
91 AT 167 S 1332	B	-5	-0.2	13	-2	18	85	7	6
91 AT 167 S 1333	B	-5	-0.2	16	-2	26	-5	-5	3
91 AT 167 S 1334	B	-5	-0.2	130	-2	27	-5	-5	4
91 AT 167 S 1335	B	-5	-0.2	8	-2	9	40	-5	5
91 AT 167 S 1336	B	-5	-0.2	21	-2	32	9	-5	4
91 AT 167 S 1337	B	-5	-0.2	29	-2	32	16	-5	4
91 AT 167 S 1338	B	-5	-0.2	23	-2	29	-5	-5	1
91 AT 167 S 1339	B	-5	-0.2	21	-2	36	-5	-5	2
91 AT 167 S 1340	B	-5	-0.2	14	3	45	-5	-5	1
91 AT 167 S 1341	B	-5	-0.2	12	-2	-1	5	-5	1
91 JM 167 S 2000	B	-5	-0.2	16	4	11	-5	-5	2
91 JM 167 S 2001	B	-5	-0.2	40	7	36	-5	-5	1
91 JM 167 S 2002	B	-5	-0.2	22	7	19	-5	-5	1
91 JM 167 S 2003	B	-5	-0.2	21	5	22	-5	-5	1
91 JM 167 S 2004	B	-5	-0.2	20	7	18	-5	-5	1
91 JM 167 S 2005	B	-5	-0.2	40	5	21	-5	-5	2
91 JM 167 S 2006	B	-5	-0.2	31	5	19	-5	-5	1
91 JM 167 S 2007	B	-5	-0.2	10	9	27	-5	-5	2
91 JM 167 S 2008	B	-5	-0.2	30	7	21	-5	-5	1
91 JM 167 S 2009	B	-5	-0.2	37	4	22	5	-5	-1
91 JM 167 S 2010	B	-5	-0.2	51	6	50	-5	-5	-1
91 JM 167 S 2011	B	-5	-0.2	50	6	28	6	-5	-1
91 JM 167 S 2012	B	-5	-0.2	30	4	21	8	-5	6
91 JM 167 S 2013	B	-5	-0.2	18	5	17	-5	-5	2
91 JM 167 S 2014	B	38	-0.2	35	7	21	9	-5	-1
91 JM 167 S 2015	B	-5	-0.2	44	5	34	-5	-5	-1
91 JM 167 S 2016	B	-5	-0.2	31	5	41	-5	-5	1
91 JM 167 S 2017	B	-5	-0.2	38	6	26	-5	-5	-1
91 JM 167 S 2018	B	-5	-0.2	23	7	24	-5	-5	2
91 JM 167 S 2019	B	-5	-0.2	7	5	10	-5	-5	-1
91 JM 167 S 2020	B	-5	-0.2	30	7	18	-5	-5	2
91 JM 167 S 2021	B	-5	-0.2	25	7	19	-5	-5	2
91 JM 167 S 2022	B	-5	-0.2	37	9	26	-5	-5	5
91 JM 167 S 2023	B	-5	-0.2	16	7	22	-5	-5	1

LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
ALL SOIL SAMPLES

SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 JM 167 S 2024	B	-5	-0.2	38	10	30	5	-5	4
91 JM 167 S 2025	B	-5	-0.2	26	7	18	-5	-5	3
91 JM 167 S 2026	B	-5	-0.2	21	4	17	-5	-5	2
91 JM 167 S 2027	B	-5	-0.2	23	9	32	-5	-5	3
91 JM 167 S 2028	B	-5	-0.2	20	7	24	-5	-5	2
91 JM 167 S 2029	B	-5	-0.2	13	8	76	39	-5	-1
91 JM 167 S 2030	B	7	-0.2	18	15	66	9	-5	-1
91 JM 167 S 2031	B	6	-0.2	43	7	82	-5	-5	-1
91 JM 167 S 2032	B	-5	-0.2	17	12	34	-5	-5	-1
91 JM 167 S 2033	B	6	-0.2	110	238	127	62	-5	-1
91 JM 167 S 2034	B	-5	-0.2	15	11	50	-5	-5	-1
91 JM 167 S 2035	B	-5	-0.2	14	7	45	-5	-5	-1
91 JM 167 S 2036	B	-5	0.6	44	22	128	-5	-5	-1
91 JM 167 S 2037	B	-5	-0.2	65	9	110	13	-5	-1
91 JM 167 S 2038	B	-5	-0.2	18	28	132	-5	-5	1
91 JM 167 S 2039	B	-5	-0.2	20	97	227	6	-5	5
91 JM 167 S 2040	B	19	-0.2	9	8	120	15	-5	-1
91 JM 167 S 2041	B	-5	-0.2	19	7	287	20	-5	-1
91 JM 167 S 2042	B	-5	-0.2	32	7	160	7	-5	-1
91 JM 167 S 2043	B	-5	-0.2	78	10	291	12	-5	-1
91 JM 167 S 2044	B	-5	-0.2	23	8	69	-5	-5	-1
91 JM 167 S 2045	B	-5	-0.2	33	9	215	44	-5	-1
91 JM 167 S 2046	B	-5	-0.2	66	8	166	-5	-5	-1
91 JM 167 S 2047	B	-5	-0.2	23	9	243	12	-5	-1
91 JM 167 S 2048	B	-5	-0.2	22	14	240	-5	-5	-1
91 JM 167 S 2049	B	-5	-0.2	26	18	254	10	-5	-1
91 JM 167 S 2050	B	-5	-0.2	23	8	57	-5	-5	-1
91 JM 167 S 2051	B	-5	-0.2	30	10	53	5	-5	-1
91 JM 167 S 2052	B	-5	-0.2	17	7	32	-5	-5	-1
91 JM 167 S 2053	B	-5	-0.2	103	9	29	-5	-5	-1
91 JM 167 S 2054	B	6	-0.2	86	8	34	-5	-5	-1
91 JM 167 S 2055	B	-5	-0.2	81	7	45	-5	-5	-1
91 JM 167 S 2056	B	-5	-0.2	47	11	310	-5	-5	-1
91 JM 167 S 2057	B	-5	-0.2	33	12	81	-5	-5	-1
91 JM 167 S 2058	B	-5	0.3	62	15	160	-5	-5	-1
91 JM 167 S 2059	B	-5	-0.2	33	27	77	-5	-5	-1
91 JM 167 S 2060	B	-5	-0.2	285	8	122	-5	-5	1
91 JM 167 S 2061	B	-5	-0.2	62	9	60	-5	-5	-1
91 JM 167 S 2062	B	-5	-0.2	72	8	70	10	-5	-1
91 JM 167 S 2063	B	-5	-0.2	129	12	183	-5	-5	-1
91 JM 167 S 2064	B	-5	-0.2	26	10	61	-5	-5	-1
91 JM 167 S 2065	B	-5	-0.2	62	10	92	21	-5	6
91 JM 167 S 2066	B	-5	-0.2	46	9	66	-5	-5	1
91 JM 167 S 2067	B	-5	-0.2	48	7	128	8	-5	-1
91 JM 167 S 2068	B	-5	-0.2	21	7	43	-5	-5	-1
91 JM 167 S 2069	B	-5	-0.2	34	7	92	18	-5	-1
91 JM 167 S 2070	B	-5	-0.2	40	12	201	-5	-5	-1
91 JM 167 S 2071	B	-5	-0.2	26	9	59	-5	-5	-1
91 JM 167 S 2072	B	-5	-0.2	52	6	99	-5	-5	-1
91 JM 167 S 2073	B	-5	-0.2	74	-2	132	10	-5	-1
91 JM 167 S 2074	B	-5	-0.2	25	7	29	32	-5	-1
91 JM 167 S 2075	B	-5	-0.2	45	-2	136	34	-5	-1

LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
ALL SOIL SAMPLES

SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 JM 167 S 2076	B	-5	-0.2	20	6	69	50	-5	-1
91 JM 167 S 2077	B	-5	-0.2	40	-2	190	15	-5	-1
91 JM 167 S 2078	B	-5	-0.2	54	-2	217	22	-5	-1
91 JM 167 S 2079	B	-5	-0.2	44	-2	233	43	-5	-1
91 JM 167 S 2080	B	-5	-0.2	54	-2	146	44	-5	-1
91 JM 167 S 2081	B	-5	-0.2	41	-2	126	35	-5	-1
91 JM 167 S 2082	B	24	-0.2	20	-2	171	40	-5	-1
91 JM 167 S 2083	B	6	-0.2	51	5	170	66	-5	2
91 JM 167 S 2084	B	12	-0.2	49	-2	199	16	-5	-1
91 JM 167 S 2085	B	-5	-0.2	24	-2	153	58	-5	-1
91 JM 167 S 2086	B	10	-0.2	129	92	286	33	-5	2
91 JM 167 S 2087	B	-5	-0.2	17	9	103	62	-5	-1
91 JM 167 S 2088	B	14	-0.2	27	-2	148	42	-5	-1
91 JM 167 S 2089	B	-5	-0.2	61	-2	236	36	-5	-1
91 JM 167 S 2090	B	-5	-0.2	1221	-2	181	55	-5	-1
91 JM 167 S 2091	B	-5	-0.2	121	-2	146	33	-5	-1
91 JM 167 S 2092	B	12	-0.2	71	-2	127	10	-5	2
91 JM 167 S 2093	B	-5	-0.2	66	5	122	55	-5	1
91 JM 167 S 2094	B	-5	-0.2	51	-2	148	64	-5	-1
91 JM 167 S 2095	B	-5	-0.2	24	-2	69	16	-5	-1
91 JM 167 S 2096	B	7	-0.2	41	4	67	49	-5	-1
91 JM 167 S 2097	B	-5	-0.2	92	-2	70	22	-5	-1
91 JM 167 S 2098	B	-5	-0.2	10	2	106	59	-5	-1
91 JM 167 S 2099	B	-5	-0.2	68	-2	64	51	-5	2
91 JM 167 S 2100	B	-5	-0.2	54	-2	67	33	-5	1
91 JM 167 S 2101	B	-5	-0.2	105	-2	66	13	-5	-1
91 JM 167 S 2102	B	-5	-0.2	41	-2	60	-5	-5	-1
91 JM 167 S 2103	B	-5	-0.2	47	-2	58	14	-5	-1
91 JM 167 S 2104	B	-5	-0.2	61	4	44	34	-5	-1
91 JM 167 S 2105	B	-5	-0.2	45	7	43	50	-5	-1
91 JM 167 S 2106	B	-5	-0.2	34	4	42	60	-5	-1
91 JM 167 S 2107	B	-5	-0.2	30	-2	47	38	-5	-1
91 JM 167 S 2108	B	-5	-0.2	56	-2	46	48	-5	-1
91 JM 167 S 2109	B	-5	-0.2	38	6	63	37	-5	-1
91 JM 167 S 2110	B	12	-0.2	348	8	47	29	-5	8
91 JM 167 S 2111	B	10	0.5	116	2	43	46	-5	4
91 JM 167 S 2112	B	11	-0.2	105	13	41	63	-5	12
91 JM 167 S 2113	B	-5	-0.2	100	-2	67	12	-5	2
91 JM 167 S 2114	B	-5	-0.2	34	-2	64	24	-5	-1
91 JM 167 S 2115	B	-5	-0.2	15	4	28	28	-5	2
91 JM 167 S 2116	B	-5	-0.2	48	3	69	42	-5	2
91 JM 167 S 2117	B	-5	-0.2	88	-2	68	34	-5	2
91 JM 167 S 2118	B	-5	-0.2	19	7	49	39	-5	3
91 JM 167 S 2119	B	-5	-0.2	52	3	70	25	-5	4
91 JM 167 S 2120	B	-5	-0.2	78	2	43	48	-5	4
91 JM 167 S 2121	B	-5	-0.2	49	-2	43	44	-5	2
91 JM 167 S 2122	B	-5	-0.2	26	-2	30	52	-5	1
91 JM 167 S 2123	B	-5	-0.2	28	-2	26	52	-5	2
91 JM 167 S 2124	B	6	-0.2	58	3	52	41	-5	-1
91 JM 167 S 2125	B	-5	-0.2	22	5	21	53	-5	-1
91 JM 167 S 2126	B	-5	-0.2	48	3	46	36	-5	-1
91 JM 167 S 2127	B	-5	-0.2	234	-2	216	21	-5	2

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SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 JM 167 S 2128	B	-5	-0.2	506	-2	193	14	-5	2
91 JM 167 S 2129	B	12	-0.2	58	-2	35	45	-5	1
91 JM 167 S 2130	B	7	-0.2	222	-2	69	16	-5	1
91 JM 167 S 2131	B	-5	-0.2	48	-2	45	47	-5	-1
91 JM 167 S 2132	B	-5	-0.2	104	-2	68	16	-5	-1
91 JM 167 S 2133	B	10	-0.2	19	4	70	28	-5	2
91 JM 167 S 2134	B	6	-0.2	26	4	67	39	-5	-1
91 JM 167 S 2135	B	-5	-0.2	23	5	68	27	-5	-1
91 JM 167 S 2136	B	-5	-0.2	68	-2	31	10	-5	-1
91 JM 167 S 2137	B	-5	-0.2	37	13	34	35	-5	-1
91 JM 167 S 2138	B	-5	-0.2	39	-2	60	-5	-5	-1
91 JM 167 S 2139	B	-5	-0.2	27	7	54	13	-5	-1
91 JM 167 S 2140	B	7	-0.2	10	-2	48	27	-5	-1
91 JM 167 S 2141	B	72	-0.2	18	4	37	36	-5	-1
91 JM 167 S 2142	B	9	0.4	72	-2	72	-5	-5	-1
91 JM 167 S 2143	B	-5	-0.2	17	3	28	26	-5	-1
91 JM 167 S 2144	B	-5	-0.2	14	13	30	25	-5	-1
91 JM 167 S 2145	B	-5	-0.2	78	-2	71	8	-5	-1
91 JM 167 S 2146	B	5	-0.2	269	-2	69	14	-5	-1
91 JM 167 S 2147	B	-5	-0.2	71	-2	116	55	-5	-1
91 JM 167 S 2148	B	-5	-0.2	86	2	479	-5	-5	-1
91 JM 167 S 2149	B	-5	-0.2	29	5	49	21	-5	-1
91 JM 167 S 2150	B	-5	-0.2	22	9	34	30	-5	-1
91 JM 167 S 2151	B	-5	-0.2	18	4	48	18	-5	-1
91 JM 167 S 2152	B	-5	-0.2	55	-2	56	39	-5	-1
91 JM 167 S 2153	B	-5	-0.2	33	-2	56	41	-5	-1
91 JM 167 S 2154	B	-5	-0.2	33	9	48	34	-5	-1
91 JM 167 S 2155	B	-5	-0.2	38	17	71	23	-5	-1
91 JM 167 S 2156	B	-5	-0.2	15	5	43	22	-5	1
91 JM 167 S 2157	B	-5	-0.2	30	4	52	5	-5	-1
91 JM 167 S 2158	B	-5	-0.2	23	4	48	31	-5	-1
91 JM 167 S 2159	B	-5	-0.2	24	6	50	24	-5	-1
91 IM 167 S 3250	B	-5	-0.2	13	-2	33	-5	-5	1
91 IM 167 S 3251	B	-5	-0.2	5	4	24	8	-5	3
91 IM 167 S 3252	B	-5	-0.2	6	-2	22	-5	-5	3
91 IM 167 S 3253	B	-5	-0.2	22	-2	48	10	-5	2
91 IM 167 S 3254	B	-5	-0.2	13	3	33	10	-5	1
91 IM 167 S 3255	B	-5	-0.2	24	9	40	-5	-5	3
91 JL 167 S 3341	B	-5	-0.2	28	4	44	24	-5	2
91 JL 167 S 3342	B	-5	-0.2	27	6	82	46	-5	2
91 JL 167 S 3343	B	-5	-0.2	39	15	100	77	15	4
91 JL 167 S 3345	B	-5	-0.2	40	10	60	30	6	3
91 JL 167 S 3347	B	-5	-0.2	28	9	49	40	8	3
91 JL 167 S 3348	B	-5	-0.2	92	13	53	64	12	5
91 JL 167 S 3349	B	-5	-0.2	21	14	221	40	9	3
91 JL 167 S 3350	B	-5	-0.2	17	10	75	35	6	3
91 JL 167 S 3351	B	-5	-0.2	17	7	78	19	-5	2
91 JL 167 S 3352	B	-5	-0.2	34	15	157	43	8	3
91 JL 167 S 3353	B	-5	-0.2	8	7	76	39	-5	1
91 JL 167 S 3354	B	-5	-0.2	8	27	118	94	14	4
91 JL 167 S 3355	B	-5	0.3	5	16	92	30	-5	3
91 JL 167 S 3356	B	-5	0.2	13	32	103	36	6	2

LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
ALL SOIL SAMPLES

SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 JL 167 S 3368	B	-5	-0.2	13	7	32	5	-5	3
91 JL 167 S 3369	B	-5	-0.2	117	7	65	6	-5	6
91 JL 167 S 3370	B	-5	-0.2	66	5	63	7	-5	2
91 JL 167 S 3372	B	-5	-0.2	33	7	77	-5	-5	3
91 JL 167 S 3373	B	-5	-0.2	14	6	56	-5	-5	3
91 JL 167 S 3374	B	-5	-0.2	32	6	72	-5	-5	4
91 JL 167 S 3375	B	-5	-0.2	8	3	36	-5	-5	1
91 JL 167 S 3376	B	6	-0.2	44	3	54	-5	-5	2
91 JL 167 S 3377	B	-5	-0.2	23	4	27	-5	-5	3
91 JL 167 S 3378	B	-5	-0.2	8	-2	47	-5	-5	1
91 JL 167 S 3379	B	-5	-0.2	23	4	30	5	-5	3
91 JL 167 S 3380	B	-5	-0.2	50	-2	53	6	-5	3
91 JL 167 S 3381	B	-5	-0.2	54	3	71	10	-5	3
91 JL 167 S 3382	B	-5	-0.2	108	4	41	-5	-5	4
91 JL 167 S 3383	B	-5	-0.2	14	3	31	-5	-5	2
91 JL 167 S 3384	B	-5	-0.2	18	7	62	13	-5	4
91 JL 167 S 3385	B	-5	-0.2	2	3	15	-5	-5	4
91 JL 167 S 3386	B	-5	-0.2	-1	4	32	-5	-5	4
91 JL 167 S 3387	B	-5	-0.2	2	3	46	6	-5	7
91 JL 167 S 3388	B	-5	-0.2	7	5	30	-5	-5	5
91 JL 167 S 3390	B	-5	-0.2	7	2	30	-5	-5	3
91 JL 167 S 3391	B	-5	-0.2	11	4	39	5	-5	5
91 JL 167 S 3392	B	-5	-0.2	13	3	18	29	-5	3
91 JL 167 S 3393	B	-5	-0.2	5	-2	31	-5	-5	4
91 JL 167 S 3394	B	-5	-0.2	9	-2	21	-5	-5	3
91 JL 167 S 3395	B	-5	-0.2	2	-2	26	-5	-5	2
91 JL 167 S 3396	B	-5	-0.2	5	2	40	-5	-5	3
91 JL 167 S 3398	B	-5	-0.2	3	2	25	-5	-5	3
91 JL 167 S 3399	B	-5	-0.2	8	3	21	10	-5	3
91 JL 167 S 3500	B	-5	-0.2	21	-2	59	-5	-5	2
91 JL 167 S 3502	B	-5	-0.2	21	-2	22	-5	-5	2
91 JL 167 S 3503	B	-5	-0.2	15	2	62	9	-5	3
91 JL 167 S 3504	B	-5	-0.2	44	2	29	9	-5	3
91 JL 167 S 3506	B	-5	-0.2	14	-2	88	-5	-5	3
91 JL 167 S 3507	B	-5	-0.2	27	-2	63	-5	-5	3
91 JL 167 S 3508	B	-5	-0.2	39	4	67	8	-5	4
91 JL 167 S 3509	B	-5	-0.2	4	2	41	-5	-5	5
91 JL 167 S 3510	B	-5	-0.2	9	7	38	-5	-5	6
91 JL 167 S 3512	B	-5	-0.2	31	4	56	14	-5	4
91 JL 167 S 3513	B	-5	-0.2	14	-2	45	-5	-5	3
91 JL 167 S 3514	B	-5	-0.2	21	5	65	-5	-5	2
91 JL 167 S 3516	B	16	-0.2	32	4	95	-5	-5	1
91 JL 167 S 3524	B	-5	-0.2	47	12	81	-5	-5	3
91 JL 167 S 3525	B	-5	-0.2	40	11	78	11	-5	2
91 JL 167 S 3526	B	-5	-0.2	35	19	68	13	6	3
91 JL 167 S 3527	B	-5	-0.2	38	15	114	-5	-5	2
91 JL 167 S 3528	B	-5	-0.2	41	15	76	10	6	3
91 JL 167 S 3529	B	-5	-0.2	48	15	121	-5	-5	2
91 JL 167 S 3530	B	-5	-0.2	26	11	38	5	-5	3
91 JL 167 S 3531	B	-5	-0.2	51	14	86	26	-5	4
91 JL 167 S 3532	B	-5	-0.2	22	12	63	11	-5	2
91 JL 167 S 3533	B	-5	-0.2	104	12	66	16	-5	5

LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
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SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 JL 167 S 3534	B	-5	-0.2	45	19	56	13	-5	4
91 JL 167 S 3535	B	-5	-0.2	50	14	131	-5	-5	2
91 JL 167 S 3536	B	-5	-0.2	37	20	66	45	-5	7
91 JL 167 S 3537	B	-5	-0.2	20	14	61	18	-5	6
91 JL 167 S 3538	B	-5	-0.2	9	12	39	-5	-5	4
91 JL 167 S 3539	B	-5	-0.2	13	14	33	14	-5	3
91 JL 167 S 3540	B	-5	-0.2	13	22	30	27	7	5
91 JL 167 S 3541	B	-5	-0.2	12	11	28	14	-5	3
91 JL 167 S 3542	B	-5	-0.2	36	12	39	8	-5	5
91 JL 167 S 3543	B	-5	-0.2	11	9	25	-5	-5	4
91 JL 167 S 3544	B	-5	-0.2	11	8	24	9	-5	2
91 JL 167 S 3545	B	-5	-0.2	12	4	19	-5	-5	1
91 JL 167 S 3546	B	-5	-0.2	21	8	32	-5	-5	2
91 JL 167 S 3547	B	5	-0.2	116	13	148	16	-5	2
91 JL 167 S 3548	B	-5	-0.2	14	9	34	12	-5	1
91 JL 167 S 3549	B	-5	-0.2	29	10	37	-5	-5	1
91 JL 167 S 3550	B	-5	-0.2	19	8	25	-5	-5	1
91 JL 167 S 3551	B	-5	-0.2	17	9	28	-5	-5	2
91 JL 167 S 3552	B	-5	-0.2	17	6	24	-5	-5	4
91 JL 167 S 3553	B	-5	-0.2	45	8	33	8	-5	2
91 JL 167 S 3554	B	-5	-0.2	32	3	42	-5	-5	2
91 JL 167 S 3555	B	-5	-0.2	53	5	49	30	-5	3
91 JL 167 S 3556	B	6	-0.2	26	4	51	14	-5	2

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LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
ALL MOSS MAT AND STREAM SILT SAMPLES

SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 AB 167 M 3001	B	18	-0.2	58	6	89	11	-5	1
91 AB 167 M 3002	B	31							
91 AB 167 M 3002	B	82							
91 AB 167 M 3002	B	1099	-0.2	53	5	78	10	-5	1
91 AB 167 M 3003	B	-5	-0.2	44	11	178	-5	-5	-1
91 AB 167 M 3005	B	20	-0.2	50	49	174	17	-5	4
91 AB 167 M 3006	B	-5	-0.2	43	5	84	-5	-5	-1
91 AB 167 M 3007	B	-5	-0.2	41	5	94	-5	-5	-1
91 AB 167 M 3008	B	-5	-0.2	69	5	102	-5	-5	-1
91 AB 167 M 3009	B	-5	-0.2	45	19	317	21	-5	1
91 AB 167 M 3010	B	10	-0.2	51	5	119	5	-5	-1
91 AB 167 M 3011	B	-5	-0.2	29	8	203	8	-5	-1
91 AB 167 M 3012	B	-5	-0.2	4	-2	26	8	-5	-1
91 AB 167 M 3013	B	16	-0.2	55	7	122	-5	-5	-1
91 AB 167 M 3014	B	6	-0.2	46	6	111	-5	-5	-1
91 AB 167 M 3020	B	-5	-0.2	47	18	311	10	-5	-1
91 AB 167 M 3021	B	-5	-0.2	36	8	153	-5	-5	-1
91 AB 167 M 3028	B	-5	-0.2	44	10	273	14	-5	-1
91 AT 167 M 3101	B	-5	-0.2	35	5	45	8	-5	3
91 IM 167 M 3200	B	-5	0.2	15	9	160	6	-5	-1
91 IM 167 M 3201	B	-5	-0.2	23	8	135	-5	-5	-1
91 IM 167 M 3202	B	10	-0.2	17	6	45	6	-5	-1
91 IM 167 M 3203	B	-5	-0.2	27	6	105	9	-5	-1
91 IM 167 M 3204	B	6	-0.2	33	10	157	13	-5	-1
91 IM 167 M 3205	B	-5	-0.2	34	7	41	-5	-5	3
91 IM 167 M 3206	B	IS	-0.2	33	9	118	11	-5	2
91 IM 167 M 3207	B	-5	-0.2	43	3	94	9	-5	1
91 IM 167 M 3208	B	-5	-0.2	44	2	98	-5	-5	-1
91 IM 167 M 3209	B	-5	-0.2	24	6	107	10	-5	-1
91 IM 167 M 3210	B	-5	-0.2	41	9	117	5	-5	-1
91 IM 167 M 3211	B	IS	-0.2	28	8	129	-5	-5	-1
91 IM 167 M 3212	B	IS	-0.2	31	8	153	7	-5	-1
91 IM 167 M 3213	B	-5	-0.2	70	13	125	10	-5	1
91 IM 167 M 3214	B	-5	-0.2	65	5	147	-5	-5	-1
91 IM 167 M 3215	B	-5	-0.2	25	8	156	7	-5	-1
91 IM 167 M 3216	B	-5	-0.2	38	9	134	7	-5	-1
91 IM 167 M 3217	B	-5	0.3	25	15	342	-5	-5	1
91 IM 167 M 3218	B	7	-0.2	50	-2	135	-5	-5	-1
91 IM 167 M 3219	B	-5	-0.2	43	22	211	23	-5	2
91 IM 167 M 3220	B	-5	-0.2	9	12	69	18	-5	2
91 IM 167 M 3221	B	-5	-0.2	48	6	114	22	-5	1
91 IM 167 M 3222	B	-5	-0.2	24	78	212	37	6	2
91 IM 167 M 3223	B	-5	-0.2	14	5	150	-5	-5	-1
91 IM 167 M 3224	B	-5	-0.2	27	8	140	15	-5	1
91 IM 167 M 3225	B	-5	-0.2	29	9	134	16	-5	1
91 IM 167 M 3226	B	8	-0.2	17	17	93	20	-5	1
91 IM 167 M 3227	B	-5	-0.2	12	16	121	19	-5	2
91 IM 167 M 3228	B	-5	-0.2	11	14	134	19	-5	2
91 IM 167 M 3229	B	-5	-0.2	15	5	100	14	-5	1
91 IM 167 M 3235	B	-5	-0.2	25	9	121	-5	-5	2
91 IM 167 M 3236	B	-5	-0.2	37	4	127	10	-5	3
91 IM 167 M 3237	B	-5	-0.2	41	4	81	8	-5	2

LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
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SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 IM 167 M 3256	B	-5	-0.2	71	6	158	21	-5	2
91 IM 167 M 3257	B	-5	-0.2	7	3	64	-5	-5	1
91 IM 167 M 3297	B	-5	-0.2	49	5	92	-5	-5	-1
91 IM 167 M 3298	B	-5	-0.2	60	2	73	-5	-5	-1
91 IM 167 M 3299	B	-5	-0.2	174	-2	111	9	-5	-1
91 JL 167 M 3300	B	-5	-0.2	50	5	48	-5	-5	1
91 JL 167 M 3301	B	-5	-0.2	49	11	159	9	-5	-1
91 JL 167 M 3302	B	-5	-0.2	60	5	129	7	-5	-1
91 JL 167 M 3303	B	-5	-0.2	63	8	114	5	-5	-1
91 JL 167 M 3304	B	10	-0.2	77	9	115	8	-5	1
91 JL 167 M 3305	B	8	-0.2	52	8	77	11	-5	5
91 JL 167 M 3306	B	-5	-0.2	25	6	26	5	-5	4
91 JL 167 M 3307	B	-5	-0.2	45	6	56	7	-5	3
91 JL 167 M 3308	B	-5	-0.2	17	18	167	15	-5	-1
91 JL 167 M 3309	B	-5	-0.2	29	7	76	13	-5	-1
91 JL 167 M 3310	B	-5	-0.2	20	11	114	11	-5	-1
91 JL 167 M 3311	B	-5	-0.2	24	14	161	10	-5	-1
91 JL 167 M 3312	B	-5	-0.2	73	8	124	7	-5	-1
91 JL 167 M 3313	B	-5	-0.2	25	10	150	8	-5	-1
91 JL 167 M 3314	B	-5	-0.2	36	6	90	5	-5	-1
91 JL 167 M 3315	B	14	-0.2	34	5	76	11	-5	-1
91 JL 167 M 3316	B	-5	-0.2	24	6	65	-5	-5	-1
91 JL 167 M 3317	B	-5	-0.2	32	5	69	-5	-5	-1
91 JL 167 M 3318	B	42	-0.2	34	8	86	8	-5	-1
91 JL 167 M 3319	B	-5	-0.2	30	4	50	6	-5	-1
91 JL 167 M 3320	B	-5	-0.2	21	5	80	10	-5	-1
91 JL 167 M 3321	B	-5	-0.2	32	5	64	-5	-5	-1
91 JL 167 M 3322	B	-5	-0.2	49	7	153	8	-5	-1
91 JL 167 M 3323	B	-5	-0.2	30	7	127	6	-5	-1
91 JL 167 M 3324	B	-5	-0.2	24	6	81	-5	-5	-1
91 JL 167 M 3325	B	-5	-0.2	28	6	67	6	-5	-1
91 JL 167 M 3331	B	-5	-0.2	26	10	147	12	-5	-1
91 DK 167 M 3400	B	74	-0.2	26	11	163	14	-5	1
91 DK 167 M 3401	B	-5	-0.2	47	33	1264	30	-5	4
91 DK 167 M 3402	B	8	-0.2	21	10	149	8	-5	-1
91 DK 167 M 3403	B	-5	-0.2	26	10	196	7	-5	1
91 DK 167 M 3404	B	-5	-0.2	16	4	127	-5	-5	-1
91 DK 167 M 3405	B	16	-0.2	12	7	102	-5	-5	-1
91 DK 167 M 3406	B	-5	-0.2	49	19	225	-5	-5	-1
91 DK 167 M 3407	B	-5	-0.2	37	4	118	-5	-5	-1
91 DK 167 M 3408	B	-5	-0.2	19	17	281	-5	-5	-1
91 DK 167 M 3432	B	-5	-0.2	35	4	99	-5	-5	3
91 CK 167 M 3562	B	6	-0.2	45	7	116	12	-5	-1
91 CK 167 M 3563	B	27	-0.2	48	5	116	-5	-5	-1
91 CK 167 M 3564	B	6	-0.2	51	6	124	-5	-5	-1
91 CK 167 M 3565	B	6	-0.2	46	6	112	6	-5	-1
91 IM 167 M 3600	B	-5	-0.2	66	3	74	6	-5	-1
91 IM 167 M 3601	B	-5	-0.2	46	4	177	6	-5	-1
91 IM 167 M 3602	B	-5	-0.2	65	2	104	-5	-5	-1
91 IM 167 M 3603	B	-5	-0.2	92	-2	42	12	-5	-1
91 IM 167 M 3604	B	-5	-0.2	21	-2	69	-5	-5	-1
91 IM 167 M 3605	B	-5	-0.2	19	-2	118	9	-5	-1

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SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 IM 167 M 3606	B	-5	-0.2	39	-2	51	-5	-5	-1
91 IM 167 M 3607	B	-5	-0.2	45	3	121	17	-5	-1
91 IM 167 M 3608	B	-5	-0.2	15	8	110	11	-5	-1
91 IM 167 M 3609	B	-5	-0.2	17	4	109	5	-5	-1
91 IM 167 M 3610	B	-5	-0.2	16	8	120	-5	-5	-1
91 IM 167 M 3611	B	-5	-0.2	26	3	103	-5	-5	-1
91 IM 167 M 3612	B	-5	-0.2	31	4	72	9	-5	-1
91 IM 167 M 3613	B	-5	-0.2	31	5	84	-5	-5	-1
91 IM 167 M 3614	B	-5	-0.2	28	4	109	-5	-5	-1
91 IM 167 M 3615	B	-5	-0.2	44	-2	112	11	-5	-1
91 IM 167 M 3616	B	-5	-0.2	43	2	93	6	-5	-1
91 IM 167 M 3617	B	-5	-0.2	37	2	84	11	-5	-1
91 IM 167 M 3618	B	-5	-0.2	24	-2	74	-5	-5	-1
91 IM 167 M 3619	B	-5	-0.2	40	-2	101	-5	-5	-1
91 IM 167 M 3620	B	-5	-0.2	42	-2	78	-5	-5	-1
91 IM 167 M 3621	B	-5	-0.2	52	-2	58	8	-5	-1
91 IM 167 M 3622	B	-5	-0.2	27	-2	88	-5	-5	-1
91 IM 167 M 3623	B	-5	-0.2	58	7	58	-5	-5	-1
91 IM 167 M 3624	B	-5	-0.2	25	-2	70	-5	-5	-1
91 AT 167 M 3772	B	-5	-0.2	29	2	72	-5	-5	-1
91 AT 167 M 3773	B	-5	-0.2	34	-2	63	-5	-5	-1
91 AT 167 M 3871	B	-5	-0.2	46	-2	192	-5	-5	1
91 AT 167 M 3872	B	10	0.2	42	6	195	12	-5	-1
91 AT 167 M 3873	B	30	0.2	40	9	244	12	-5	-1
91 AT 167 M 3874	B	20	0.5	22	13	172	6	-5	-1
91 AT 167 M 3881	B	-5	-0.2	85	-2	92	10	-5	-1
91 AB 167 M 3943	B	-5	-0.2	60	7	128	-5	-5	1
91 AT 167 M 3995	B	-5	-0.2	39	15	202	16	-5	-1
91 CK 167 M 4013	B	-5	-0.2	21	8	39	-5	-5	-1
91 CK 167 M 4014	B	-5	-0.2	8	8	56	-5	-5	1
91 CK 167 M 4015	B	-5	-0.2	13	8	38	-5	-5	2
91 CK 167 M 4016	B	-5	-0.2	17	4	16	-5	-5	3

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LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
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SAMPLE IDENTIFIER	lab code	01 Cu %	02 Zn %	03 Zn %	*AU g/tonne	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 AT 167 R 125226	B	0.12				11	1.0	1081	21	14240	108	12	-1
91 AT 167 R 125227	B	0.18				-5	0.3	1620	-2	512	-5	-5	2
91 AT 167 R 125228	B	0.33				20	8.3	3107	4	264	7	-5	1
91 CK 167 C 125229	B					11	1.2	979	-2	83	23	-5	1
91 CK 167 C 125230	B					13	-0.2	891	-2	146	-5	-5	2
91 CK 167 C 125231	B	0.12				12	-0.2	1091	-2	171	18	-5	5
91 CK 167 C 125232	B					7	-0.2	840	-2	143	8	-5	3
91 CK 167 C 125233	B					7	-0.2	346	-2	115	28	-5	2
91 CK 167 C 125234	B					7	-0.2	337	-2	114	36	-5	2
91 CK 167 C 125235	B					-5	0.5	908	6	54	31	-5	1
91 CK 167 C 125236	B					-5	1.8	863	-2	100	30	-5	2
91 CK 167 C 125237	B					-5	1.9	588	2	96	46	-5	-1
91 CK 167 R 125351	B					7	-0.2	34	11	93	-5	-5	5
91 CK 167 R 125352	B					-5	-0.2	43	13	16	6	-5	8
91 CK 167 F 125356	B	0.64				-5	1.5	6387	5	59	15	-5	22
91 CK 167 R 125357	B					-5	-0.2	83	27	129	-5	-5	2
91 CK 167 R 125358	B	0.13				-5	-0.2	1236	6	78	-5	-5	3
91 CK 167 R 125359	B	0.14				-5	-0.2	1333	4	73	-5	-5	2
91 CK 167 R 125360	B					-5	-0.2	149	-2	82	-5	-5	1
91 CK 167 R 125361	B					-5	-0.2	104	-2	114	-5	-5	-1
91 CK 167 R 125362	B	0.16				-5	-0.2	1559	-2	29	-5	-5	-1
91 CK 167 R 125363	B					-5	-0.2	187	4	43	-5	-5	-1
91 CK 167 R 125364	B					-5	-0.2	2	7	80	-5	-5	-1
91 CK 167 R 125365	B					-5	-0.2	100	6	115	-5	-5	1
91 CK 167 R 125366	B	0.26				-5	0.8	2668	5	37	-5	-5	-1
91 CK 167 R 125367	B	0.49				-5	1.6	5286	2	32	-5	-5	-1
91 JM 167 R 125376	B					-5	-0.2	356	11	4	-5	-5	7
91 JM 167 R 125377	B	0.14				30	-0.2	1424	14	68	9	-5	5
91 JM 167 R 125378	B	0.11				20	0.4	1111	15	58	14	-5	65
91 JM 167 R 125379	B					-5	-0.2	91	9	226	-5	-5	-1
91 JM 167 R 125380	B	0.12				12	-0.2	1104	11	118	-5	-5	1
91 JM 167 R 125381	B	0.14				-5	-0.2	1288	-2	50	-5	-5	3
91 JM 167 R 125382	B					-5	-0.2	233	-2	120	-5	-5	-1
91 JM 167 C 125383	B					-5	-0.2	118	4	60	-5	-5	-1
91 JM 167 C 125384	B					-5	-0.2	74	-2	73	17	-5	3
91 JM 167 C 125385	B					-5	0.2	262	5	50	11	-5	7
91 JM 167 C 125386	B					-5	-0.2	220	6	73	10	-5	9
91 JM 167 C 125387	B					-5	-0.2	190	4	59	-5	-5	-1
91 JM 167 C 125388	B					-5	-0.2	163	2	73	-5	-5	-1
91 JM 167 C 125389	B					-5	-0.2	128	2	77	-5	-5	-1
91 JM 167 C 125390	B					-5	0.2	372	4	65	-5	-5	-1
91 JM 167 C 125391	B					-5	0.8	788	-2	42	8	-5	-1
91 JM 167 C 125392	B	0.95				-5	2.4	5271	5	24	-5	-5	-1
91 JM 167 C 125393	B					-5	0.4	652	3	37	-5	-5	-1
91 JM 167 C 125394	B					-5	0.2	449	-2	39	-5	-5	-1
91 JM 167 C 125395	B	0.04				-5	0.2	332	5	43	-5	-5	-1
91 JM 167 C 125396	B					-5	-0.2	236	5	71	13	-5	-1
91 JM 167 C 125397	B					-5	0.2	452	4	54	8	-5	-1
91 JM 167 C 125398	B	0.17				-5	0.7	1553	5	50	11	-5	-1
91 JM 167 C 125399	B					-5	0.2	420	4	53	15	-5	-1
91 AB 167 C 125401	B	-0.01				-5	-0.2	25	13	16	-5	-5	10
91 AB 167 C 125402	B	0.22				-5	0.5	2128	7	51	-5	-5	5

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SAMPLE IDENTIFIER	lab code	01 Cu %	02 Zn %	03 Zn %	%AU g/tonne	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 AB 167 C 125403	B	0.04				-5	-0.2	391	-2	95	-5	-5	1
91 AB 167 C 125404	B	0.06				-5	-0.2	697	4	113	-5	-5	-1
91 AB 167 C 125405	B	0.05				-5	-0.2	524	5	103	-5	-5	-1
91 AB 167 C 125406	B	0.02				-5	-0.2	209	-2	109	-5	-5	-1
91 AB 167 C 125407	B	-0.01				-5	-0.2	120	-2	76	-5	-5	-1
91 AB 167 C 125409	B					-5	-0.2	7	-2	3	-5	-5	2
91 AB 167 C 125410	B					-5	-0.2	5	-2	1	6	-5	3
91 AB 167 C 125411	B					-5	-0.2	5	-2	-1	6	-5	2
91 AB 167 C 125413	B					-5	-0.2	4	-2	-1	-5	-5	2
91 AB 167 C 125414	B					-5	-0.2	4	-2	-1	-5	-5	4
91 AB 167 R 125416	B					19	-0.2	47	-2	107	-5	-5	-1
91 AB 167 R 125417	B					-5	-0.2	15	-2	26	8	-5	-1
91 CK 167 R 125957	B					11	-0.2	31	12	22	-5	-5	2
91 CK 167 R 125976	B					-5	-0.2	6	3	40	-5	-5	-1
91 CK 167 R 125977	B					7	-0.2	193	21	164	5	-5	-1
91 CK 167 R 125978	B					8	2.3	5005	3	110	-5	-5	-1
91 CK 167 R 125979	B					-5	-0.2	169	7	168	-5	-5	-1
91 CK 167 R 125980	B					-5	-0.2	198	-2	96	-5	-5	-1
91 CK 167 R 125981	B					9	3.7	7300	8	-1	65	-5	36
91 CK 167 R 125982	B					16	16.6	57	4	-1	-5	-5	-1
91 AB 167 C 126042	B	2.95	-9	-9		16	4.5	20000	7	14	-5	-5	17
91 AB 167 C 126043	B	0.52	-9	-9		-5	-0.2	4509	7	65	-5	-5	-1
91 AB 167 C 126044	B	2.18	-9	-9		12	1.7	18129	5	28	-5	-5	1
91 AB 167 C 126045	B	0.24	-9	-9		23	-0.2	2073	6	98	-5	-5	-1
91 AB 167 C 126046	B	0.13	-9	-9		12	-0.2	1131	6	90	-5	-5	-1
91 AB 167 C 126047	B					-5	-0.2	896	5	112	-5	-5	1
91 AB 167 C 126048	B					-5	-0.2	364	4	111	-5	-5	-1
91 AB 167 R 126049	B	0.12	-9	-9		-5	0.3	1144	-2	59	-5	-5	2
91 AB 167 R 126050	B					-5	-0.2	4	-2	-1	-5	-5	-1
91 AB 167 R 126076	B					-5	0.3	19	20	13	15	-5	14
91 AB 167 R 126077	B					-5	-0.2	11	14	6	10	-5	8
91 AB 167 R 126080	B					-5	-0.2	74	9	31	6	-5	6
91 AT 167 F 126138	B	0.24	-9	-9		-5	2.3	2032	228	382	-5	-5	-1
91 AT 167 F 126139	B					-5	-0.2	27	4	8	-5	-5	3
91 AT 167 R 126140	B	0.73	13.32	-9		821	48.7	6201	618	20000	47	17	33
91 AT 167 R 126141	B					-5	1.0	162	87	1913	-5	-5	2
91 AT 167 R 126142	B	0.27	-9	22.02		785	36.8	2341	354	20000	35	36	38
91 AT 167 R 126143	B	0.13	-9	-9		-5	0.8	1243	6	699	102	21	3
91 AT 167 R 126144	B	0.15	-9	-9		24	2.3	1415	24	6031	109	21	6
91 AT 167 R 126145	B					-5	0.4	363	7	50	-5	-5	8
91 AT 167 R 126148	B					140	-0.2	10	22	53	83	13	3
91 AT 167 R 126149	B	0.15				-5	-0.2	1386	8	110	-5	-5	-1
91 AT 167 R 126150	B					-5	-0.2	569	-2	115	-5	-5	-1
91 AT 167 R 126151	B					-5	-0.2	40	2	5	-5	-5	6
91 AT 167 R 126152	B					-5	-0.2	72	8	110	-5	-5	1
91 AT 167 R 126153	B					-5	-0.2	31	6	19	11	-5	1
91 AT 167 R 126154	B					-5	-0.2	23	-2	3	-5	-5	-1
91 AT 167 F 126155	B					-5	-0.2	16	6	-1	-5	-5	3
91 AT 167 R 126156	B					86	3.4	54	5	-1	58	-5	5
91 AT 167 R 126157	B					22	0.4	28	125	307	18	-5	10
91 AT 167 F 126158	B					-5	-0.2	8	12	101	-5	-5	1
91 AT 167 R 126159	B	0.11				-5	-0.2	1100	3	37	-5	-5	-1

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SAMPLE IDENTIFIER	lab code	01 Cu %	02 Zn %	03 Zn %	%AU g/tonne	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 AT 167 R 126159	M	0.107					0.5	1087	6	33	9	1	1
91 AT 167 R 126160	B					-5	-0.2	66	6	287	-5	-5	-1
91 AT 167 R 126161	B					-5	-0.2	12	7	3	-5	-5	-1
91 DK 167 R 131251	B					-5	-0.2	59	10	102	30	-5	1
91 DK 167 R 131252	B					-5	-0.2	3	5	27	-5	-5	-1
91 DK 167 C 131253	B					-5	-0.2	106	13	82	12	-5	-1
91 DK 167 C 131254	B					-5	-0.2	53	13	78	-5	-5	-1
91 DK 167 C 131255	B					-5	-0.2	34	11	47	24	-5	-1
91 DK 167 C 131256	B					11	-0.2	8	12	56	21	-5	-1
91 DK 167 C 131257	B					33	-0.2	15	16	46	39	-5	6
91 DK 167 C 131258	B					-5	-0.2	14	10	53	13	-5	4
91 DK 167 C 131259	B	0.12				-5	-0.2	1133	16	44	38	-5	30
91 DK 167 C 131259	M	0.128					0.1	1097	15	38	29	1	28
91 DK 167 C 131260	B					-5	-0.2	380	13	43	-5	-5	2
91 DK 167 C 131261	B	0.72				-5	0.2	6192	15	59	-5	-5	-1
91 DK 167 C 131261	M	0.72					0.7	6654	10	56	1	1	1
91 DK 167 C 131262	B					-5	-0.2	877	19	58	7	-5	5
91 DK 167 R 131263	B					11	-0.2	28	29	98	35	-5	3
91 DK 167 C 131264	B					-5	-0.2	185	15	118	8	-5	6
91 DK 167 C 131265	B					-5	-0.2	52	18	146	13	-5	4
91 DK 167 C 131266	B					-5	-0.2	55	17	127	9	-5	2
91 DK 167 C 131267	B					-5	-0.2	178	18	149	20	-5	2
91 DK 167 C 131268	B					-5	-0.2	216	18	202	10	-5	2
91 DK 167 C 131269	B					7	-0.2	950	16	120	7	-5	1
91 DK 167 C 131270	B	0.2				7	-0.2	1837	14	118	43	-5	3
91 DK 167 C 131270	M	0.204					0.1	1845	15	103	32	1	1
91 DK 167 C 131271	B					-5	-0.2	44	8	77	5	-5	-1
91 DK 167 C 131272	B					-5	-0.2	76	6	32	16	-5	5
91 DK 167 C 131273	B					8	0.2	756	31	30	35	-5	10
91 DK 167 C 131274	B					6	-0.2	40	31	52	27	-5	2
91 DK 167 C 131275	B					-5	-0.2	202	7	6	27	-5	28
91 DK 167 C 131276	B					-5	0.2	156	29	3	164	-5	49
91 DK 167 C 131277	B					-5	0.5	439	22	2	108	-5	61
91 DK 167 C 131278	B					6	0.3	445	10	2	92	-5	63
91 DK 167 C 131279	B					-5	0.4	575	10	4	57	-5	22
91 DK 167 C 131280	B					-5	-0.2	180	14	7	66	-5	20
91 DK 167 C 131281	B					-5	0.3	145	15	7	63	-5	12
91 DK 167 C 131282	B					-5	0.6	854	15	6	61	-5	20
91 DK 167 C 131283	B					-5	-0.2	135	11	79	-5	-5	3
91 DK 167 C 131284	B					18	-0.2	12	12	68	-5	-5	10
91 DK 167 C 131285	B					-5	-0.2	7	5	11	-5	-5	3
91 DK 167 C 131286	B					8	-0.2	5	6	16	-5	-5	3
91 DK 167 R 131287	B					-5	-0.2	4	5	50	-5	-5	2
91 DK 167 R 131288	B					-5	-0.2	2	12	88	-5	-5	2
91 DK 167 R 131289	B					-5	-0.2	8	20	60	18	-5	3
91 DK 167 R 131290	B					-5	-0.2	547	12	56	9	-5	1
91 DK 167 R 131291	B					-5	-0.2	302	10	97	-5	-5	-1
91 DK 167 C 131292	B					-5	-0.2	533	11	121	9	-5	3
91 DK 167 C 131293	B					-5	-0.2	454	12	114	-5	-5	2
91 DK 167 C 131294	B					-5	-0.2	20	20	85	6	-5	2
91 DK 167 C 131295	B					-5	-0.2	28	14	58	17	-5	2
91 DK 167 C 131296	B					-5	-0.2	19	11	160	25	-5	2

LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
ALL ROCK SAMPLES

SAMPLE IDENTIFIER	lab code	01 Cu %	02 Zn %	03 Zn %	*AU g/tonne	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 DK 167 R 131297	B					-5	-0.2	4	5	14	17	-5	2
91 DK 167 R 131297	B					-5	-0.2	4	5	14	17	-5	2
91 IM 167 C 131301	B					-5	1.4	528	480	42	6	-5	1
91 IM 167 C 131302	B	0.11				-5	1.6	1070	392	37	-5	-5	26
91 IM 167 C 131302	M	0.114					2.5	1121	392	36	10	1	26
91 IM 167 C 131303	B	0.19				-5	1.1	1746	229	105	6	-5	1
91 IM 167 C 131303	M	0.191					2.4	1813	226	92	7	1	1
91 IM 167 C 131304	B	0.15				-5	0.7	1337	116	121	-5	-5	-1
91 IM 167 C 131304	M	0.145					1.9	1397	116	107	9	1	1
91 IM 167 C 131305	B					-5	-0.2	242	23	199	10	-5	-1
91 IM 167 R 131306	B	0.15				-5	0.9	1430	453	559	-5	-5	-1
91 IM 167 R 131306	M	0.155					2.5	1388	383	462	4	1	1
91 IM 167 R 131307	B					10	-0.2	187	6	10	34	-5	11
91 IM 167 R 131308	B	0.12				-5	-0.2	1159	15	30	6	-5	106
91 IM 167 R 131308	M	0.119					0.8	1109	15	26	3	1	106
91 IM 167 R 131309	B					-5	-0.2	36	7	34	-5	-5	28
91 IM 167 F 131310	B					-5	3.7	23	10	51	60	-5	1
91 IM 167 R 131311	B					-5	0.4	15	46	2	20	-5	2
91 IM 167 R 131312	B					11	-0.2	36	10	28	14	-5	17
91 IM 167 R 131313	B					-5	-0.2	133	5	89	-5	-5	1
91 IM 167 R 131314	B	0.32				-5	-0.2	2833	13	61	-5	-5	1
91 IM 167 R 131314	M	0.346					0.6	2985	15	55	1	1	1
91 IM 167 R 131315	B					17	-0.2	157	9	18	-5	-5	6
91 IM 167 C 131316	B	0.17				-5	0.7	1668	11	3	69	-5	21
91 IM 167 C 131316	M	0.176					1.2	1838	14	10	65	3	23
91 IM 167 C 131317	B	0.15				-5	0.5	1447	10	22	45	-5	14
91 IM 167 C 131317	M	0.146					0.7	1439	11	24	44	1	13
91 IM 167 C 131318	B					-5	-0.2	55	7	20	44	-5	4
91 IM 167 R 131319	B					-5	-0.2	69	16	709	-5	-5	1
91 IM 167 R 131320	B	0.51				11	-0.2	4595	7	42	14	-5	5
91 IM 167 R 131320	M	0.539					0.1	5008	13	42	14	1	1
91 IM 167 R 131321	B					-5	-0.2	830	17	100	-5	-5	3
91 IM 167 R 131322	B	0.73				-5	33.0	5967	45	10	37	10	2
91 IM 167 R 131322	M	0.735					36.8	6158	44	13	8	1	1
91 IM 167 R 131323	M	0.051					1.2	540	6	22	1	1	1
91 IM 167 R 131325	B					-5	0.4	804	4	22	27	-5	10
91 IM 167 R 131326	B					-5	-0.2	12	12	51	24	-5	15
91 IM 167 R 131327	B	0.01				-5	-0.2	130	7	69	-5	-5	2
91 IM 167 R 131327	M	0.013					1.1	163	1	65	1	1	1
91 IM 167 R 131328	B	0.02				-5	-0.2	166	11	78	22	-5	2
91 IM 167 R 131329	B					-5	-0.2	187	11	104	-5	-5	2
91 IM 167 R 131330	B	-0.01				-5	-0.2	27	19	113	27	-5	2
91 IM 167 R 131330	M	0.002					1.0	35	1	91	1	1	1
91 IM 167 R 131331	B					-5	-0.2	77	12	120	6	-5	1
91 IM 167 R 131332	B					-5	-0.2	11	10	12	25	-5	3
91 IM 167 R 131333	B					-5	-0.2	48	12	13	-5	-5	2
91 IM 167 F 131334	B					-5	-0.2	14	18	13	-5	-5	-1
91 IM 167 R 131337	M	0.102					0.8	1041	10	36	24	1	8
91 IM 167 R 131339	M	0.184					1.6	1766	11	34	18	2	15
91 IM 167 R 131340	M	0.214					1.6	2139	14	23	13	1	3
91 IM 167 R 131341	B					-5	-0.2	12	-2	141	-5	-5	3
91 IM 167 R 131342	B					-5	-0.2	383	3	18	24	-5	5

LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
ALL ROCK SAMPLES

SAMPLE IDENTIFIER	lab code	01 Cu %	02 Zn %	03 Zn %	$AU g/tonne	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 IM 167 R 131343	B					17	0.3	3578	-2	16	-5	42	4
91 IM 167 R 131344	B					-5	-0.2	463	-2	7	-5	145	3
91 IM 167 R 131345	B					-5	-0.2	331	-2	6	-5	-5	3
91 IM 167 R 131346	B					-5	-0.2	4	-2	28	-5	-5	-1
91 IM 167 R 131347	B					10	-0.2	7	4	7	-5	-5	3
91 IM 167 R 131348	B					-5	-0.2	3	-2	28	-5	-5	-1
91 IM 167 F 131349	B					94	-0.2	2454	3	12	-5	-5	-1
91 IM 167 R 131350	B					-5	-0.2	20	-2	14	10	-5	1
91 IM 167 R 131351	B					-5	-0.2	8	-2	43	-5	-5	2
91 IM 167 R 131352	B					-5	-0.2	20	-2	18	5	-5	-1
91 IM 167 R 131353	B					-5	-0.2	335	5	103	-5	-5	-1
91 IM 167 R 131354	B					-5	-0.2	269	4	58	-5	-5	-1
91 IM 167 R 131355	B					-5	-0.2	45	3	66	-5	-5	-1
91 IM 167 R 131356	B					-5	-0.2	10	-2	89	-5	-5	-1
91 IM 167 R 131357	B					-5	-0.2	658	-2	150	-5	-5	-1
91 IM 167 R 131358	B	5.96				154	10.7	20000	50	-1	-5	9	-1
91 IM 167 R 131358	M	6.93					14.3	53137	73	12	1	27	1
91 IM 167 R 131359	B					-5	-0.2	516	-2	81	-5	-5	-1
91 IM 167 R 131360	B					-5	-0.2	600	7	131	-5	-5	7
91 IM 167 F 131361	B					-5	-0.2	34	-2	26	-5	-5	3
91 IM 167 R 131362	B					7	-0.2	12	7	-1	-5	-5	6
91 IM 167 R 131363	B					-5	-0.2	22	16	41	-5	-5	8
91 IM 167 R 131364	B					-5	-0.2	34	2	25	-5	-5	-1
91 IM 167 R 131365	B					-5	-0.2	315	5	131	-5	-5	-1
91 IM 167 R 131366	B					-5	-0.2	1139	3	170	-5	-5	-1
91 IM 167 R 131367	B					17	2.6	16104	10	75	-5	-5	1
91 IM 167 R 131368	B					-5	-0.2	590	4	199	-5	-5	-1
91 JM 167 C 131451	B					-5	-0.2	30	-2	90	9	-5	2
91 JM 167 C 131452	B					-5	-0.2	12	-2	82	-5	-5	-1
91 JM 167 C 131453	B					-5	-0.2	71	-2	83	-5	-5	-1
91 JM 167 C 131454	B					-5	-0.2	48	-2	62	-5	-5	-1
91 JM 167 C 131455	B					-5	-0.2	19	-2	91	-5	-5	-1
91 JM 167 C 131456	B					-5	-0.2	52	-2	91	-5	-5	-1
91 JM 167 C 131457	B					-5	-0.2	157	-2	117	-5	-5	1
91 JM 167 C 131458	B					-5	-0.2	56	-2	91	-5	-5	-1
91 JM 167 C 131459	B					-5	-0.2	187	-2	90	5	-5	1
91 JM 167 C 131460	B					-5	-0.2	30	-2	102	-5	-5	-1
91 JM 167 C 131461	B					-5	-0.2	36	6	111	6	-5	1
91 JM 167 C 131462	B	0.29				-5	0.2	2695	3	71	-5	-5	5
91 JM 167 C 131463	B	0.63				-5	0.6	5842	-2	87	-5	-5	6
91 JM 167 C 131464	B	0.54				-5	1.0	5051	3	59	11	-5	6
91 JM 167 C 131465	B	0.19				-5	0.2	1668	2	66	13	-5	5
91 JM 167 C 131466	B					-5	-0.2	846	-2	55	9	-5	1
91 JM 167 C 131467	B					-5	-0.2	751	-2	77	6	-5	2
91 JM 167 C 131468	B	0.14				-5	0.4	1267	-2	84	-5	-5	-1
91 JM 167 C 131469	B					6	-0.2	403	-2	87	-5	-5	2
91 JM 167 C 131470	B					10	0.4	310	-2	60	6	-5	2
91 JM 167 C 131471	B					13	-0.2	896	-2	143	17	-5	1
91 JM 167 C 131472	B					22	-0.2	349	-2	138	47	-5	7
91 JM 167 C 131473	B					16	-0.2	485	-2	150	32	-5	2
91 JM 167 C 131474	B					8	-0.2	265	-2	154	17	-5	1
91 JM 167 C 131475	B					-5	-0.2	251	-2	162	-5	-5	-1

LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
ALL ROCK SAMPLES

SAMPLE IDENTIFIER	lab code	01 Cu %	02 Zn %	03 Zn %	*AU g/tonne	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 JM 167 C 131476	B					-5	-0.2	202	-2	168	-5	-5	-1
91 JM 167 C 131477	B					12	-0.2	96	-2	222	-5	-5	-1
91 JM 167 C 131478	B					-5	-0.2	34	-2	130	-5	-5	-1
91 JM 167 C 131479	B					6	-0.2	428	-2	53	13	-5	-1
91 JM 167 C 131480	B	0.13				6	-0.2	1205	-2	55	9	-5	2
91 JM 167 C 131481	B					6	-0.2	507	2	55	8	-5	1
91 JM 167 C 131482	B					-5	0.4	566	-2	49	-5	-5	1
91 JM 167 C 131483	B					36	0.2	738	4	54	20	-5	11
91 JM 167 C 131484	B					-5	-0.2	157	-2	65	-5	-5	-1
91 JM 167 C 131485	B					-5	-0.2	44	-2	55	-5	-5	-1
91 JM 167 C 131486	B					-5	-0.2	119	-2	54	6	-5	-1
91 JM 167 C 131487	B					-5	-0.2	204	-2	76	6	-5	-1
91 JM 167 C 131488	B					-5	-0.2	741	-2	121	20	-5	1
91 JM 167 C 131489	B					-5	-0.2	899	-2	141	14	-5	1
91 JM 167 C 131490	B	0.14				6	-0.2	1120	-2	115	16	-5	2
91 JM 167 C 131491	B					6	-0.2	823	-2	82	29	-5	1
91 JM 167 C 131492	B					8	-0.2	514	-2	104	28	-5	-1
91 JM 167 C 131493	B					-5	-0.2	980	14	83	36	-5	-1
91 JM 167 C 131494	B	0.23				6	-0.2	1901	22	74	38	-5	1
91 JM 167 C 131495	B	0.14				-5	-0.2	1086	-2	79	21	-5	-1
91 JM 167 C 131496	B	0.14				-5	-0.2	1104	-2	86	40	-5	3
91 JM 167 C 131497	B					-5	-0.2	591	-2	78	40	-5	2
91 JM 167 C 131498	B					-5	-0.2	326	-2	56	38	-5	3
91 JM 167 C 131499	B					-5	-0.2	214	-2	89	13	-5	-1
91 JM 167 C 131500	B	0.6				8	0.2	5793	-2	161	14	-5	-1
91 167 475903	M				0.03		1.0	47	24	10	8	1	10
91 167 475904	M				0.01		0.9	127	23	10	1	1	1
91 167 475905	M				0.05		4.0	20	13	6	13	1	10
91 167 475906	M				0.02		2.1	13	7	4	17	1	5
91 167 475907	M				0.02		0.6	10	3	5	16	1	8
91 167 475908	M				0.01		0.3	12	5	4	14	1	4
91 167 475909	M				0.01		1.4	2865	61	8	47	2	63
91 167 475910	M				0.02		0.8	1762	13	64	1	1	3
91 167 475911	M				0.01		1.0	1633	20	106	20	1	4
91 167 475912	M				0.01		0.1	38	2	6	13	1	4
91 167 475913	M				0.02		0.6	66	19	47	1	1	11
91 167 475914	M				0.02		0.2	35	13	47	1	1	3
91 167 475915	M				0.01		0.5	28	20	17	1	1	6
91 167 475916	M				0.01		0.4	26	35	9	1	1	3
91 167 475917	M				0.02		1.7	3234	11	134	1	1	1
91 167 475918	M				0.01		26.0	2864	22	12	56	3	25
91 167 475919	M				0.01		0.3	375	10	22	48	1	11
91 167 475929	M				0.01		0.4	21	9	26	1	1	2
91 167 475930	M				0.02		0.6	490	20	6	75	1	30
91 167 475935	M				0.01		0.7	13	4	1	1	1	6
91 167 475936	M				0.02		0.8	1689	11	52	30	19	3
91 167 475937	M				0.02		1.6	2197	5	15	19	1	18
91 167 475938	M				0.01		1.2	1951	8	67	1	1	5
91 167 475939	M				0.01		0.6	980	18	11	4	1	15
91 AB 167 * 475940	M				0.02		1.1	2064	15	61	34	1	3
91 AB 167 * 475941	M				0.01		0.8	1330	14	14	8	1	16
91 AB 167 * 475942	M				0.03		1.5	1980	11	23	60	3	15

LEMARE PROJECT (167) 1991 ASSAY AND GEOCHEM RESULTS
ALL ROCK SAMPLES

SAMPLE IDENTIFIER	lab code	01 Cu %	02 Zn %	03 Zn %	‡AU g/tonne	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 AB 167 ‡ 475943	M				0.04		0.6	138	1	59	1	1	2
91 AB 167 ‡ 475944	M					1	1.3	83	17	24	32	1	5
91 AB 167 ‡ 475945	M					1	0.8	27	4	8	1	1	2
91 167 910006	M					3	1.5	68	15	204	1	1	1

167ROCK.WK1

01 Cu AA-LL
02 Zn AA
03 Zn TITRE

‡ = slabbed samples from previously analysed field sites.

APPENDIX VIII

Petrographic Report - Summary

PETROGRAPHIC REPORT ON 26 SPECIMENS FROM THE LEMARE PROPERTY ON VANCOUVER ISLAND, BRITISH COLUMBIA

Report for: Arne Birkeland
Keewatin Engineering Inc.
800-900 W. Hastings St.
Vancouver, B.C.
V6C 1E5.

Oct. 14, 1991

Invoice attached

SAMPLES SUBMITTED:

ARL301-305, 308-310A,B,311-313, 315, 319, 322, 325-327, 335-342.

SUMMARY:

The Lemare property lies at the northern end of Vancouver Island, west of the producing Island Copper mine and along strike on a regionally mineralized trend similar to the Island Copper belt. On the property, several zones (respectively the Culleet Creek Zone, including the Gorby and Boris showings, the North and South Lake zones on an arm of Lemare Lake, and the South Gossan Zone) extend southeast from tidewater at Harvey Cove to the south end of Lemare Lake. This petrographic work was undertaken in order to unravel some of the cryptic alteration types exposed on the property, particularly in the major South Gossan Zone, where phyllic, argillic, and advanced argillic alteration types were suspected. Previous work by the B.C. Geological Survey included four thin sections and some X-ray diffraction which confirmed that kaolinite and pyrophyllite were present, but not alunite (instead the sulfate was gypsum: Andre Panteleyev, pers. comm., 1991).

The rocks submitted (individual petrographic reports for each section are appended) are apparently all volcanic in origin, although some are so highly altered as to be of dubious protolith. Most were probably mafic volcanics (basalt to basaltic andesite) but a few may have been as felsic as dacite (ARL315, 337, and possibly 342). The main mafic volcanic types are: porphyritic ?flow (ARL302, 304, 339, 340); fine grained ?flow (ARL319, 325, 338, 341; 335 is amygdular) and fragmental (ARL301, 303, 305, 322, 326, 327, 336). The rest are classed as intensely hydrothermally altered (ARL310A/B, 311, 312, 313), breccia (ARL308, 342) or semi-massive pyrite (ARL309). Strong to intense quartz stockworking is noted in ARL322, 338, 339, 340, 341 and 342.

Alteration in these rocks is generally strong (well-developed and pervasive) and ranges from propylitic through argillic and ?advanced argillic (depending on X-ray confirmation of mineral species such as pyrophyllite) to potassic, phyllic and silicic. These alteration types fit roughly with the classifications used in the field, as depicted on the 1:5000 scale map appended to this report.

After the petrographic analysis presented here (lacking X-ray diffraction confirmations), the rocks may be tentatively grouped as follows:

Propylitic (ARL302, 304, 315, 335, 341). This includes the type classed as propylitic but not the field type "apple green silicified"; the former is dark green and characterized by epidote-chlorite and pyrite while the latter is pale green, very hard and typically composed of chlorite-Kspar-quartz ± sericite and may contain pyrite and chalcopyrite; magnetite was found in one sample (315) and noted in the field in 341 but not in section. K-spar in the former (315) is apparently primary sanidine; the latter does not contain K-spar

Argillic-advanced argillic (ARL305, 310B, 311, 312, 313, 325, 326). Most of these samples are white to buff or creamy in hand specimen and lack primary texture, indicating very strong alteration. This includes samples like 305 composed of quartz-?clay-FeTi oxides and most of the rest listed above, consisting of quartz-?pyrophyllite-?diaspore-?kaolinite-?prehnite-rutile. The question marks indicate that X-ray confirmation of these species is badly needed, and is recommended, before confidence can be attached to this class (pyrophyllite and muscovite are indistinguishable in thin section, but important in separating advanced argillic from phyllic alteration; diaspore is an unusual mineral not often seen in thin section). Clay minerals tentatively identified in thin section appear to be kaolinite (as expected in argillic-advanced argillic alteration: Beane and Titley, 1981, p. 236). The chalky white weathering of some rocks in the Culleet Creek and Lake Zones appears to be due to bleaching (possibly replacement by clay) of chlorite, although the rock also becomes soft, suggesting that feldspars are also attacked by clay. Sulfate minerals (alunite, gypsum) were not seen in thin section except possibly in ARL311. Several samples (ARL309, 327) appear to straddle the transition from advanced argillic to phyllic (although this again reflects the difficulty of separating muscovite from pyrophyllite in thin section).

Potassic (ARL322, 336, 338, 339, 340, 342) are characterized by intense fine-grained ?replacement of original plagioclase by feathery K-feldspar (suspected in thin section, but the extent was not realized until confirmed by staining of the off-cut slabs with sodium cobaltinitrite). Field relations indicate that the K-spar is secondary, with felsic rocks possibly more susceptible to K-spar alteration. However, the K-spar is not obviously associated with any chalcopyrite mineralization, and in fact where chalcopyrite is seen it appears to be associated with quartz, and in particular sericite, in veins cross-cutting the ?secondary K-feldspar.

Phyllic (ARL301, 303, 308, 319). These samples contain the standard quartz-sericite (muscovite)-pyrite assemblage

(again, assuming the sericite is correctly identified; X-ray confirmation is recommended). Minor K-spar on fractures and therefore probably secondary is found in 301 and 303.

Silicic (ARL310A, 337) contain quartz ± muscovite, ?prehnite, hydrobiotite (a common mineral at Island Copper) and (in 337) K-spar, although the K-spar is not clearly associated with copper mineralization. Others listed with the potassic and propylitic groups (ARL338-342) contain significant quartz (± sulfide) stockworks and so may be transitional to the silicified group.

The best copper mineralization appears (in thin sections) to be found in the apple-green material; this plus the suggestion of potassic zone indicator minerals that characterize "mafic porphyry" deposits like Island Copper or Tanamá in the Phillipines, such as magnetite (and hornblende and biotite: not seen in thin section but listed in the field notes), plus hydrobiotite (characteristic of the transitional phyllic-potassic zone) is similar to alteration types at Island Copper and suggestive of a lithocap (buried deposit) situation on the Lemare property. Although the areas with highest Cu geochemistry (Culleet Creek Zone, Lake Zone) have extensive potassic alteration, the secondary K-feldspar does not seem to be directly related to chalcopyrite. Also, these areas appear to be peripheral to the most highly altered zone (South Gossan Zone), suggesting they could represent "leakage" around the edges of a system centered on the South Gossan Zone. Note that the advanced argillic alteration prominently exposed in the South Gossan Zone tends to overprint or destroy primary mineralization, while the phyllic alteration may contribute large amounts of sulfide that leachs copper out of the weathered rocks.

Thus the South Gossan Zone could zone downwards into better-grade copper mineralization with decreasing amounts of muscovite, pyrophyllite, clay and pyrite and increasing amounts of albite ± K-spar, hydrobiotite/biotite, quartz, ?magnetite and hornblende, and chalcopyrite. This still appears to be the priority target. However, the peripheral zones, if the apparent potassic alteration proves unrelated to coppper mineralization, could also zone downwards into increasing silicic and/or biotite-magnetite-amphibole alteration with associated higher-grade chalcopyrite mineralization; they are also worthy of follow-up.

Craig H.B. Leitch, Ph.D, P.Eng.
(604) 921-8780 or 666-4902

Reference cited:

Beane, R.E., and Titley, S.R. (1981): Porphyry copper deposits, Part II. Hydrothermal alteration and mineralization; Economic Geology, 75th Anniv. Vol., pp. 235-269.

Maobott Island

Koskimo Bay

Chapman Islet

Koskimo Creek

Harvey Cove

Culbert Cr.

Le Mare Lake

Mahatta Creek

LEMARE 1 LEMARE 2
LEMARE 3 LEMARE 4
LEMARE 5 LEMARE 6
LEMARE 7 LEMARE 8
LEMARE 9 LEMARE 10
LEMARE 11
LEMARE 12

Reference : Geology Map 1:2500 - Map 17

Reference : Geology Map 1:5000 - Map 7

And

And slickensides

91AT167R126100 (60, <5, <1, 287)

And sheared carb

Lat

Bas, And mag

Fig mag

Bas

And lap

And, gossan

91AT167R-126101 (15, <5, <1, %)

And, Bas

91DC167C126240 (19, <5, 2, 100)

And, py

And, cpy mal

And, py

And, lap carb

Trapper Cabin

And, Bas

And, py

91DC167C126241 (691, 11, 2, 82)

Jg

IKL

EXPLANATION

- Basalt (undivided)
- Andesite (undivided)
- Dacite (undivided)
- Rhyolite (undivided)
- Felsite
- Silicification
- Intrusive
- Quartz porphyry
- Volcanic breccia
- Laminated tuffs
- Limestone
- Diorite
- Magnetite
- Hematite
- Pyrite
- Chalcopyrite
- Bornite
- Epidote
- Chlorite
- Sericite
- Ankerite
- Potassic feldspar
- Quartz
- Jg — Island Intrusions: quartz diorite, granodiorite, monzonite, quartz feldspar porphyry
- IKL — Longarm Formation: greywacke, conglomerate, siltstone

SYMBOLS

- Geologic contact
- Fault with strike and dip
- Outcrop
- 91AT167R126100 (60, <5, <1, 287) — Rock sample with number and results (Cu ppm, Au ppb, Mo ppm, Zn ppm)
- IK-100 — Representative samples
- Cabin
- Road
- Creek

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

0 200 400 600 800 1000 m

STOW RESOURCES LTD.

LEMARE PROPERTY

GEOLOGY and ROCKS
(LOCATION and RESULTS)

DATE: DEC. 1991 | NTS 92F/5W
PROJECT: VANCOUVER ISLAND | BY: A.D.H., A
SCALE: 1:10,000
Keevil Mah Engineering Ltd. | MAP NO. 1

Mabbott Island

Koskimo Bay

Chapman Islet

127°53'

Koskimo Creek

LEMARE 7 LEMARE 8
LEMARE 9 LEMARE 10

MOUNT BURY

Harvey Cove

Cullen Ck

Le Mare Lake

Mahatta Creek

LEMARE 1 LEMARE 2
LEMARE 3 LEMARE 4

LEMARE 11
LEMARE 12

LEMARE 15

LEMARE 16

1500

1000

2000

EXPLANATION

- Soil Sample
- Moss Mat
- Re-sampled soil line
- Road
- Creek
- Cabin

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

0 200 400 600 800 1000m

STOW RESOURCES LTD.

LEMARE PROPERTY

SAMPLE LOCATIONS

SOIL and MOSS MAT

DATE: Oct 1991 | NTS: 92L/5W

PROJECT: VANCOUVER ISLAND | BY: ACG, AT

SCALE: 1:10,000

Keewatin Engineering Inc. | MAP No. 2

Mabbott Island

Koskimo Bay

Chapman Islet

127°53'

Koskimo Creek

LEMARE 7 LEMARE 8
LEMARE 9 LEMARE 10

MOUNT BURY

Harvey Cove

Culleet Creek

Mahatta Creek

Le Mare Lake

LEMARE 1 LEMARE 2
LEMARE 3 LEMARE 4

LEMARE 11
LEMARE 12

LEMARE 5

LEMARE 6

Trapper Cabin

EXPLANATION

- 132 — Soil sample with Cu ppm
- 40 — Moss mat with Cu ppm
- Road
- Creek
- Cabin
- (54) — Re-sampled soil line with Cu ppm.
- Cu values >90 ppm

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

0 200 400 600 800 1000m

STOW RESOURCES LTD.

LEMARE PROPERTY

GEOCHEMISTRY

Cu PPM

SOIL and MOSS MAT

DATE: Oct. 1985	DWG. No. LEM-3X
PROJECT: VANCOUVER ISLAND	BY: AOB, AT
SCALE: 1:10,000	
Keewatin Engineering Inc.	MAP No. 3

Mabbott Island

Koskimo Bay

Chapman Islet

127°53'

Koskimo Creek

LEMARE 7 LEMARE 8
LEMARE 9 LEMARE 10

MOUNT BURY

Mahatta Creek

Harvey Cove

Cullen Pt

Le Mare Lake

LEMARE 1 LEMARE 2
LEMARE 3 LEMARE 4

LEMARE 11
LEMARE 12

Trapper Cabin

LEMARE 15

LEMARE 6

1500

1000

2000

500

EXPLANATION

- 499 — Soil sample with Au ppb
- B — Moss mat with Au ppb
- – — Au ppb < 5
- 15 — Insufficient sample
- Creek
- Road
- Cabin
- (7) — Re-sampled soil lines with Au ppb
- Au values > 20 ppb

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

0 200 400 600 800 1000m

STOW RESOURCES LTD.

LEMARE PROPERTY

GEOCHEMISTRY

Au PPB

SOIL and MOSS MAT

DATE: Oct 1991	NTS: 92E/5W
PROJECT: VANCOUVER ISLAND	BY: AGB, AET
SCALE: 1:10,000	

Keewatin Engineering Inc. | MAP No. 4

Mabbott Island

Koskimo Bay

Chapman Islet

Koskimo Creek

LEMARE 7 LEMARE 8

LEMARE 9 LEMARE 10

MOUNT FLORY

Mahatta Creek

Harvey Cove

Cullees Ck

Le Mare Lake

LEMARE 1 LEMARE 2

LEMARE 3 LEMARE 4

LEMARE 11

LEMARE 12

LEMARE 13

LEMARE 15

EXPLANATION

- 4 — Soil sample with Mo ppm
- 2 — Moss mat with Mo ppm
- – — Mo ppm <1
- 100 — Insufficient sample
- creek
- Cabin
- Road
- (4) — Re-sampled soil line with Mo ppm
- Mo values >4 ppm

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

0 200 400 600 800 1000m

STOW RESOURCES LTD.

LEMARE PROPERTY

GEOCHEMISTRY

Mo PPM

SOIL and MOSS MAT

DATE OCT 1981 | NTS 92L/3W

PROJECT VANCOUVER ISLAND | BY AOB, AT

SCALE 1:10,000 | DWG AOB, AT

Keewatin Engineering Inc. | MAP No. 5

N

Koskimo Bay

Chapman Islet

Malobott Island

127°53'

Koskimo Creek

LEMARE 7 LEMARE 8

LEMARE 9 LEMARE 10

MOUNT BURLY

Mahatta Creek

Harvey Cove

Cullees Ck

Le Mare Lake

LEMARE 1 LEMARE 2

LEMARE 3 LEMARE 4

LEMARE 11

LEMARE 12

Trapper cabin

LEMARE 6

LEMARE 5

1500

2000

1000

500

EXPLANATION

- 103 — Soil sample with Zn ppm
- 134 — Moss mat with Zn ppm
- Road
- Creek
- Cabin
- (49) — Re-sampled soil line with Zn ppm
- Zn values > 250 ppm

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

0 200 400 600 800 1000m

STOW RESOURCES LTD.

LEMARE PROPERTY

GEOCHEMISTRY

Zn PPM

SOIL and MOSS MAT

DATE: Oct 1991	NTS: 92L/3W
PROJECT: VANCOUVER ISLAND	BY: AOB, AT
SCALE: 1:10,000	

Keewatin Engineering Inc. | MAP No. 6

Harvey Cove

CULLEET CREEK ZONE

NORTH LAKE ZONE

SOUTH LAKE ZONE

SOUTH GOSSAN ZONE

Le Mare Lake

LEMARE 1 | LEMARE 2

LEMARE 3 | LEMARE 4

LEMARE 5

LEMARE 6

Culleet Creek

Fourmile Creek

Trapper Cabin

1500

1000

2000

500

50°35'

EXPLANATION

- Basalt (undivided)
- Andesite (undivided)
- Dacite (undivided)
- Rhyolite (undivided)
- Felsite
- silicification
- Quartz porphyry intrusive
- Volcanic breccia
- Laminated tuffs
- Magnetite
- Hematite
- Pyrite
- Chalcopyrite
- Bornite
- Epidote
- Chlorite
- Sericite
- Ankerite
- Potassic Feldspar
- Quartz

SYMBOLS

- Geologic contact, defined, assumed
- Fault with dip, defined, assumed
- Outcrop area
- Bedding attitude
- Joint attitude
- Trench
- Logging road
- Cabin
- Creek
- Reference Rock Specimen

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

0 100 200 300 400 500 m

STOW RESOURCES LTD.

LEMARE PROPERTY

GEOLOGY

DATE: Nov. 1991	NTS: 92L/3W
PROJECT: VANCOUVER ISLAND	BY: AOB, IDM
SCALE: 1:5,000	
Keewatin Engineering Inc.	MAP No. 7

Harvey Cove

CULLEET CREEK ZONE

Culleet Creek

NORTH LAKE ZONE

Le Mare Lake

LEMARE 1 | LEMARE 2

LEMARE 3 | LEMARE 4

SOUTH LAKE ZONE

SOUTH GOSSAN ZONE

LEMARE 5

LEMARE 6

Trapper Cabin

1500 1000 500 2000

50°25'

EXPLANATION

- Lim — Limonite (pyrite halo)
- Prop — Propylitic (epidote, chlorite, pyrite)
- Phy — Phyllic (quartz, sericite, muscovite, pyrite)
- Kay — Kaolin (weathered and hydrothermal clay)
- Arg — Argillic (hydrothermal clay, quartz, clay - Fe-Ti oxides, prehnite - vuhlite)
- AA — Advanced Argillic (quartz pyrophyllite, kaolinite, gypsum)
- Chl-Mag — Chlorite - Magnetite ± Amphibole - Hornblend, Hydrobiotite
- Agg — Apple Green Silicification (quartz, chlorite, K-Feldspar, ± muscovite, hydrobiotite)
- Dum — Dumortierite
- (K) — Potassic Alteration (secondary K-Feldspar)

- Alteration contact
- Fault with dip
- Outcrop area
- Bedding attitude
- Joint attitude
- Logging road
- Cabin
- Creek

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

0 100 200 300 400 500 m

STOW RESOURCES LTD.

LEMARE PROPERTY

ALTERATION

DATE: Nov. 1991	NTS: 92L/5W
PROJECT: VANCOUVER ISLAND	BY: AOB
SCALE: 1:5,000	
Keewatin Engineering Inc.	MAP No. 8

Reference : ROCK SAMPLE LOCATION AND RESULTS 1:2500 MAP 18

Harvey Cove

Culleet

Le Mare Lake

LEMARE 1 | LEMARE 2

LEMARE 3 | LEMARE 4

LEMARE 5

LEMARE 6

1000

1500

2000

500

50°25'

EXPLANATION

- ▲ Rock sample with number
- ◆ Float sample with number

RESULTS:

(99778, 17, 4, 110) (Cu % or ppm, Au ppb, Mo ppm, Zn ppm)

- Road
- Cabin
- Creek

- Cu values > 1000 ppm
- Au values > 100 ppb
- Mo values > 4 ppm
- Zn values > 1000 ppm

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

0 100 200 300 400 500 m

STOW RESOURCES LTD.

LEMARE PROPERTY

ROCK SAMPLE LOCATIONS AND RESULTS

DATE: DEC. 1991	NTS: 92L/5W
PROJECT: VANCOUVER ISLAND	BY: MOB. AR
SCALE: 1:5000	
Vecowatin Engineering Inc.	MAP NO. 9

Harvey Cove

Culleet

Le Mare Lake

LEMARE 1 / LEMARE 2

LEMARE 3 / LEMARE 4

LEMARE 5

LEMARE 6

1500

2000

500

1000

EXPLANATION

- Soil sample
- Moss Mat
- Road
- Creek
- Bridge

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

0 100 200 300 400 500 m

STOW RESOURCES LTD.

LEMARE PROPERTY

SAMPLE LOCATIONS

SOIL and MOSS MAT

DATE: Oct. 1991	NTS: 92L/5W
PROJECT: VANCOUVER ISLAND	BY: AOB, AT
SCALE: 1:5,000	
Keewatin Engineering Inc.	MAP No. 10

Harvey Cove

Culleet

Ck.

Le Mare Lake

50°25'

LEMARE 1 LEMARE 2

LEMARE 3 LEMARE 4

LEMARE 5

LEMARE 6

1000

1500

2000

500

N

EXPLANATION

- 116 soil sample with Cu ppm
- □ 174 Moss mat with Cu ppm
- Road
- Creek
- Bridge
- Cu values >90 ppm

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

0 100 200 300 400 500 m

STOW RESOURCES LTD.

LEMARE PROPERTY

GEOCHEMISTRY

Cu PPM

SOIL and MOSS MAT

DATE: OCT 1991	NTS: 92L/5W
PROJECT: VANCOUVER ISLAND	BY: ROB, AT
SCALE: 1:5,000	
Keewatin Engineering Inc.	MAP No. 1

Harvey Cove

Culleet

Le Mare Lake

LEMARE 1 | LEMARE 2

LEMARE 3 | LEMARE 4

LEMARE 5

LEMARE 6

1500

2000

1000

500

N

EXPLANATION

- 98 Soil sample with Au ppb
- □ 10 Moss mat with Au ppb
- – Au ppb <5
- 100 Insufficient sample
- Creek
- Bridge
- Road
- • □ Au values >20 ppb

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

0 100 200 300 400 500 m

STOW RESOURCES LTD.

LEMARE PROPERTY

GEOCHEMISTRY

Au PPB

SOIL and MOSS MAT

DATE: Oct. 1991	NTS: 92L/5W
PROJECT: VANCOUVER ISLAND	BY: AOB, AT
SCALE: 1:5,000	
Reewatin Engineering Inc.	MAP NO. 12

Harvey Cove

Culleet

Le Mare Lake

LEMARE 1 LEMARE 2

LEMARE 3 LEMARE 4

LEMARE 5

LEMARE 6

1000

1500

2000

500

50°25'

N

EXPLANATION

- 25 — Soil sample with Mo ppm
- 3 — Moss mat with Mo ppm
- – — Mo ppm < 1
- 160 — Insufficient sample
- Creek
- Bridge
- Road
- Mo values > 4 ppm

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

0 100 200 300 400 500 m

STOW RESOURCES LTD.

LEMARE PROPERTY

GEOCHEMISTRY

Mo PPM

SOIL and MOSS MAT

DATE: Oct. 1991	NTS: 92L/5W
PROJECT: VANCOUVER ISLAND	BY: AOB, AT
SCALE: 1:5,000	
Keewatin Engineering Inc.	MAP No. 13

Harvey Cove

Culleet

Le Mare Lake

LEMARE 1 | LEMARE 2

LEMARE 3 | LEMARE 4

LEMARE 5

LEMARE 6

1500

2000

1000

500

N

EXPLANATION

- 104 — Soil sample with Zn ppm
- □ 129 — Moss mat with Zn ppm
- Road
- Creek
- Bridge
- Zn values > 250 ppm

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

0 100 200 300 400 500 m

STOW RESOURCES LTD.

LEMARE PROPERTY

GEOCHEMISTRY

Zn PPM

SOIL and MOSS MAT

DATE: Oct 1991	NTS: 92L/5E
PROJECT: VANCOUVER ISLAND	BY: BOB, AT
SCALE: 1:5,000	

Kerr Wallace Engineering Inc. | MAP No. 14

Harvey Cove

Culleet

Le Mare Lake

LEMARE 1 | LEMARE 2

LEMARE 3 | LEMARE 4

LEMARE 5

LEMARE 6

Cu

Zn

Mo

Au

Trapper Cabin

1500

2000

500

LEGEND

- Mo > 4 ppm
- Au > 20 ppb
- Cu > 90 ppm
- Zn > 290 ppm
- Areas with numerous anomalies present
- soil sample location
- Moss mat location

0 100 200 300 400 500 m

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

STOW RESOURCES LTD.

LEMARE PROPERTY

GEOCHEMICAL INTERPRETATION MAP

DATE: NOV 1991	NTS: 92L/3W
PROJECT: VANCOUVER ISLAND	BY: A.S.D.
SCALE: 1:5,000	

Recreation Engineering Inc. | MAP No. 15

Harvey Cove

CULLEET CK. ZONE

Culleet

LAKE ZONE

S. LAKE ZONE

Le Mare Lake

LEMARE 1 LEMARE 2

LEMARE 3 LEMARE 4

LEMARE 5

LEMARE 6

SOUTH GOSSAN ZONE

LEMARE #2 SHOWING

Diorite/Gabbro Contact

Trapper Cabin

1000

1500

2000

500

50°25'

EXPLANATION

- Lim — Limonite (pyrite halo)
- Prop — Propylitic (epidote, chlorite, pyrite)
- Phy — Phyllic (quartz, sericite, muscovite, pyrite)
- Kay — Kaolin (weathered and hydrothermal clay)
- Arg — Argillic (hydrothermal clay, quartz clay - Fe Ti oxides, diaspore, prehnite - Julite)
- AA — Advanced Argillic (quartz, pyrophyllite, Kaolinite, gypsum)
- Chl-Mag — Chlorite - Magnetite ± Amphibole, Hornblend, Hydrobiotite
- Agsv — Apple Green Silicification (quartz, chlorite, K-feldspar, ± muscovite, hydrobiotite)
- (K) — Potassic Alteration (secondary K-feldspar)
- Direction of increasing alteration intensity
- ▲ ARL 909 — Petrographic sample
- X — Rock grab sample
- • — Soil sample
- ■ — Moss Mat sample
- —| — Chip sample
- >—< — Trench
- 0.45% Cu/20m — Weighted grade/width in metres

Individual Results	Soils + Moss Mats	Rocks
Au	≥ 20 ppb	≥ 100 ppb
Cu	> 200 ppm	> 1000 ppm (0.10%)
Zn	> 250 ppm	> 5000 ppm

0 100 200 300 400 500 m

GEOLOGICAL BRANCH ASSESSMENT REPORT

22,162

STOW RESOURCES LTD.

LEMARE PROPERTY

GEOCHEMICAL COMPILATION and ALTERATION INTERPRETATION MAP

DATE: DEC. 1984		NTS: 92L/5W	
PROJECT: VANCOUVER ISLAND		BY: A.O.M.	
SCALE: 1:5,000			
Key, Watkinson Engineering Inc.		MAP No. 16	

Harvey Cove

HARVEY COVE SHOWING

TRENCH 91-T7

CULLEET CREEK ZONE

GORDY

TRENCH 91-T1

TRENCH 91-T2

TRENCH 91-T3

TRENCH 91-T4

TRENCH 91-T5

TRENCH 91-T6

TRENCH 91-T8

BORIS

TRENCH 91-T9

EAST CULLEET AREA

NORTH LAKE ZONE

SOUTH LAKE ZONE

LEMARE 1 LEMARE 2

LEMARE 3 LEMARE 4

Culleet Ck

Le Mare Lake

1000

50°25'

EXPLANATION

INTRUSIVES

1 Microdiorite / andesite dykes

2 quartz diorite / granodiorite dykes

VOLCANICS

3 Undifferentiated intermediate volcanics

- 3a Dacitic - andesitic ash - lapilli tuff (mottled mar - grn)
- 3b Ash tuff (usually lam / bedded)
- 3c Crystal tuff
- 3d Andesite flows
- 3e Agglomerate

4 Undifferentiated - andesitic - basaltic volcanics

- 4a Amygdaloidal flows
- 4b Andesite - basalt, ash - lapilli tuff (dark green, chl, ± mag, bio)
- 4c Feldspar phyric flow

Basv Basalt - undivided
And Andesite - undivided
Dac Dacite - undivided
Py Pyrite
Cpy Chalcopyrite
Pel Pelnite
Chl Chlorite
Ser Sericite
Sil Silicification
Mag Magnetite
Hem Hematite
Epi Epidote
Carb Carbonate
Mal Malachite
Feld Feldspar
Vol Volcanic
Brx Breccia
Lam Laminated
Qtz / Qtz Vn Quartz, Quartz vein
Tr Trace
Bxwk Boxwork
Lim Limonite
Plag - Hbl Plagioclase - Hornblende
Fx Fracture
Dis Disseminated
Ppy Prophyritic (epidote, chlorite, pyrite)
Rhy Rhyolite
Kaol Kaolinite
Anke Ankerite
K-spar Potassic Feldspar
Stwk Stockwork
Jasp Jasper
Agrn Apple green silicification
Bio Biotite
Vnlts Veinlets

GEOLOGY CONTACTS

Geology contact, defined, assumed

Fault with dip

Bedding attitude

Joint attitude

Outcrop area

Logging road / bridge

Trench

0 50 100 150 200 250 m

STOW RESOURCES LTD.

LEMARE PROPERTY

GEOLOGY

DATE: Nov. 1991	NTS 92L/3W
PROJECT: VANCOUVER ISLAND	BY: AGB
GEOLOGICAL BRANCH ASSESSMENT REPORT	MAP No. 17

22,162

Harvey Cove

HARVEY COVE SHOWING

EAST CULLEET AREA

Culleet

Ck

Le Mare Lake

NORTH LAKE ZONE

SOUTH LAKE ZONE

LEMARE 1 | LEMARE 2

LEMARE 3 | LEMARE 4

1000

50°25'

TRENCH 91-T7

GORBY

CULLEET CREEK ZONE

TRENCH 91-T1

TRENCH 91-T2

TRENCH 91-T3

TRENCH 91-T4

TRENCH 91-T5

TRENCH 91-T6

TRENCH 91-T8

BORE

EXPLANATION

- Rock sample with number
- Float sample with number
- Trench with number
- Logging road
- Bridge
- Creek

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

0 50 100 150 200 250 m

STOW RESOURCES LTD.

LEMARE PROPERTY

ROCK SAMPLE LOCATION AND RESULTS

DATE: DEC, 1991 | NTS: 92L/SW

PROJECT: VANCOUVER ISLAND | BY: ADH, AT

SCALE: NONE

Reddstein Engineering Inc. | MAP No. 18

Lemarie/ Trench	Sample No.	Width (m)	Cu ppm	Cu %	Au ppb (gm/mt)	Mo ppm	Zn ppm
GORBY	91JM167C-129357	1.20	32		<5	3	109
	91JM167C-129358	1.00	2,064	0.18	<5	2	72
	91JM167C-129359	2.00	1,515	0.14	<5	2	60
	91JM167C-129360	2.15	169		<5	11	61
	91JM167C-129361	2.50	104		<5	1	104
	91AJM167K-129401	5.00	903	0.08	<5	1	80
	91AJM167K-129402	2.50	657	0.06	<5	1	78
	91AJM167K-129403	1.00	754	0.05	<5	<1	108
	91AJM167K-129404	1.00	209	0.02	<5	<1	50
	91AJM167K-129405	1.00	139	<0.01	<5	<1	74
	91AJM167C-127561	1.00	108		<5	1	30
	91AJM167C-127562	1.00	74		<5	8	35
	91AJM167C-127563	1.00	262		<5	1	55
	91AJM167C-127564	1.00	220		<5	1	71
	91AJM167C-127565	1.00	198		<5	1	68
	91AJM167C-127566	1.00	161		<5	<1	73
	91AJM167C-127567	1.00	102		<5	<1	73
	91AJM167C-127568	1.00	182		<5	<1	80
BORE	91JM167C-128991	1.00	780		<5	1	60
	91JM167C-128992	1.00	3,231	0.28	<5	<1	29
	91JM167C-128993	1.00	1,000		<5	<1	54
	91JM167C-128994	1.00	883		<5	<1	104
	91JM167C-128995	1.00	6,389		<5	<1	864
	91JM167C-128996	1.00	1,336		<5	2	102
	91JM167C-128997	1.00	855		<5	<1	78
	91JM167C-128998	1.00	1,515	0.17	<5	<1	85
	91JM167C-128999	1.00	438		<5	<1	89
91-T1	91AJM167C-131951	1.00	80		<5	1	97
	91AJM167C-131952	1.00	22		<5	<1	62
	91AJM167C-131953	1.00	71		<5	<1	76
	91AJM167C-131954	1.00	90		<5	<1	61
	91AJM167C-131955	1.00	98		<5	<1	76
	91AJM167C-131956	1.00	52		<5	<1	91
91-T5	91AJM167C-131957	1.00	102		<5	1	81
	91AJM167C-131958	1.00	95		<5	<1	91
	91AJM167C-131959	1.00	78		<5	<1	104
	91AJM167C-131960	1.00	56		<5	<1	101
	91AJM167C-131961	1.00	58		<5	1	104
91-T6	91AJM167C-131462	1.00	1,039	0.26	<5	8	71
	91AJM167C-131463	1.00	5,062	0.63	<5	8	96
	91AJM167C-131464	1.00	5,014	0.54	<5	8	96
	91AJM167C-131465	1.00	1,000	0.10	<5	3	96
	91AJM167C-131466	1.00	986		<5	2	76
	91AJM167C-131467	1.00	751		<5	2	72

Lemarie/ Trench	Sample No.	Width (m)	Cu ppm	Cu %	Au ppb (gm/mt)	Mo ppm	Zn ppm
91-T4	91JM167C-131460	1.00	1,267	0.14	<5	<1	84
	91JM167C-131461	1.00	1,000		<5	2	60
91-T5	91JM167C-131471	1.00	996		13	6	147
	C131472	1.00	193		22	7	139
	C131473	1.00	602		10	2	89
91-T6	91JM167C-131478	1.00	265		8	1	554
	C131479	1.00	271		<5	<1	262
	C131476	1.00	202		<5	<1	168
	C131477	1.00	1,000		<5	<1	160
91-T7	91JM167C-131479	1.00	420		6	1	75
	C131480	1.00	1,267	0.13	6	2	55
	C131481	1.00	1,000		5	1	89
	C131482	1.00	286		<5	1	73
	C131483	0.80	750		36	11	54
91-T8	91JM167C-131484	1.00	137		<5	<1	97
	C131485	1.00	1,000		<5	<1	54
	C131486	1.00	119		<5	<1	54
	C131487	1.00	268		<5	<1	36
HARVEY COVE SHOWING	91AJM167C-131468	1.00	743		<5	1	102
	C131469	1.00	1,000		<5	2	102
	C131470	1.00	1,230	0.14	<5	2	115
	C131491	1.00	803		8	2	67
	C131492	1.00	1,000		9	104	153
	C131493	1.00	980		<5	<1	83
	C131494	1.00	1,000	0.11	<5	<1	76
	C131495	1.00	1,000	0.14	<5	<1	78
	C131496	1.00	1,000	0.14	<5	<1	76
	C131497	1.00	799		<5	<1	76
	C131498	1.00	420		<5	<1	76
	C131499	1.00	214		<5	<1	91
	C131500	1.00	1,739	0.08	8	<5	104
	91JM167C-131501	1.00	979		11	1	81
	C132238	1.00	991		13	2	106
	C132239	1.00	1,039	0.12	12	2	115
	C132240	1.00	846		9	2	101
	C132241	1.00	1,000		7	2	83
	C132242	1.00	1,000		7	2	154
	C132243	1.00	1,000		8	2	106
	C132244	1.00	962		7	2	106
	C132245	1.00	1,000		<5	<1	96

Lemarie/ Trench	Sample No.	Width (m)	Cu ppm	Cu %	Au ppb (gm/mt)	Mo ppm	Zn ppm
PULLEBY CR. ZONE	479363	3.15	57	<.01	(0.03)	53	81
	479364	2.00	191	<.01	(0.03)	10	111
	479365	2.00	29	<.01	(0.02)	3	8
	479366	2.00	<1	<.01	(0.02)	1	4
	479367	1.00	10	<.01	(0.02)	1	134
	479368	1.00	12	<.01	(0.01)	1	8
	479369	grab	2,064	<.01	(0.01)	61	39
	479369	grab	1,362	<.01	(0.03)	37	36
	479370	grab	1,418	<.01	(0.01)	41	108
	479943		134		(0.01)	1	86
	91AJM167K-125226	grab	1,084	0.12	11	11	19,240
	91AJM167K-125227	grab	1,000	0.11	11	11	1,000
	91AJM167K-125228	grab	5,697	0.58	59	1	241
	91AJ0036-126146	grab	80		186	3	85
	91AJM167K-126148	grab	12,966	0.57	<5	<1	119
	91AJM167K-126149	grab	3600		<5	<1	125
	91AJ0036-125402	grab	2,520	0.22	<5	8	76
	91AJM167K-126150	grab	8,977	0.24	22	<1	98
	91AJM167K-126151	grab	13,113	0.34	22	<1	986
	91AJM167K-126152	grab	898		<5	<1	811
	91AJM167K-126153	grab	864		<5	<1	121
	91AJM167K-126154	grab	1,340	0.12	<5	1	98
	91AJM167K-126155	rep. of 151	74		<5	5	31
	91AJM167K-125376	grab	356	0.14	<5	1	6
	91AJM167K-125377	grab	1,670	0.14	30	3	58
	91AJM167K-125378	grab	2,411	0.31	20	40	79
	91AJM167K-125379	grab	91		<5	49	236
	91AJM167K-125380	grab	1,000	0.12	12	1	118
	91AJM167K-126156	float	6,007	0.64	12	21	59
	91AJM167K-125362	grab	1,000	0.16	<5	<5	29
	91AJM167K-125363	grab	107		<5	<1	30
	91AJM167K-125365	grab	8		<5	1	13
	91AJM167K-125366	grab	106		<5	<1	115
	91AJM167K-125367	grab	1,000	0.26	<5	<1	81
	91AJM167K-125368	grab	4,064	0.89	<5	<1	83
EAST CULLEET AREA	91AJM167K-131207	grab	5		<5	2	59
	91AJM167K-131208	grab	6		<5	2	80
	91AJM167K-131209	grab	8		<5	2	90
	91AJM167K-131210	grab	547		<5	2	76
	91AJM167K-131211	grab	102		<5	<1	67
	91AJM167K-131212	grab	911		<5	1	121
	91AJM167K-131213	grab	954		<5	2	114
	91AJM167K-131214	grab	1,000		<5	2	114
	91AJM167K-131215	grab	20		<5	2	58
	91AJ0036-129401	grab	23		<5	16	16
	91AJM167K-130301	float	23		<5	2	51
	91AJM167K-131216	grab	13		<5	2	51

Lemarie/ Trench	Sample No.	Width (m)	Cu ppm	Cu %	Au ppb (gm/mt)	Mo ppm	Zn ppm
NORTH LAKE ZONE	479313	1.00	16		(0.02)	11	47
	479314	grab	39		(0.01)	1	13
	479315	grab	10		(0.01)	1	13
	479316	grab	24		(0.01)	1	9
	479317	1.50	1,334		(0.01)	1	134
	479318	grab	1,064		(0.01)	12	17
	479319	1.00	21		(0.01)	1	31
	479398	grab	498		(0.02)	30	8
	91JM167C-131251	0.80	146		<5	<1	92
	C131252	0.95	51		<5	<1	78
	C131253	0.50	34		<5	<1	67
	C131254	1.00	8		11	<1	56
	C131255	1.00	11		10	<1	54
	C131256	1.00	11		9	<1	93
	C131257	0.90	1,131	0.11	<5	30	44
	C131258	1.00	780		<5	1	43
	C131261	1.00	0.936	0.10	<5	<1	58
	C131262	1.00	977		<5	<1	59
	C131263	0.90	38		11	1	46
	C131264	1.00	55		10	1	58
	C131265	1.00	35		<5	1	146
	C131266	1.00	35		<5	2	127
	C131267	1.00	376		<5	2	811
	C131268	1.00	226		<5	1	302
	C131269	1.00	866		7	1	118
	C131270	1.00	1,837	0.20	7	1	118
	C131271	1.00	44		<5	1	95
	C131272	0.90	106		<5	<1	67
	C131275	1.00	98		8	1	52
	C131276	1.00	88		8	1	52
	C131277	1.00	260		<5	28	8
	C131278	1.00	150		<5	49	7
	C131279	1.00	458		<5	11	7
	C131280	1.00	445		<5	11	7
	C131281	1.00	519		<5	10	7
	C131282	1.00	1,000		<5	33	9
	C131283	1.00	183		<5	38	6
	C131284	1.00	854		<5	38	6
	91AJM167K-131111	grab	18		15	11	28
	91AJM167K-131112	grab	1,000		10	2	60
	C131113	grab	1,418	0.12	<5	2	45
	C131110	grab	137		<5	2	35
	C131116	0.50	7,040	0.47	<5	2	31
	C131117	0.60	1,643	0.12	<5	14	22
	C131118	1.00	91		<5	2	29
	C131119	grab	38		<5	1	286
SOUTH LAKE ZONE	479356	grab	1,000		(0.02)	1	52
	479357	grab	2,597		(0.02)	78	35
	479358	grab	1,951		(0.01)	5	87
	479360	grab	886		(0.01)	22	11
	479361	grab	1,000		(0.01)	11	11
	479362	grab	1,292		(0.01)	84	14
	91JM167K-131125	grab	2,064		(0.01)	1	51
	C131126	grab	1,290		(0.01)	6	14
	91JM167K-131085	grab	107		10	11	98
	C131086	grab	2,178	0.12	<5	106	36
	C131087	grab	361		<5	28	34

Harvey Cove

Culleet

Le Mare Lake

LEMARE 1 LEMARE 2

LEMARE 3 LEMARE 4

50°25'

EXPLANATION

- Soil Sample
- Moss mat
- Road
- Creek
- Bridge

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

0 50 100 150 200 250 m

STOW RESOURCES LTD.

LEMARE PROPERTY

SAMPLE LOCATIONS
SOIL and MOSS MAT

1 DATE: Oct 1998	NTS: 92L/7W
2 PROJECT: VANCOUVER ISLAND	BC. AOB.MT
3 SCALE: 1:2500	
Kerswater Engineering Inc.	MAP No. 19

Harvey Cove

Culleet

Ck

Le Mare Lake

1000

1500

50°25'

LEMARE 1 LEMARE 2

LEMARE 3 LEMARE 4

EXPLANATION

- Soil sample with Cu ppm
- Moss mat with Cu ppm
- Road
- Creek
- Bridge
- Cu values >70 ppm

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

0 50 100 150 200 250 m

STOW RESOURCES LTD.

LEMARE PROPERTY

GEOCHEMISTRY

Cu PPM

SOIL and MOSS MAT

DATE: Oct. 1991 | NTS: 92L/SW

PROJECT: VANCOUVER ISLAND | LAT. 50° LONG. 127°

SCALE: 1:2,500

Mineralex Engineering Inc. | MAP No.: 20

Harvey Cove

Culleet

Ck

Le Mare Lake

1000

1500

1000

50°25'

LEMARE 1 LEMARE 2

LEMARE 3 LEMARE 4

EXPLANATION

- 72 Soil sample with Au ppb
- 10 Moss mat with Au ppb
- – Au ppb <5
- 100 Insufficient sample
- Creek
- Bridge
- Road
- Au values >20 ppb

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

0 50 100 150 200 250 m

STOW RESOURCES LTD.

LEMARE PROPERTY

GEOCHEMISTRY

Au PPB

SOIL and MOSS MAT

DATE: Oct. 1991	NTS: 92L/3W
DIST. OF: VANCOUVER ISLAND	BY: A.OBLIN
SCALE: 1:5000	
Geotex Engineering Inc.	MAP No. 21

Harvey Cove

Culleet

Le Mare Lake

Ck

1000

1100

1200

50°25'

LEMARE 1 | LEMARE 2

LEMARE 3 | LEMARE 4

EXPLANATION

- 29 — Soil sample with Mo ppm
- □ 2 — Moss mat with Mo ppm
- — Mo ppm < 1
- 100 — Insufficient sample
- Creek
- Bridge
- Road
- Mo values > 4 ppm

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

0 50 100 150 200 250 ft

STOW RESOURCES LTD.

LEMARE PROPERTY

GEOCHEMISTRY

Mo PPM

SOIL and MOSS MAT

DATE: Oct 1991 | NTS: 92L/5W

PROJECT: VANCOUVER ISLAND | BY: AOB, AT

SCALE: 1:2,500

Keewatin Engineering Inc. | MAP No. 22

Harvey Cove

Culleet

Ck

Le Mare Lake

1000

50°25

LEMARE 1 LEMARE 2

LEMARE 3 LEMARE 4

EXPLANATION

- 197 soil sample with Zn ppm
- 221 Moss mat with Zn ppm
- Road
- Creek
- Bridge
- Zn values > 270 ppm

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

0 50 100 150 200 250 m

STOW RESOURCES LTD.

LEMARE PROPERTY

GEOCHEMISTRY

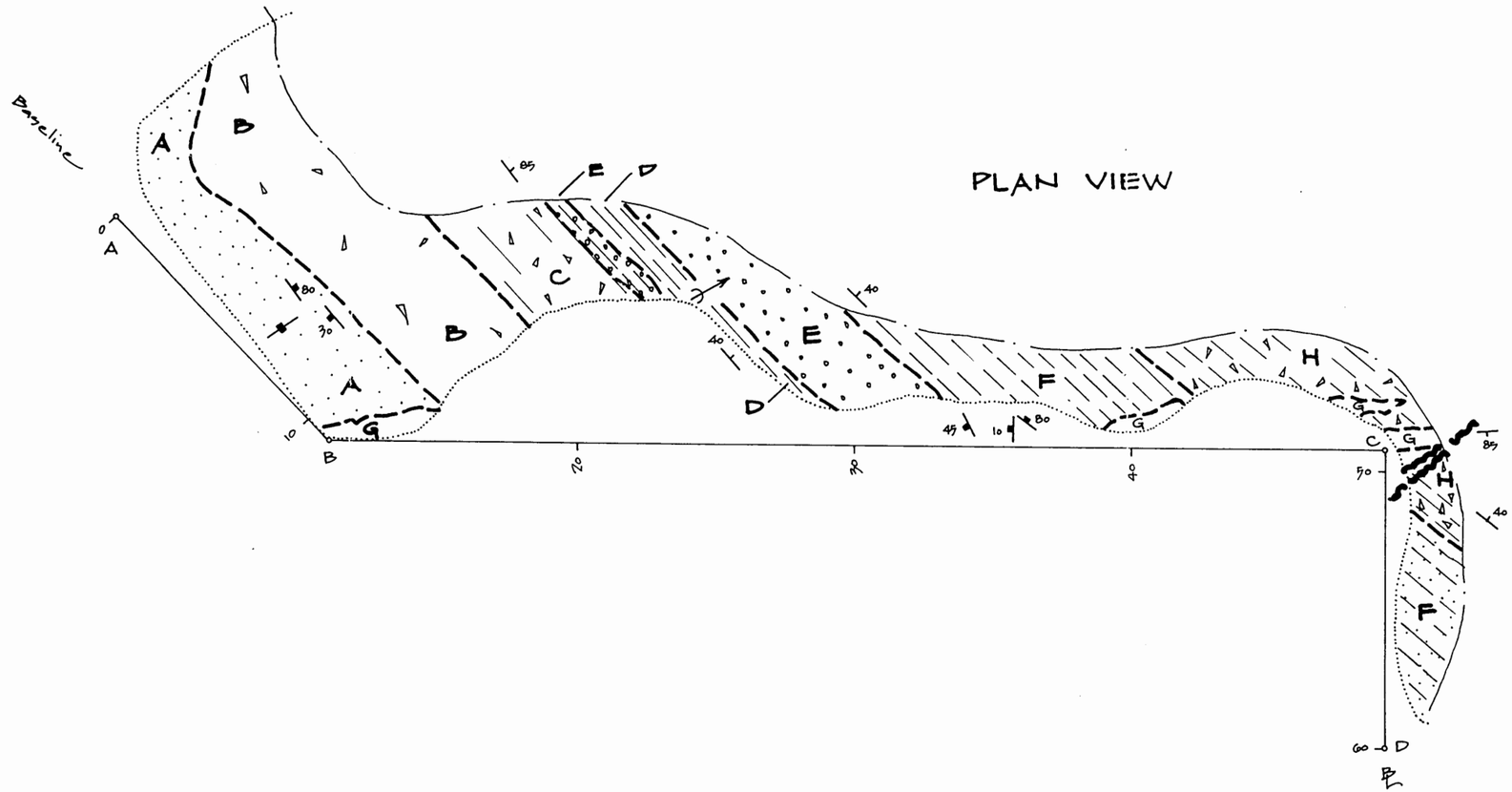
Zn PPM

SOIL and MOSS MAT

DATE: Oct. 1991	NTS: 92L/7W
PROJECT: VANCOUVER ISLAND	BY: AOB, AT
SCALE: 1:2500	
Interpretive Engineering Inc.	MAP NO. 29

North

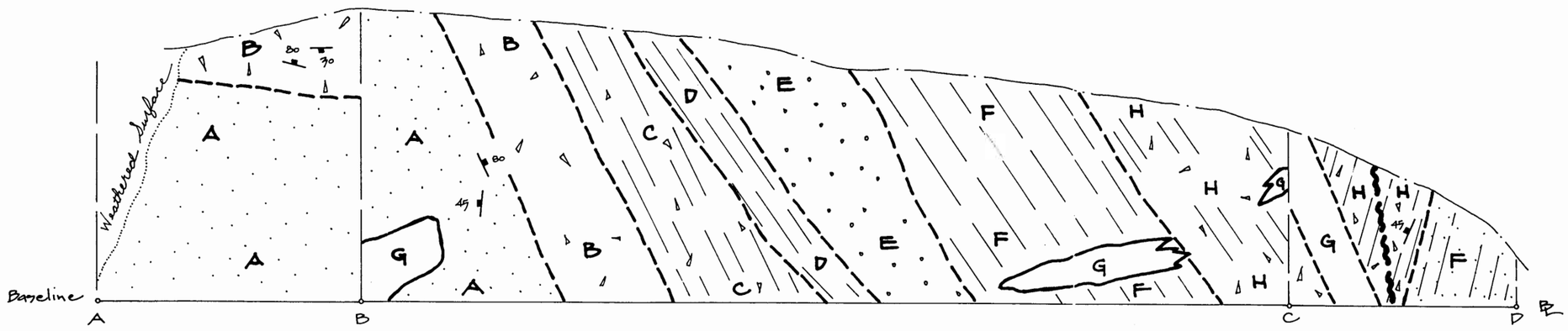
PLAN VIEW



EXPLANATION

- A — Massive Fined grained andesite flow; white weathering, apple green silicification (Ags)
- B — Chatoic polylithic breccia (Ags)
- C — Mixed andesite breccia and laminated dacite tuff
- D — Laminated dacite tuff
- E — Amygdaloidal andesite flow
- F — Laminated andesite - dacite tuff
- G — Gabbro dyke
- H — Laminated andesite - locally brecciated

- Geologic contact
- Fault
- Outcrop
- 80 — Joint
- 40 — Bedding
- Micro Fold
- C, 50 — Baseline



CROSS SECTION VIEW
Looking South

0 2 4 6 8 10 m
Scale 1:200

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

STOW RESOURCES LTD.

LEMARE PROPERTY
GORBY SHOWING
PLAN AND CROSS SECTION
GEOLOGY & STRUCTURE

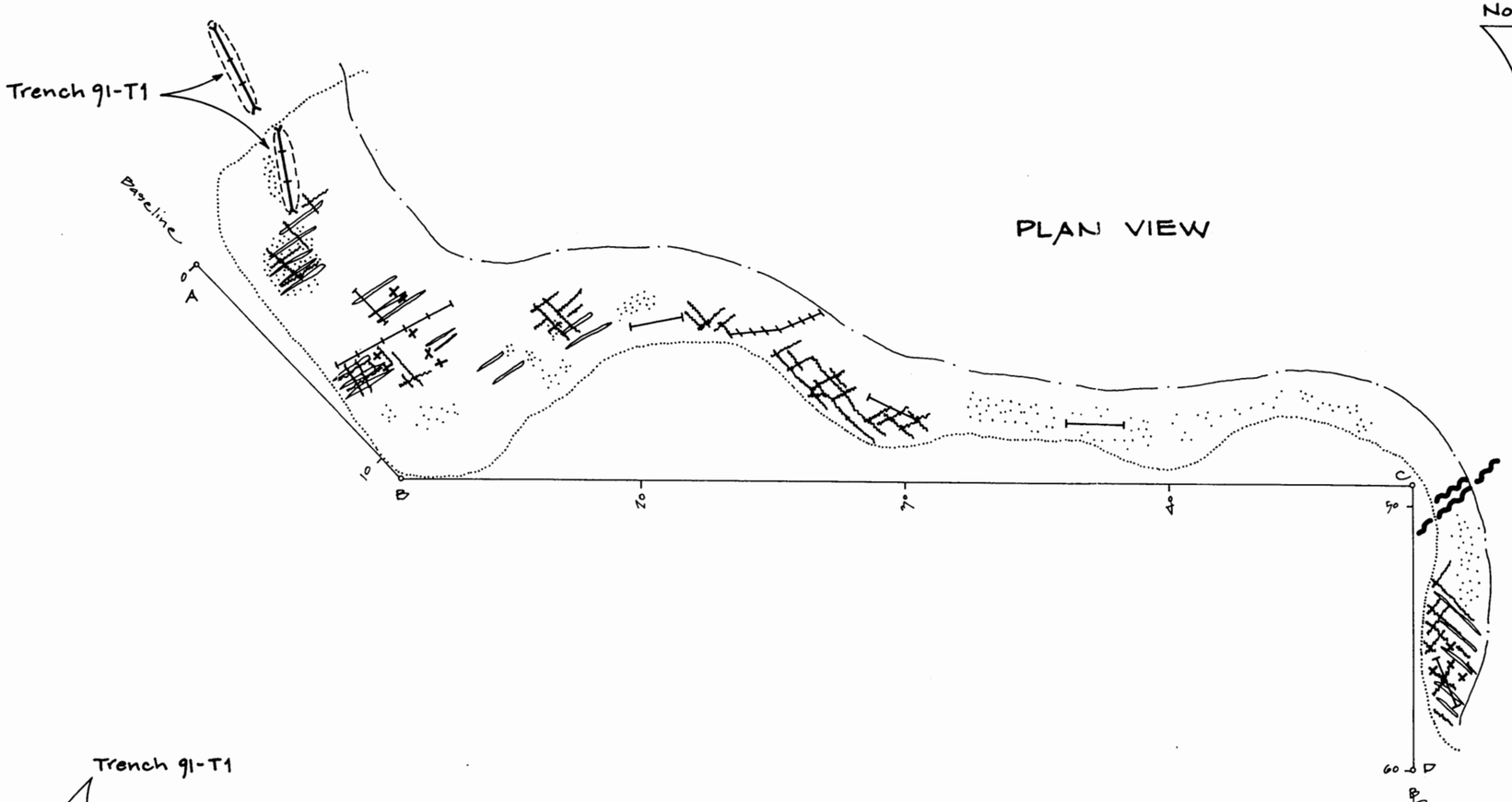
DATE: Oct. 1991	NTS: 92L/5W
PROJECT: 167	PROJ. GEOL.: AOB
SCALE: 1:200	
Keewatin Engineering Inc.	MAP No. **24**

North

Trench 91-T1

Baseline

PLAN VIEW



EXPLANATION

- Minor disseminated chalcopyrite
- Minor fractured controlled chalcopyrite
- Quartz veining, stockwork
- Platy calcedonic intergrowths (hematite - jasper)
- Fault
- Outcrop
- Trench
- Chip sample with number
- Baseline (C, 50)

Trench 91-T1

CROSS SECTION VIEW
Looking South

0 2 4 6 8 10 m.
Scale 1:200

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

STOW RESOURCES LTD.

LEMARE PROPERTY
GORBY SHOWING
PLAN AND CROSS SECTION
MINERALIZATION

DATE: Oct. 1991	NTS: 92 L/5W
PROJECT: 167	PROJ. GEOL.: AOB
SCALE: 1:200	
Keewatin Engineering Inc.	MAP No. 25

North

PLAN VIEW

Trench 91-T1

91JM167C131456
91JM167C131455
91JM167C131454
91JM167C131453
91JM167C131452
91JM167C131451

1.4m, 1.0m, 1.0m, 1.9m, 1.0m, 1.0m

Baseline

A, B, C, D

91CK167C125357 — 1.7m.
91AB167C125407
91AB167C125406
91AB167C125405
91AB167C125404
91AB167C125403

91CK167C125358 — 2.0m.
91JM167C125383

91JM167C125390 — 1.7m.
91CK167C125359 — 2.0m.
91CK167C125360 — 2.15m.
91CK167C125361 — 2.0m.

EXPLANATION

91CK167C125359 / 2.0m. — Chip sample with number and width in metres
Fault
Outcrop
Baseline
Results;
524, <5, <1, 103 — Cu ppm, Au ppb, Mo ppm, Zn ppm
(0.17% Cu) — Copper in %

0 2 4 6 8 10m
Scale 1:200

CROSS SECTION VIEW

Looking South

Trench 91-T1

91JM167C131456 — 1.4m. — 572, <5, <1, 71
91JM167C131455 — 1.0m. — 19, <5, <1, 91
91JM167C131454 — 1.0m. — 48, <5, <1, 102
91JM167C131453 — 1.9m. — 455 — 71, <5, <1, 83
91JM167C131452 — 1.0m. — 452 — 12, <5, <1, 82
91JM167C131451 — 1.0m. — 454 — 401, <5, 2, 90

Weathered surface

91CK167C125357 — 1.7m. — 83, <5, 2, 129
91AB167C125407 (0.01% Cu) 120, <5, <1, 76
91AB167C125406 (0.02% Cu) 209, <5, <1, 109
91AB167C125405 (0.03% Cu) 524, <5, <1, 103
91AB167C125404 (0.06% Cu) 697, <5, <1, 113
91AB167C125403 (0.04% Cu) 391, <5, 1, 93

91CK167C125358 — 2.0m. — (0.17% Cu) 1790, <5, 3, 78

91JM167C125390 372, <5, <1, 69
389 128, <5, <1, 77
388 163, <5, <1, 73
387 190, <5, <1, 89
386 220, <5, 9, 73
385 262, <9, 7, 90
384 74, <5, 3, 73
91JM167C125383 118, <5, <1, 60

91CK167C125359 — 2.0m. — (0.14% Cu) 1333, <5, 2, 73
91CK167C125360 — 2.15m. — 149, <5, 1, 82
91CK167C125361 — 2.0m. — 104, <5, <1, 114

Baseline — A, B, C, D

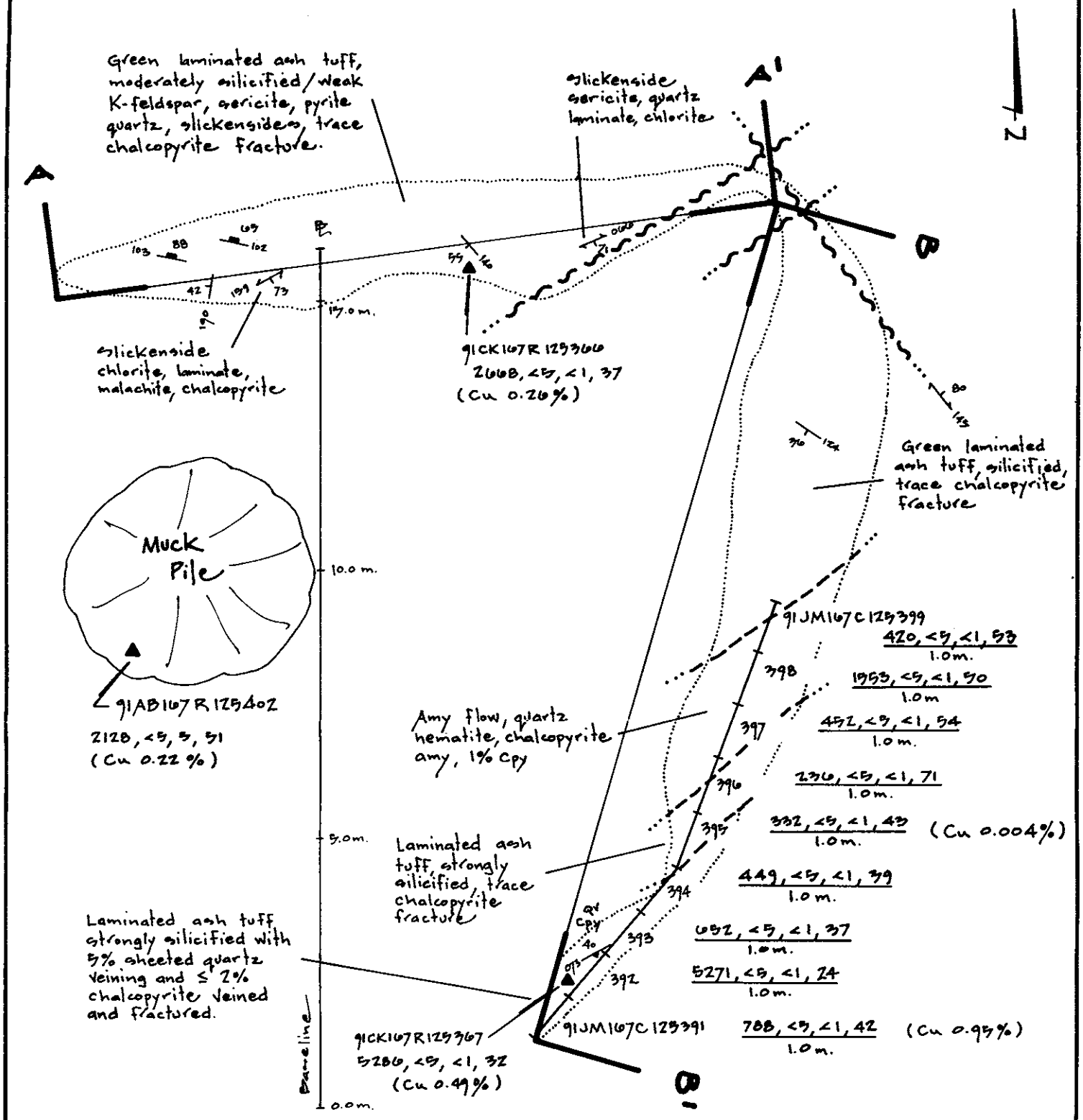
GEOLOGICAL BRANCH ASSESSMENT REPORT

22,162

STOW RESOURCES LTD.

LEMARE PROPERTY
GORBY SHOWING
PLAN AND CROSS SECTION
SAMPLE LOCATION and RESULTS

DATE: Oct. 1991	NTS: 92L/5W
PROJECT: 167	PROJ. GEOL.: AOB
SCALE: 1:200	
Keewatin Engineering Inc.	MAP No. 26



EXPLANATION

- Contact
- Fault
- Outcrop
- Strike & dip
- Shear
- Joint
- Chip sample with number
- Quartz vein
- Cross section
- Rock sample with results, Cu ppm, Au ppb, Mo ppm, Zn ppm, (Copper %)

Cu ppm, Au ppb, Mo ppm, Zn ppm (Copper %)
Metres

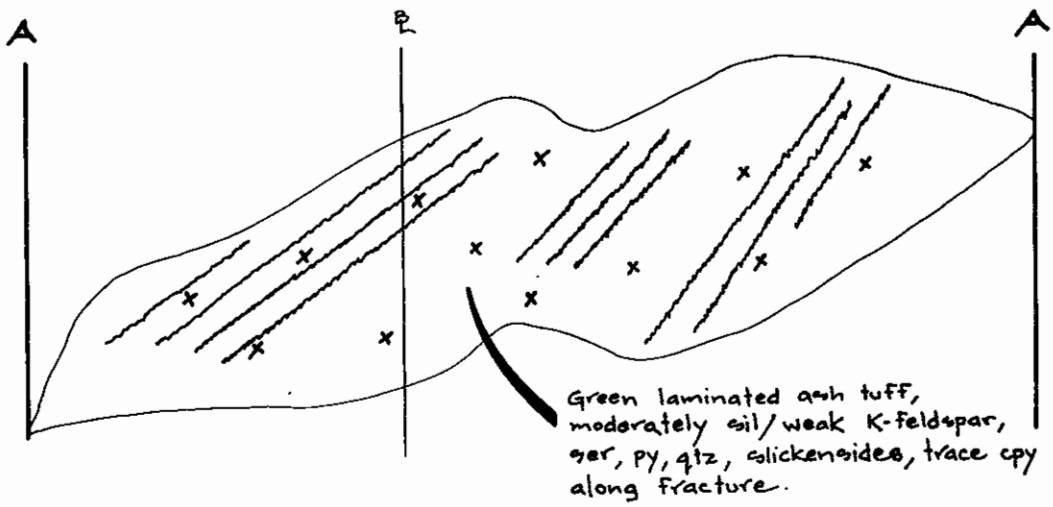
STOW RESOURCES LTD.

LEMARE PROPERTY

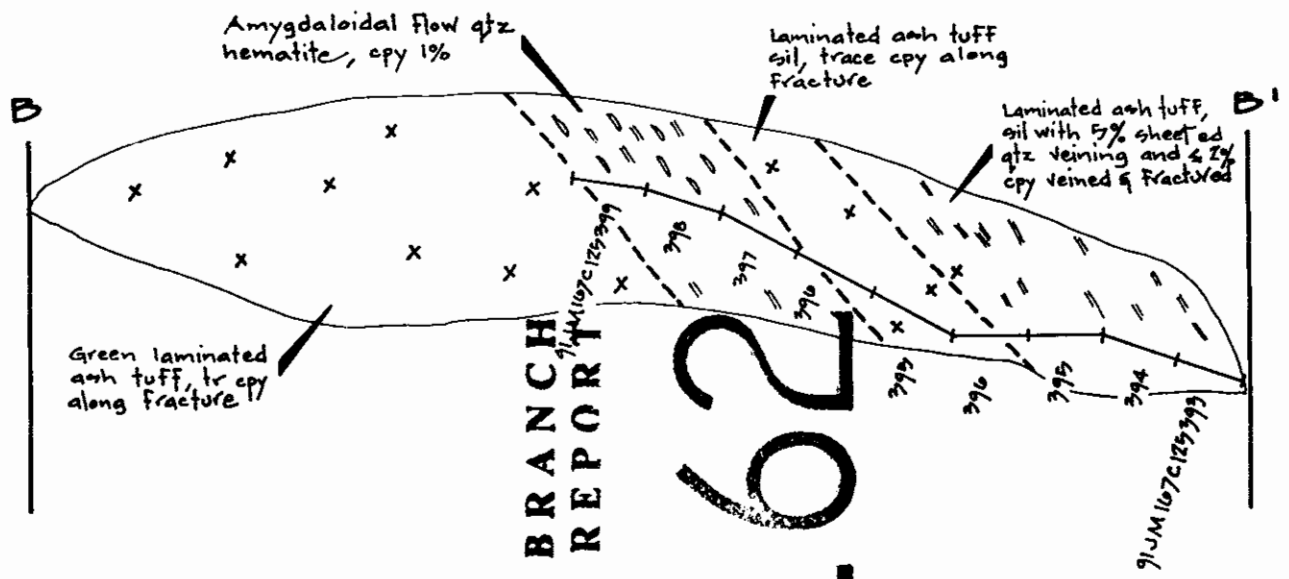
BORIS SHOWING PLAN VEIW

DATE: Nov. 1991	NTS: 92L/5W
PROJECT: 167	GEOL.: JM
SCALE: 1:100	
Keewatin Engineering Inc.	MAP No. 27

Looking North



Looking East



EXPLANATION

- Geologic contact
- Fracture
- X — Fractured chalcopyrite
- Veined chalcopyrite
- Amygdaloid flow
- B, Baseline
- Chip sample with number

NOTE: Results on PLAN VEIN (Map No. 26)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

STOW RESOURCES LTD.

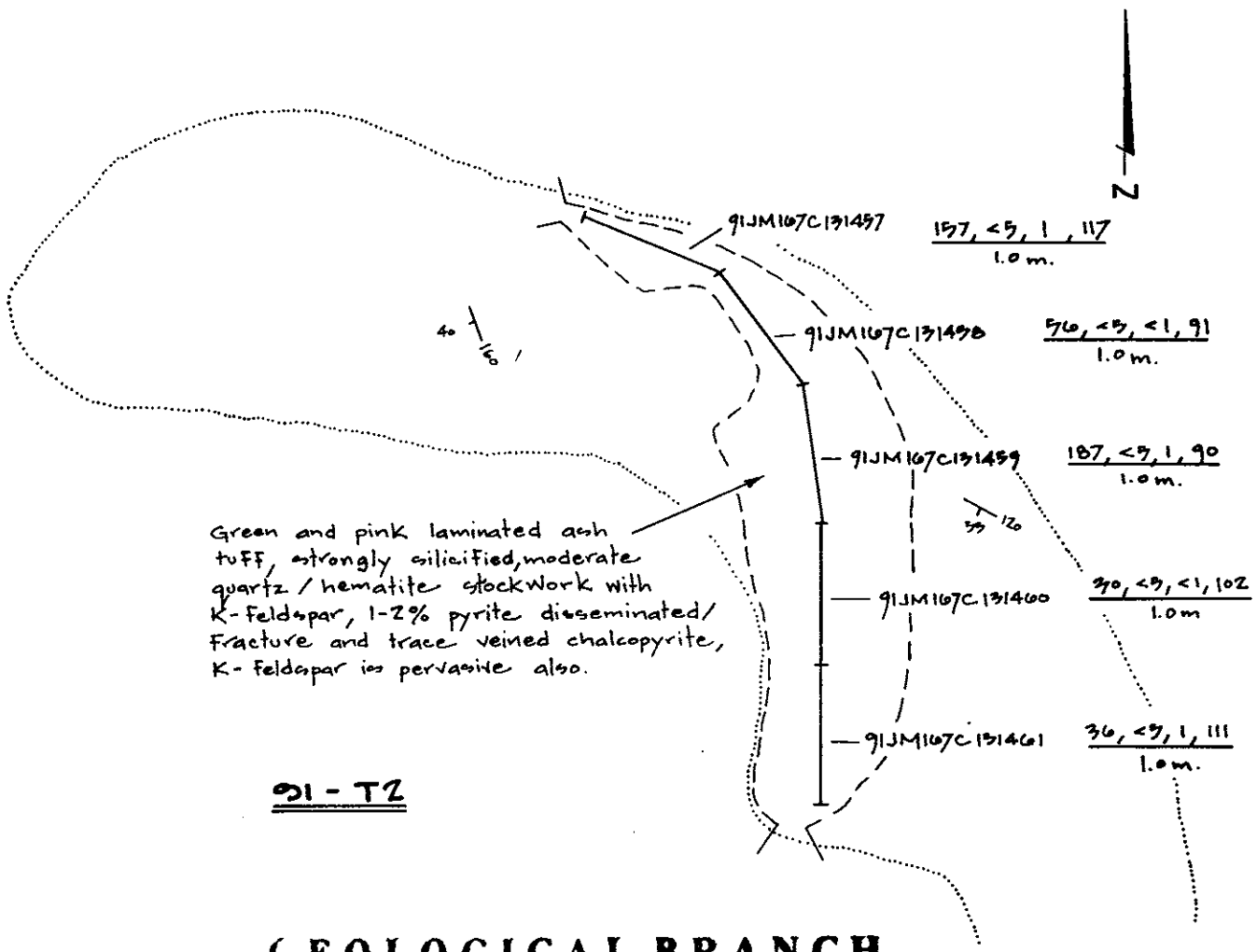
LEMARE PROPERTY

BORIS SHOWING

CROSS SECTIONS

A - A' & B - B'

DATE: Nov. 1991	NTS: 92L/5W.
PROJECT: 167	PROJ. GEOL.: JM
SCALE: 1:100	
Keewatin Engineering Inc.	MAP No. 28



GEOLOGICAL BRANCH ASSESSMENT REPORT

22,162

EXPLANATION

0 1.0 2.0m
Scale 1:50

Outcrop

Trench

Chip sample with number

96, 12, <1, 90 Cu ppm, Au ppb, Mo ppm, Zn ppm
1.0 Metres

STOW RESOURCES LTD.

LEMARE PROPERTY
TRENCH MAP
91 - T2

DATE: Oct. 1991	NTS: 92L/5W
PROJECT: 167	GEOL.: J.M.
SCALE: 1:50	
Keewatin Engineering Inc.	MAP No. 29

N

91JM167C131487 204, <5, <1, 76 / 1.0 m.

91JM167C131486 119, <5, <1, 54 / 1.0 m.

91JM167C131485 44, <5, <1, 55 / 1.0

91JM167C131484 157, <5, <1, 65 / 1.3

Apple green and pink ash tuff. Silicification/ K-Feldspar, 1-2% Finely disseminated pyrite; trace to 1.0% chalcopyrite, disseminated/Fractured. Moderate quartz veining.

91-T8

91JM167C131466 846, <5, 1, 55 / 1.0 m.

91JM167C131467 750, <5, 2, 77 / 1.45 m.

Fine grained green volcanic, strongly silicified moderate quartz stockwork with 0.5-3.0% chalcopyrite, K-Feldspar envelope veins.

91-T3

91JM167C131462 (Cu 0.29%) 2695, <5, 5, 71 / 1.0 m.

91JM167C131463 (Cu 0.63%) 5842, <5, 6, 87 / 1.0 m.

91JM167C131464 (Cu 0.54%) 5051, <5, 6, 59 / 1.0 m

91JM167C131465 Cu 0.19% 1668, <5, 5, 66 / 1.0 m.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

EXPLANATION

- Contact
- Outcrop
- Trench
- Chip sample with number

1688, <5, 5, 66 / 1.0 m.

Cu ppm, Au ppb, Mo ppm, Zn ppm / Metres

0 1.0 2.0 m
Scale 1:50

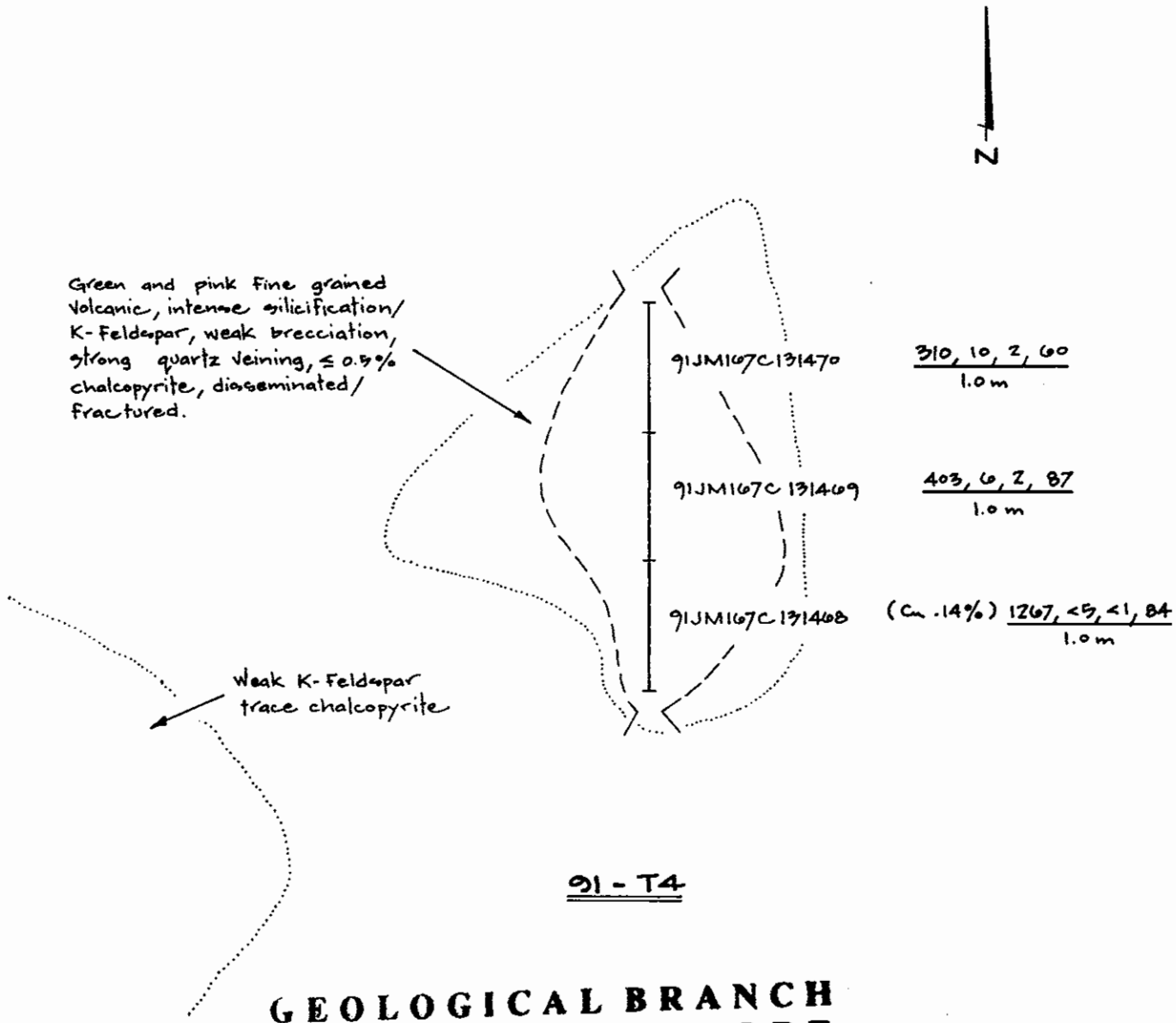
STOW RESOURCES LTD.

LEMARE PROPERTY

TRENCH MAP

91-T3 & 91-T8

DATE: Oct. 1991	NTS: 92 L/5 W
PROJECT: 167	GEOL.: J.M.
SCALE: 1:50	
Keewatin Engineering Inc.	MAP No. 30



91 - T4

GEOLOGICAL BRANCH ASSESSMENT REPORT

22,162

EXPLANATION

0 1.0 2.0m
Scale 1:50

..... Outcrop

Trench

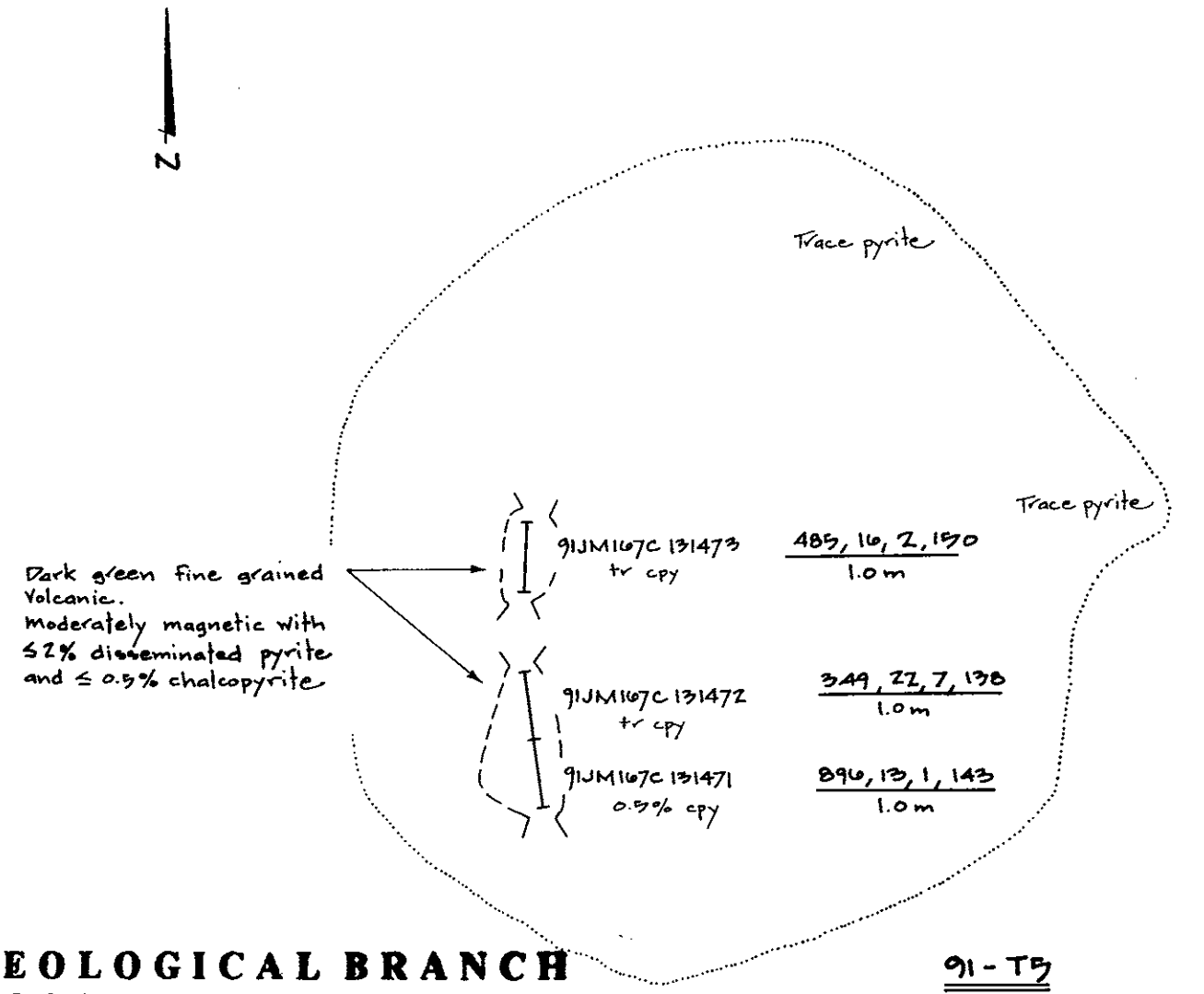
Chip Sample with number

$\frac{86, 12, <1, 60}{1.0}$ Cu ppm, Au ppb, Mo ppm, Zn ppm / Metres

STOW RESOURCES LTD.

LEMARE PROPERTY
TRENCH MAP
91 - T4

DATE: Oct. 1991	NTS: 92L/5W
PROJECT: 167	GEOL.: J.M.
SCALE: 1:50	
Keewatin Engineering Inc.	MAP No. 31



GEOLOGICAL BRANCH
ASSESSMENT REPORT

91-T5

22,162

EXPLANATION

0 1.0 2.0m
Scale 1:50

..... Outcrop

Trench

Chip Sample with number

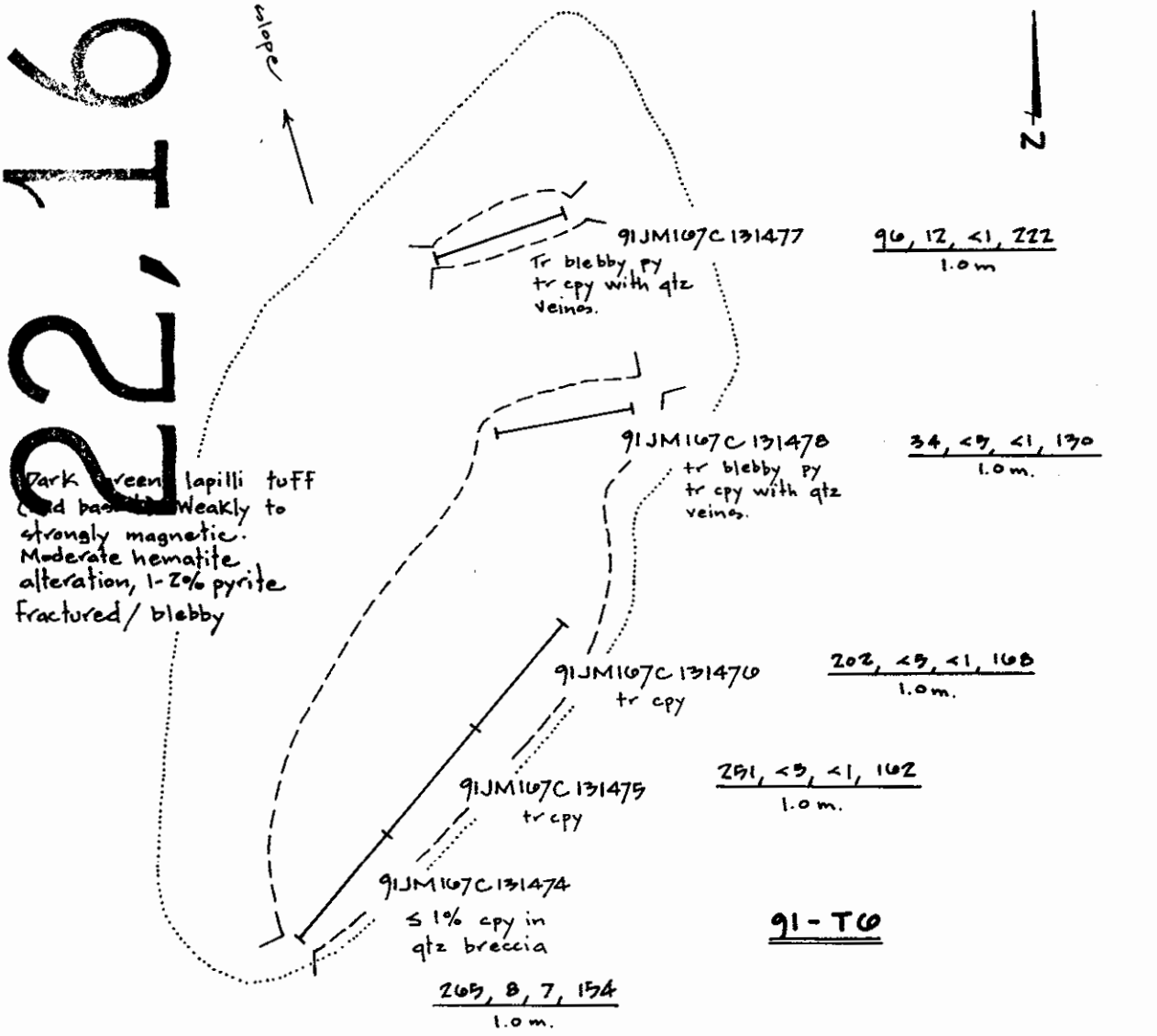
96, 12, <1, 100 / 1.0 — Cu ppm, Au ppb, Mo ppm, Zn ppm / Metres

STOW RESOURCES LTD.

LEMARE PROPERTY
TRENCH MAP
91-T5

DATE: Oct. 1991	NTS: 92L/5W
PROJECT: 167	GEOL.: J.M.
SCALE: 1:50	
Keewatin Engineering Inc.	MAP No. 32

GEOLOGICAL BRANCH
ASSESSMENT REPORT
22,162



EXPLANATION

- Outcrop
- Trench
- Chip sample with number

269, 8, 7, 154 (1.0m.) — Cu ppm, Au ppb, Mo ppm, Zn ppm

Metres

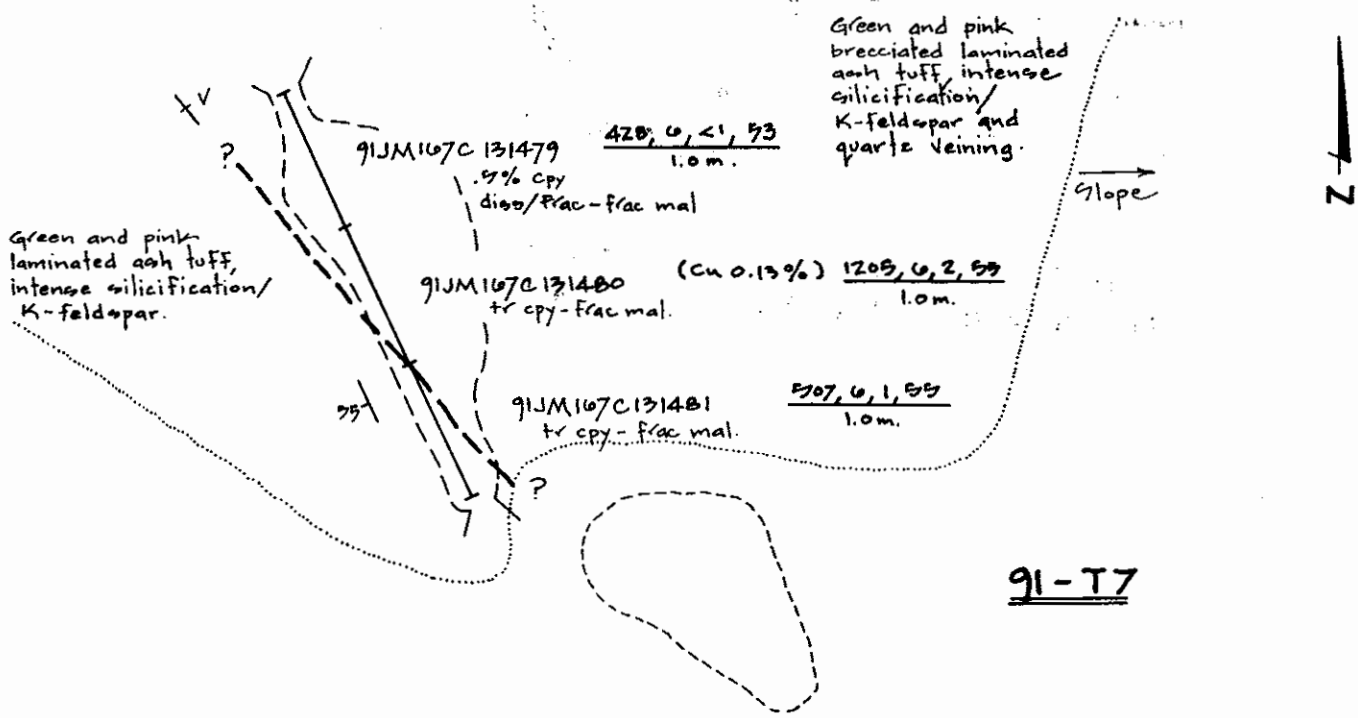
0 1.0 2.0m

scale 1:50

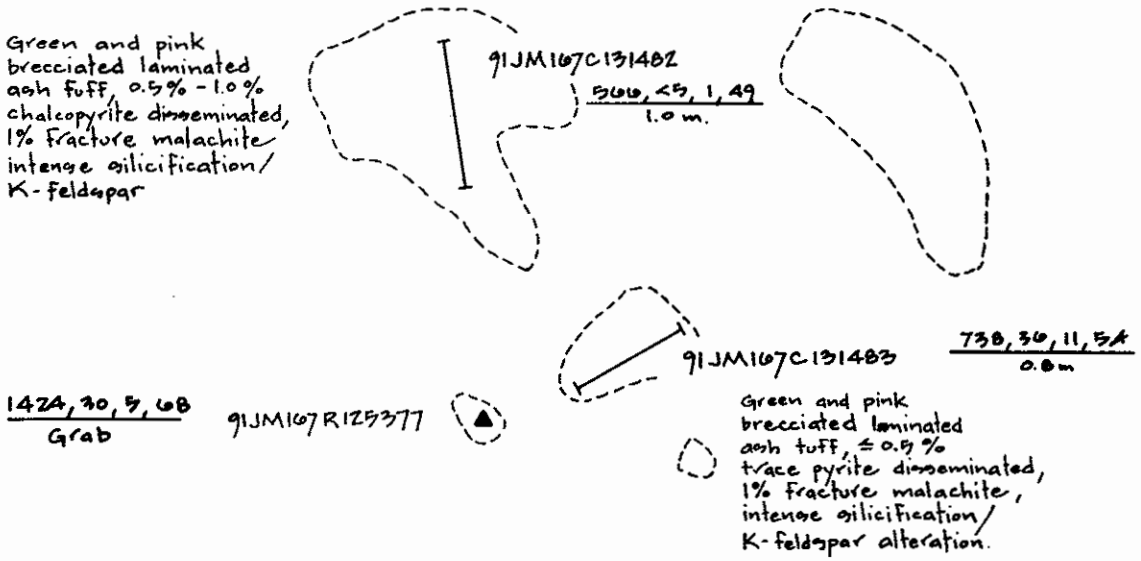
STOW RESOURCES LTD.

LEMARE PROPERTY
TRENCH MAP
91-T6

DATE: Oct. 1991	NTS: 92L/5W
PROJECT: 167	GEOL.: J.M.
SCALE: 1:50	
Keewatin Engineering Inc.	MAP No. 33



91-T7



EXPLANATION

- Contact
- Outcrop
- 55 Strike and dip
- Trench
- Chip sample with number
- Float boulders

738, 30, 11, 5A
1.0 m.

Cu ppm, Au ppb, Mo ppm, Zn ppm
Metres

0 1.0 2.0m
Scale 1:50

STOW RESOURCES LTD.

LEMARE PROPERTY
TRENCH MAP
91-T7

DATE: Oct. 1991	NTS: 92L/5W
PROJECT: 167	GEOL: J.M.
SCALE: 1:50	
Keewatin Engineering Inc.	MAP No. 34

N

91JM167C-131500 (Cu 0.6%) 5793, 8, <1, 161 — 1.0m
91JM167C-131499 214, <5, <1, 89 — 1.0 m.
91JM167C-131498 326, <5, 3, 56 — 1.0m
91JM167C-131497 591, <5, 2, 78 — 1.0m.
91JM167C-131496 (Cu 0.14%) 1104, <5, 3, 86 — 1.0m
91JM167C-131495 (Cu 0.14%) 1080, <5, <1, 79 — 1.0m.
91JM167C-131494 (Cu 0.23%) 1901, 6, 1, 74 — 1.0m.
91JM167C-131493 980, <5, <1, 83 — 1.0m.
91JM167C-131492 514, 8, <1, 104 — 1.0m.
91JM167C-131491 823, 6, 1, 82 — 1.0m.
91JM167C-131490 (Cu 0.14%) 1120, 6, 2, 115 — 1.0m.
91JM167C-131489 899, <5, 1, 141 — 1.0m.
91JM167C-131488 741, <5, 1, 121 — 1.0m.

891, 13, 2, 146 — 1.0m.
91CK167C-125230
Cu 0.12% 1091, 12, 5, 171 — 1.0m.
91CK167C-125231
337, 7, 2, 114 — 1.0m.
91CK167C-125234
346, 7, 2, 115 — 1.0m.
91CK167C-125233
91CK167C-125232 840, 7, 3, 143 — 1.0m.
91CK167C-125229 979, 11, 1, 83 — 1.0m.

91CK167C-125237 588, <5, <1, 96 — 1.0m
91CK167C-125236 863, <5, 2, 100 — 1.0m.
91CK167C-125235 908, <5, 1, 54 — 1.0m.

GEOLOGICAL BRANCH ASSESSMENT REPORT

22,162

0 1.0 2.0 3.0 4.0 m.
Scale 1:100

EXPLANATION

Outcrop
Trench
Chip sample with number

(Cu 0.14%) > 1000 ppm - chemical analysis to %

908, <5, 1, 54 — 1.0 m.
Cu ppm, Au ppb, Mo ppm, Zn ppm — 1.0 metres

STOW RESOURCES LTD.

LEMARE PROPERTY

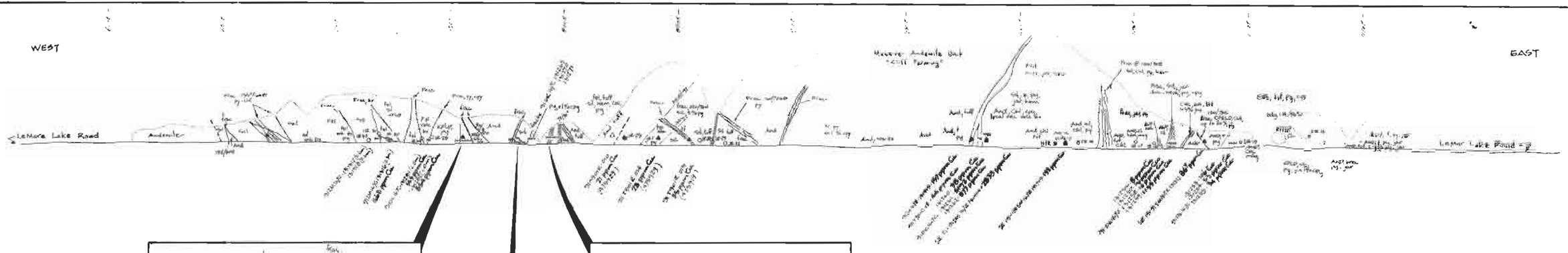
TRENCH MAP

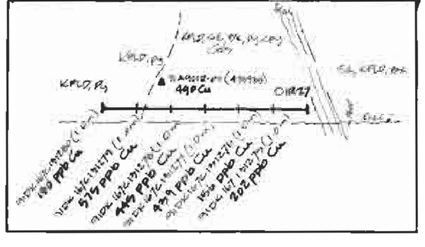
HARVEY COVE SHOWING

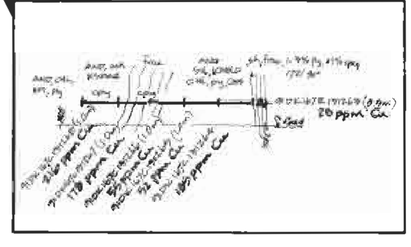
DATE: Oct. 1991	NTS: 92L/5W
PROJECT: 167	GEOL: J.M.
SCALE: 1:100	
Keewatin Engineering Inc.	MAP No. 35

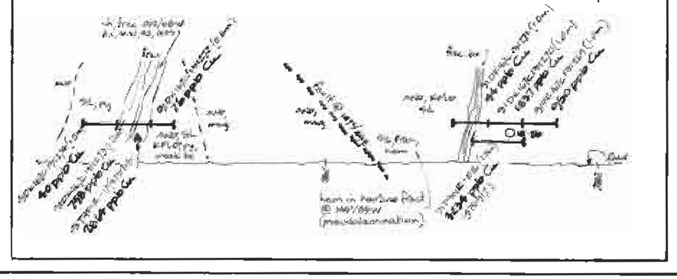
WEST

EAST









~ LEGEND ~

O - [illegible]

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H - [illegible]

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,162

STOW RESOURCES LTD.

LEMARE LAKE

NORTH LAKE ZONE

ROADSIDE SECTION

LOOKING NORTH

Geology: Ian McArthur Date: June 8-14, 1991

Scale: 1:1000

MAP No. 30