GEOLOGICAL & GEOCHEMICAL REPORT

ON THE

MAHATTA PROPERTY, NORTHERN VANCOUVER ISLAND

Nanaimo Mining Division, British Columbia
NTS 92L/5E
Latitude: 50' 27'N
Longitude: 127° 47'W

Prepared for

STOW RESOURCES LTD.
Vancouver, B.C.

Prepared by

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December 9, 1991

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1.0 SUMMARY

The Mahatta Property (six claims, 120 units) is situated along the south shore of Quatsino Sound, approximately 13 km west of the town of Port Alice on northern Vancouver Island. Access to the claims is by logging road from Port Alice. The claims are owned 100% by Stow Resources Ltd. of Vancouver, B.C. The principle target on the property is porphyry Cu-Mo-Au mineralization similar to that at the Island Copper Deposit (280 million tons at 0.52% Cu, 0.017% Mo).

Moss mat and stream silt sampling was completed over the property. The previously known Les Showing was re-located and sampled. The geological setting of the mineralization was established.

Copper mineralization at the Les Showing is associated with an iron-rich basic volcanic breccia and does not appear to be related to a porphyry Cu-Mo mineralized system. Additional copper mineralization was located near the previously known Cleagh showing and off the east boundary of the Mahatta 6 claim. The geochemical program did not indicate any significant metal responses from these mineralized areas.

A gold moss mat geochemical anomaly occurs on the north boundary of the Mahatta 2 claim, but it's significance is not known at this time.

A weak, widespread Mo anomaly occurs in soils and moss mats on the Mahatta 5 claim and may be related to a porphyry Cu-Mo mineralized source. This area is poorly exposed and grid soil geochemical surveys and magnetometer surveys are recommended to define specific exploration targets here.

2.0 INTRODUCTION

2.1 Location and Access

The Mahatta Property is located along the south shore of Quatsino Sound, approximately 13 km west of the town of Port Alice , B.C. (Figure 1).

NTS: 92L/5E
Latitude: 50° 27'N
Longitude: 127° 47'W

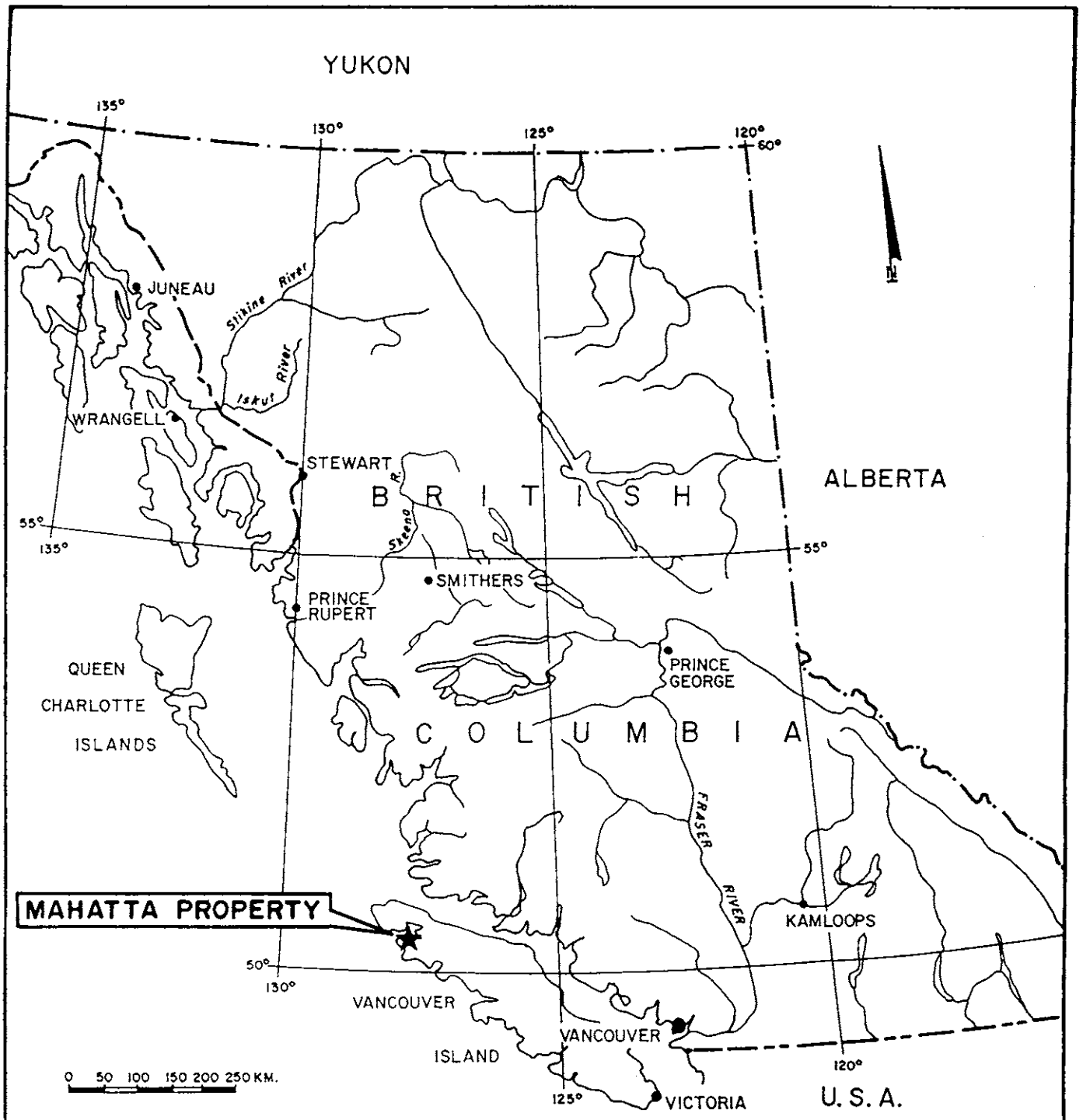
Access to the property is by an extensive system of logging roads which is connected to the main highway system at Port Alice. Much of the property is covered by thick second growth bush (overgrown clearcuts), and this makes foot access difficult off the existing logging roads.

2.2 Physiography and Climate

Climate in the area is mild and wet. Average mean precipitation is estimated to be in excess of 200 inches annually. Topography is moderate to gentle over most of the claim area. Some of the main stream valleys are steeply incised (e.g. Kewquodie Creek). The vegetation is characterized as west coast temperate rain forest.

2.3 Property Status and Ownership

The Mahatta property is 100% owned by Stow Resources Ltd. of Vancouver, B.C. and consists of six claims totalling 120 units (Figure 2). The claims are located in the Nanaimo Mining Division.



PROPERTY LOCATION MAP

Figure 1

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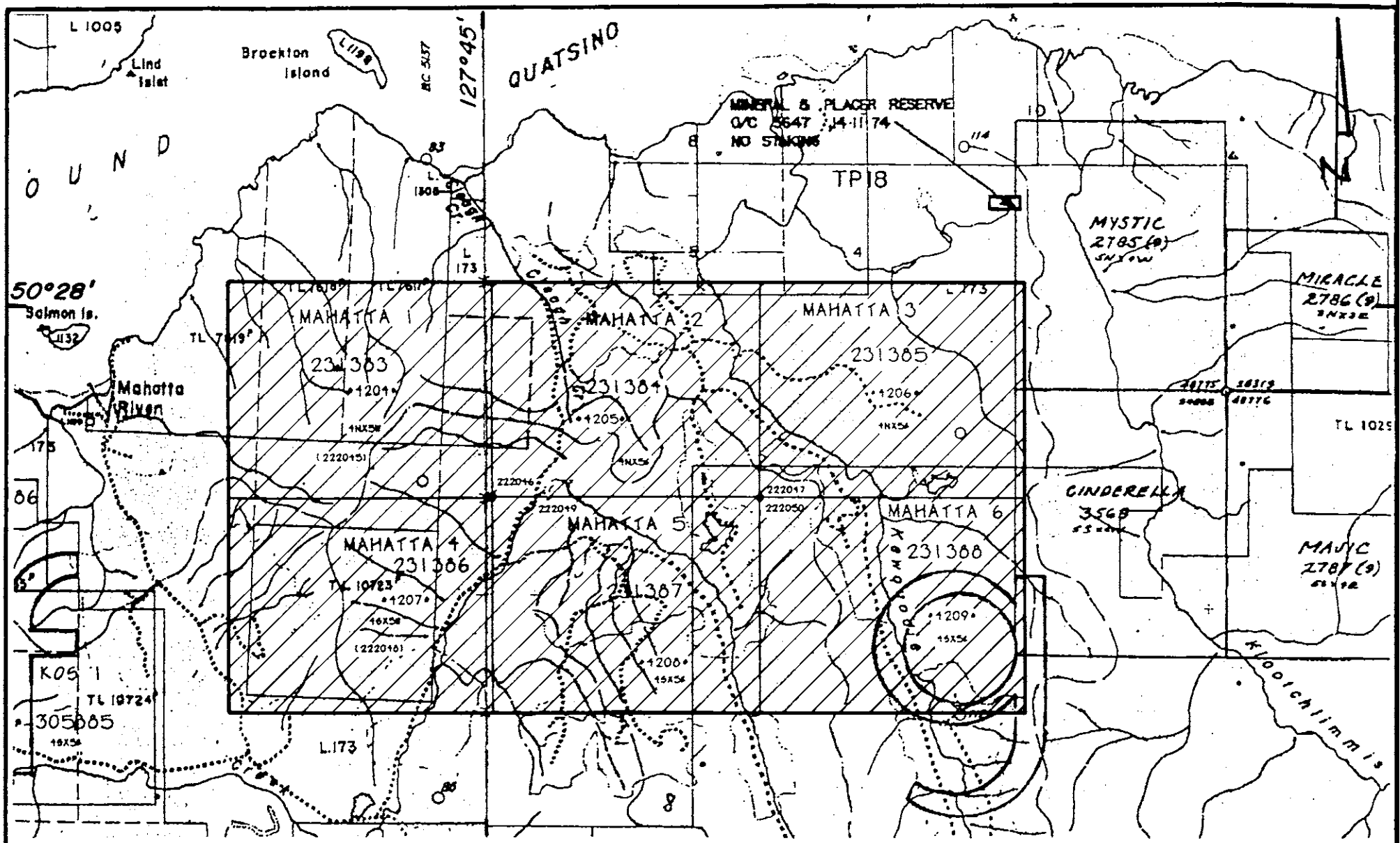

MAHATTA PROPERTY

CLAIM MAP

Figure 2

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TABLE 1 - CLAIM STATUS				
Claim Name	No. of Units	Record No.	Record Date	Expiry Date
Mahatta 1	20	231383	May 6, 1991	May 6, 1992
Mahatta 2	20	231384	May 6, 1991	May 6, 1992
Mahatta 3	20	231385	May 5, 1991	May 5, 1992
Mahatta 4	20	231386	May 6, 1991	May 6, 1992
Mahatta 5	20	231387	May 6, 1991	May 6, 1992
Mahatta 6	20	231388	May 5, 1991	May 5, 1992

2.4 History of Exploration

Previous exploration programs have located two showings on the Mahatta property, the Les and Cleagh. The Les showing was discovered in 1968 on a newly constructed logging road. Stokes Exploration Management conducted the first exploration program in the Les Showing area in 1969 (Leighton, 1969). Reconnaissance silt and soil geochemical surveys, geological mapping, and air photo studies were completed. No anomalous geochemical responses were detected in soils around the Les Showing area.

A magnetometer survey was completed over the Les Showing area in 1972 and a series of open cuts were blasted to facilitate sampling of the showing (Dodson, 1972). No magnetic response was detected over the Les Showing itself, but a north-south magnetic high occurs over a silicified, pyritized intrusive contact zone to the northeast of the showing. Sampling results from the trenches are reported (Dodson, 1972) to be in a range of 0.15% to 0.6% Cu. No sampling plans or sample widths were noted in the available reference.

Regional exploration was conducted throughout the Mahatta River area in 1974 (Leighton, 1974) by British Newfoundland Exploration Ltd. The work consisted mainly of prospecting and reconnaissance geological mapping. The Cleagh showing is believed to have been discovered at that time.

The Cleagh showing is described as a chalcopyrite-molybdenite-sphalerite showing in a quartz vein and stockwork zone along the contact between basic lavas and a felsic breccia (Leighton, 1974). The showing location is not clear from the available references, but is believed to be on the eastern part of the present Mahatta 5 claim. No records of detailed work could be found for the area of the Cleagh Showing.

No records of subsequent exploration work were located for the period prior to the acquisition of the Mahatta property by Stow Resources Ltd.

2.5 Objectives of the 1991 Work Program

The objectives of the work program were as follows:

- To obtain complete moss mat geochemical sampling coverage of the property in order to identify the distribution of mineralization and locate specific targets for further exploration.

- To locate and examine previously described Cu-Mo mineralization. To determine the extent and grade of the mineralized zones.

- To establish the geological setting of the mineralization and the overall bedrock geology of the property.

3.0 GEOLOGY

3.1 Regional Geology

The Mahatta property lies within the Insular Belt of the Cordillera. The Upper Triassic Vancouver Group forms the base of the sequence in the area and consists of basalts and minor calcareous and clastic sediments. The overlying Lower Jurassic Bonanza Group volcanics consist of andesitic to rhyodacitic flows, tuff and breccia. The Bonanza volcanics are coeval with, or genetically related to granodiorite stocks of the Jurassic Island Intrusions.

The Island Copper deposit at Port Hardy is an island arc type porphyry Cu-Mo-Au deposit associated with the intrusion of a dyke-like body of rhyodacite into comagmatic basalts, andesites and pyroclastics of the Bonanza volcanics. Mineralization occurs both in the dyke and in alterated volcanics flanking the dyke. Reserves were initially estimated at 280 million tons of 0.52% Cu and 0.017% Mo (Pirello, 1989).

3.2 Property Geology

3.2.1 Rock Types

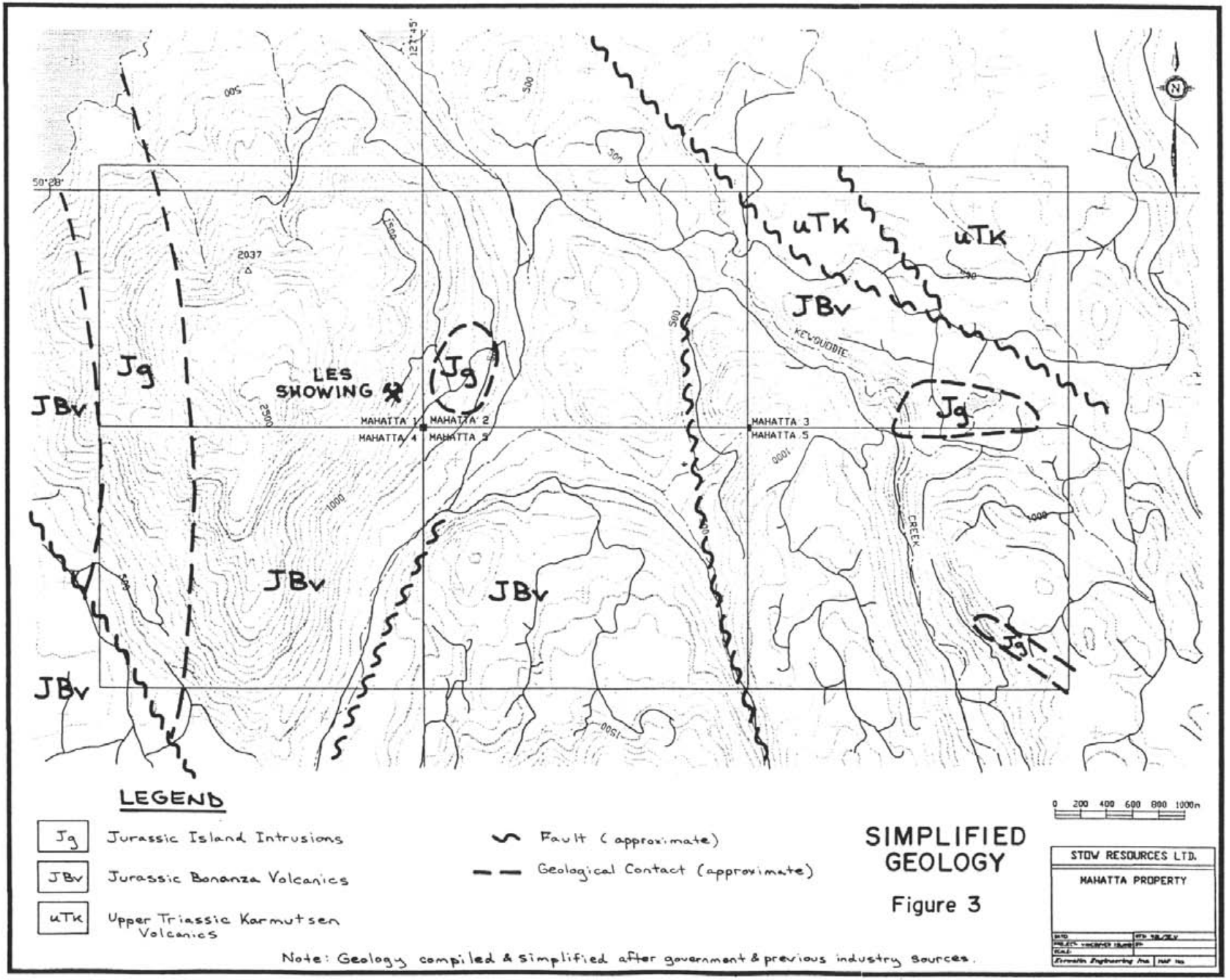
Previous regional mapping (Leighton, 1974) shows three distinct structural panels, each with different bedrock types (see Figure 3). The Bonanza volcanics on Mahatta 1, 2, 4 and 5 claims consist of a northeast striking sequence of basic lavas, acid tuffs and breccias, brecciated basic flows and lapilli tuffs. This panel is bounded on the east by a fault, just west of the Mahatta 5 and 6 boundary.

A second panel of Bonanza volcanics occurs on Mahatta 3 and 6, and is predominantly flow laminated acidic volcanics and ignimbrites.

The third structural panel is located in the northeast part of the property and consists of Karmutsen basalts (see Figure 3).

Several small diorite stocks intrude the Bonanza volcanics on the Mahatta claims (see Figure 3). Government geological maps also show a north-south elongated intrusion on the west edge of the claims.

The small stock to the northeast of the Les Showing consists of hornblende-albite diorite. Country rocks are massive, locally amygdaloidal andesitic flows and volcanic breccia. The breccia unit forms the host for the Les Showing and is a massive, apparently formational unit.



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Light grey fragments average 2-3 inches in diameter in a darker grey matrix. The matrix is magnetite rich.

The diorite intrusion along the Mahatta 3-6 boundary is magnetite rich.

3.2.2 Metamorphism and Alteration

Volcanic rocks are mainly fresh and are relatively unaffected by regional metamorphism. Alteration occurs at the margins of intrusive plugs. At the diorite intrusion near the Les Showing there is a zone of silicified and pyritzed rock from several hundred to 1,500 feet wide around the edge of the stock. Tourmaline, hematite and carbonate are developed in this alteration zone. Similar alteration has been noted around the other intrusions on the property.

3.2.3 Structure

The structural framework of the property as previously outlined by government and exploration mapping is shown on Figure 3. A major northwest oriented fault runs through the southwest corner of the claims. Northwest oriented faulting also occurs in the northeast corner of the claims along the contact between the Bonanza volcanics and the Karmutsen Formation.

A small plug of granodiorite in the southeast corner of the Mahatta 2 claim may be emplaced along a northeast trending fault on the Mahatta 4 claim.

3.3 Mineralization

Low grade copper mineralization occurs in a basic volcanic breccia at the Les Showing. Specular hematite, magnetite, pyrite, calcite and chalcopyrite occur as disseminations and discontinuous stringers in the breccia matrix. Chalcopyrite clots up to 0.5 cm in diameter were observed. Previous detailed work (Dodson, 1972) indicated a mineralized area of 500 ft. x 100 ft., but chalcopyrite content is quite variable and commonly absent in this area. It

is suggested that the mineralization is a primary component of a high iron-low sulfur flow breccia unit.

Chalcopyrite distribution is erratic and representative samples could not be taken due to the smooth outcrop face. Three selected grab samples were taken in 1991 from the best area of outcrop mineralization, results are as follows:

Sample No.	Cu (ppm)	Mo (ppm)	Au (ppb)	Zn (ppm)
91IM-168-R-131323	452	2	<5	25
131324	744	<1	<5	27
91AB-168-R-126038	0.047%	n.a.	n.a.	n.a.

This mineralization was observed over a 25 m section, extending to the edge of the outcrop.

The Cleagh Showing was previously described as a chalcopyrite-molybdenite-sphalerite showing in a quartz vein and stockwork zone along the contact between basic lavas and a felsic breccia (Leighton, 1974). Grab sample 91-AT-168-R-126209 may be near the old Cleagh Showing and returned 646 ppm Cu, <5 ppb Au, <1 ppm Mo and 19 ppm Zn. The sample was from a zone of chalcopyrite blebs and stringers associated with a 10° striking structure in a rhyodacite breccia near a basic volcanic contact. Minor amounts of chalcopyrite were observed over 70 m at this location.

Weak copper mineralization was located in float in a small stream approximately 1.4 km south of the Les Showing. Traces of malachite occur with pyrite stringers in a magnetic fine grained mafic volcanic. Consistent weak copper moss mat anomalies also occur. A local source of this mineralization is indicated, but no targets were located on a short prospecting-soil geochemical follow-up traverse.

Weak copper mineralization was also located in a volcanic breccia containing intrusive fragments immediately east of Mahatta 6. Two selected grab samples indicate the following grades:

Sample No.	Cu (ppm)	Mo (ppm)	Au (ppb)	Zn (ppm)
91-AB-168-R-126081	277	2	<5	36
91-AB-168-R-126096	246	<1	<5	70

3.4 Economic Potential

The primary exploration target on the Mahatta property is a porphyry Cu-Mo-Au deposit similar to that at the nearby Island Copper Mine.

The 1991 exploration program indicated a low economic potential for this type of deposit on the Mahatta property. The best known mineralization (at the Les Showing) appears to be a primary copper-enriched zone associated with an iron-rich mafic flow breccia.

A weak, sporadic, but widespread Mo anomaly occurs on the Mahatta 5 claim, in soils and in moss mats (see Map 3). Two small diorite stocks also occur in this area. The bedrock geology is poorly exposed here and porphyry style mineralization may be the source of the Mo anomaly. Although the target is at a grassroots stage and is ranked as "low priority", it is the best indication of porphyry style mineralization found by the 1991 prospecting and geochemical program.

4.0 EXPLORATION AND DEVELOPMENT

Stream silt/moss mat geochemical surveys and prospecting were conducted over all of the property accessible from the logging road systems. The work was done by truck from a Port Alice Base.

4.1 Prospecting and Geological Mapping

Prospecting and reconnaissance geological mapping was conducted over all the main outcrop exposures easily accessible by road. The Les Showing was re-located after several days of prospecting. The old logging roads are heavily overgrown, making the showings difficult to

locate. The Cleagh Showing was not re-located, although three man days of prospecting were conducted in the area and minor copper mineralization was discovered nearby.

The geological setting of the mineralization at the Les showing was defined and the size and grade of exposed mineralization was roughly estimated (see Sections 3.2 and 3.3 for a description of the geology and mineralization as defined by this work). Twenty-five rock samples were collected during the course of the prospecting and mapping program. These were all selected grab samples. All of the samples were analyzed by Bondar-Clegg and Company Ltd. for Au, Ag, Cu, Pb, Zn, As, Sb and Mo. The relevant analytical techniques are described in Appendix V. The sample locations were marked in the field with flagging and tyvek tags. The locations of all rock samples are shown on Map 2. Geological observations are shown on Map 1.

4.2 Geochemistry

4.2.1 Program

A total of 99 moss mat samples, 3 stream silt samples and 81 soil samples were collected on or immediately adjacent to the Mahatta property. Moss mat coverage was completed over the entire property. The samples were analyzed for Cu, Ag, Pb, Zn, Au, As, Sb and Mo by Bondar-Clegg and Company Ltd. Analytical techniques are described in Appendix V. The locations of all geochemical samples are shown on Map 3. Complete analytical results with sample descriptions are compiled in Appendix IV.

4.2.2 Results

Anomalous thresholds for Au, Cu, Mo and Zn were determined from a statistical analysis of a 556 sample regional moss mat and stream silt survey carried out in 1991 for Stow Resources Ltd. None of the elements in this survey showed classic two-population curves on cumulative frequency plots and threshold levels are assigned based on statistical parameters as follows:

THRESHOLDS FOR MOSS MAT SAMPLING		
Element	**95th Percentile**	**Mean +2 Standard Deviations**
Cu	86 ppm	104 ppm
Au	25 ppb	31.5 ppb
Mo	3 ppm	3.5 ppm
Zn	185 ppm	213 ppm

Anomalous values for the Mahatta property were taken using the 95th percentile threshold.

A weak, sporadic, but widespread molybdenum anomaly occurs on the Mahatta 5 claim in soils and in moss mats. Peak Mo values are 9 ppm in soils and 5 ppm in moss mats. There are no associated Cu, Au or Zn anomalies.

A weak but consistent copper moss mat anomaly occurs in a small stream 1.4 km south of the Les Showing. The peak copper value is 217 ppm and there are no supporting Au, Mo or Zn anomalies.

A gold moss mat anomaly occurs along the north boundary of the Mahatta 2 claim.

A single sample copper moss mat anomaly occurs along the south border of the Mahatta 5 claim, near the old Cleagh showing.

5.0 CONCLUSIONS

- The 1991 program of prospecting and geochemical sampling on the Mahatta property did not locate high priority exploration targets indicative of a large porphyry Cu-Mo-Au deposit similar to the nearby Island Copper Mine.

- The best mineralization located to date on the Mahatta property is the Les Showing. Sub-economic copper mineralization occurs over a +25 m section, but is apparently a primary copper zone, not related to porphyry type intrusive/alteration processes. The geochemical program does not suggest significant potential in the Les Showing area.

- Weak copper mineralization near the east boundary of the Mahatta 6 claim may be of a porphyry Cu-Mo association, but soil geochemical surveys do not suggest a significant copper source here.

- The Mo anomaly on the Mahatta 6 claim may be caused by a porphyry Cu-Mo type target, but no bedrock sources for this anomaly have been located. This is not considered to be a high priority target due to the low level of the Mo values and the lack of associated Cu-Au values.

- The significance of gold anomalies in two moss mat samples on the north boundary of the Mahatta 2 claim is not known at this time.

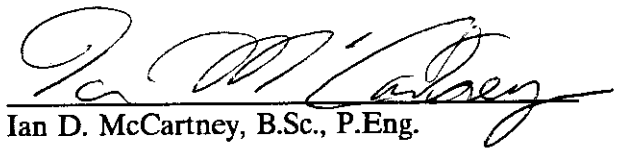
6.0 RECOMMENDATIONS

- Grid soil geochemistry and a magnetometer survey should be completed in the area of the Mo soil anomaly on the Mahatta 6 claim in order to define specific exploration targets.

- Detailed moss mat geochemistry should be conducted to pinpoint the source of the gold anomaly on the Mahatta 2 claim. Soil grid follow up may also be warranted.

Respectfully submitted,

KEEWATIN ENGINEERING INC.



Ian D. McCartney, B.Sc., P.Eng.

7.0 REFERENCES

Cargill, D.G. (1976). Island Copper, in Porphyry Deposits of the Canadian Cordillera. C.I.M.M. Special Volume 15.

Dodson, E.D. (1970. Report on the "Les" Group of Mineral Claims for Skaist Mines Ltd.

Dodson, E.D. (1972). Report on the Les Group of Mineral Claims, Mahatta River, B.C. for Skaist Mines Ltd.

Leighton, D.G. (1969). A Report on the "Les" Claim Group for Stokes Exploration Management Co. Ltd.

Leighton, D.G. (1974). Report on Explorations in the Mahatta River Area for British Newfoundland Exploration Ltd.

Perello, J. (1989). Porphyry Cu-Mo-Au Mineralization at Island Copper, Vancouver Island, B.C., Abs. for submission to G.A.C. Mineral Deposits Division Workshop, April 5, 1989.

Stokes, R.B. and Leighton, D.G. (1970). Geological and Geochemical Report on the "Les" Claim Group, Skaist Mines Ltd. B.C. Assessment Report No. 2391.

APPENDIX I

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, IAN DOUGLAS McCARTNEY, of 2242 Spruce Street in the City of Vancouver in the Province of British Columbia, do hereby certify that:

1) I am a graduate of Queens University, Kingston, Ontario with an Engineering Degree (B.Sc.) in Geology (1976).

2) I am a Member in good standing of the Association of Professional Engineers of the Province of British Columbia and a Member in good standing of the Institute of Mining and Metallurgy.

3) I am a consulting geologist with the firm of Keewatin Engineering Inc. with offices at Suite 800 - 900 West Hastings Street, Vancouver, British Columbia.

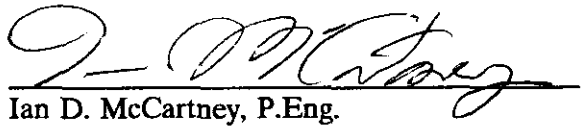
4) I am the author of the report entitled "Geological and Geochemical Report on the Tent Property, Northern Vancouver Island", dated December 9, 1991.

5) I directly supervised the exploration program carried out on the Mahatta property between January 25 and August 5, 1991.

6) I do not own or expect to receive any interest (direct, indirect or contingent) in the property described herein nor in the securities of Stow Resources Ltd. in respect of services rendered in the preparation of this report.

Dated in Vancouver, British Columbia this 9th day of December, A.D., 1991.

Respectfully submitted,



Ian D. McCartney, P.Eng.

APPENDIX II

Summary of Field Personnel

SUMMARY OF FIELD PERSONNEL

R. Nichols	Project Supervisor	1 day
A. Birkeland	Project Geologist	10 days
I. McCartney	Geologist	10 days
A. Travis	Geologist	10 days
D. Krohman	Field Assistant	2 days
J. Leonard	Field Assistant	2 days
B. Whelan	Land Administrator	2 hours
T. Lee	Draftsperson	12 hours
M. Mees	Word Processor	10 hours

APPENDIX III

Statement of Expenditures

STATEMENT OF EXPENDITURES

Pre-Field		$ 4,109.00
Field Program		
Personnel	$10,395.00	
Camp Support	7,452.00	
Truck Rental	3,695.00	
Geochemical Analyses/Assays	2,790.00	
Miscellaneous	548.00	$24,880.00
Post-Field		
Personnel	$1,600.00	
Drafting	420.00	
Word Processing	300.00	
Reproduction and Copying	400.00	$ 2,720.00
TOTAL EXPENDITURES:		**$31,709.00**

APPENDIX IV

Complete Geochemical Sampling Results and Sample Descriptions

MAHATTA PROJECT (168) 1991 ASSAY AND GEOCHEM RESULTS
LL ROCK SAMPLES

SAMPLE IDENTIFIER	lab	LOCATION	DESCRIPTION	Cu %	%AU g/tonne	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 CK 168 R 125963	B	Km 13, J Main	Volc, SIL, py			-5	-0.2	1	8	27	-5	-5	-1
91 CK 168 R 125964	B	Km 13, J Main	FEL?, py			-5	-0.2	9	4	21	-5	-5	-1
1 CK 168 R 125965	B	Km 13, J Main	INT, py			-5	-0.2	2	3	10	-5	-5	1
91 AB 168 C 126038	M	LES Showing	Bas vol-bx, mag, hem, py, cpy	0.047									
91 AB 168 R 126081	B	W Kloochliminus Ck	vol-bx, DIO-AND-DAC, mag, cpy			-5	-0.2	277	7	36	-5	-5	2
1 AB 168 R 126096	B	W Kloochliminus Ck	vol-bx, DIO-AND-DAC, mag, cpy			-5	-0.2	246	5	70	-5	-5	-1
1 AT 168 R 126162	B	near LES Showing	Volc, SIL, py			-5	-0.2	5	5	5	14	-5	2
91 AT 168 R 126163	B	CLEAGH Showing area	f.g. tuff, 7-10% py			-5	-0.2	12	19	-1	18	-5	1
91 AT 168 R 126164	B	Mahatta 6, NW part	FEL, GDS, sh, frac, py			-5	-0.2	14	4	4	63	-5	4
1 AT 168 R 126207	B	Mahatta 3	INT, SIL, ALB			-5	-0.2	11	-2	6	-5	-5	-1
91 AT 168 R 126208	B	between Mahatta 5,6	RHY-DAC volc bx, py, frac			-5	-0.2	7	-2	45	-5	-5	1
91 AT 168 R 126209	B	20m from 126208	RHY-DAC volc bx, py, cpy, frac			-5	-0.2	646	-2	19	60	11	-1
1 AB 168 R 126210	B	Mahatta 6, NE part	DI-GD, mag			-5	-0.2	14	2	20	-5	-5	1
91 IM 168 R 131323	B	LES Showing	Bas vol-bx, mag, hem, py, cpy	0.05		-5	-0.2	452	16	25	-5	-5	2
91 IM 168 R 131324	B	LES Showing	Bas vol-bx, mag, hem, py, cpy	0.09		-5	-0.2	744	11	27	-5	-5	-1
1 IM 168 R 131324	M	LES Showing	Bas vol-bx, mag, hem, py, cpy	0.088			1.5	902	8	25	1	1	1
1 IM 168 F 131369	B	SW of LES Showing	AND, py, mag			19	-0.2	16	10	101	-5	-5	-1
91 IM 168 F 131370	B	SW of LES Showing	AND, py, mag, mal			-5	-0.2	565	3	169	-5	-5	2
1 IM 168 F 131371	B	SW of LES Showing	AND, py, mag			6	-0.2	21	11	149	58	-5	1
1 AM 168 R 475923	M	80m S of LCP	albitized DI, py, frac		0.01		0.8	13	3	8	1	1	7
91 AM 168 R 475924	M	350m N of LES	altered volc, py, SIL, sh-flt		0.02		0.7	11	4	13	1	1	1
91 AM 168 R 475925	M	350m N of LES	altered volc, py, SIL, sh-flt		0.01		0.3	18	3	7	1	1	1
1 AM 168 R 475926	M	350m N of LES	altered volc, py, SIL, bx		0.01		0.3	13	1	14	1	1	1
91 AM 168 R 475927	M	300m N of LES	INT (DI?), py, alb,sh		0.03		0.1	13	4	6	1	1	1
91 AM 168 R 475928	M	LES Showing Area	AND, bx, mag, po, hem, bn		0.01		0.5	274	1	23	1	1	1

MAHATTA PROJECT (168) 1991 ASSAY AND GEOCHEM RESULTS
ALL MOSS MAT, SILT AND SOIL SAMPLES

SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 AB 168 M 3047	B	-5	-0.2	9	6	147	17	-5	2
91 AB 168 M 3048	B	-5	-0.2	6	3	152	5	-5	1
91 AT 168 M 3102	B	-5	-0.2	7	6	34	12	-5	2
91 AT 168 M 3103	B	-5	-0.2	7	6	36	-5	-5	-1
91 AT 168 M 3104	B	-5	-0.2	11	6	54	8	-5	-1
91 AT 168 M 3105	B	-5	-0.2	13	7	82	-5	-5	-1
91 AT 168 M 3106	B	-5	-0.2	11	6	76	7	-5	-1
91 AT 168 M 3107	B	-5	-0.2	15	4	29	6	-5	3
91 AT 168 M 3108	B	-5	-0.2	14	4	53	12	-5	2
91 AT 168 M 3109	B	14	-0.2	16	3	76	7	-5	1
91 AT 168 M 3110	B	-5	-0.2	9	-2	22	-5	-5	-1
91 AT 168 M 3111	B	-5	-0.2	10	2	28	-5	-5	1
91 AT 168 M 3112	B	-5	-0.2	31	2	61	-5	-5	-1
91 AT 168 M 3113	B	-5	-0.2	8	3	44	-5	-5	-1
91 AT 168 M 3114	B	-5	-0.2	9	4	58	-5	-5	1
91 AT 168 M 3115	B	-5	-0.2	10	5	78	12	-5	2
91 AT 168 M 3116	B	-5	-0.2	3	3	49	-5	-5	-1
91 AT 168 M 3117	B	-5	-0.2	11	2	31	7	-5	1
91 AT 168 M 3118	B	-5	-0.2	6	-2	45	-5	-5	-1
91 AT 168 M 3137	B	-5	-0.2	33	-2	77	-5	-5	2
91 AT 168 M 3174	B	-5	-0.2	15	-2	51	-5	-5	-1
91 AT 168 M 3175	B	-5	-0.2	10	-2	37	-5	-5	-1
91 AT 168 M 3176	B	-5	-0.2	33	4	82	8	-5	1
91 AT 168 M 3177	B	-5	-0.2	34	-2	74	-5	-5	-1
91 AT 168 M 3178	B	-5	-0.2	11	4	34	-5	-5	-1
91 AT 168 M 3179	B	-5	-0.2	13	10	49	13	-5	4
91 AT 168 M 3180	B	-5	-0.2	39	3	72	-5	-5	1
91 AT 168 M 3181	B	-5	-0.2	37	-2	72	-5	-5	-1
91 AT 168 M 3182	B	-5	-0.2	11	5	118	-5	-5	2
91 AT 168 M 3183	B	6	-0.2	6	6	98	-5	-5	2
91 AT 168 M 3184	B	-5	-0.2	6	-2	20	-5	-5	1
91 AT 168 M 3185	B	-5	-0.2	15	7	63	11	-5	-1
91 AT 168 M 3186	B	164	-0.2	22	-2	50	-5	-5	-1
91 AT 168 M 3187	B	-5	-0.2	22	-2	36	-5	-5	-1
91 AT 168 M 3188	B	-5	-0.2	8	4	61	9	-5	-1
91 AT 168 M 3189	B	15	-0.2	21	3	82	12	8	-1
91 AT 168 M 3190	B	8	-0.2	8	9	71	17	-5	-1
91 AT 168 M 3191	B	8	-0.2	10	7	92	-5	-5	-1
91 AT 168 M 3192	B	-5	-0.2	22	-2	65	5	-5	-1
91 AT 168 M 3193	B	-5	-0.2	20	4	92	-5	-5	-1
91 AT 168 M 3194	B	-5	-0.2	15	3	104	-5	-5	-1
91 AT 168 M 3195	B	-5	-0.2	42	4	83	-5	-5	-1
91 AT 168 M 3196	B	-5	-0.2	57	4	87	6	-5	-1
91 AT 168 M 3197	B	-5	-0.2	17	4	93	-5	-5	-1
91 AT 168 M 3198	B	-5	-0.2	12	-2	56	-5	-5	-1
91 AT 168 M 3199	B	-5	-0.2	117	4	63	8	-5	-1
91 IM 168 M 3230	B	-5	-0.2	11	-2	50	6	-5	-1
91 IM 168 M 3231	B	-5	-0.2	8	-2	50	7	-5	-1
91 IM 168 M 3238	B	-5	-0.2	25	4	74	6	-5	2
91 IM 168 M 3239	B	-5	-0.2	37	4	96	12	-5	2
91 IM 168 M 3240	B	-5	-0.2	20	-2	50	-5	-5	-1

MAHATTA PROJECT (168) 1991 ASSAY AND GEOCHEM RESULTS
ALL MOSS MAT, SILT AND SOIL SAMPLES

SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 IM 168 M 3241	B	-5	-0.2	15	4	39	33	-5	1
91 IM 168 M 3242	B	-5	-0.2	12	-2	38	-5	-5	1
91 IM 168 M 3243	B	-5	-0.2	12	3	37	11	-5	1
91 IM 168 M 3244	B	-5	-0.2	14	-2	38	-5	-5	-1
91 IM 168 M 3245	B	-5	-0.2	18	-2	41	-5	-5	-1
91 IM 168 M 3246	B	38	-0.2	17	-2	35	-5	-5	-1
91 IM 168 M 3247	B	-5	-0.2	9	6	135	16	-5	2
91 IM 168 M 3248	B	-5	-0.2	19	2	45	-5	-5	-1
91 IM 168 M 3249	B	-5	-0.2	22	5	113	-5	-5	-1
91 IM 168 M 3260	B	-5	-0.2	27	5	55	9	-5	-1
91 IM 168 M 3261	B	-5	-0.2	99	6	110	15	-5	1
91 IM 168 M 3262	B	-5	-0.2	29	4	94	12	-5	1
91 IM 168 M 3263	B	-5	-0.2	21	3	88	-5	-5	-1
91 IM 168 M 3265	B	-5	-0.2	28	3	66	8	-5	-1
91 IM 168 M 3266	B	-5	-0.2	39	-2	73	-5	-5	-1
91 IM 168 M 3270	B	-5	0.6	41	12	79	42	12	4
91 JL 168 M 3326	B	-5	-0.2	18	7	91	9	-5	-1
91 JL 168 M 3327	B	-5	-0.2	19	9	76	8	-5	-1
91 JL 168 M 3328	B	-5	-0.2	12	6	58	31	-5	-1
91 JL 168 M 3329	B	6	-0.2	9	5	34	13	-5	-1
91 JL 168 M 3330	B	6	-0.2	8	5	36	11	-5	-1
91 JL 168 M 3332	B	-5	-0.2	7	5	34	9	-5	2
91 DK 168 M 3414	B	-5	-0.2	16	-2	48	-5	-5	-1
91 DK 168 M 3415	B	-5	-0.2	14	5	53	14	-5	2
91 DK 168 M 3445	B	-5	-0.2	37	-2	77	-5	-5	-1
91 DK 168 M 3446	B	-5	-0.2	7	7	49	-5	-5	5
91 IM 168 M 3625	B	-5	-0.2	24	8	136	-5	-5	-1
91 IM 168 M 3626	B	-5	-0.2	165	8	141	7	-5	-1
91 IM 168 M 3627	B	-5	-0.2	217	8	139	7	-5	-1
91 IM 168 S 3628	B	-5	0.4	-1	7	60	40	-5	2
91 IM 168 S 3629	B	-5	-0.2	-1	9	57	-5	-5	4
91 IM 168 M 3630	B	IS	-0.2	17	6	66	7	-5	-1
91 IM 168 S 3631	B	-5	-0.2	-1	-2	50	5	-5	-1
91 IM 168 S 3632	B	-5	-0.2	-1	4	58	7	-5	-1
91 IM 168 S 3633	B	-5	-0.2	-1	8	85	-5	-5	-1
91 IM 168 S 3634	B	-5	-0.2	-1	-2	50	-5	-5	-1
91 IM 168 S 3635	B	-5	-0.2	-1	12	55	-5	-5	-1
91 IM 168 S 3636	B	-5	-0.2	-1	7	53	-5	-5	-1
91 IM 168 S 3637	B	-5	-0.2	-1	8	77	-5	-5	-1
91 IM 168 S 3638	B	-5	-0.2	-1	4	52	-5	-5	-1
91 IM 168 S 3639	B	-5	-0.2	-1	4	52	-5	-5	-1
91 IM 168 M 3640	B	-5	-0.2	21	6	112	-5	-5	-1
91 AT 168 M 3715	B	-5	-0.2	9	2	86	-5	-5	-1
91 AT 168 M 3716	B	-5	-0.2	41	3	77	-5	-5	-1
91 AT 168 M 3717	B	-5	-0.2	6	5	64	-5	-5	-1
91 AT 168 M 3718	B	7	-0.2	16	4	94	-5	-5	-1
91 AT 168 M 3719	B	11	-0.2	9	7	112	-5	-5	-1
91 AT 168 S 3720	B	-5	-0.2	2	4	22	36	-5	5
91 AT 168 M 3721	B	-5	-0.2	3	3	94	17	-5	3
91 AT 168 M 3723	B	10	-0.2	7	8	84	-5	-5	1
91 AT 168 M 3724	B	-5	-0.2	6	4	74	10	-5	2

MAHATTA PROJECT (168) 1991 ASSAY AND GEOCHEM RESULTS
ALL MOSS MAT, SILT AND SOIL SAMPLES

SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 AT 168 M 3725	B	8	-0.2	3	5	52	30	-5	5
91 AT 168 S 3726	B	-5	-0.2	5	13	35	26	-5	2
91 AT 168 L 3727	B	-5	-0.2	4	-2	81	14	-5	2
91 AT 168 S 3728	B	-5	-0.2	2	-2	43	11	-5	4
91 AT 168 S 3729	B	-5	-0.2	2	3	44	12	-5	6
91 AT 168 S 3730	B	-5	-0.2	3	4	55	14	-5	6
91 AT 168 S 3731	B	-5	-0.2	4	13	108	28	-5	5
91 AT 168 S 3732	B	-5	-0.2	11	10	91	16	-5	4
91 AT 168 S 3733	B	-5	-0.2	5	12	63	9	-5	3
91 AT 168 S 3734	B	-5	-0.2	5	4	44	20	-5	6
91 AT 168 S 3735	B	-5	-0.2	6	3	33	12	-5	3
91 AT 168 S 3736	B	-5	-0.2	10	3	31	10	-5	4
91 AT 168 S 3737	B	-5	-0.2	12	5	32	-5	-5	1
91 AT 168 S 3738	B	-5	-0.2	11	-2	34	-5	-5	2
91 AT 168 S 3739	B	-5	-0.2	10	2	30	-5	-5	2
91 AT 168 S 3740	B	-5	-0.2	14	-2	28	6	-5	2
91 AT 168 M 3741	B	-5	-0.2	15	2	40	-5	-5	-1
91 AT 168 S 3742	B	-5	-0.2	7	-2	27	-5	-5	-1
91 AT 168 S 3743	B	-5	-0.2	12	6	32	6	-5	9
91 AT 168 M 3744	B	-5	-0.2	10	-2	30	-5	-5	-1
91 AT 168 M 3745	B	-5	-0.2	8	2	84	-5	-5	-1
91 AT 168 S 3746	B	-5	-0.2	9	-2	23	-5	-5	-1
91 AT 168 S 3747	B	-5	-0.2	6	-2	26	9	-5	-1
91 AT 168 M 3753	B	-5	-0.2	31	-2	99	11	-5	-1
91 AT 168 M 3754	B	11	-0.2	28	-2	95	-5	-5	-1
91 AT 168 M 3755	B	-5	-0.2	46	-2	87	6	-5	-1
91 AT 168 L 3756	B	-5	-0.2	21	-2	102	13	-5	2
91 AT 168 L 3757	B	-5	-0.2	32	2	89	16	-5	1
91 AT 168 M 3758	B	-5	-0.2	42	-2	84	15	-5	-1
91 AT 168 M 3759	B	-5	-0.2	31	-2	88	-5	-5	-1
91 AT 168 M 3760	B	12	-0.2	17	2	76	-5	-5	-1
91 AT 168 M 3761	B	-5	-0.2	20	-2	70	9	-5	-1
91 AT 168 S 3800	B	-5	-0.2	8	9	72	9	-5	2
91 AT 168 S 3801	B	-5	-0.2	7	5	48	-5	-5	2
91 AT 168 S 3802	B	-5	-0.2	12	4	55	9	-5	2
91 AT 168 S 3803	B	-5	-0.2	12	5	46	5	-5	2
91 AT 168 S 3804	B	-5	-0.2	-1	-2	26	-5	-5	1
91 AT 168 S 3805	B	-5	-0.2	7	4	43	-5	-5	1
91 AT 168 S 3806	B	-5	-0.2	12	-2	40	-5	-5	2
91 AT 168 S 3807	B	-5	-0.2	8	-2	40	-5	-5	2
91 AT 168 S 3808	B	-5	-0.2	12	-2	35	-5	-5	-1
91 AT 168 S 3809	B	-5	-0.2	11	-2	32	11	-5	2
91 AT 168 S 3810	B	-5	-0.2	9	-2	29	-5	-5	1
91 AT 168 S 3811	B	-5	-0.2	7	-2	38	-5	-5	1
91 AT 168 S 3812	B	-5	-0.2	16	2	50	15	-5	2
91 AT 168 S 3813	B	-5	-0.2	1	9	41	-5	-5	2
91 AT 168 S 3814	B	-5	-0.2	2	4	104	11	-5	1
91 AT 168 S 3815	B	-5	-0.2	3	-2	29	8	-5	-1
91 AT 168 S 3816	B	-5	-0.2	14	-2	32	10	-5	3
91 AT 168 S 3817	B	-5	-0.2	8	-2	39	-5	-5	2
91 AT 168 S 3818	B	-5	-0.2	1	-2	20	-5	-5	2

MAHATTA PROJECT (168) 1991 ASSAY AND GEOCHEM RESULTS
ALL MOSS MAT, SILT AND SOIL SAMPLES

SAMPLE IDENTIFIER	lab code	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Mo ppm
91 AT 168 S 3819	B	-5	-0.2	-1	6	14	-5	-5	-1
91 AT 168 S 3820	B	-5	-0.2	4	2	22	-5	-5	2
91 AT 168 S 3821	B	-5	-0.2	4	3	38	19	-5	1
91 AT 168 S 3822	B	-5	-0.2	4	-2	29	12	-5	2
91 AT 168 S 3823	B	-5	-0.2	24	4	43	8	-5	2
91 AT 168 S 3824	B	-5	-0.2	4	2	27	12	-5	4
91 AT 168 S 3825	B	-5	-0.2	4	5	35	-5	-5	3
91 AT 168 S 3826	B	-5	-0.2	19	2	56	16	-5	2
91 AT 168 S 3827	B	-5	-0.2	10	3	33	6	-5	2
91 AT 168 S 3828	B	-5	-0.2	49	10	96	13	-5	1
91 AT 168 S 3829	B	-5	-0.2	3	4	29	-5	-5	-1
91 AT 168 S 3830	B	-5	-0.2	2	5	16	-5	-5	1
91 AT 168 S 3831	B	-5	-0.2	11	2	44	6	-5	1
91 AT 168 S 3832	B	6	-0.2	7	7	36	7	-5	2
91 AT 168 S 3833	B	-5	-0.2	10	3	38	-5	-5	2
91 AT 168 S 3834	B	10	-0.2	1	4	47	-5	-5	-1
91 AT 168 S 3835	B	-5	-0.2	13	-2	45	26	-5	5
91 AT 168 S 3836	B	-5	-0.2	6	2	28	-5	-5	2
91 AT 168 S 3837	B	-5	-0.2	-1	-2	24	-5	-5	1
91 AT 168 S 3838	B	-5	-0.2	3	-2	31	-5	-5	2
91 AT 168 S 3839	B	-5	-0.2	-1	-2	16	-5	-5	1
91 AT 168 S 3840	B	-5	-0.2	-1	-2	18	-5	-5	2
91 AT 168 S 3841	B	7	-0.2	2	5	25	-5	-5	2
91 AT 168 S 3842	B	-5	-0.2	6	5	33	-5	-5	2
91 AT 168 S 3843	B	-5	-0.2	19	4	57	-5	-5	2
91 AT 168 S 3844	B	-5	-0.2	8	6	30	-5	-5	2
91 AT 168 S 3845	B	-5	-0.2	14	6	35	-5	-5	2
91 AT 168 S 3846	B	-5	-0.2	13	-2	40	9	-5	1
91 AT 168 S 3847	B	-5	-0.2	6	7	32	-5	-5	3
91 AT 168 S 3848	B	-5	-0.2	9	7	39	6	-5	2
91 AT 168 S 3849	B	-5	-0.2	18	5	55	-5	-5	3
91 AT 168 S 3850	B	-5	-0.2	13	9	46	9	-5	2

168GCH.WK1

KEEWATIN ENGINEERING INC

ROCK SAMPLES

Project: MAHATTA
Area (Grid):
Collectors: MUIRHEAD

Results Plotted By:
Map: NTS:
Date: MAY 5 1991 Surface ✓ Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
MA91R-004	ROAD BANKCUT ≈80 m S. OF L.C.D.	475923	✓					ALBITE INTRUSIVE.	Py ± Cpy TO 5% IN ALBITIZED DIORITE INTRUSIVE. APPARENTLY FRACTURE CONTROL NO OBVIOUS PREFERRED DIRECTION. ZONE ≈ 3m X 1.5m.	
MA91R-005	S. BANK OF MASTOR CK. ≈ 350 m N OF MAPPED "LES" Cu SHOW.	475924	✓					ALT'D VOLCANICS	EXPOSED IN BANK APPROX 23+m X 4m BLEACHED/SILIC. VOLC. SHEAR/FLT. AVG 10-20% SULFIDES SOME FAT (BOUDINS) TO 50+% Py ± TR-1.5% Cpy	
			✓					"	ZONE TRENDS 200°/50° N.W.	
MA91R-006	"	475925	✓					"	AS ABOVE. NORTH END	
MA91R-007	"	475926	✓					"	APPARENT FOOTWALL CONTACT TO ABOVE VERY SILIC. MODERATELY BLEACHED. 2-4% FINE DISS Py ± TR-1% Cpy VOLC BX NARROW <2m MIN ZONE.	
MA91R-008.	60 m. SOUTH ON ROAD FROM A-005	475927	✓					INT. DIORITE?	SMALL <0.3m SHEAR IN V. ALBITIZED DIORITE. 7-9% Py (TR Cpy?) + TOURMALI[illegible] IN WALL ROCK	
MA91R-009	AT PLOTTED "LER" LOCATION - ERIKSO MAP.	475928	✓					ANDESITE. [illegible]-BX.	STRONGLY MAGNETIC VOLC BX CLASTS 2-70 GREY TO BLACK W Po 2-40%, 1-3% SPEC. HEM LARGE & BLACK [illegible] TR-0.5% [illegible] ± TR BORNITE TRY HOL. SOME VESSICULAR SECT'NS W QTZ/CARB/SPEC HEM FILL.	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: Mahatta (168)
Area (Grid):
Collectors: IAN McCARTNEY, (IM)

Results Plotted By:
Map: _____ NTS:
Date: _____ Surface___ Undergrou:

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	S /
2 July 91										
R131323	Les Showing, main occ area.	IR-67	✓					BAS, mag, hem	Dissem py-cpy in basic volc-tex, Variable cpy	
R131324	" " " " "	IR-67	✓	⊥				BAS, mag. hem	" " " " " "	
1 August 91										
F131369	Anomaly followup, SW of Les			✓			✓	AND, py	1-2% py in magnetic F.g. mafic volc.	
F131370	" " " " "	IR-200		✓			✓	"	Stringer py in magnetic F.g. mafic volc. Tr malachite	
F131371	" " " " "			✓			✓	"	1-2% F.g. dissem py in magnetic F.g. mafic volcanic.	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: Mahatta
ea (Grid):
llectors: A. TRAVIS

Results Plotted By: AT
Map: NTS: 92 G/5
Date: June 26/91 Surface ✓ Undergrou:

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	S: /
June 26/91	~150m up creek from							SILICIFIED +	GOSSANOUS zone (5m x 5m) assoc. with	
91AT168R-	road near "LCS		✓					ALTERED	fractures (up creek + perpendicular). Pyrite 1-3 %	
126162	SHOWING" (reported one)							VOLC.		
	~600m up road to							FINE GRAINED	light grey with 7-10% v.fg diss Py,	
91AT168R-	"Cleagh" from MAINLINE	126163	✓					TUFF?	small white frags, weathered surface	
126163	SMALL CREEK (MOSI MOT 3106)								not gossanous!	
June 28	NW CORNER							BLEACHED	gossanous felsite? alt'd ignimbrite	
91AT168R-	Mahatta 6 claim		✓					Alt'd	alt'n related to joint set/shear	
126164								Ignimbrite	Py 1-3 % grab across s/c (various areas) ~7m	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: Mahatta
Area (Grid): Kewagodie Creek
Collectors: Travis

Results Plotted By:
Map: NTS: 92 L/5
Date: July 9/91 Surface ✓ Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	S:
91AT168R-12(-207	Mahatta 3, near prominent bend		✓					Intrusive	Silicified albitized? intense almost like a quartz vein zone	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: Mahatta
Area (Grid):
Collectors: TRAVIS

Results Plotted By:
Map: NTS: 92 L/5
Date: July 18, 19 Surface ✓ Undergro

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION
	Creek between Mahatta 5+6							Rhyo-Dacite	20m downstream of 126209, 3-5% finely diss. Py
91ATI68R-126208	claims		✓					Breccia	and fracture pyrite, fragments up to 7cm
	20m upstream of							Rhyo-Dacite	Intrusive Breccia? sporadic, discontinuous Cpy mineln
91ATI68R-126209	R-126208	126209	✓					Breccia	(as blebs+stringers) noted over up to 70m along creek
									(<trace) assoc. w ~N10° trending structure?
									near contact with mafic volcanics
	NE Corner of Mahatta 6							Granodiorite-	Mt 3-5% as coarse (≤0.5cm cubes) within intermediate
91ATI68R-126210	South of Lake	126210	✓					Diorite	intrusive, very poorly exposed o/c (~1m x 2m)
									fractured

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: Mahatta 168 — Results Plotted By: A.B

Area (Grid): — Map: — N.T.S.:

Collectors: A.O. BIRKELAND — Date:

Sample Number	Location Elev.	NOTES	Rock Description	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY
				Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity		
91AB 168	South		QFP - argillic		✓	✓	✓	Mix			-2'	1'	Sh		
91AB 168-	Quatsino		hem. alt x Py												
M 3047	Sound		Dio Sd Py Bx												
91AB 168			QFP QFP Bx			✓	✓	Light			2-8	1.5'	Sh		
M 3048	"		Dio And												
			Felsic tuff												
91AB 168	"		Foliated			✓	✓	Mix			-2'	1'	Sh		
M 3049			Hbld Dio; JB;												
			Int Bx												
91AB168	"		Dio			✓	✓	Mix			-2'	1'	Sh		
M 3050			Bl ang												
91AB															

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: LEG 168

ea (Grid):

nectors:

Results Plotted By:

Map: NTS:

Date: 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
82[redacted]												
91ABI68		LEG Showing - dup. of		✓	✓				Basic Intr	Bx; foliat		
C126037		C126038							+ bas (amydg) frags 5-20cm,			
									polylithic + int frags			
91ABI68		Duplicated		✓	✓				Alt: strongly magnetic, hem. spec. ±1-3% in mtx.			
C126038		126037							cpy ± .1 to .2% cpy - cpy in mtx not in frags-			
									Primary cpy in high Fe leaf S flow			

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: 168 Results Plotted By: _____

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

Collectors: J.L. JAY LEONARD Date: 22-28/06/91

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity		
M-3326	Dark gray Volcanic Tuff			✓	✓	✓		✓	~2'	2"	Shall		
M-3327	Altered Volcanics			✓	✓	✓		✓	~2'	3"	M		
M-3328	" "		✓	✓	✓	✓		✓	8-20'	4"	Shall		
M-3329				✓	✓			✓	8-20'	2"	Shall		
M-3330	GRAB			✓	✓			✓	2-8'	3"	Shall		
M-3522	Deadfall across creek. Good sample.		✓	✓					2-8'	?	Shallow		
M-3523	Good sample from just below waterfall.		✓	✓					2-8'	6"	Moderate		

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: Mahatta (168) Results Plotted By:

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

Collectors: IAN McCartney (IM) Date:

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY	
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity			
2 July 91	Near Les Showing													
M-M-3230	Sandy mat, inun above road. From rx in centre of strm. Near Les showing	60%							<2'	1"	Shallow			(P)
M-M-3231	Good mat from bldrs and outcrop ledge in centre of stream	Bldrs/Bedrock							<2'	2"	Shallow			(P)
1 JULY 91	East of Les, Mahatta 5.2													
M-M-3238	Main strm. Bottom of Cleagh road. Good Mat from tops of bldrs.		✓						8-20'	2'	Shallow			(P)
M-3239	Good mat from tops of small bldrs near bank.		✓						2-8'	DRY	Shallow			
M-3240	" " " " "		✓	✓					2-8'	DRY	Shallow			
M-3241	Good mat from bldrs.		✓						2-8'	DRY	Shallow			
M-3242	Sample from 6 bldrs, over 10-20m. No bank contamination		✓						2-8'	DRY	Shallow			
M-3243	Fine sand-silt in mat from branch debris. Poor site. Only organic mud and			✓	✓	HIGH			2-8'	DRY	Shallow			
	moss in stream bed.													
M-3244	From decomposed trees in middle of stream. Good sand/silt in moss mat		✓	✓					2-8'	DRY	Shallow			
M-3245	Good mat from tops of bldrs.		✓	✓	✓				2-8'	1"	Shallow			
M-3246	From bldrs over 50m length. Poor mat development. Minor wood moss taken.		✓	✓	✓				2-8'	DRY	Moderate			
M-3247	Good mat from steep rock face, at small waterfall.		✓	✓	✓				8-20'	DRY	Shallow			
M-3248	Main stream at Cleagh Depot. Good mat from boulders.		✓	✓					8-20'	1'	Shallow			(P)
2 JULY 91	Main Haul Road													
M-3249	30m above rd. Good mat from tops of bldrs.		✓	✓	✓				2-8'	DRY	Shallow			
M-3260	150m above rd. Good mat from top of bldrs.			✓	✓				2-8'	DRY	Moderate			
M-3261	60m above rd. Good mat from top of lge bldr.			✓	✓				2-8'	DRY	Shallow			
M-3262	20m above rd. Good mat from ore ledge.			✓	✓				<2'	1"	Moderate			
M-3263	20m above rd. Good mat from top of lge bldr.		✓	✓	✓	✓			2-8'	6"	Shallow			
M-3285	15m from rd. Good mat from top of bldrs			✓	✓	✓			2-8'	DRY	Shallow			
M-3266	150m up from S. end of airstrip. Good mat from lge bldrs.			✓	✓				8-20	DRY	Shallow			
M-3270	From bedrock ledge on side of strm. Good mat.		✓	✓	✓				9-20'	2'	Shallow			
1 Aug 91	Anomaly Following SW of Les Showing													
M-3625	Organic poorly developed mat from boulders, contains some sand. Lge boulders and gravel in stream.	✓		✓	✓	✓			2-8	DRY	Shallow			
M-3626	From top and backs of lge. bldrs in centre of stream.	✓		✓	✓	✓			2-8'	DRY	Moderate			
	125m upstream from Cu anomalous sample IM-M-3261													

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

ect: MAHATTA (168) Results Plotted By: _____

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

ectors: IAN McCARTNEY (IM) Date: _____

mple umber	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity		
	1 Aug '91 Continued												
3827	Good organic mat from backs of large boulders.	X		✓	✓	✓			2-8'	DRY	Moderate		
3830	Occ'd fg. non magnetic mafic volc bx with calcite clots. Good thick organic rich mat from outcrop ledge.	X		✓	✓	HIGH			2-8'	DRY	Moderate		
3640	Good sandy mat from tops of lge boulders.	X	✓	✓		✓			8-20'	DRY	Moderate		

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: MAHATTA

Area (Grid): "CLEAGH" AREA

Collectors: TRAVIS

Results Plotted By: AT

Map:

N.T.S.: 92 L/5

Date: June 26–27/91

Sample Number	NOTES	Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity	SPRING	DRY GULLY	Quality
Jun 26/91														
91AT168M-3102	Upstream, south of "Cleagh Showing" (reported location)	75	15	10				✓	<2'	<1"	S			F
91AT168M-3103	Downslope from Cleagh, prominent structure	75	25					✓	2-8'	2"	M			F
91AT168M-3104	100m downslope of road junction, creek then runs down old road bed where it's goss. exposure	75	25					✓	2-8'	2"	M			G
91AT168M-3105	~100m down road from M-3104. o/c of dark green-black volc. (basic)	50	50					✓	2-8'	2"	M			G
91AT168M-3106	~600m up road from junction with mainline. Rock sample 126163 also taken in creek "Cleagh Area"	80	20					✓	2-8'	2"	M			G
Jun 27/91														
91AT168M-3107	Lower road 'Cleagh Area' (~1.4 km from mainline) Float of felsics + basics. o/c nearby of fine laminated specularite goss. RHY-DAC	80	20					✓	<2'	DRY	M			F
91AT168M-3108	~950m up lower road from junction with mainline, goss. shear up creek	80	20					✓	2-8'	1"	M			F
91AT168M-3109	~850m up lower road from junction with mainline, float dk green volc.	80	20				OVERFLOW CHANNEL		2-8'	DRY	?			F

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: Mahatta
Area (Grid): "Kewquodie Creek + Dick LAKE"
Collectors: TRAVIS

Results Plotted By: AT
Map:
N.T.S.: 92 L/5
Date: JUNE 28/91

Sample Number	NOTES	SEDIMENT DATA: Gravel	Sand	Silt	Clay	Organic	STREAM DATA: Bank	Active	Width	Depth	Velocity	SPRING	DRY GULLY
91AT168M-3110	SOUTH OF DICK LAKE, BRIDGE WASHED OUT FELSICS + DIORITES MAPPED IN AREA	85	10	5				✓	2-8'	<1"	S		
91AT168M-3111	BELOW ROAD [illegible] BRIDGE, DRAINS "DICK" LAKE No [illegible] noted, [illegible] in AREA	75	10	5				✓	<2'	1"	S		
91AT168M-3112	Kewquodie Creek ~75m upstream of bridge where Mainline crosses	65	25	10				✓	8-20'	6"	M		
91AT168M-3113 (Recy)	Along J main WEST SIDE OF Kewquodie Creek near SOUTHERN PORTION OF MAHATTA 5	85	15					✓	2-8'	<1"	M		
91AT168M-3114 (Recy)	~200m NORTH OF 91AT168M-3113	80	15	5				✓	2-8'	<1'	M		
91AT168M-3115	NEAR IGNIMBRITE/INTRUSIVE CONTACT, PROPERTY FILES SHOW MOLY ANOMALY IN AREA	90	7	3				✓	<2'	<1"	M		
91AT168M-3116	SOUTH MAHATTA 5 AREA UPSLOPE OF M3313 + M3314 MAFIC VOLCANICS (MT RCH), FLOWS ON BEDROCK ONLY SEDIMENT IS MOSS MAT (SANDY)							✓	2-8'	<1"	F		
91AT168M-3117	J main near Mahatta 6+3 common boundary POOR SAMPLE (BUT ONLY ONE FOR MILES)	50	25	25				✓	<2'	DRY	?M		✓
91AT168M-3118	EASTERN SIDE OF MAHATTA 2 Poor Sample (Bank dilution again only one for miles)	80	15	5				✓	<2'	<1"	M		

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Moss mat

Project: Mahatta 168

Area (Grid):

Collectors: A. Birkeland

Results Plotted By:

Map: N.T.S.:

Date:

Sample Number	NOTES	Lithology	Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity	SPRING	DRY GULLY
			SEDIMENT DATA					STREAM DATA						
07/07/91														
91AB168	Boat Traverse from	Altered QFP		✓	✓		Mixed			-2'	1'	Shallow		
M3047	Quatsino Sound	Diorite, Sil. Py Bx.												
91AB168	"	QFP. QFP Bx; Marginal		✓	✓		Mixed			2-8'	1.5	Shallow		
M 3048		Bx + Diorite andesite												
		tuff (Felsic)												
07/08/91	Quatsino Sound Race	Altered QFP, Dio,												
91AB168		Sil Py Rock (Bx?)		✓	✓		Mixed			-2'	1'	Shallow		
M 3049		Foliated Hbl Dio												
91AB168	"	QFP: QFP Bx												
M 3050		Marginal Bx andesite		✓	✓		Mixed			-2'	1'	Shallow.		
		felsic tuff												

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: Mahatta (168) Results Plotted By: AT

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

Collectors: A. Travis Date: July 8/91

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DAY GULLY
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity		
91AT-BH-3174	NE Mahatta 3 (North Road Locked Grate) Fel Brx+Flows		✓					✓	2-8'	<1"	S		
M-3175	North of Mahatta 3		✓	✓		✓		✓	30'	4"	S		
M-3176	North of Mahatta 3 (Main creek Kewquodie)		✓✓	✓				✓	25'	8"	M		
M-3177	Main Kewquodie Creek, South Mahatta 3		✓✓	✓				✓	30'	8"	M		
M-3178	Small tributary from Dick Lake Area.		✓	✓		✓		✓	5'	4"	M		
M-3179	Major tributary from Dick Lake		✓	✓				✓	6'	2'	M-F		
M-3180	main Kewquodie Creek upstream of 3179		✓✓	✓				✓	30'	8"	M		
M-3181	1.1 Km up Kewquodie Creek from 3180		✓✓	✓				✓	25'	6'	M		
M-3182	Small tributary @ road from where headed down for 3181		✓	✓				✓	4'	<1"	M-F		
M-3183	Dark sample organic rich swamp upstream, west Mahatta 6		✓	✓		✓		✓	<2'	<<1"	S		
M-3184	just off claims, east of Mahatta 6		✓	✓				✓	10'	2"	M		

GPS Grab

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: 168 (MAHATTA) Results Plotted By: _____

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

Collectors: D. KROHMAN (D.K.) Date: JULY 8 '91

Sample Number 91DK 168 M	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity		
3445	SAMPLE FROM KEWQUODIE CREEK		50%	50%				/	30'	AVE 2'			
3446	SAMPLE FROM CLEAGH CREEK SYSTEM		50%	50%					2-8'				/

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: Mahatta

Area (Grid):

Collectors: TRAVIS

Results Plotted By: AT

Map:

N.T.S.: 92 L/5

Date: July 16 – July 18

Sample Number	NOTES	SEDIMENT DATA: Gravel	Sand	Silt	Clay	Organic	STREAM DATA: Bank	Active	Width	Depth	Velocity	SPRING	DRY GULLY
July 16/91													
91ATL68H-3185	ABOVE WATERTANK ON "CLEAGH MAIN"			✓	✓	✓		✓	8-20'	2"	F		
M-3186	Main Cleogh Creek		✓	✓	✓	✓		✓	8-20'	3"	S		
M-3187	opposite 3186 on small dry creek		✓	✓	✓	✓		✓	2-8	Dry	M		
M-3188	upstream of M 3185 (same creek)		✓	✓	✓	✓		✓	2-8'	2"	M		
M-3189	N Mahatta 1		✓	✓	✓			✓	2-8'	1"	M		
M-3190	" "		✓	✓	✓			✓	2-8	<1'	M		
M-3191	" "		✓	✓	✓	✓		✓	<2'	<1"	M		
M-3192	trachyandesite porphyry o/c in creek		✓	✓				✓	8-20'	2"	M		
July 17/91													
91ATL68H-3193	South Mahatta 5+6, East of "Cleagh Occurrence"		✓	✓	✓	✓		✓	8-20'	1"	M		
M-3194			✓	✓	✓	✓		✓	2-8'	<1"	F		
M-3195	Main creek moss mat choked with sand		✓					✓	20-60	3"	M		
M-3196	Main creek, moss mat choked with sand		✓					✓	20-60'	3"	M		
M-3197	South Mahatta 5+6		✓	✓				✓	2-8'	<1"	M		
M-3198	" "		✓	✓	✓			✓	2-8'	<1'	F		
M-3199	" "		✓	✓	✓			✓	8-20'	Dry	M		
	South Mahatta 5+6												
91ATL68H-3715	downstream of where possible structure crosses creek		✓	✓	✓	✓		✓	8-20'	1"	M		
M-3716	downstream of Cpy min'z'n (115m upstream)		✓	✓				✓	20-60'	3"	M		
M-3717	near bottom of logging cut			✓	✓	✓		✓	2-8'	<1"	M		
July 18/91													
91ATL68H-3718	Swamp, very poor, maybe contaminated from road, NE Mahatta 5		✓	✓	✓	✓		✓	8-20'	2'	SLOW		
M-3719	SE Mahatta 2		✓	✓	✓			✓	2-8'	<1"	M		
M-3721	NW Mahatta 6		✓	✓	✓	✓		✓	<2'	<<1"	F		
M-3723	Upstream of Darcy's Sample M-3446, West Mahatta 6		✓	✓	✓	✓		✓	2-8'	<<1"	M		
M-3724	NW Malvatta 6		✓	✓	✓	✓✓		✓	2-8'	<1"	S		
M-3725	Ignimbrite outcrop NW Mabatta 6			✓	✓			✓	2-8	<1"	F		
*	Note 3720 a Soil, 3722 NOT TAKEN												

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: Mahatta — Results Plotted By: AT

Area (Grid): — Map: — N.T.S.: —

Collectors: TRAVIS — Date: JULY 19, 21

Sample Number July 19/91	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity		
91AT168L-3727	slide area, tufts of grass with gravel → silt Mahatta Cr	✓	✓	✓				✓	20'	Dry	F		
M-3741	moss mat, 15m up creek from road NE Mahatta		✓	✓	✓			✓	<2'	<<1"	S		
July 21/91													
91AT168M-3753	SW Mahatta Corner Mahatta "		✓	✓		✓		✓	2-8'	<1"	M		
M-3754	" "		✓	✓		✓		✓	8-20'	1"	M		
M-3755	" "		✓	✓				✓	8'	2"	M		
L-3756	" "	✓	✓	✓				✓	6'	1"	M		
L-3757	" "	✓	✓	✓				✓	60'	Dry	M		
M-3758	" "		✓	✓				✓	6'	1"	M		
M-3759	" "		✓	✓	✓			✓	15'	<1"	M		
M3760	X Creek NE		✓	✓				✓	10'	Dry	M		
M3761	" "		✓	✓		✓		✓	8'	Dry	M		

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: Mahatta

Area (Grid):

Collectors: TRAVIS

Results Plotted By: AT

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

Date: July 18/91

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
															OVERTURNED					
91ATK8S-3520			Prominent gulley NE of MAHATTA 3+6 LCP	✓	N		✓	✓						B	TREE	✓				MB
			Contact above? test for												ROOT					
			min'zn assoc. with structure?																	

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: Nahatta — Results Plotted By: AT

Area (Grid): East Nahatta 6 — Map: _____ N.T.S.: 92L/5

Collectors: TRAVIS — Date July 19/91

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	Colour
91RM695-3726			Soil near top of wash out, ignimbrite?		N						✓			B	Stump				?	RC
L-3727	see stream sediments																			
S-3728	0+45		END OF ROAD		W						✓			B					✓	OB
S-3729	1+25		Rocky soil		W						✓			B					✓	RB
S-3730	2+00				W						✓			B					✓	MB
S-3731	2+80		Rocky		W						✓			B					✓	MR
S-3732	3+30				W						✓			B					✓	MR
S-3733	3+80				W						✓			B					✓	MB
S-3734	4+30				W						✓			B					✓	RB
S-3735	4+80				W						✓			B					✓	RB
S-3736	5+15				N						✓			B					✓	VE
S-3737	5+65				N						✓			B					✓	RC
S-3738	6+15				N						✓			B					?	RC
S-3739	8+15				N						✓			B					?	MR
S-3740	9+25				N						✓			B					✓	MB
H-3741	see Stream Sediments																			
S-3742	10+35				NE						✓			B					✓	MB
S-3743	10+85		More like a talus sample		NE						✓			B					✓	WB
S-3744			Intrusive n/c nearby		W						✓			B					✓	LI
S-3747					W						✓			B					✓	LI

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: Mahatta

Area (Grid):

Collectors: TRAVIS

Results Plotted By:

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

Date July 23/91

Sample Number	Sample Location: Distance 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
TRAVIS-3800	0+00				SE					✓	✓			B	60					RB
S-3801	0+63				SE					✓	✓			B	60					MB
S-3802	1+00				SE					✓	✓			B	30					MB
S-3803	1+50				SE					✓	✓			B	30					HB
S-3804	2+00				SE					✓	✓			B	25					LRB
S-3805	2+50				SE					✓	✓			B	20					MB
S-3806	3+00				E					✓	✓			B	20					MRB
S-3807	3+50				E					✓	✓			B	15					MRB
S-3808	4+20				E					✓	✓			B	25					MRB
S-3809	4+50				E					✓	✓			B	20					MRB
S-3810	5+00				E					✓	✓			B	20					MRB
S-3811	5+25				NE					✓	✓			B	15					MRB
S-3812	6+05				NE					✓	✓			B	20					MRB
S-3813	6+50				NE					✓	✓			C	20					GB
S-3814	6+65		TALUS FINES		NE					✓	✓				?					LB
S-3815	7+00				NE					✓	✓			B	20					GB
S-3816	7+65				NE					✓	✓			C	15					GB
S-3817	8+10				NE					✓	✓			B	25					LRB
S-3818	8+60				NE					✓	✓			B/C	20					MB
S-3819	9+10				N					✓	✓			C	30					GB
S-3820	9+50				N					✓	✓			B	30					LRB
S-3821	10+00				NW					✓	✓			B	15					LRB
S-3822	10+50				NW					✓	✓			B	20					LRB
S-3823	11+00				NW					✓	✓			O	30					LRA
S-3824	11+50				NW					✓	✓			O	25					MR
S-3825	12+00				NW					✓	✓			B	10					RB
S-3826	12+50		Bottom of a meeting on till		NW					✓	✓			A	35					DB
S-3827	13+00				NW					✓	✓			B	25					KBM

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: Mahatta — Results Plotted By: —

Area (Grid): — Map: — N.T.S.: 92 L/5

Collectors: TRAVIS — Date July 23/91

Sample Number	Sample Location: Dist. 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
~~S-3828~~	13+50		TALUS FINES	✓	NW					✓	✓				?					LB
S-3829	14+15			✓	NW					✓	✓			B	10					LB
S-3830	14+30		Bottom of A above till	✓	NW					✓	✓			A	25					DB
S-3831	15+25			✓	NW					✓	✓			B	15					RB
S-3832	15+75			✓	NW					✓	✓			A	20					RB
S-3833	15+95			✓	NW					✓	✓			B	15					RB
S-3834	16+40			✓	NW					✓	✓			AHC	15					GB
S-3835	16+95		Outside of Bend (West side)	✓	SE					✓	✓			B	35					RB
S-3836	17+75			✓	SW					✓	✓			B	?					RB
S-3837	18+13			✓	SW					✓	✓			C	15					GB
S-3838	18+49			✓	SW					✓	✓			C	10					GB
S-3839	19+05			✓	NW					✓	✓			AHC	30					GB
S-3840	19+52			✓	NW					✓	✓			C	35					GB
S-3841	20+00			✓	NW					✓	✓			BHC	20					GB
S-3842	20+45			✓	NW					✓	✓			B	25					RB
S-3843	20+80			✓	NW					✓	✓			B	?					RB
S-3844	21+10			✓	SE					✓	✓			B	35					RB
S-3845	21+54			✓	SE					✓	✓			B	40					RB
S-3846	21+97			✓	SE					✓	✓			B	20					MB
S-3847	22+60			✓	SE					✓	✓			B	15					LB
S-3848	22+97			✓	SE					✓	✓			B	20					MB/RB
S-3849	23+50			✓	SE					✓	✓			B	20					RB
S-3850	23+95			✓	SE					✓	✓			B	15					RB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: MAHATTA (168)
Area (Grid):
Collectors: IAN McCARTNEY (IM)

Results Plotted By:
Map: N.T.S.: 92L/5
Date

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
IM 3628	SW of Les Showing		Orange brown B Horizon, Steep, Talus cobble blocks in area of sample.					✓							1'	✓				
IM 3629	" " "	"	Reddish brown B Horizon. Some organics in sample. Steep		4 Mod			✓							1½'	✓				
IM 3631	" " "	"	Orange brown B Horizon, low organic, Steep.					✓							1½'	✓				
IM 3632	" " "	"	Orange brown B Horizon. Steep					✓							1½'	✓				
IM 3633	" " "	"	Brown-blk mixed soil with small angular talus frags throughout - Steep					✓							1½'		✓			
IM-3634	" " "	"	Orange brown. Good profile, moderate slope.					✓							1'	✓				
IM-3635	" " "	"	Bright orange bn B-Horizon. Steep					✓							1'	✓				
IM-3636	" " "	"	Orange bn B-Horizon. Some organic mixed into sample.					✓							1½'	✓				
IM-3637	" " "	"	Orange bn. B-Horizon. Angular volc rock Frags. Steep slope.					✓							1'	✓				
IM-3638	" " "	"	Orange brown B-Horizon. Moderate slope					✓							1¼'	✓				
IM-3639	" " "	"	" " " " " "					✓							1½'	✓				