Report
on a
Soil Geochemical Survey

Hat Project

Lat.58°11'38"N and Long. 131°37'53"W

Sheslay Mining District,
Atlin Mining Division,
British Columbia

Assessment Report Submitted to:

Mineral Titles Division,
Geological Survey Branch,
Ministry of Energy and Mines, Victoria, B.C.

Dates of Work: August 23 to September 2, 2005

Work Permit No: SMI-05-0101459-0615

Statement of Work Event No 4047964

Prepared By:

Thomas E. Lisle, P. Eng.
Erik A. Ostensoe, P. Geo.

September 30, 2005

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0.0 SUMMARY

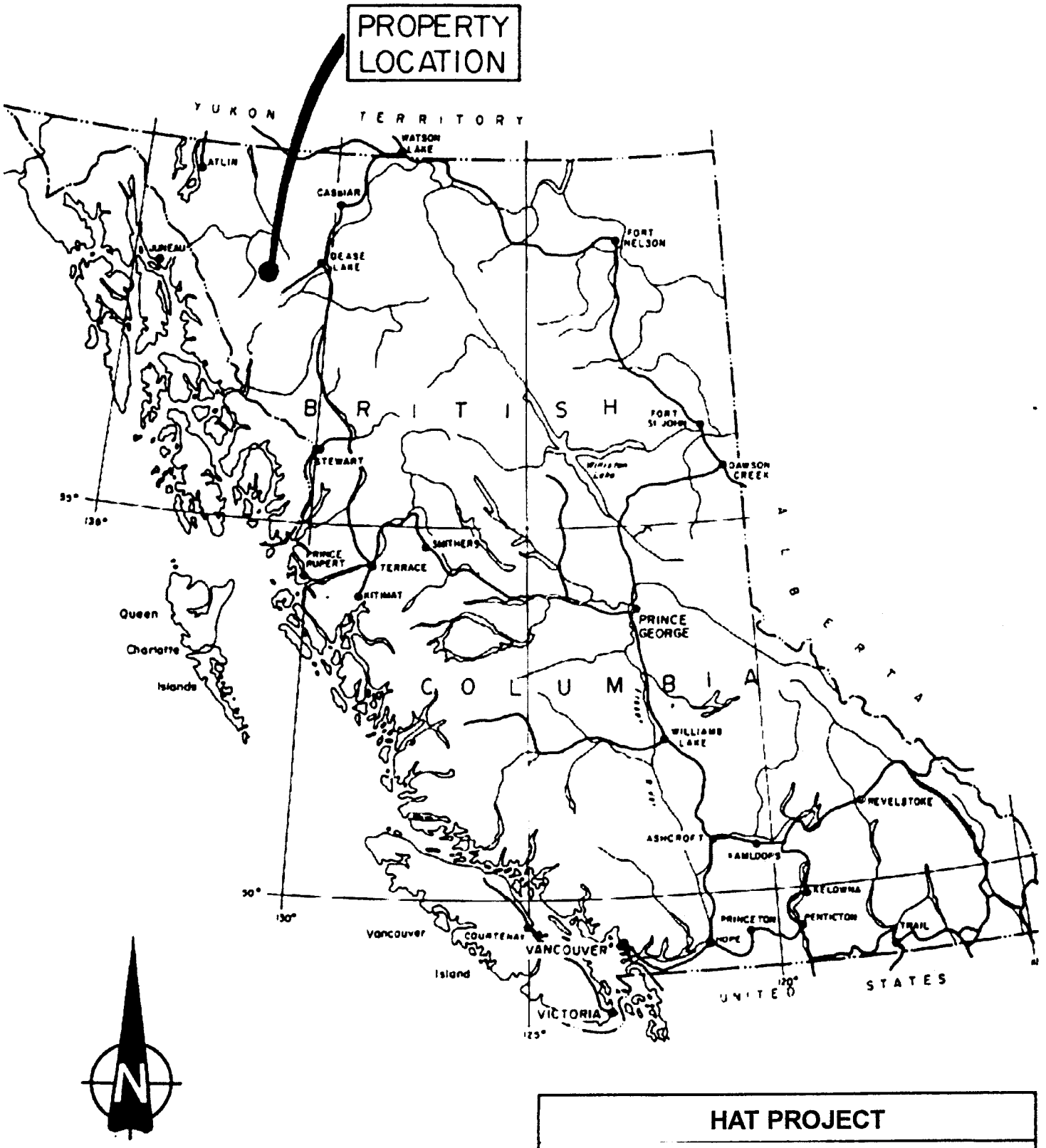
During August and September 2005, T.E. Lisle, P. Eng. and E.A. Ostensoe, P. Geo., carried out a geochemical soil sampling program on a section of the Hat Project claims located in the Sheslay District of the Atlin Mining Division, northwestern British Columbia. The claims had previously been explored by the owners intermittently between 1994 and 2001, and by various mining companies between 1970 and 1994

The 2005 survey work was directed to the western section of the Gossan Creek zone, one of three areas in the claims where significant concentrations of copper and gold mineralization had been identified. The survey involved the collection of 95 soil samples taken at 50 metre centers on six east-west lines tied into an earlier survey line (2001 survey, line 6).

The samples were analyzed at an accredited laboratory in Vancouver. Resulting assays ranged up to 179 ppb gold; 1,794 ppm copper; 205.2 ppm arsenic and 290 ppm barium, with locally elevated levels of cobalt, nickel and zinc,

The assay data confirms the results of earlier survey work, and appears to indicate a northeasterly trend to anomalous areas of interest. The results also confirm a widespread distribution of anomalous concentration of the same elements in the soils of the Hat claims, and points to a need for a more comprehensive exploration program to better evaluate toe economic potential of the claims.

This report presents the details of the 2005 geochemical soil survey on the Hat claims, and presents the results of the work on maps accompanying the report.



HAT PROJECT

PROPERTY LOCATION MAP

Drawn	N.T.S. 104J/4E	Date 2005/09	Figure. 1

1.0 INTRODUCTION

1.1 Introduction.

The Hat property is located in the Sheslay District of northwest British Columbia. The geologic setting here is similar to other areas of the Cordillera that host numerous copper –gold and copper molybdenum porphyry deposits. During the 1970's, porphyry copper-gold deposits at Polar Creek, and Dick Creek, and a skarn deposit at Copper Creek in the western part of the district were explored by a variety of geological, geochemical, and geophysical surveys and bulldozer trenching. The mineralized zones at Copper and Polar Creeks, and at the Kid-Grizzley prospect slightly further to the west were also drill tested.

During the late 1970's, the area now occupied by the Hat Claims was subjected to similar surveys as above, and by bulldozer trenching. The claims lie about 9 kilometres to the south of an access road between Telegraph Creek and the Golden Bear Mine. The construction of this road in the 1980's gave better access to the area, and led to the discovery of a high-grade gold occurrence (Wolverine) a few kilometers south of the Hat claims. Significantly, this occurrence saw renewed exploration in 2004 and, the Dick Creek deposit in the western part of the district was drill tested in 2004 and 2005 with significant copper-gold intercepts reported.

The Hat Project area is in Map Sheet 104J that was the subject of a provincial regional geochemical survey in 2000. The results of the survey, released in 2001, included a number of samples in the Sheslay district that are clearly anomalous in gold and base metals. (ref. BC RGS 55/GSC Open File 4011).

Lisle and Ostensoe have extensive experience in the Sheslay District, and have held claims in the Hatchau Lake area since 1994. Since that time, they have carried out small exploration programs that at times were supported by grants from the now defunct BC Prospectors Assistance Program. During the period August 23 to September 2, 2005, the owners carried out a geochemical survey on a section of the claim group and the results of that work are described herein.

1.2 Property

E. Ostensoe and T.E. Lisle are the co-owners of the claims that comprise the Hat Project. Recent changes to provincial mining regulations allowed for the conversion of Legacy claims to the new cell claim designations and this change has resulted in new tenure numbers and claim size. As presently constituted, the following describe the tenures in the Hat Property.

Hat Claim Map

Mineral Titles Layers

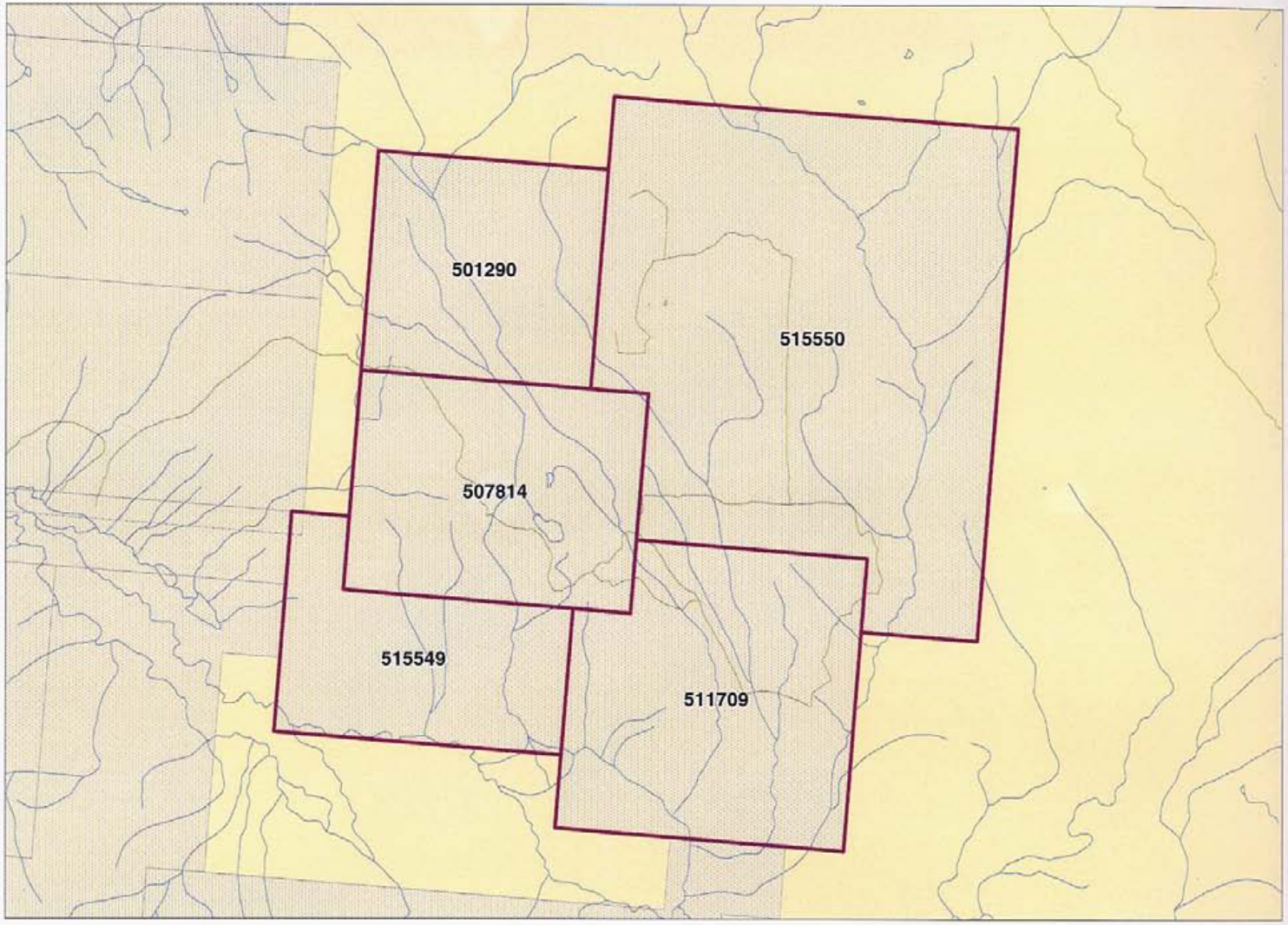
- Hat Tenure
- All Mineral Tenures

Topographic Layers

- Railways 1:20K (<100K)
- Roads 1:20K (<100K)
  - Gravel Road
  - Paved Road
  - Rough Road
- Lakes 1:20K (<100K)
- Rivers 1:20K (<100K)

BC Border Layers

- BC Border 1:50K



SCALE 1 : 41,697

1 0 1 2 3

KILOMETERS

N

Old Name	New Tenure#	Issue Date	Total Cells	Current GTD	Total Hectares	Assessment @$4.00/H	Assessment @ $8.00/H
Hat 3	511709	2005/Apr/26	15	2005/Sep/30	324.014	$1,296.06	$2,592.11
Bob 2	507814	2005/Feb/24	15	2005/Sep/30	255.738	$1,022.95	$2,045.90
Hat	501290	2005/Jan/12		2006/Jan/12	204.528	$818.11	$1,636.22
Hat 4	515549	2005/Jun/29		2005/Sept/30	187.587	$750.35	$1,500.70
Bob 1	515550	2005/Jun/29		2005/Sept/30	715.865	$2,863.46	$5,726.92
Total					**1,687.732**	**$**	**$**

Annual Filing Fees @ $0.40/Hectare $675.0928

1.3 Location and Access

The Hat claims are located in Northwest British Columbia in Map sheet 104J/4E (104J012/104J013/104J022 and 104J023), and are centered approximately on Coordinates 131°37'53"W, and 58°11'38"N. The property is adjacent to Hatchau Lake that is situated 95 km west of Dease Lake and 50 km northwest of Telegraph Creek.

The claims lie mainly north of the Hackett River Lineament that drains Hatchau Lake northwest to the Sheslay River. Elevations in the claim area range from about 625 to 1300 metres above sea level. The slope to the north of the main Hackett River valley is relatively steep to about the 1000 metre elevation, but becomes flatter to the north towards Level Mountain. Some of the creeks are deeply incised into the south escarpment, and the area is thinly forested with poplar and spruce, and locally by bushy marshes and muskegs.

An all weather road connects Dease Lake to Telegraph Creek, and a limited access mine service road* branches from the main road near Telegraph Creek and passes about 8-10 km. south of the Hat claims. There is an overgrown airstrip located at the confluence of the Hackett River and the Sheslay River some 13 km west of the Hat claims. For practical purposes, the easiest current access is by float-equipped aircraft to Hatchau Lake, or by helicopter from the Golden Bear Mine Road. Helicopter access would be preferable and necessary to establish camps on the upper slopes.

* The Golden Bear Mine Road is now locked and special permission has to be obtained from Telegraph Creek for access.

1.4 References.

1) Gabrielse, H. 1998. Geology of the Cry Lake and Dease Lake Map Areas, North Central British Columbia, GSC Bulletin 504.
2) Jackman, W. and Friske, PWB. (2001). Regional Stream Sediment and Water Data, Dease Lake, British Columbia (NTS 104J) BC RGS 55/GSCC Open File 4011
3) Lisle, T.E. (1997) Geological and Geochemical Report on the Hat, Bob and Ken mineral claims, Atlin Mining Division, B.C. Assessment Report 24935
4) Ostensoe, E, and Lisle, T. E. 1996 Report of Work, Hat Project, Atlin MD, BC, Assessment Report 24388
5) Panteleyev, A. McMillan, W.J. Preto, V.A,
–1974 Geological Fieldwork,. Geochemical Sampling, Geology and Magnetics of the Kaketsa Stock. 104J/4W
- 1973 Kaketsa Stock. Geology Exploration and Mining in BC. 1972, pp 547-549
_ 1988. GAC. The Gangue, MDD. Ore Deposit Models: Epithermal Au-Ag Low Sulphidation.
6) Schmidt, A. 1978 Linecutting and Geochemical Surveys, Ski Property, Atlin M.D., B.C. Assessment Report 6835
7) Vyselaar, J. 1979. Combined Linecutting, Geochemical and Geophysical Report, Ski Property, Atlin M.D., B.C. Assessment Report 7482.
8) Miscellaneous Private file notes and reports on the geology and exploration of the Hat claim area assembled from various sources between 1976 and 2005

2.0 GEOLOGY

2.1 Regional Setting

The Hatchau Lake area is in the intermontaine belt where the Stikine Plateau merges with the Coast Mountains. This area is coincident with the northern margin of tectonic terrain Stikinia where structural trends are dominantly west-northwest and northerly.

The claim area is within a zone of crustal rifting, marked by northerly trending belt of Miocene to Recent aged volcanoes (TQw) including the Level Mountain.Volcano. This zone crosses the Nahlin and King Salmon Faults, regional northwest structures related to terrain boundaries. An important epithermal gold-silver occurrence, located at Heart Peak, to the west of the Level Mountain volcano, and an epithermal gold-copper occurrence at the Hat property near the southern boundary of Level Mountain, indicates that these young volcanic complexes may have potential for the development of precious metal deposits.

The Hat property is in the Sheslay district where the Level Mountain basalts intrude and overlie sections of the Stuhini Group (TrJt), an arc assemblage of andesitic to basaltic volcanic and related sedimentary rocks of upper Triassic age. The Stuhini Group is similar to, and correlative with, the Nicola and Takla formations mainly to the east and southeast that host a significant number of productive porphyry copper (+-Au, Mo) deposits of both the alkaline and calc-alkaline suites. The Hat property is located in a central area where a north-south trending section of the Stuhini formation abuts the Nahlin-King Salmon faults, and where the formational trend swings northwest-southeast sub parallel to these faults.

The region is marked by a number of intrusions that range in size from batholiths to dykes. The intrusions are commonly late Triassic to early Jurassic in age, are calc-alkalic to alkalic in composition (Ejg/Ejd) and, in part, coeval with the Stuhini volcanic rocks. The large Moosehorn Batholith to the south of the Sheslay district is largely diorite in composition but ranges from gabbro to quartz monzonite.

A surprisingly large number of mineral occurrences are present in the Sheslay District and many are spatially related to the Kaketsa Stock and other smaller intrusions. Exhalative sulphide mineralization is present in volcanic sedimentary rocks near Copper and Dick Creeks, and porphyry-style copper-gold mineralization has been investigated at Kaketsa Mountain, at the Kidd-Grizzley, and at Dick Creek in the west section of the district.

2.2 Geology of the Hat Claims

The Hat claim area is underlain by a large dioritic stock that trends generally east west. The stock intrudes Stuhini volcanic and related sedimentary rocks near the south contact of Level Mountain Volcanics. Mapping and regional magnetic surveys indicates that the

central core of the intrusion is a magnetite-rich medium to coarse-grained gabbro. Phases of the intrusion are similar to the more common Kaketsa-type medium-grained diorite found mainly to the west, but neither the size nor architecture of the intrusion has been fully defined. Monzonite to syenite dykes are scattered throughout the Hat claims.

The intrusion is of interest due to extensive areas of alteration that occur around the northwest and southeast contacts, and to widespread copper and gold mineralization found in its vicinity. To the northwest, a wide zone described as light gray or green-gray to cream coloured fine-grained diopside-plagioclase-silicate hornfels is reported. To the south of the stock, a very large conspicuous bright-orange gossan marks an area of extensive carbonate-silica-argillic? alteration and zones of breccia centered over an area of intense faulting and fracturing along Gossan Creek, and to the west of Hatchau Lake.

2.3 Mineralization

Significant concentrations of copper and gold mineralization have been extensively explored at a number of prospects in the Sheslay District (Copper Ck., Dick Ck., Kidd-Grizzley, Kaketsa Mtn., and Wolverine). The style of mineralization is varied and includes porphyry, exhalative, vein and skarn zones.

Work at the Hat property indicates that known copper and gold mineralization is concentrated mainly in three areas:

a) Hoey Prospect.
A northerly trending cluster of veins and lenses of specular hematite with subordinate pyrite and chalcopyrite occur immediately northeast of Hatchau Lake. Sampling by the writers yielded assays up to 8.1 ppm Au and 23,530 ppm Cu. Of interest is the presence of elevated levels of cobalt +-As, and Ni., and slightly elevated levels of Ag and W. Written descriptions (A Panteleyev) suggest a similarity with mineralization the PET prospect located further along the south Level Mountain contact north of Sheslay.

b) Hat North.
A very large Cu +- Au gold in soil anomaly is present about 3 km north of Hoey. The area is largely drift covered, but limited outcrop and trenches expose minor magnetite, pyrite and chalcopyrite in weak to moderately altered dioritic rocks. Assays ranged up to about 0.!% Cu. A sample of float collected from a drift covered area to the east of the trenches showed significantly higher concentrations of Cu and Au. Insufficient work has been completed on this zone to determine the style of mineralization.

c) Gossan Creek.
The large alteration zone noted above immediately northwest of Hatchau Lake is characterized low sulphide concentrations including finely disseminated chalcopyrite, pyrite and a very fine unidentified dark gray sulphide. Well banded and comb textures,

are present but not common. Breccias and adjacent rocks show evidence of multiple brecciation and deposition, and soil and rock geochemistry show that the alteration zones are variably anomalous in copper, gold, arsenic and barium. Background data also show that scattered highs of Zn. Pb. and Sb. have been noted but are not common. Silver content is mainly low. Of interest is a grab sample of silicified (chalcedonic) breccia that assayed 966 ppb Au.; 4,951ppm Cu.; 2,752ppm As.; 2.8 ppm Ag.; 21ppb Sb., and 213 ppm Co.
These characteristics appear to suggest the presence of a 'Low sulphidation epithermal system' where narrower discrete mineralized conduits may be obscured by broad alteration haloes. The presence of elevated levels of cobalt and nickel, elements not commonly associated with these types of deposits, indicates that the mineralization may be more complex, and may have a relationship to the Hoey mineralization noted earlier.

3.0 WORK PROGRAM

3.1 Introduction.

The owners drove to Dease Lake with camp, groceries and exploration equipment and chartered a fixed-wing aircraft to Hatchau Lake about 90 kilometres to the west of Dease Lake. Hatchau Lake lies on the southern perimeter of the Hat property and a camp was established near the northwest corner of the lake. A radiotelephone was set up at the camp for communication with the aircraft company. Travel and fieldwork occupied 11 days, from August 23 through September 2, 2005.

Prior to leaving Dease Lake for the property, the owners met with representatives of the Tahltan First Nation at the band office in Dease Lake. The purpose of the meeting was to advise them of our claims and to apprise them of our work plans.

Some of the previous work at the property had been directed to the main Gossan Creek area with a few long traverse lines extended to the west section of the property (Formerly HAT 4 claim before conversion to cell claims). The soil chemistry from samples on the westerly lines had shown a few sites with anomalous levels of copper, gold etc. and the 2005 work was directed expanding the data in this area.

3.2 Sampling Procedure.

A total of 95 soil samples were collected from a small grid located near the west end of the previous grid. A control point on Line 8+00S at 19+00W on an old line was located and a compass and belt chain line run easterly for 185 metres, then north for 100 metres to establish a new station 7+00S at 17+00W. From this point, a sub base line was run north to 4+00S and 17+00W and stations marked at 50 metre intervals. Six east-west cross lines were established and marked at 50 metre intervals mainly between 13+50W and 21+00W. Because line 6 from a previous survey covered much of the area between the new lines 5+00S and 6+00S, a new line was not established in this area.

The sample grid was tied in to two points of the old Line 6+00S. E Trex GPS readings were also collected at a number of grid points on the survey, and these points are noted on Figure 3 to this report. Some of the grid lines were also tied off at 13+00W and 21+00W.

The Sheslay area has been glaciated, and bedrock is partly obscured by a thin veneer of glacial till. In some areas, the till may be up to a few metres thick. A typical soil profile includes a few centimeters of dark organic material that is commonly underlain by a brown clayey soil that varies to dark brown, or to red brown and in some areas yellow brown with depth. Experience in the area has shown that the clay-rich tills can significantly mask bedrock and subcrop mineralization, therefore when sampling, there is a need to penetrate the surficial cover as deep as possible.

Outcropping and talus slopes are locally evident, and are mainly composed of green volcanic or volcanic sedimentary rocks of the Stuhini Group. Highly altered limonitic carbonate-silica rock (breccia)? is also present. Notes on the presence of these rock units are added to sample data sheets where space permitted.

All samples were dug with a shovel or a soil-sampling pick. Commonly, the samples were taken at depths of 15 to 30 cm. and details on location, colour, content etc were recorded on data sheets that form part of this report. The samples were air dried for several days then packed in boxes and delivered to Acme Analytical Laboratory in Vancouver.

3.3 Laboratory Procedure.

On delivery to the laboratory, the samples were further dried at 60°C and screened to obtain the –80mesh fraction. 15gram splits were then leached in hot (95°C) Aqua Regia and samples were analyzed for 36 elements by ICP-MS methods. The results of the analyses are appended in Assay data sheets in appendix 2 to this report.

4.0 PROGRAM RESULTS.

Based on previous work, it was expected that elevated levels of some of the more commonly sought elements would be present in the grid, and this was found to be the case. For purposes of display, seven of the elements (Cu. Au. As. Ba. Co. Ni. Zn) have been plotted and are included as figures 4a to 4g to this report. Included in the plots are sample sites from the old (2001) 6S line that passes centrally through the grid. Areas of possible interest for these elements are highlighted by contours. The full range of analytic data is included in appendix 2 to this report.

As a generality, there is a wide scattering of anomalous areas that tend to be more concentrated in the central and northeast sections of the grid. Contouring suggests a probable northeast trend for some of the anomalies. Correlation between anomalous elements is locally good but in some areas it is weak or not evident.

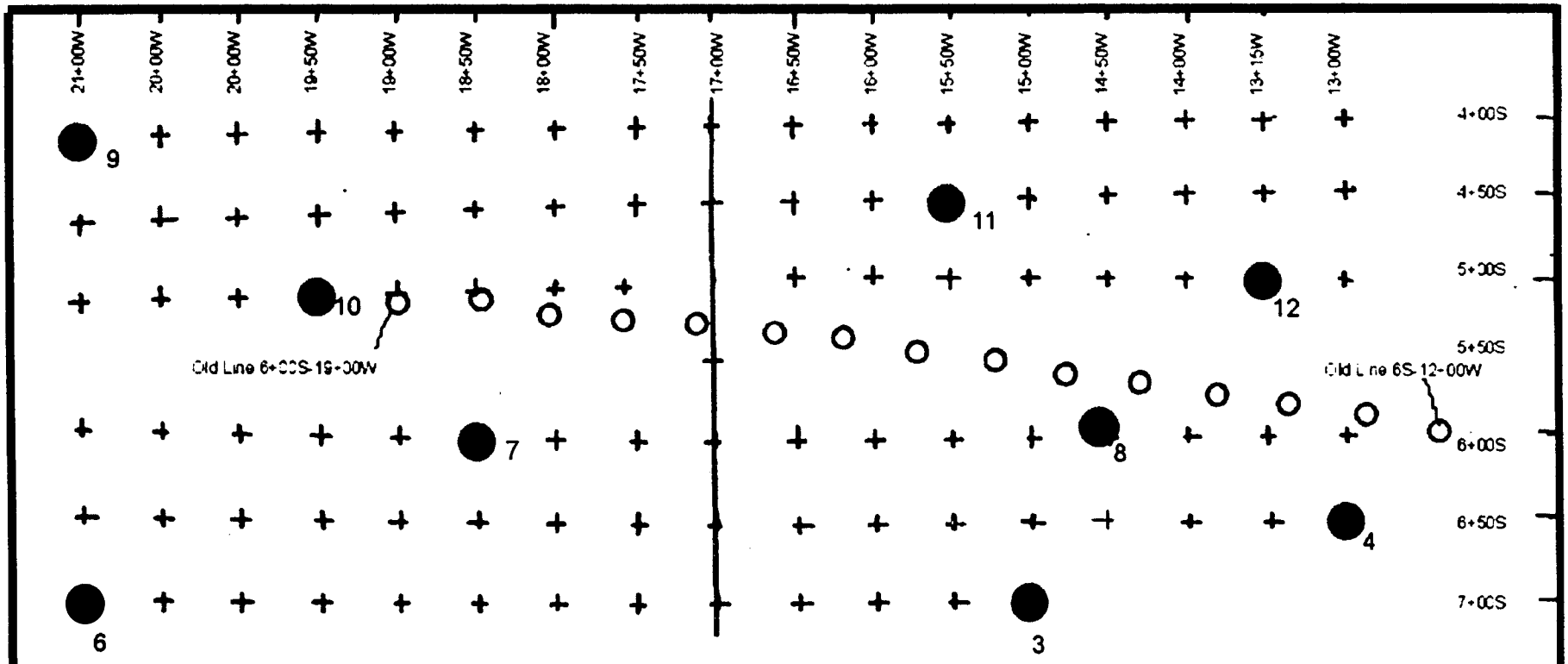
5.0 CONCLUSIONS AND RECOMMENDATIONS

Previous geochemical work on the Hat claims in the area west of Gossan Creek had shown the presence of anomalous concentrations of copper and gold and related elements in the soils. A more detailed soil survey carried out in 2005 over a section of the same area resulted in anomalous concentrations of the same elements and confirmed the earlier results.

Evidence at Gossan Creek appears to indicate an epithermal mineral system centered on breccia zones at or near major fault structures. The presence of anomalous copper, gold, arsenic, barium, cobalt and nickel in the 2005 soil grid, and evidence of similar mineralization in massive hematite veins located two kilometers east of Gossan Creek indicates that much of the mineralization in the Hat claims may be connected to a very large mineral system the size and shape of which is presently unknown. Some of the mineralization is suspected to relate to late stage volcanism at Level Mountain.

The geology of the 2005 grid area was not mapped. Large sections of the grid are drift covered, however outcropping was noted at a number of points, mainly in the eastern grid. To evaluate the geochemical data, it will be necessary to map the geology, and to extend the grid into areas of interest mainly to the northeast and southwest.

The 2005 work program was one of a number of limited efforts to evaluate the mineral potential of the claims. Like the other programs, this work has yielded results that are encouraging but not sufficient to determine drill targets. To get to the drill testing stage, all known mineralized zones on the property, including the 2005 grid area, should be further evaluated by a comprehensive program of detailed mapping, geochemistry, and geophysics.



Hat Project
GPS Waypoints: 2005 Assessment Work.
Magnetic Variance 24°

GPS Garmin Etrex. Waypoint	NAD 83 Elevation(M)	East	North	Accuracy.
2 (Camp)	649	346,820	6,452,564	?
3 (Grid 7+00S 15+00W)	783	345,573	6,452,913	9M.
4 (Grid 6+50S 13+00W)	808	345,765	6,452,997	14M.
6 (Grid 7+00S -21+00W)	645	345,049	6,452,895	14M.
8 (Grid 6+00S-14+50W)	845	345,602	6,453,004	7M.
9 (Grid, 4+00S-21+00W)	705	344,971	6,453,175	11M.
10 (Grid, 5+00S-19+50W)	720	345,098	6,453,040	9M.
11 (Grid, 4+50S-15+50W)	827	345,512	6,453,131	12M.
12 (Grid, 5+00S- 13+50W)	890	345,689	6,453,115	10M.
7 (Grid, 6+00S-18+50W)	746	345,222	6,453,003	24M.

GPS Waypoints

HAT PROJECT, ATLIN MINING DIVISION

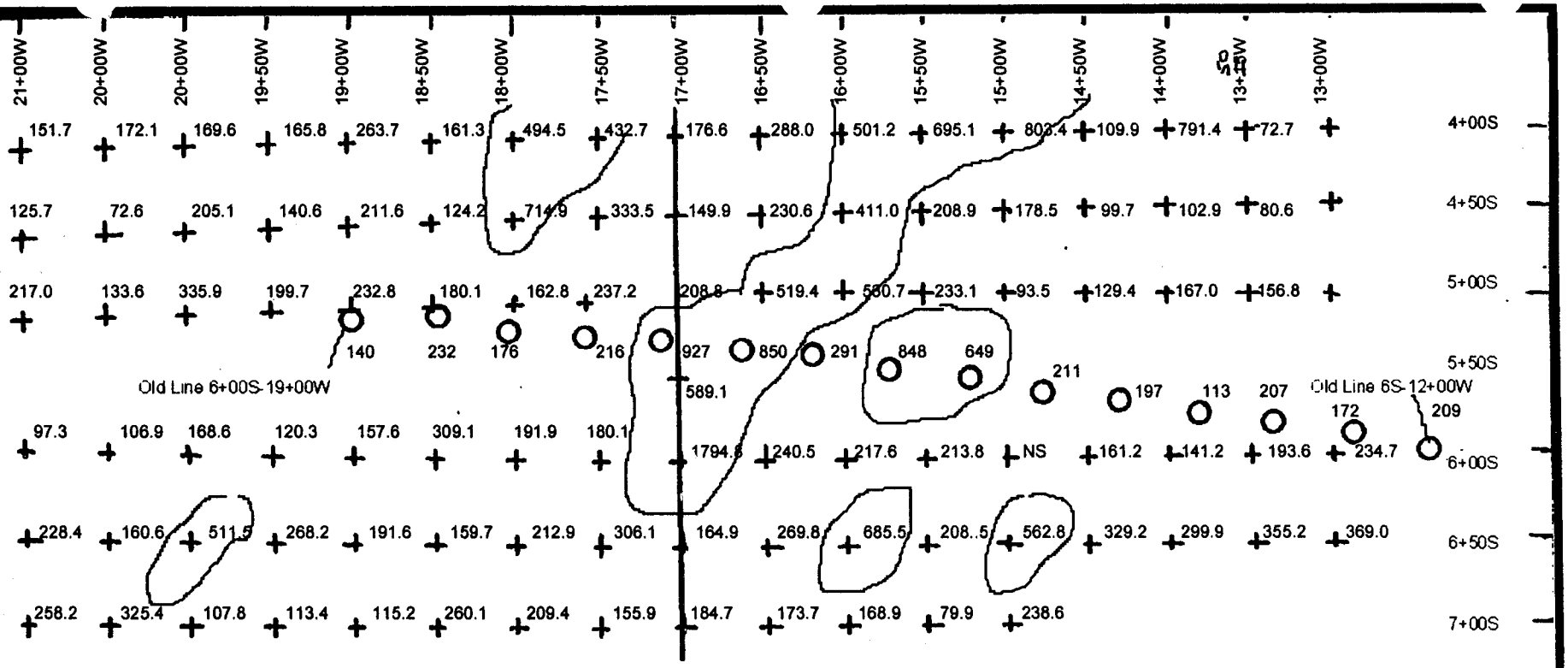
Geochemical Survey, West Gossan Creek Area

E trex GPS Waypoints NAD 83

Figure 3 **September, 2005**

0 50 100 150 200 250 Metres

Scale



○ **Geochemical Data, 2000**

\+ **2005 Geochemical Data**

O	0	to	150	ppm
O	151	to	240	ppm
O	241	to	300	ppm
O	301	to	400	ppm
O	>400			ppm

> 400 ppm Cu

HAT PROJECT, ATLIN MINING DIVISION

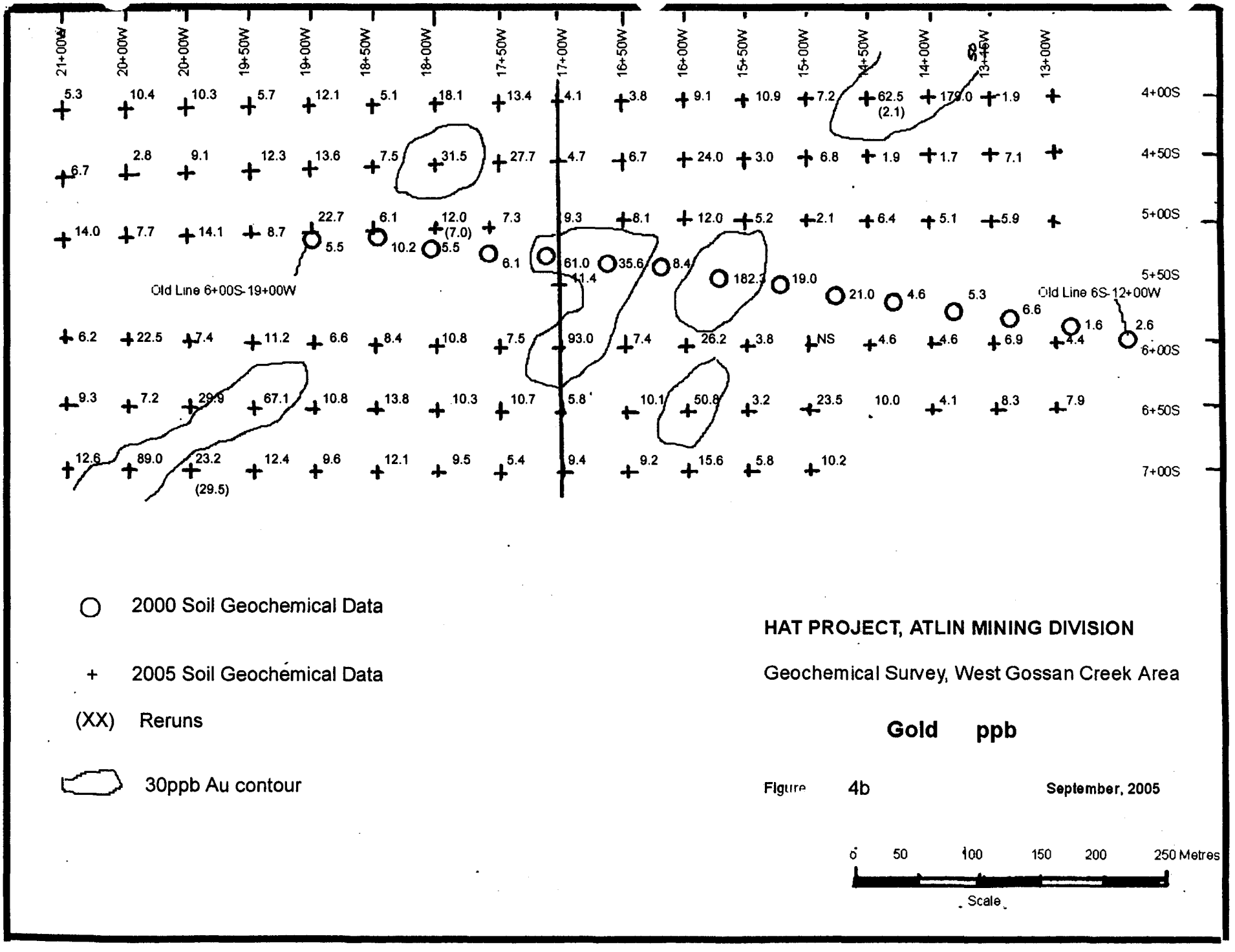
Geochemical Survey, West Gossan Creek Area

Copper ppm

Figure 4a **September, 2005**

0 50 100 150 200 250 Metres

Scale



○ 2000 Soil Geochemical Data

\+ 2005 Soil Geochemical Data

(XX) Reruns

30ppb Au contour

HAT PROJECT, ATLIN MINING DIVISION

Geochemical Survey, West Gossan Creek Area

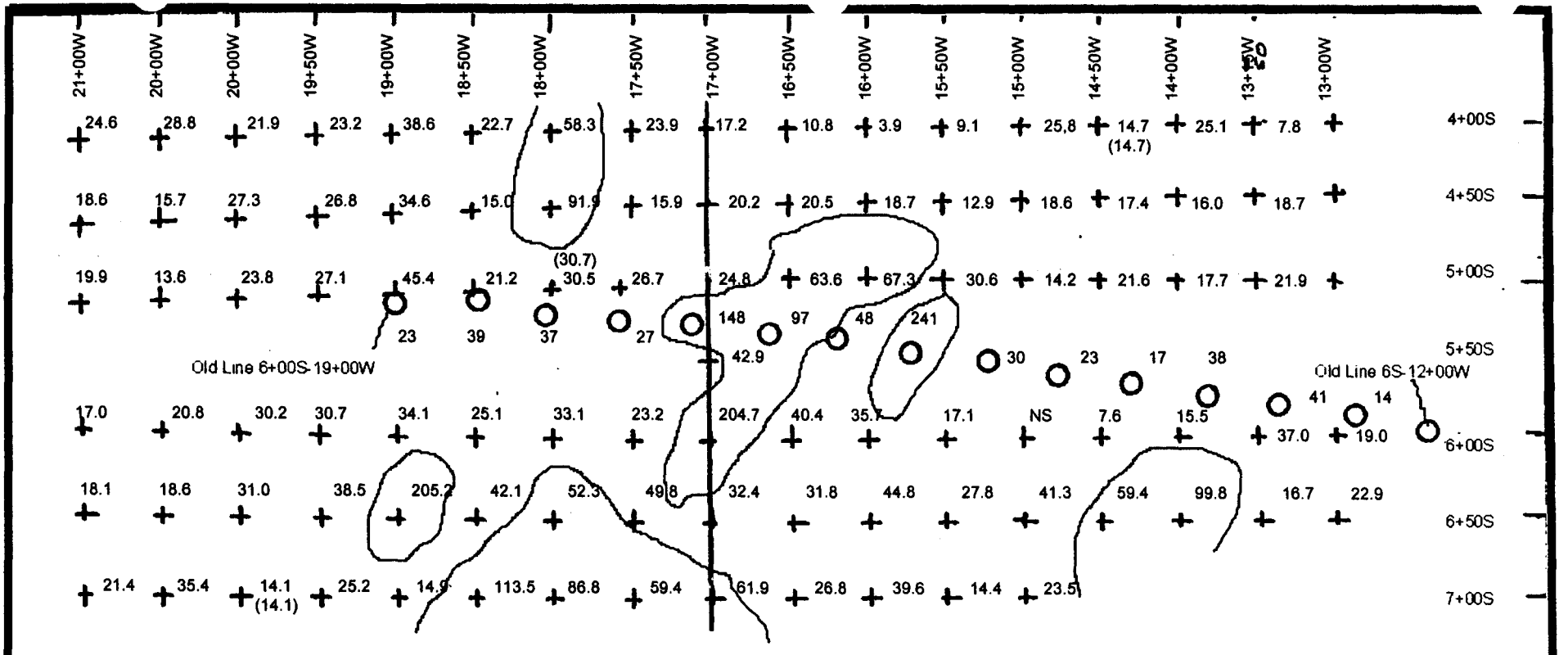
Gold ppb

Figure 4b

September, 2005

0 50 100 150 200 250 Metres

Scale



○ **Geochemical Data, 2000**

\+ **2005 Geochemical Data**

○

(XX) Sample Reruns

50 ppm As contour

HAT PROJECT, ATLIN MINING DIVISION

Geochemical Survey, West Gossan Creek Area

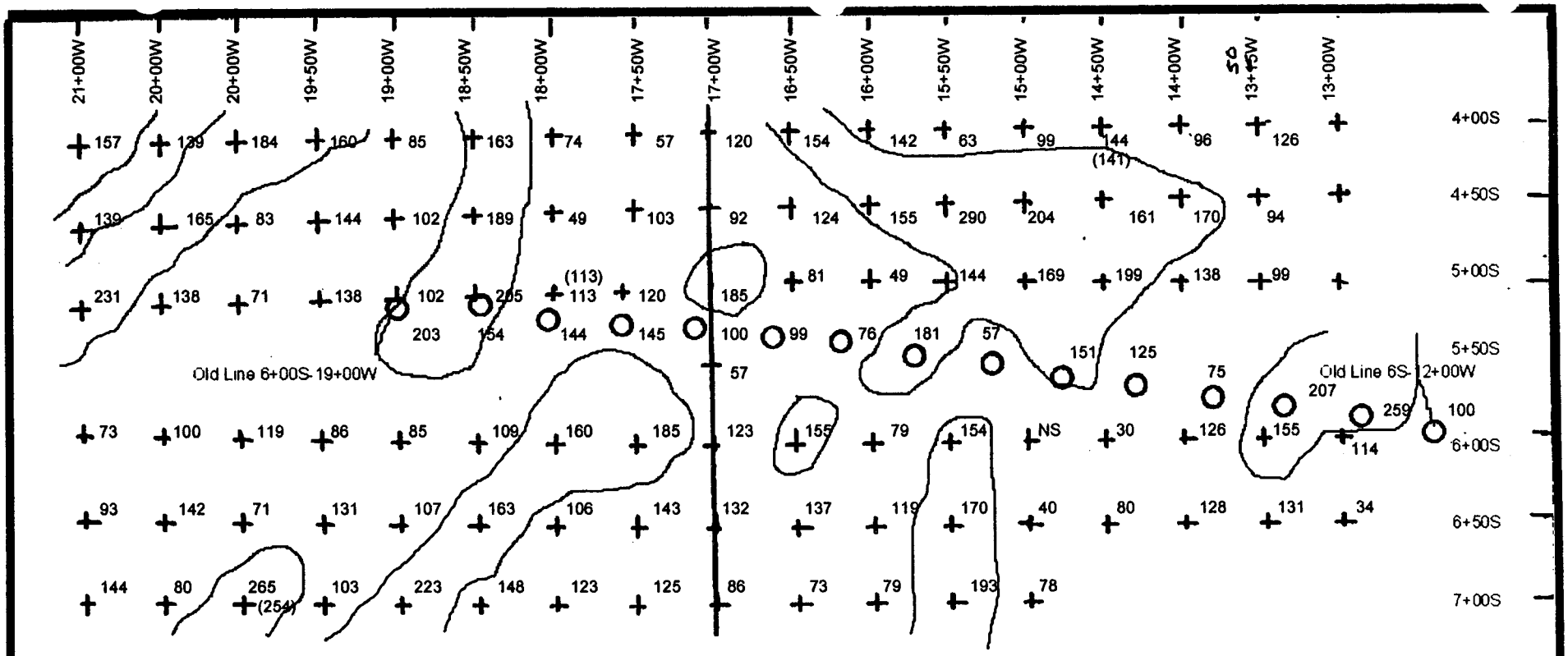
Arsenic PPM

Figure 4c

September, 2005

0 50 100 150 200 250 Metres

Scale



○ **Geochemical Data, 2000**

\+ **2005 Geochemical Data**

(XX) Reruns

150 ppm Ba contour

HAT PROJECT, ATLIN MINING DIVISION

Geochemical Survey, West Gossan Creek Area

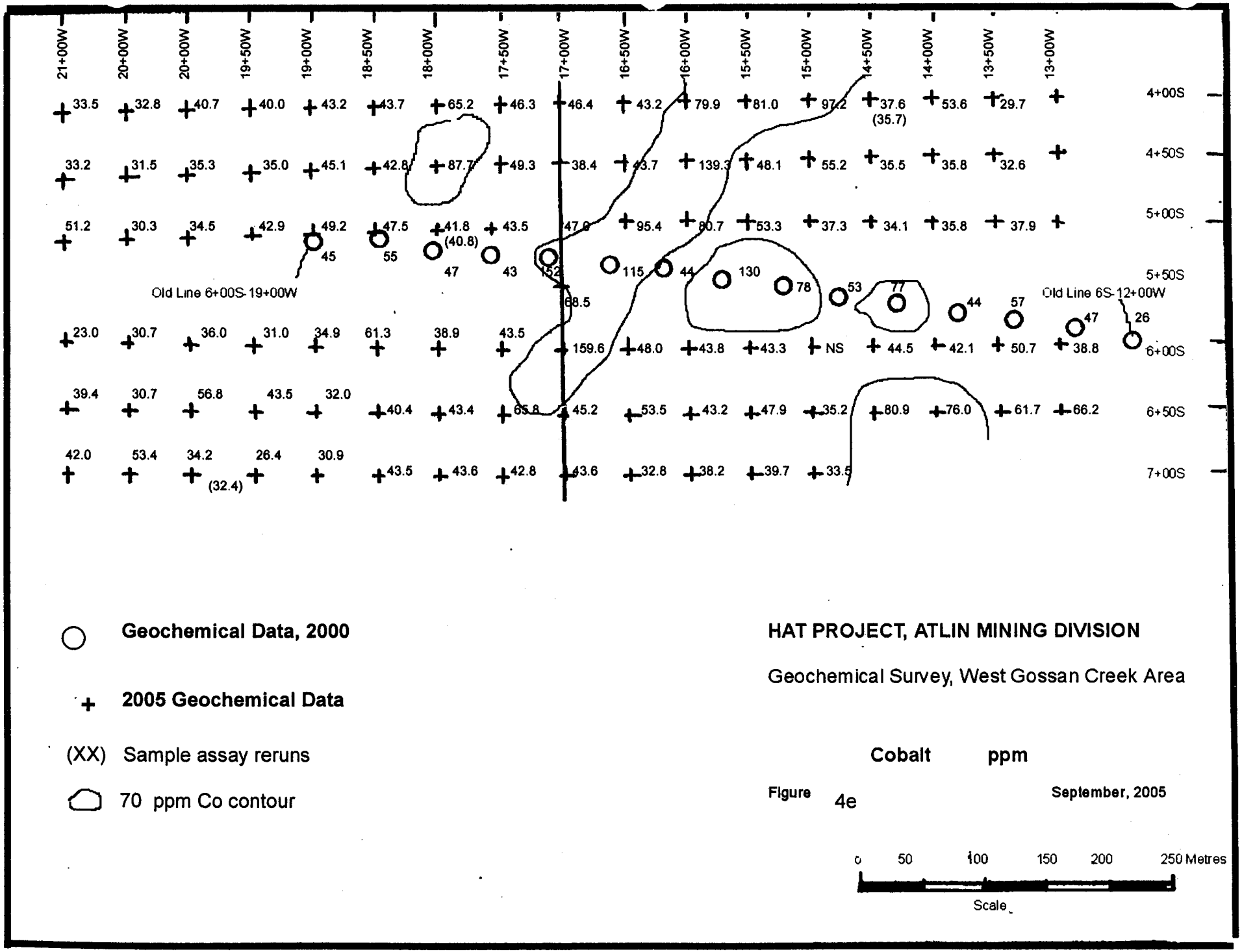
Barium ppm

Figure 4d

September, 2005

0 50 100 150 200 250 Metres

Scale



○ **Geochemical Data, 2000**

\+ **2005 Geochemical Data**

(XX) Sample assay reruns

70 ppm Co contour

HAT PROJECT, ATLIN MINING DIVISION

Geochemical Survey, West Gossan Creek Area

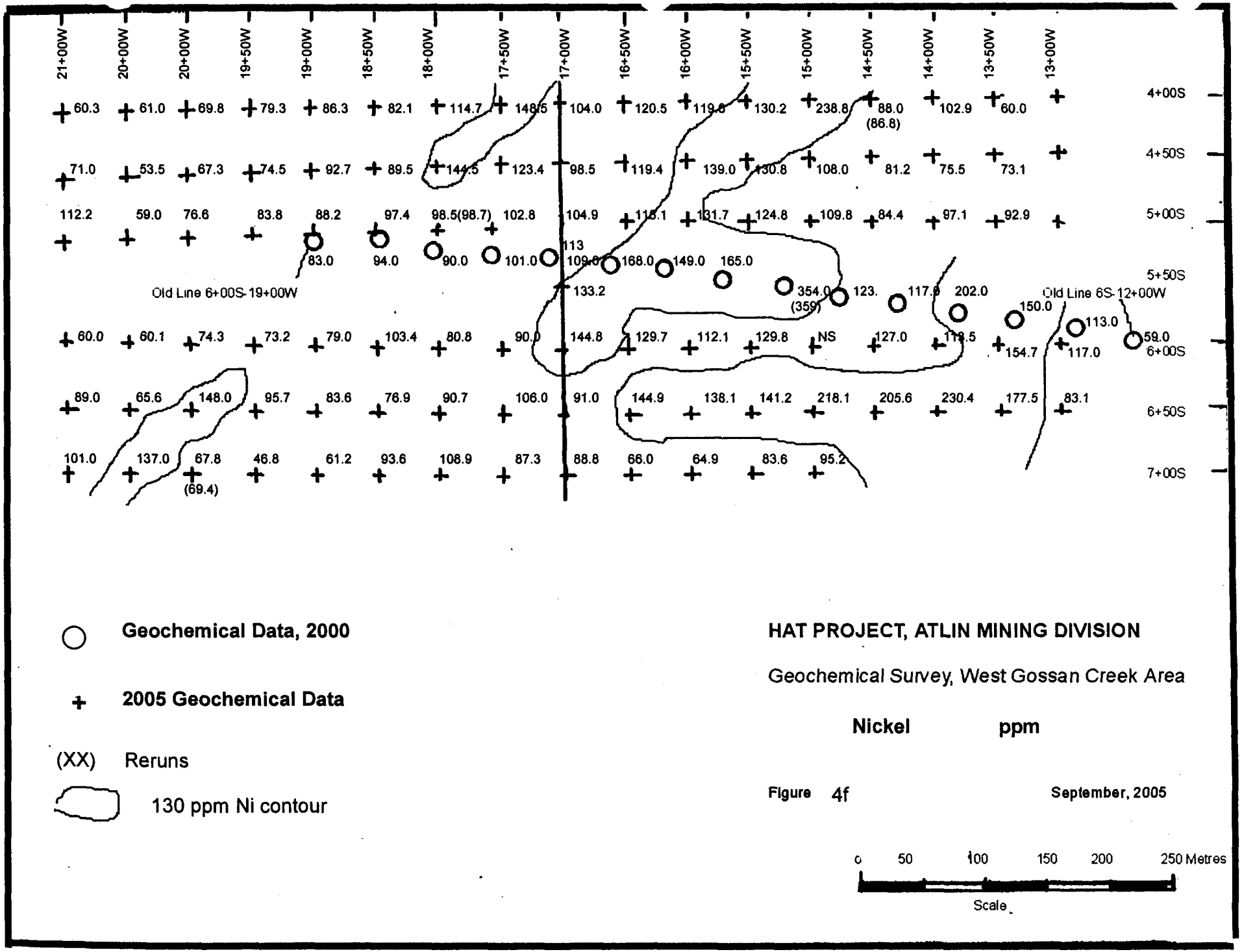
Cobalt ppm

Figure 4e

September, 2005

0 50 100 150 200 250 Metres

Scale



○ **Geochemical Data, 2000**

\+ **2005 Geochemical Data**

(XX) Reruns

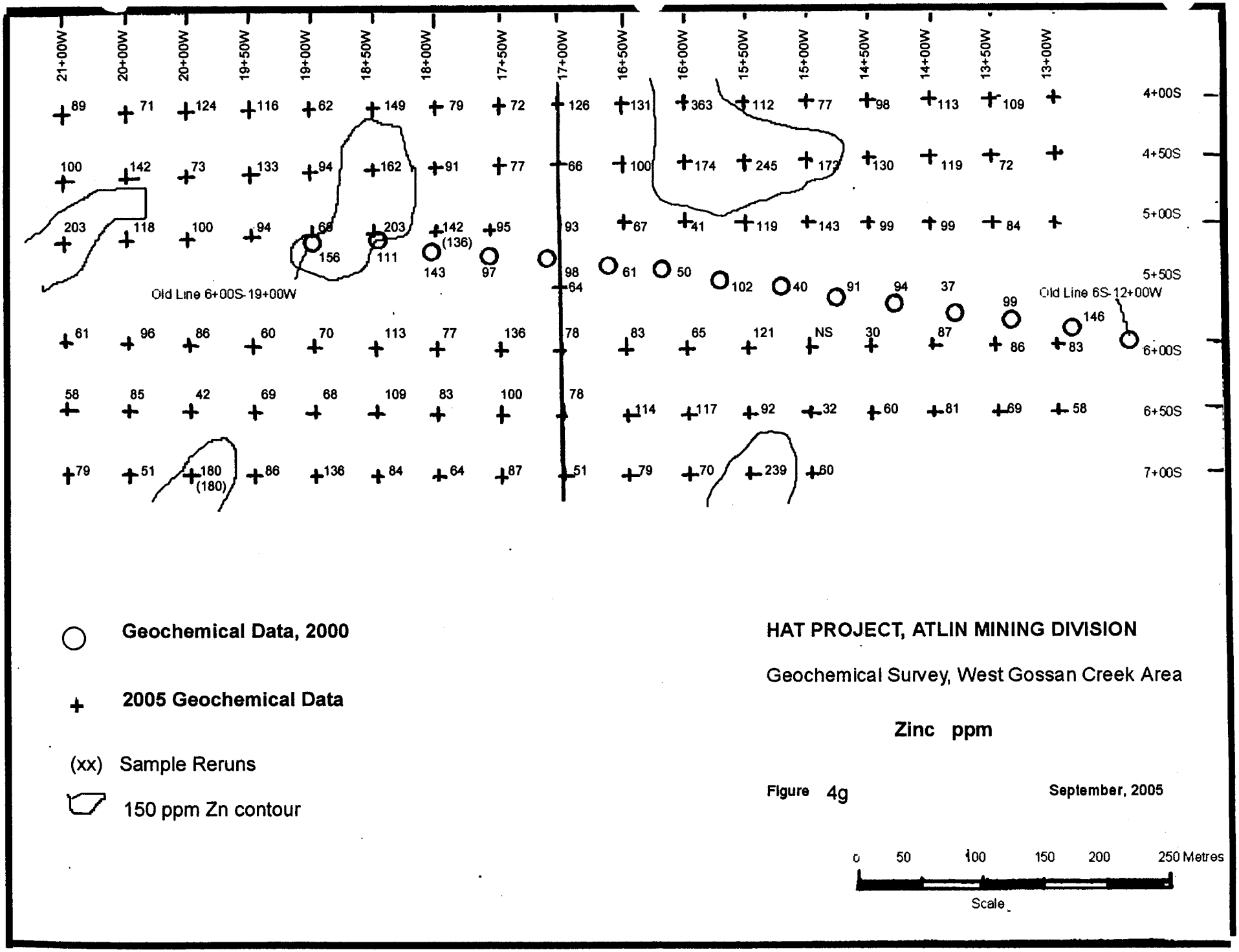
130 ppm Ni contour

HAT PROJECT, ATLIN MINING DIVISION

Geochemical Survey, West Gossan Creek Area

Nickel ppm

Figure 4f **September, 2005**



○ **Geochemical Data, 2000**

\+ **2005 Geochemical Data**

(xx) Sample Reruns

150 ppm Zn contour

HAT PROJECT, ATLIN MINING DIVISION

Geochemical Survey, West Gossan Creek Area

Zinc ppm

Figure 4g **September, 2005**

0 50 100 150 200 250 Metres

Scale

APPENDIX 1 CERTIFICATION

This report was prepared by T.E. Lisle, P. Eng., and E.A. Ostensoe, P.Geo., and is based in part on the work carried out by the authors in 1995, 1996, 2001 and 2005, and in part on background data as described in the section of References.

Thomas E. Lisle, P. Eng. certifies that:

1) He is a qualified consulting geologist with residence in North Vancouver, British Columbia.
2) He is a graduate in geology of the University of British Columbia, and is a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia. He is also a member in good standing of the Geological Association of Canada.
3) He has worked in the mineral exploration sector of the mining industry for more than forty years in western and northern Canada, the United States and Mexico.
4) He, in cooperation with Erik Ostensoe, P. Geo., completed the field work that is the basis for the accompanying report , and he is the principal author of that report.

Erik A. Ostensoe, P. Geo. certifies that:

1) He is qualified consulting geologist with residence in the city of Vancouver, British Columbia,
2) He is a graduate in Honours Geology of the University of British Columbia, and has studied at Queens University, Kingston, Ontario and is a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia.
3) He has worked in the mineral exploration sector of the mining industry for more than thirty-five years.
4) He, in cooperation with T.E. Lisle, P. Eng. completed the field work that is the basis of the accompanying report and collaborated in the preparation of the report.

APPENDIX 2

SOIL GEOCHEMISTRY ANALYTIC DATA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Ostensoe, Erik File # A505301 Page 1

4306 West 3rd Ave, Vancouver BC V6R 1M7 Submitted by: Erik Ostensoe

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
4+00S 21+00W	1.3	151.7	4.9	89	.2	60.3	33.5	1146	4.83	24.6	.4	5.3	1.4	30	.2	.3	.1	112	.74	.104	10	80.3	.85	157	.122	5	2.10	.014	.37	<.1	.02	10.3	.1	<.05	7	.6
4+00S 20+50W	.9	172.1	5.0	71	.1	61.0	32.8	944	4.65	28.8	.4	10.4	1.6	32	.1	.3	.1	114	.78	.072	10	82.0	.93	139	.115	6	2.04	.016	.45	<.1	.02	11.2	.1	<.05	7	.5
4+00S 20+00W	1.4	169.6	6.2	124	.2	69.8	40.7	1274	5.31	21.9	.4	10.3	1.6	26	.3	.3	.1	115	.72	.128	9	102.4	.99	184	.141	6	2.43	.015	.42	<.1	.01	10.3	.1	<.05	8	.5
4+00S 19+50W	1.2	165.8	6.4	116	.2	79.3	40.0	1091	5.30	23.2	.4	5.7	1.6	29	.2	.3	.1	130	.83	.132	10	127.6	1.14	160	.129	6	2.54	.015	.45	.1	.02	12.1	.1	<.05	8	.6
4+00S 19+00W	1.3	263.7	5.9	62	.2	86.3	43.2	842	5.27	38.6	.5	12.1	1.3	27	.1	.4	.2	128	.84	.120	10	125.4	1.11	85	.083	5	2.12	.013	.27	<.1	.06	12.8	.1	<.05	7	.7
4+00S 18+50W	1.2	161.3	6.6	149	.3	82.1	43.7	1133	5.24	22.7	.3	5.1	1.3	25	.3	.3	.2	111	.77	.115	9	121.9	.96	163	.113	5	2.39	.014	.44	<.1	.02	10.7	.1	<.05	8	.6
4+00S 18+00W	1.3	494.5	7.4	79	.2	114.7	65.2	885	5.79	58.3	.4	18.1	1.1	25	.2	.3	.2	129	.94	.073	10	164.0	1.37	74	.106	5	2.48	.015	.54	<.1	.01	13.3	.2	<.05	8	.6
4+00S 17+50W	1.7	432.7	7.1	72	.2	148.5	46.3	842	6.04	23.9	.2	13.4	1.1	19	.1	.2	.1	131	1.02	.104	8	231.9	1.80	57	.124	6	2.98	.014	.38	<.1	.02	15.4	.1	<.05	9	.7
4+00S 17+00W	2.8	176.6	6.1	126	.2	104.0	46.4	1355	5.71	17.2	.4	4.1	1.4	31	.3	.3	.1	130	.91	.073	10	143.9	1.18	120	.140	12	2.77	.015	.67	<.1	.01	13.5	.1	<.05	9	.6
4+00S 16+50W	1.1	288.0	6.9	131	.1	120.5	43.2	1165	5.44	10.8	.3	3.8	1.4	29	.3	.2	.1	117	1.07	.187	9	159.8	1.39	154	.140	9	2.61	.013	.78	<.1	.02	11.7	.1	<.05	8	.5
4+00S 16+00W	.9	501.2	4.0	363	.2	119.6	79.9	1346	5.13	3.9	.3	9.1	.6	36	.7	.2	.1	85	1.49	.295	6	121.3	1.24	142	.118	8	2.33	.012	.29	<.1	.03	5.5	.1	.06	7	.9
4+00S 15+50W	.7	695.1	3.4	112	.3	130.2	81.0	1031	5.21	9.1	.4	10.9	.6	31	.3	.2	.2	98	1.67	.149	7	132.7	1.32	63	.101	9	2.19	.011	.59	<.1	.02	7.3	.2	.06	7	1.0
4+00S 15+00W	3.3	803.4	2.8	77	.2	238.8	97.2	950	7.50	25.8	.3	7.2	.9	20	.1	.2	.2	147	1.01	.117	8	268.7	2.58	99	.229	5	3.22	.013	1.21	<.1	.02	8.6	.4	<.05	11	.7
4+00S 14+50W	.7	109.9	6.7	98	.2	88.0	37.6	1153	5.70	14.7	.5	62.5	1.5	27	.2	.3	.1	146	.74	.077	10	143.4	1.28	144	.167	3	2.87	.013	.42	<.1	.01	12.3	.1	<.05	9	.6
RE 4+00S 14+50W	.7	107.8	6.4	96	.2	86.8	35.7	1135	5.52	14.7	.5	2.1	1.4	27	.1	.3	.1	139	.72	.070	10	136.0	1.23	141	.160	3	2.70	.012	.40	<.1	.01	12.2	.1	<.05	9	<.5
4+00S 14+00W	5.5	791.4	6.7	113	1.9	102.9	53.6	1037	6.52	25.1	.5	179.0	1.3	29	.2	.3	.3	136	.77	.099	10	147.9	1.24	96	.149	3	2.61	.014	.43	<.1	.03	12.9	.2	<.05	8	2.6
4+00S 13+50W	1.2	72.7	6.6	109	.4	60.0	29.7	1387	5.20	7.8	.3	1.9	1.2	27	.2	.2	.1	116	.79	.067	7	102.4	.87	126	.137	5	2.50	.012	.37	<.1	.01	9.0	.1	<.05	8	<.5
4+50S 21+00W	1.2	125.7	4.9	100	.2	71.0	33.2	1076	4.99	18.6	.4	6.7	1.4	28	.2	.2	.1	118	.75	.134	9	97.4	1.02	139	.150	4	2.37	.016	.34	<.1	.02	9.9	.1	<.05	7	.6
4+50S 20+50W	1.2	72.6	5.2	142	.2	53.5	31.5	1204	4.39	15.7	.3	2.8	1.2	21	.2	.2	.1	102	.54	.135	7	75.3	.77	165	.137	4	1.98	.014	.21	.1	.01	6.6	.1	<.05	7	.5
4+50S 20+00W	1.0	205.1	4.9	73	.2	67.3	35.3	859	4.80	27.3	.3	9.1	1.4	27	.1	.3	.1	123	.71	.069	9	93.9	.91	83	.127	5	2.14	.014	.39	.1	.02	10.3	.1	<.05	7	.6
4+50S 19+50W	1.3	140.6	5.3	133	.3	74.5	35.0	1131	5.74	26.8	.4	12.3	1.5	28	.3	.3	.1	124	.79	.178	10	109.9	.92	144	.139	5	2.39	.015	.36	<.1	.03	11.5	.1	<.05	8	.6
4+50S 19+00W	1.6	211.6	5.8	94	.2	92.7	45.1	1060	5.73	34.6	.4	13.6	1.6	34	.1	.4	.1	130	.90	.109	12	122.9	1.28	102	.161	6	2.46	.022	.32	.1	.03	12.6	.2	<.05	8	.8
4+50S 18+50W	1.1	124.2	7.8	162	.3	89.5	42.8	1338	5.86	15.0	.3	7.5	1.6	27	.5	.2	.2	119	.83	.168	11	126.3	1.13	189	.145	7	2.71	.017	.58	<.1	.01	11.5	.1	<.05	9	<.5
4+50S 18+00W	2.0	714.9	13.7	91	.5	144.5	87.7	765	6.85	91.9	.4	31.5	1.1	22	.2	.4	.3	131	.94	.047	9	235.4	1.72	49	.146	7	2.82	.016	.55	<.1	.02	14.1	.3	<.05	8	.8
4+50S 17+50W	2.0	333.5	7.2	77	.3	123.4	49.3	666	6.53	15.9	.3	27.7	1.1	22	.1	.2	.1	133	.83	.188	6	197.4	1.71	103	.167	3	3.05	.013	.46	<.1	.02	9.8	.2	<.05	9	.7
4+50S 17+00W	.8	149.9	4.5	66	.1	98.5	38.4	932	5.00	20.2	.5	4.7	1.3	25	.1	.4	.1	128	.97	.096	10	148.6	1.21	92	.141	5	2.68	.015	.34	<.1	.03	13.3	.1	<.05	8	<.5
4+50S 16+50W	1.3	230.6	4.8	100	.2	119.4	43.7	979	5.22	20.5	.3	6.7	1.2	23	.2	.3	.1	121	.78	.121	9	130.6	1.44	124	.151	4	2.69	.016	.44	<.1	.02	10.9	.2	<.05	8	<.5
4+50S 16+00W	5.9	411.0	5.7	174	.2	139.0	139.3	1611	6.44	18.7	.5	24.0	1.0	34	.3	.3	.1	129	.99	.178	9	152.8	1.33	155	.131	4	3.37	.016	.44	<.1	.02	12.2	.2	<.05	10	.9
4+50S 15+50W	1.2	208.9	7.6	245	.2	130.8	48.1	1567	4.98	12.9	.3	3.0	1.0	64	1.0	.2	.2	95	2.33	.417	10	129.4	1.07	290	.094	19	2.46	.014	.77	<.1	.02	10.0	.1	<.05	8	.6
4+50S 15+00W	1.0	178.5	8.8	173	.2	108.0	55.2	1428	6.32	18.6	.6	6.8	1.5	36	.4	.3	.1	141	.94	.167	11	136.8	1.32	204	.168	5	2.93	.015	.65	<.1	.03	12.2	.2	.07	9	.6
4+50S 14+50W	.9	99.7	6.0	130	.1	81.2	35.9	1235	5.58	17.4	.5	1.9	1.4	31	.2	.3	.1	139	.79	.082	10	134.4	1.15	161	.169	4	2.90	.015	.39	.1	.02	12.1	.1	<.05	9	.5
4+50S 14+00W	.8	102.9	5.7	119	.1	75.5	35.8	1257	5.38	16.0	.5	1.7	1.5	32	.2	.3	.1	135	.77	.138	10	116.8	1.09	170	.150	4	2.52	.015	.36	<.1	.02	12.1	.1	<.05	8	<.5
4+50S 13+50W	1.0	80.6	7.0	72	.2	73.1	32.6	1128	5.26	18.7	.3	7.1	1.6	30	.1	.2	.1	133	.93	.090	9	109.6	1.09	94	.140	6	2.64	.015	.34	<.1	.02	11.6	.1	<.05	8	.6
5+00S 21+00W	2.0	217.0	9.8	203	.3	112.2	51.2	2045	8.36	19.9	.5	14.0	2.7	46	.4	.3	.2	176	1.24	.271	15	136.3	1.37	231	.196	8	3.60	.026	.61	.1	.03	13.9	.1	<.05	12	.6
STANDARD DS6	11.7	125.2	29.1	144	.3	25.3	10.8	705	2.86	21.1	6.6	48.8	3.0	40	6.3	3.4	5.0	56	.87	.081	14	188.7	.59	165	.081	18	1.95	.073	.16	3.5	.23	3.3	1.8	<.05	6	4.4

GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data f FA ____ DATE RECEIVED: SEP 2 2005 DATE REPORT MAILED: Sept 20/05

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
5+00S 20+50W	.9	133.6	6.1	118	.2	59.0	30.3	978	5.05	13.6	.4	7.7	1.8	29	.2	.3	.1	130	.74	.139	9	85.0	.94	138	.161	6	2.44	.015	.42	.1	.01	9.4	.1	<.05	8	<.5
5+00S 20+00W	1.4	335.9	6.9	100	.3	76.6	34.5	844	5.81	23.8	.5	14.1	2.3	33	.2	.3	.1	126	.76	.129	16	86.7	.96	71	.280	5	2.48	.028	.35	.1	.03	9.1	.1	<.05	10	<.5
5+00S 19+50W	1.3	199.7	4.7	94	.2	83.8	42.9	1204	5.90	27.1	.4	8.7	1.6	31	.2	.3	.2	119	.98	.144	10	125.1	1.07	138	.110	8	2.55	.015	.49	.1	.03	13.4	.1	<.05	8	.5
5+00S 19+00W	1.5	232.8	4.7	69	.2	88.2	49.2	993	6.30	45.4	.5	22.7	1.8	27	.1	.4	.2	131	.83	.122	12	122.9	1.12	102	.145	4	2.49	.015	.33	.1	.03	13.5	.2	<.05	8	.7
5+00S 18+50W	1.3	180.1	5.8	203	.5	97.4	47.5	1441	5.68	21.2	.4	6.1	1.5	35	.4	.3	.2	114	1.00	.170	10	120.1	1.02	205	.142	7	2.55	.016	.40	.1	.02	10.4	.1	<.05	8	<.5
5+00S 18+00W	1.5	162.8	7.8	142	.4	98.5	41.8	1113	6.06	30.5	.3	7.0	1.9	28	.3	.3	.1	138	.82	.089	12	127.9	1.02	113	.191	7	2.64	.017	.53	<.1	.02	13.0	.2	<.05	9	.6
RE 5+00S 18+00W	1.5	158.9	7.8	136	.4	98.7	40.8	1129	6.08	30.7	.4	12.0	1.8	28	.3	.4	.1	135	.80	.089	12	127.9	1.02	113	.189	6	2.65	.016	.50	<.1	.02	12.1	.2	<.05	9	.5
5+00S 17+50W	.9	237.2	7.9	95	.1	102.8	43.5	1194	5.47	26.7	.4	7.3	1.5	40	.2	.4	.1	122	1.14	.098	11	123.3	1.18	120	.108	5	2.32	.015	.55	.1	.03	12.7	.1	<.05	8	.6
5+00S 17+00W	.8	208.8	6.2	93	.1	104.9	47.0	1223	5.69	24.8	.5	9.3	1.4	33	.2	.3	.1	131	1.04	.115	11	151.4	1.19	185	.135	5	2.79	.014	.69	<.1	.01	13.1	.2	<.05	8	<.5
5+00S 16+50W	2.4	519.4	3.3	67	.2	118.1	95.4	1177	7.92	63.6	.6	8.1	1.1	37	.1	.6	.2	150	1.34	.059	10	189.0	1.51	81	.077	4	2.69	.009	.57	<.1	.02	20.3	.2	<.05	9	.6
5+00S 16+00W	2.4	530.7	2.3	41	.2	131.7	80.7	832	7.51	67.3	.7	12.0	1.2	28	.1	.3	.1	123	1.06	.050	15	154.9	.99	49	.045	2	1.95	.007	.22	<.1	.04	20.6	.2	<.05	7	.8
5+00S 15+50W	1.5	233.1	5.4	119	.3	124.8	53.3	1322	6.81	30.6	.4	5.2	1.6	23	.2	.3	.2	137	.73	.058	13	155.9	1.09	144	.167	4	2.91	.013	.68	<.1	.02	14.5	.2	<.05	10	<.5
5+00S 15+00W	.9	93.5	6.5	143	.3	109.8	37.3	1383	5.49	14.2	.5	2.1	1.5	34	.2	.3	.1	117	.84	.227	10	91.9	1.01	169	.139	3	2.66	.011	.20	.1	.02	8.4	.1	<.05	9	<.5
5+00S 14+50W	.9	129.4	6.4	99	.1	84.4	34.1	1200	5.76	21.6	.5	6.4	1.7	35	.2	.3	.1	139	.94	.086	11	129.1	1.13	199	.140	4	2.74	.013	.34	.1	.04	15.4	.1	<.05	9	<.5
5+00S 14+00W	.8	167.0	5.4	99	.1	97.1	35.8	1068	5.48	17.7	.5	5.1	1.6	32	.2	.3	.1	132	.85	.106	11	138.5	1.13	138	.145	5	2.78	.017	.51	.1	.02	13.1	.1	<.05	9	.5
5+00S 13+50W	.9	156.8	6.7	84	.1	92.9	37.9	1058	6.07	21.9	.6	5.9	1.7	37	.2	.4	.1	145	.88	.153	11	136.3	1.18	99	.128	3	2.88	.012	.28	<.1	.03	15.3	.1	<.05	9	.6
5+50S 17+00W	2.5	589.1	4.3	64	.3	133.2	68.5	853	6.75	42.9	.3	11.4	1.0	24	.1	.3	.2	127	1.18	.076	8	269.4	1.76	57	.112	8	2.76	.012	.60	<.1	.02	19.7	.1	<.05	8	.5
6+00S 21+00W	1.1	97.3	4.3	61	.1	60.0	23.0	731	4.54	17.0	.3	6.2	1.7	23	.1	.3	.1	119	.58	.053	8	79.3	.84	73	.145	3	1.97	.014	.25	.1	.03	9.1	.1	<.05	6	<.5
6+00S 20+50W	1.2	106.9	4.5	96	.2	60.1	30.7	815	5.12	20.8	.3	22.5	1.7	24	.2	.3	.1	111	.73	.130	9	89.3	.78	100	.158	5	2.07	.014	.38	<.1	.03	10.0	.1	<.05	8	<.5
6+00S 20+00W	1.4	168.6	4.8	86	.2	74.3	36.0	961	5.96	30.2	.3	7.4	1.8	32	.1	.3	.1	126	.77	.145	11	106.6	.91	119	.168	5	2.41	.018	.40	.1	.04	11.8	.1	<.05	8	.5
6+00S 19+50W	1.6	120.3	3.8	60	.1	73.2	31.0	644	5.59	30.7	.3	11.2	1.8	28	.1	.3	.1	124	.86	.124	9	108.5	.98	86	.202	5	2.28	.020	.29	.1	.03	9.8	.1	<.05	8	.6
6+00S 19+00W	1.5	157.6	4.1	70	.2	79.0	34.9	828	5.59	34.1	.4	6.6	1.4	30	.1	.4	.1	126	.88	.102	9	117.5	1.00	85	.117	4	2.37	.015	.33	.1	.03	13.2	.2	<.05	8	.6
6+00S 18+50W	.9	309.1	3.7	113	.2	103.4	61.3	1124	5.97	25.1	.3	8.4	1.2	46	.2	.3	.2	111	1.42	.263	10	113.4	1.16	109	.091	10	2.20	.018	.55	<.1	.01	11.0	.2	<.05	7	<.5
6+00S 18+00W	1.6	191.9	4.4	77	.2	80.8	38.9	1203	5.80	33.1	.3	10.8	1.3	35	.2	.3	.1	119	1.09	.143	10	122.5	.96	160	.104	6	2.07	.016	.40	<.1	.05	13.0	.1	<.05	7	.6
6+00S 17+50W	1.1	180.1	4.9	136	.2	90.0	43.5	1173	6.01	23.2	.5	7.5	1.6	32	.2	.3	.1	123	.97	.162	12	126.1	1.10	185	.151	7	2.67	.017	.56	.1	.02	12.5	.1	<.05	9	<.5
6+00S 17+00W	5.4	1794.8	3.0	78	.7	144.8	159.6	1140	8.45	204.7	.6	93.0	1.3	29	.1	.5	.7	132	.97	.125	16	214.3	1.54	123	.107	6	2.77	.020	.67	.1	.02	16.2	.5	<.05	10	.7
6+00S 16+50W	1.3	240.5	3.7	83	.2	129.7	48.0	1287	6.63	40.4	.4	7.4	1.4	32	.1	.3	.2	129	.96	.098	11	174.6	1.29	155	.108	5	2.67	.017	.58	<.1	.02	15.9	.2	<.05	9	.5
6+00S 16+00W	1.3	217.6	3.8	65	.1	112.1	43.8	1044	6.46	35.7	.6	26.2	1.4	32	.1	.4	.2	126	.90	.061	12	161.3	1.34	79	.144	4	2.75	.017	.31	.1	.03	13.7	.2	<.05	8	.6
6+00S 15+50W	.7	213.8	3.7	121	.2	129.8	43.3	1208	5.70	17.1	.4	3.8	1.2	37	.3	.3	.1	107	1.33	.175	10	144.6	1.32	154	.138	11	2.56	.019	.71	<.1	.03	11.2	.2	<.05	8	<.5
6+00S 14+50W	.4	161.2	.7	30	.2	127.0	44.5	754	6.09	7.6	.4	4.6	.8	35	.1	.2	.1	102	1.81	.087	7	235.4	1.46	30	.069	7	1.95	.006	.24	<.1	.07	20.8	.2	<.05	7	.8
6+00S 14+00W	.7	141.2	4.3	87	.1	113.5	42.1	1349	5.72	15.5	.4	4.6	1.3	29	.2	.4	.1	118	1.11	.127	9	183.6	1.15	126	.095	6	2.35	.011	.63	<.1	.02	14.5	.1	<.05	8	.5
6+00S 13+50W	1.2	193.6	4.3	86	.1	154.7	50.7	1379	6.68	37.0	.5	6.9	1.4	37	.2	.3	.1	129	1.13	.078	10	184.5	1.32	155	.129	7	2.87	.017	.68	.1	.01	14.9	.2	<.05	8	.6
6+00S 13+00W	.7	234.7	4.4	83	.1	117.0	38.8	956	5.55	19.0	.5	4.4	1.4	41	.2	.4	.1	134	.99	.095	12	162.1	1.59	114	.140	5	3.25	.021	.53	<.1	.02	15.3	.1	<.05	9	<.5
6+50S 21+00W	1.4	228.4	3.2	58	.1	89.0	39.4	803	5.50	18.1	.3	9.3	1.1	29	.2	.3	.1	113	.88	.147	9	119.4	1.04	93	.105	6	2.25	.014	.48	<.1	.03	11.4	.1	<.05	7	.5
STANDARD DS6	11.7	125.9	29.7	145	.3	25.1	10.9	717	2.90	21.5	6.8	48.1	3.0	40	6.4	3.4	5.0	56	.87	.082	13	187.2	.59	165	.081	18	1.97	.073	.15	3.6	.23	3.3	1.8	<.05	6	4.5

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ___ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
6+50S 20+50W	1.2	160.6	4.5	85	.1	65.6	30.7	962	5.03	18.6	.3	7.2	1.5	34	.2	.3	.1	112	.95	.140	9	88.6	.90	142	.120	7	2.12	.017	.42	.1	.03	10.3	.1	<.05	6	<.5
6+50S 20+00W	1.6	511.5	3.4	42	.1	148.0	56.8	1044	5.87	31.0	.4	29.9	1.2	42	.1	.5	.2	112	1.43	.129	10	132.9	1.71	71	.101	4	2.17	.026	.34	<.1	.09	11.4	.3	<.05	6	.8
6+50S 19+50W	1.0	268.2	4.4	69	.1	95.7	43.5	1219	5.97	38.5	.4	67.1	1.4	41	.2	.4	.2	136	1.11	.110	11	124.4	1.16	131	.109	5	2.40	.020	.57	<.1	.04	13.7	.2	<.05	7	.6
6+50S 19+00W	1.7	191.6	3.9	68	.1	83.6	32.0	913	6.06	205.2	.3	10.8	1.6	33	.2	.5	.1	121	1.27	.152	11	100.4	.86	107	.135	9	2.10	.017	.32	.1	.15	14.0	.3	<.05	7	.8
6+50S 18+50W	1.3	159.7	4.7	109	.2	76.9	40.4	1315	6.61	42.1	.5	13.8	1.7	29	.2	.4	.1	136	.89	.157	12	118.4	.94	163	.144	5	2.55	.017	.43	<.1	.06	14.2	.1	<.05	8	.5
6+50S 18+00W	1.4	212.9	3.9	83	.2	90.7	43.4	926	6.63	52.3	.4	10.3	1.7	26	.1	.4	.2	148	.79	.050	13	146.4	1.06	106	.148	4	2.59	.023	.61	<.1	.04	15.9	.2	<.05	8	.6
6+50S 17+50W	2.3	306.1	4.1	100	.4	106.0	65.8	1218	6.97	49.8	.4	10.7	1.4	25	.2	.4	.3	138	.88	.087	10	176.2	1.25	143	.162	6	2.81	.025	.54	<.1	.02	12.4	.2	<.05	8	.5
6+50S 17+00W	2.3	164.9	4.5	78	.4	91.0	45.2	1285	6.23	32.4	.4	5.8	1.5	29	.1	.3	.2	141	.90	.065	11	137.5	1.03	132	.135	7	2.69	.017	.49	<.1	.03	13.7	.1	<.05	9	.5
6+50S 16+50W	1.3	269.8	3.0	114	.2	144.9	53.5	1279	6.83	31.8	.5	10.1	1.4	35	.2	.4	.2	137	1.11	.191	11	206.1	1.57	137	.129	6	3.16	.029	.62	<.1	.04	14.5	.2	<.05	8	<.5
6+50S 16+00W	1.0	685.5	2.7	117	.3	138.1	43.2	1029	6.81	44.8	.4	50.8	1.3	38	.1	.4	.2	130	1.22	.079	10	203.7	1.32	119	.114	7	2.76	.018	.65	<.1	.03	16.7	.3	<.05	8	.6
6+50S 15+50W	.9	208.5	3.1	92	.2	141.2	47.9	1323	6.83	27.8	.4	3.2	1.0	43	.1	.4	.3	128	1.39	.089	9	213.2	1.41	170	.102	8	2.82	.016	.88	<.1	.06	15.4	.2	<.05	8	<.5
6+50S 15+00W	1.6	562.8	.9	32	.5	218.1	35.2	1031	9.02	41.3	.3	23.5	.9	31	.1	.6	.5	146	1.55	.086	8	332.1	2.51	40	.122	5	2.79	.040	.21	.1	.04	15.2	.3	<.05	8	.7
6+50S 14+50W	.7	329.2	2.4	60	.1	205.6	80.9	1252	6.85	59.4	.2	10.0	.8	36	.1	.9	.1	140	3.32	.098	7	267.5	2.49	80	.081	8	2.78	.026	.43	<.1	.04	18.4	.3	<.05	8	.7
6+50S 14+00W	.9	299.9	2.1	81	.1	230.4	76.0	1420	7.31	99.8	.2	4.1	.9	28	.1	1.6	.1	149	1.58	.090	7	319.1	2.33	128	.104	8	3.18	.029	.68	<.1	.03	21.2	.3	<.05	9	1.0
6+50S 13+50W	.7	355.2	2.0	69	.1	177.5	61.7	1174	5.58	16.7	.2	8.3	1.0	50	.1	.5	.1	151	2.03	.109	11	256.2	2.21	131	.139	7	3.21	.037	.59	<.1	.02	16.1	.2	<.05	9	.6
6+50S 13+00W	3.8	369.0	2.2	58	.2	83.1	66.2	1280	7.81	22.9	.5	7.9	1.6	43	.1	.4	.2	159	2.62	.113	34	50.7	1.61	34	.015	9	2.88	.008	.18	<.1	.07	18.7	.3	<.05	12	4.3
7+00S 21+00W	1.0	258.2	4.2	79	.1	101.0	42.0	1327	5.44	21.4	.3	12.6	1.3	43	.2	.3	.1	127	1.42	.155	10	146.8	1.42	144	.114	6	2.34	.026	.52	<.1	.05	13.4	.1	<.05	8	<.5
7+00S 20+50W	1.3	325.4	2.2	51	.1	137.0	53.4	1143	6.04	35.4	.3	89.0	.9	61	.1	.4	.1	118	3.08	.124	8	159.3	2.03	80	.082	5	2.24	.021	.36	<.1	.05	13.3	.2	<.05	7	.5
7+00S 20+00W	1.3	107.8	6.1	180	.2	67.8	34.2	1739	5.84	14.1	.4	23.2	1.6	32	.3	.2	.1	116	.96	.277	11	86.5	.83	265	.119	8	2.46	.017	.38	<.1	.02	11.8	.1	<.05	8	<.5
RE 7+00S 20+00W	1.3	108.6	5.9	180	.2	69.4	32.4	1717	5.71	14.1	.3	29.5	1.6	33	.3	.3	.1	118	.98	.272	10	86.1	.84	254	.121	8	2.43	.019	.37	<.1	.03	12.0	.1	<.05	7	<.5
7+00S 19+50W	1.2	113.4	4.6	86	.1	46.8	26.4	871	5.43	25.2	.4	12.4	1.8	32	.1	.4	.1	130	.84	.146	11	78.0	.75	103	.152	5	2.39	.017	.31	<.1	.04	11.3	.1	<.05	8	<.5
7+00S 19+00W	1.0	115.2	5.3	136	.2	61.2	30.9	1251	5.48	14.9	.4	9.6	1.9	35	.2	.3	.1	121	.96	.191	12	81.2	.95	223	.148	7	2.83	.020	.50	<.1	.02	11.7	.1	<.05	9	<.5
7+00S 18+50W	2.3	260.1	3.6	84	.2	93.6	43.5	1425	7.24	113.5	.4	12.1	1.3	30	.1	.6	.2	146	1.16	.115	10	130.2	.90	148	.083	7	2.13	.015	.37	<.1	.27	19.0	.2	<.05	7	.9
7+00S 18+00W	2.3	209.4	3.3	64	.1	108.9	43.6	1638	8.61	86.8	.4	9.5	1.4	22	.1	.5	.1	154	.90	.077	11	146.9	.79	123	.066	5	2.02	.014	.35	<.1	.21	23.6	.2	<.05	7	.6
7+00S 17+50W	1.7	155.9	3.2	87	.2	87.3	42.8	1181	7.81	59.4	.4	5.4	1.4	25	.1	.3	.2	162	.88	.093	11	155.2	.83	125	.089	6	2.56	.014	.50	<.1	.10	20.9	.1	<.05	9	<.5
7+00S 17+00W	1.8	184.7	3.1	51	.1	88.8	43.6	1181	7.45	61.9	.6	9.4	1.3	27	<.1	.5	.2	146	.89	.050	14	115.3	.76	86	.061	4	2.07	.011	.23	<.1	.20	21.2	.2	<.05	7	.9
7+00S 16+50W	.8	173.7	3.2	79	.1	66.0	32.8	903	5.50	26.8	.5	9.2	1.2	35	.1	.4	.1	143	1.07	.103	10	89.3	.92	73	.108	5	2.62	.014	.35	.1	.04	13.8	.2	<.05	8	.7
7+00S 16+00W	1.0	168.9	3.8	70	.2	64.9	38.2	956	6.37	39.6	.5	15.6	1.4	26	.1	.4	.2	148	.89	.052	10	90.4	.89	79	.118	5	2.40	.013	.31	<.1	.07	16.2	.2	<.05	8	.9
7+00S 15+50W	1.3	79.9	6.2	239	.3	83.6	39.7	2336	6.76	14.4	.3	5.8	1.7	26	.4	.3	.2	126	.65	.218	9	94.8	.76	193	.194	5	2.63	.023	.25	.1	.02	7.9	.1	<.05	10	<.5
7+00S 15+00W	.9	238.6	3.1	60	.1	95.2	33.5	989	6.82	23.5	.5	10.2	1.3	33	.2	.4	.2	155	1.08	.090	11	164.7	1.41	78	.147	5	2.63	.024	.47	<.1	.05	16.1	.2	<.05	8	.6
STANDARD DS6	11.3	121.4	28.7	142	.3	24.6	10.6	696	2.81	20.5	6.6	48.4	3.0	40	6.0	3.4	4.9	55	.85	.078	14	185.7	.58	164	.080	17	1.92	.073	.15	3.5	.22	3.2	1.7	<.05	6	4.3

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data / FA ___

APPENDIX 3

SOIL DATA FORMS.

GEOCHEMICAL DATA

PROJECT: 1FAT
GENERAL LOCATION: WEST GOSSAN CK. Sheslay.
SAMPLER: T.E.L.
DATE: Aug 28/05
NTS MAP SHEET: 104J/6E

LOCATION: NTS / UTM / GRID — NORTH (SOUTH) EAST (WEST)

	NORTH (SOUTH)	EAST (WEST)	Survey-type	Depth (CM.)	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	5+00	17+00	Soil	30	B	BR.	TILL?	5	5	>35	>35	20	No.	UNALTERED Volcanic FRAGS.
2	4+00	17+00	"	30	B	BR	"	<5	5	45	30	15	"	IN DEPRESSION.
3	4+00	17+50	"	25	B?	R-BR	"	10	5	30	35	20	?	FRAGS OF UNALTERED VOLCANICS
4	4+00	18+00	"	25	B?	R-BR.	"	5	5	40	30	20	No	Poplar Slope.
5	4+00	18+50	"	25	B	Br to R Br.	"	5	5	40	30	20	No.	FRAGS OF UNALTERED VOLCANICS
6	4+00	19+00	"	35	C? B?	LT. BR	"	5	5	35	35	20	No.	Pale brown with small FRAGS Volcanics.
7	4+00	19+50	"	30	B	BR	"	5	5	35	35	20	No	Poplar Slope
8	4+00	20+00	"	25	B	BR	"	5	5	35	35	20	No	Poplar Slope
9	4+00	20+50	"	25	B	BR	"	5	5	35	35	20	No	Poplar Slope.
* 10	4+00	21+00	"	25	B	BR	"	5	5	35	35	20	No	Slightly Red Brown. *

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
HORIZON: Marked A, B, or C
COLOUR: Br. Brown. Bl. Black. R. Red. G. Grey. O. Orange. Dk. Dark. Lt. Light.
MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
ORGANICS: Visual estimate of organic content.
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

* W.P.9 Etrex GPS Accuracy 11.0m. Elevation 705M. 344971 / 6453175

GEOCHEMICAL DATA

PROJECT: HAT
GENERAL LOCATION: GOSSAN CK WEST
Shrelay

SAMPLER: EO / TGL
DATE: Aug 29/05
NTS MAP SHEET: 104J 4G

LOCATION: NTS / UTM / GRID
NORTH (SOUTH) EAST (WEST)

	NORTH (SOUTH)	EAST (WEST)	Survey-type	Depth (cm)	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	4+00 S	16+50	Soil	10	B	BR.	Fine Till?	0	20	5	65	10	–	Boulder bed - Poor. Soil - HARD TO SAMPLE
2	"	16+00	"	10	B?	Black	Soil	0	45	0	55	–	–	As Above - Organic.
3	"	15+50	"	15	B	BR.	"	15	20	5	60	–		Rocky - Slabby talus W Vegetation
4	"	15+00	"	15	C? B	Yellow BR.	"	15	10	5	60	10	Yes	V. shallow soil DK volcanic bedrock.
5	"	14+50	"	25	B	MED Br.	Fine Soil	0	20	10	70	–		Top of slope at 14+80 W.
6	"	14+00	"	30	B	DK BR.	"	0	20	15	65	–		Flattish - Poplar.
7	"	13+50	"	25	B	MED Br.		10	15	20	55	-		" "
8	5+00	13+50	"	30	C?	Yellow BR.		10	10	50	25	5		Good Soil
9		14+00	"	25	"	BR		10	10	40	30	10		Good. "
10		14+50	"	25	"	BR.		15	5	40	30	10		

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
HORIZON: Marked A, B, or C
COLOUR: Br. Brown. Bl. Black. R. Red. G. Grey. O. Orange. Dk. Dark. Lt. Light.
MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
ORGANICS: Visual estimate of organic content.
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

GEOCHEMICAL DATA

PROJECT HAT.
GENERAL LOCATION WEST GOSSAN CK. Sheslay.
SAMPLER T. LISLE
DATE Aug 29/05
NTS MAP SHEET 104J/04E

LOCATION NTS / UTM / GRID — NORTH (SOUTH) EAST (WEST) — cm.

	NORTH (SOUTH)	EAST (WEST)	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	4+50	16+50	Soil	20	B	BR	Till ?	15	5	25	35	20	?	Near Volc. outcrop Some Rk. FRAGS.
2	"	16+00	"	25	B	BR	"	20	5	25	35	15	YES	BASE OF ANDESITE OC.
3 *	"	15+50	"	25	B	BR	"	20	10	30	25	15	YES	Poor Sample - In talus - Base of oc. *
4	"	15+00	"	15	B ?	BR	"	20	10	35	20	15	YES	ON VOLC. OC. Tr Yellow Carb ALT.
5	"	14+50	"	15	B ?	R-BR.	"	15	5	35	20	25	YES	Near Volcanic OC.
6	"	14+00	"	15	B	BR	"	10	5	35	25	25	NO	Poplar Slope.
7	"	13+50	"	20	B	BR.	"	10	5	35	25	25	No.	Poplar Slope.
8														
9														
10														

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
HORIZON: Marked A, B, or C
COLOUR: Br. Brown. Bl. Black. R. Red. G. Grey. O. Orange. Dk. Dark. Lt. Light.
MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
ORGANICS: Visual estimate of organic content.
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

* Etrex GPS - NAD 85 - Accuracy 12M. (WP11) Elev. 827M 345512 / 6453131

Note: Tie Line 4+50S - 13+50W to 4+00S - 13+50W = 58M.

GEOCHEMICAL DATA

PROJECT: HAT
GENERAL LOCATION: Bossan CK West, Sheslay
SAMPLER: TBL / BO.
DATE: August 28/05
NTS MAP SHEET: 104J/4E

LOCATION: NTS / UTM / GRID — CM.

	NORTH (SOUTH)	EAST (WEST)	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	4+50	17+00	Soil	20	B	BR.	Till	15	10	10	50	15	Yes	DK. Volcanics.
2	"	17+50	"	20	B	BR.	Soil	20	10	10	40	20	—	Flat area on Poplar Slope.
3	"	18+00	"	30	B	BR	Till	0	10	20	55	15	No	Deep Soil on Slope.
4	"	18+50	"	25	B	DK. BR.	Soil	0	10	25	60	5	No	" " " "
5	"	19+00	"	30	B?	LT. BR.	Soil	15	10	30	40	5		
6	"	19+50	"	30	B	DK BR.	"	10	10	25	45	10		
7	"	20+00	"	25	B	DK. BR.	"	10	10	20	50	10		
8	"	20+50	"	20	B	?	"	5	10	25	50	5		
9	"	21+00	"	20	B	DK. Br.	"	10	10	20	50	10		EOL.
10	5+50	17+00W	"	?	B.		"	?					No.	?

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
HORIZON: Marked A, B, or C
COLOUR: Br. Brown. Bl. Black. R. Red. G. Grey. O. Orange. Dk. Dark. Lt. Light.
MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
ORGANICS: Visual estimate of organic content.
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

GEOCHEMICAL DATA

PROJECT: HAT.
GENERAL LOCATION: WEST GOSSAN CK
Sheslay

SAMPLER: TEL / GO
DATE: AUGUST 28 / 05
NTS MAP SHEET: 104J 4E

LOCATION: NTS / UTM / GRID
NORTH (SOUTH) EAST (WEST)

	NORTH (SOUTH)	EAST (WEST)	Survey-type	Depth (CM.)	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	5+00	21+00	Soil	20	B/C	BR.	Soil	10	10	10	55	15	?	
2	"	20+50	"	20	"		"	5	10	15	60	10	?	
3	"	20+00	"	30	"		Rock/Soil	15	5	15	60	5	?	
4	"	19+50	"	20	"	BR		15	5	20	60	0	?	
5	"	19.00	"	25	C?	LT. BR.		15	5	20	60		?	
6	"	18+50	"	20	"	DK BR.		10	5	20	60	5	?	
7	"	18+00	"	25	"	DK BR.		15	5	20	55	5	?	
8	"	17+50	"	20	"	BR/ BL		20	5	10	55	10	?	
9														
10														

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
HORIZON: Marked A, B, or C
COLOUR: Br. Brown. Bl. Black. R. Red. G. Grey. O. Orange. Dk. Dark. Lt. Light.
MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
ORGANICS: Visual estimate of organic content.
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

GEOCHEMICAL DATA

PROJECT HAT
GENERAL LOCATION GOSSAN CK WEST
Shesley.

SAMPLER E.O. / TEL.
DATE Aug 29/65
NTS MAP SHEET 104J 4E

LOCATION NTS / UTM / GRID (circle one)

	NORTH (SOUTH)	EAST (WEST)	Survey-type	Depth (cm)	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	5+00	15+00	Soil	20	B	BR	Till?	20	10	20	50			FAIR
2	5+00	15+50	"	20	B	DK BR	"	10	10	25	55			Poor to FAIR.
3	5+00	16+00	"	25	B?	MED LT. BR.	"	15	5	30	50			FAIR.
4	5+00	16+50	"	20	B?	MED BR.	"	10	10	30	50			FAIR TO GOOD.
5														
6														
7														
8														
9														
10														

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
HORIZON: Marked A, B, or C
COLOUR: Br. Brown. Bl. Black. R. Red. G. Grey. O. Orange. Dk. Dark. Lt. Light.
MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
ORGANICS: Visual estimate of organic content.
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

GEOCHEMICAL DATA

PROJECT: HAT.
GENERAL LOCATION: West Gusson Ck. Shrsley.
SAMPLER: T.E.L. (E.O.)
DATE: Aug 27/05
NTS MAP SHEET: 104J/4E

LOCATION: NTS / UTM / GRID — NORTH (SOUTH) EAST (WEST) (cm.)

	NORTH (SOUTH)	EAST (WEST)	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	6+00	20+00	Soil	10		Bl.	Rocky Soil.	20	10	5	45	20		Rock Fragments
2	"	19+50	"	20		DK Bl.	Rocky.	25	5	5	45	20		
3	"	19+00	"	15		DK Bl.	Rocky.	20	5	5	55	15		
4	"	18+50	"	15		Bl.	Lge. Angular Rocks	10	10	10	55	15		Difficult - v. rocky ground.
5	"	16+50	"	25		DK Br.	Till?	5	10	10	60	15		Boulders of unaltered Volc.
6	"	16+00	"	15		DK Br.	—	15	5	10	60	10		Fine Soil with rock chips.
7	"	15+50	"	2-3		LT Br.	Talus	10	10	10	55	15		Poor material in talus Frags.
8	No Sample, "	15+00	"	—	No Soil	—	—	—	—	—	—	—		TALUS. DK. Volc. No Sample.
9	"	14+50	"	3-7	Some Rust	LT Brown	Talus	20	5	5	50	20		Soil and RK. Frags from scree slope.
10	"	14+00	"	5-10		V DK Bl/Bl		15	5	5	50	25		Thin rocky Soil 15° slope South.
11	"	13+50	"	5-10		DK Br.	FAIR	25	5	5	45	20		Poplar Slope ~ 20°

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
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MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
ORGANICS: Visual estimate of organic content.
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

GEOCHEMICAL DATA

PROJECT: HAT
GENERAL LOCATION: WEST GOSSAN CREEK / STEWART.
SAMPLER: TEL / EO
DATE: AUGUST 26 / 05
NTS MAP SHEET: 104J / 04E

LOCATION: NTS / UTM / GRID — NORTH (SOUTH) — EAST (WEST)

	NORTH (SOUTH)	EAST (WEST)	Survey-type	Depth (cm)	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	6+50	14+50	Soil	10	B!	DK BR	TALUS	30	10	5	30	25	DK VOLC.	30° Slope to South
2	"	14+00	Soil	15		?	TALUS	35	5	5	35	20		TALUS - Outcrop of Volcanics.
3		13+50	"	10	?	MED BR.	TALUS FINES	35	5	-	35	25	"	Steep Slope Angular talus
4		13+00	"	15	C?	Yellow BR	TALUS GRAVEL	35		5	35	25		Gravelly
5	6+00S	13+00	"	20	B	BR	"	35		5	30	30		Gravel - 25° slope.
6														
7														
8														
9														
10														

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
HORIZON: Marked A, B, or C
COLOUR: Br. Brown. Bl. Black. R. Red. G. Grey. O. Orange. Dk. Dark. Lt. Light.
MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
ORGANICS: Visual estimate of organic content.
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

GEOCHEMICAL DATA

PROJECT HAT.
GENERAL LOCATION GOSSAN CK WEST
Sheslay

SAMPLER E. O.
DATE August 29/05
NTS MAP SHEET 104 J 4E

LOCATION NTS / UTM / GRID

	NORTH (SOUTH)	EAST (WEST)	Survey-type	Depth (cm)	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	6+50 S	17+50	Soil	10	B?	DK BR.	Soil	10	5	5	65	15		Angular Rocks. Difficult to get good soil.
2	6+50	18+00	"	15	"	DK BR.		5	5	5	75	10		Poplar Slope.
3	6+50	18+50	"	20	"	DK BR.		10	5	5	60	20		Fair Soil
4	6+50	19+00	"	20	"	MED BR.		15	5	5	60	15		Better Soil
5	6+50	19+50	"	20	"	MED BR.		15	10	5	50	20		Side Slope - Rocky
6	6+50	20+00	"	20	"	"		10	10	5	60	15		Slabby Talus.
7	6+50	20+50	"	15	"	BR		10	10	5	60	15		Rocky - Good Soil
8	6+50	21+00	"	10	"	MED BR.		10	5	5	65	15		Rocky - Hard to get Good soil.
9	6+00	21+00	"	15	"	BR.		5	5	5	70	15		Fine texture.
10	6+00	20+50	"	15	"	DK BR.		10	5	5	70	10		

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
HORIZON: Marked A, B, or C
COLOUR: Br. Brown. Bl. Black. R. Red. G. Grey. O. Orange. Dk. Dark. Lt. Light.
MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
ORGANICS: Visual estimate of organic content.
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

GEOCHEMICAL DATA

PROJECT HAT
GENERAL LOCATION Groseon CK west. Shale.
SAMPLER TEL
DATE Aug 27/05
NTS MAP SHEET 104 J/4E

LOCATION NTS / UTM / GRID

	NORTH (SOUTH)	EAST (WEST)	Survey-type	Depth (CM)	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	7+00	17+50	Soil	15	B?	BR.	Till?	10	5	20	20	45	No	Yellow - Carb Alt. Fragments in Soil
2	"	18+00	"	15	B?	R-Br.	"	5	10	15	40	30	?	Yellow - Carb Alt. Frags
3	"	18+50	"	25	B?	R.Br.	"	20	10	10	30	30	No	Abundant Hi Carb. Alt. Frags.
4	"	19+00	"	30	B	BR.	"	5	5	20	35	35	No.	Red Brown
5	"	19+50	"	25	B	BR.	"	20	5	20	25	30	?	Some Hi Carb Alt Volc + Unaltered Volc.
6	"	20+00	"	25	B	Br.	Till	5	5	30	30	30	No	Unaltered Volcanic Fragments in Soil
7	" **①	20+50	"	25	B	Pale Brown	Sandy Till	20	5	20	25	30	No.	Abundant Unaltered Volc. Float in Soil
8	" **②	21+00	"	20	B	BR.	Till	20	5	20	25	30	?	Outcrop + Unaltered Volc. Frags.
9	6+00S	17+00	"	20	B	Dk Br.	Till	5	5	35	30	25	No.	Poplar Slope.
10	"	17+50	"	25	B	Br - R.Br.	Till	5	5	35	30	25	No.	—
	"	18+00	"		B	B-RBr.	"	15	5	30	25	25	?	Altered + Unaltered Frags

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
HORIZON: Marked A, B, or C
COLOUR: Br. Brown. Bl. Black. R. Red. G. Grey. O. Orange. Dk. Dark. Lt. Light.
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GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

NAD 83

GPS - 18+50W - 6+00S. - Accuracy (Etrex). 24M.
E1-746M 345222/6453003.

**① 7S-2020W - 5m. OC of Carb Alt (Br)? RK.
**② 7S-2030W - Gully - Contact?
7S-2030-2050W - Unaltered Volcanics. Flt + Oc.
7S-1 21+00W - 25M above Valley Floor.

Tie line: 7+00S - 21+00W to 6+50S 20+80W = 52M (SD).

GEOCHEMICAL DATA

PROJECT HAT
GENERAL LOCATION WEST GOSSAN CK. Sheslay.

SAMPLER TEL : EO.
DATE AUGUST 26/05
NTS MAP SHEET 104J 04E

LOCATION NTS / UTM / GRID
NORTH (SOUTH) EAST (WEST)

	NORTH (SOUTH)	EAST (WEST)	Survey-type	Depth (cm.)	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	7+00	17+00	Soil	15	C	Rusty BR.	Soil	20	5	20	20	40	C?	Carb Alt. Volc.
2	7+00	16+50	"	20	C?	DK ? BR.	Soil + RK.	40	5	10	30	15		?
3	7+00	16+00	"	20	C?	BR	"	30	5	10	40	15		Flat Area.
4	7+00	15+50	"	15	C	R. BR	Soil	30	5		50	15		" Area - Good Soil
5	7+00	15+00	"	18	C?	DK BR.	Soil + RK.	30		10	40	20	Slide Area.	Carb Alt Frags. close to bedrock.
6	6+50	17+00	"	15	B?	V DK BR	Soil + RK.	30	5		50	15		Rocky till
7	6+50	16+50	"	25	B?	"	"	30	5		50	15		"
8	6+50	16+00	"	15	B?	"	"	30	5	5	40	20		Rocky Bedrock. DK. Volcanics
9	6+50	15+50	"	20	B?	"	"	25	5		60	10		V. Dark Soil
10	6+50	15+00	"	20	C?	Yellow BR.	"	25	5	10	40	20		Better Soil.

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
HORIZON: Marked A, B, or C
COLOUR: Br. Brown. Bl. Black. R. Red. G. Grey. O. Orange. Dk. Dark. Lt. Light.
MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
ORGANICS: Visual estimate of organic content.
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

Appendix 4

Cost Statement

Hat Claims, Geochemical Survey, August 23 to September 2, 2005

Wages, 2 @ $300.00/day x 11days	$6,600.00
Analyses: 95 soil samples: Acme laboratory.	$1,616.23
Fixed-Wing Aircraft. Dease Lake-Hatchau Lake Return.	$1,724.84
Camp Costs. 2@ $60.00/day x 11	$1,320.00
Truck Rental. 11 @ $55.00/day	$ 605.00
Gasoline	$ 425.87
Radiotelephone:	$ 100.00
Report:	$ 800.00
Total:	$13,191.94

T.E. Lisle, P.Eng.

E.O Ostensoe, P. Geo.