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: July 11 to July 20, 2006

Statement of Work Event No 4098612

Prepared By:

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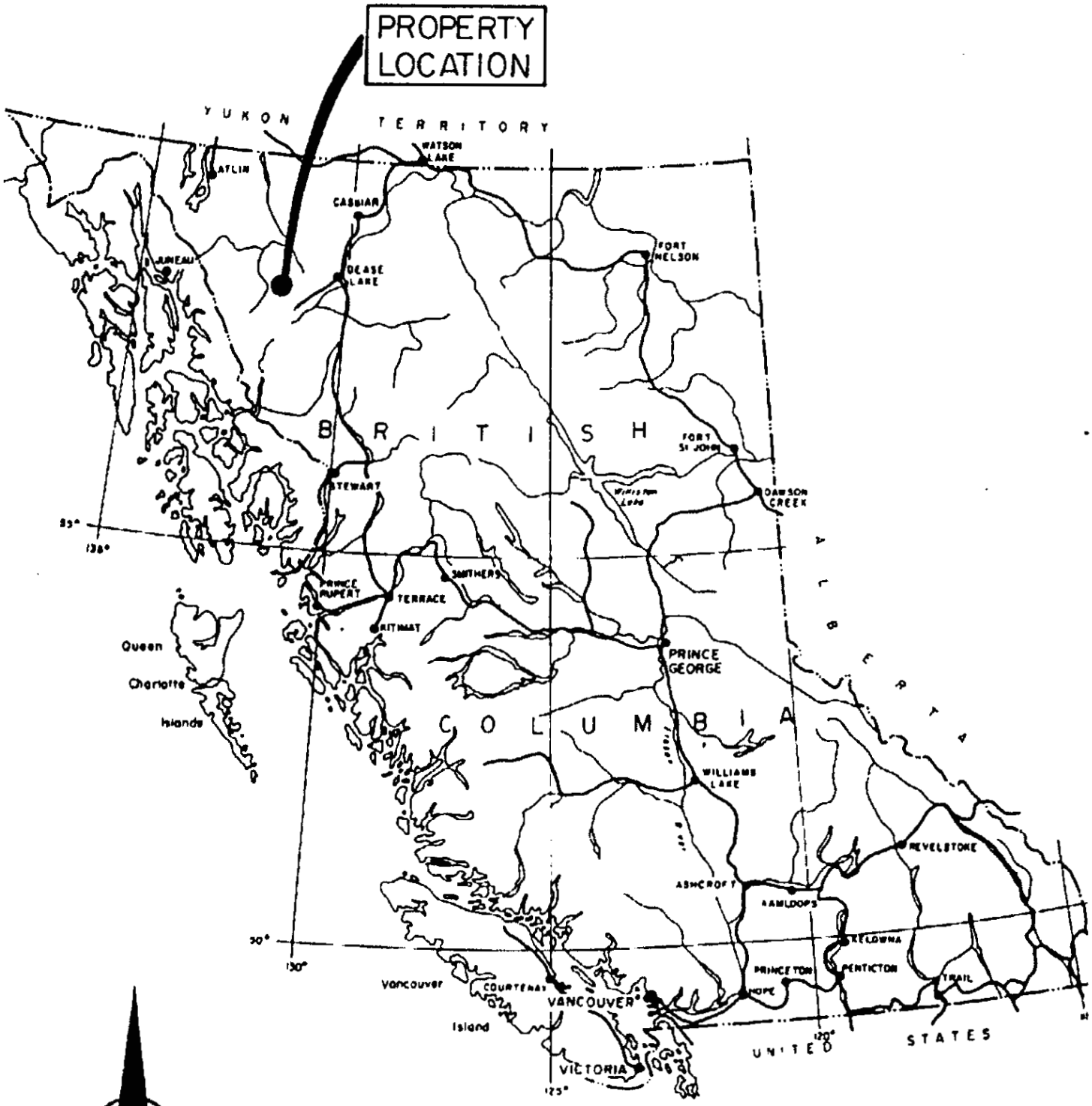
Erik A. Ostensoe, P. Geo.

August 31, 2006



HAT PROJECT

PROPERTY LOCATION MAP

Drawn	N.T.S. 104J/4E	Date 2006/08	Figure. 1

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MAPS

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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. Various mining companies had explored the claim area between 1963 and 1994, and the owners had previously explored the claims intermittently between 1994 and 2001.

Both the 2005 survey work and the 2006 survey 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 2006 soil survey involved the collection of 91 soil samples and followed up on 95 samples collected in 2005.

The 2006 samples were analyzed at an accredited laboratory in Vancouver. The analytic data, combined with the 2005 data revealed a large (>300 ppm) copper in soil anomaly that correlated with elevated levels of gold, cobalt and nickel.. The anomaly is not fully outlined.

The combined data also showed anomalous levels of arsenic and barium mainly at the lower topographic levels in the south part of the grid. These anomalous zones appear peripheral to the large area of copper-gold interest. It is possible that the high levels of barium and arsenic relate to a late mineralizing event within and near structures along the Hackett River Valley Lineament.

The further exploration of the Gossan Creek area requires a comprehensive program of mapping, geochemistry and geophysics.

This report describes the details of the 2006 geochemical soil survey on the Hat claims, and presents the results of the work on maps accompanying the report.

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 Hat 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 RG 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. This work identified three areas within the claims that were considered prospective for copper-gold mineralization, and which warranted follow-up work.

During August 2005, a partial geochemical survey was carried out on the western part of the Gossan Creek Zone near Hatchau Lake. The data resulting from this work was filed for assessment in 2005. During the period July 11 to July 20, 2006, the geochemical survey in this area was continued on extensions to the 2005 grid mainly to the north and east. The results of the 2006 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

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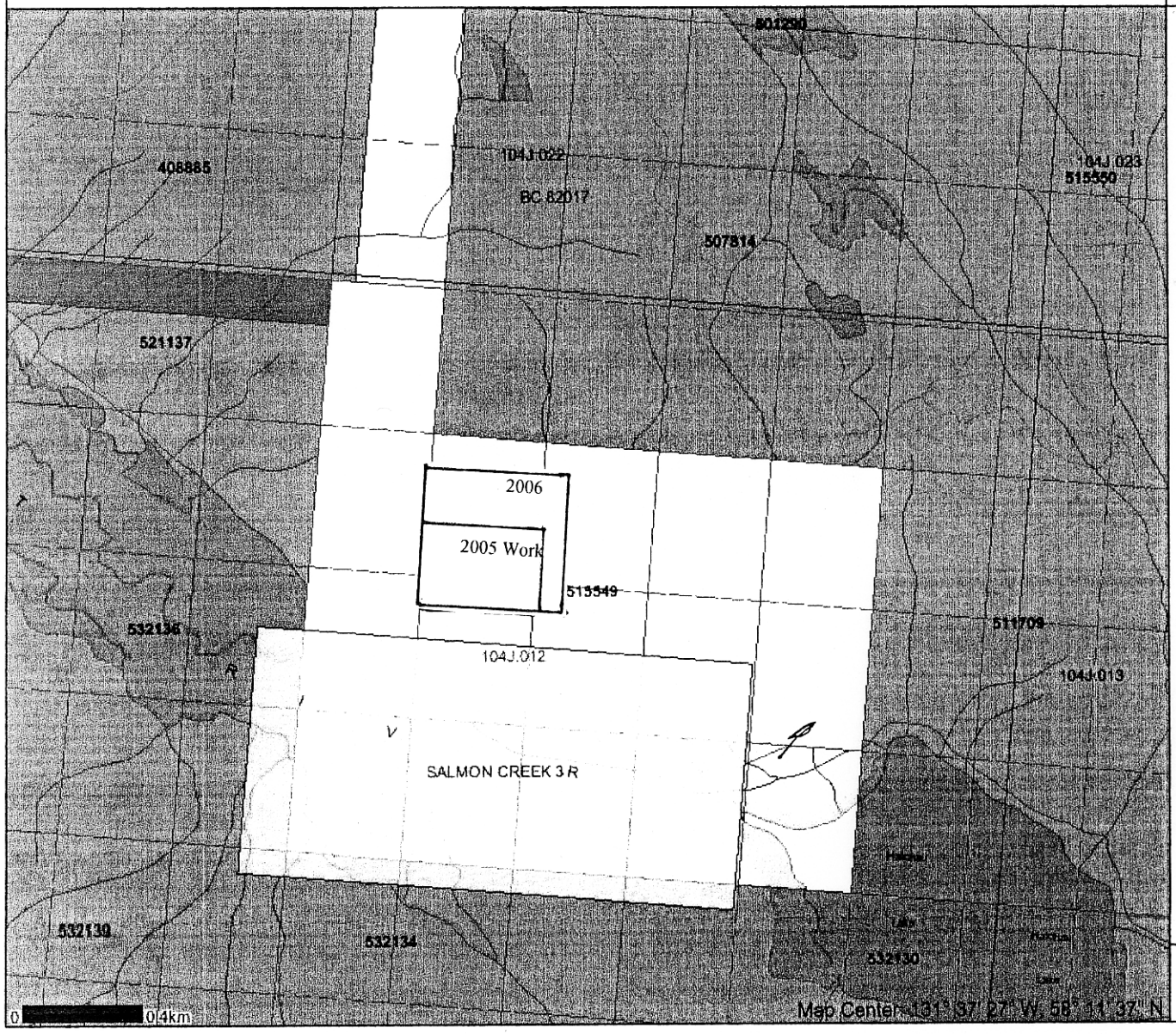


Legend

HAT PROJECT

Claim Map Showing Area Of 2005/2006 Geochemical Survey.

Fig 2 Aug 31,2006

Scale: 1:20,000

DO NOT USE FOR NAVIGATION

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 CLAIMS, ATLIN MINING DIVISION
July, 2006

Name	Tenure#	Issue Date	Cells	GTD	Total Hectares	2006 Assessment	New GTD*
Hat 3	511709	2005/Apr/26		2006/Sep/30	324.014	2,592.11	2008/Sept/30
Bob 2	507814	2005/Feb/24		2006/Sep/30	255.738	2,047.03	2008/Sep/30
Hat	501290	2005/Jan/12		2007/Jan/12	204.528	1,636.22	2009/Jan/12
Hat 4	515549	2005/Jun/29		2006/Sept/30	187.587	1,500.70	2008/Sep/30
Bob 1	515550	2005/Jun/29		2006/Sept/30	715.865	5,726.92	2008/Sep/30
Total					1,687.732		

* After filing of 2006 Technical work.

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 a useable gravel 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. It has been suggested that this road may be decommissioned in the future.

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) Lisle, T.E., and Ostensoe, E. 2005 Geochemical Report on the HAT claims. Assessment Report filed September 2005.
6) 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.
7) Schmidt, A. 1978 Linecutting and Geochemical Surveys, Ski Property, Atlin M.D., B.C. Assessment Report 6835
8) Vyselaar, J. 1979. Combined Linecutting, Geochemical and Geophysical Report, Ski Property, Atlin M.D., B.C. Assessment Report 7482.
9) 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. Mapping and regional magnetic surveys indicates that a large section 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 copper and gold mineralization is widely scattered within the claims, and three areas appear to have high potential for hosting significant concentrations of mineralization. These include:

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 at the PET prospect located further west 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 limited 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 to determine either the size or grade of this zone.

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. Background soil and rock geochemistry show that the alteration zones are variably anomalous in copper, gold, arsenic and barium, and locally in zinc, lead and antimony. Silver content is mainly low. Of interest is a selected sample of silicified (chalcedonic) breccia from the area west of Gossan Creek 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 above.

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 10 days, from July 11 through July 20, 2006.

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 by the present owners 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 both the 2005 and 2006 survey work was directed expanding the data in this area.

3.2 Sampling Procedure.

The 2005 grid was extended to the north and to the east and a total of 91 soil samples were collected. For reference, the 2005 grid was tied into a 1995 traverse west from

Gossan Creek. Station 19+00W on line 8+00S on the 1995 grid was located and a line run easterly for 185 metres then northerly for 100 metres to establish a reference point at 7+00N and 17+00W. From this point, a grid was established by running a sub baseline northerly on 17+00W between 7+00s to 4+00S in 2005, and between 4+00S and 2+00S in 2006. A total of 95 soil samples were collected in 2005 from six east-west grid lines spaced 50 metres apart with 50 metre spacing mainly between 13+50W and 21+00W. A further 91 soil samples were collected in 2006 from grid extensions to the north and to the east. Currently the grid covers an area approximately 500M north-south by 1000 metres east-west.(2+00S to 7+00S and 11+00W to 21+00W).

The sample grid was completed with belt chain and compass and lines were commonly tied off at both ends. Attempts were made to tie the grid to earlier work but this was only partly successful. GPS readings were collected at a number of grid points on the survey, and these points are noted on Figure 3 to this report.

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 or several metres thick. Within the grid, outcropping was noted scattered over a limited area mainly between 15+50W and 17+50W, but the areas to the east and west are largely Poplar slopes devoid of outcrop. Drainages in the eastern section of the grid are locally greater that 10 metres deep without outcrop, suggesting relatively deep overburden.

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. Near Lines 2+00S and 3+00S between 16+50W and 17+00W, volcanic breccias with interstitial fillings of diorite to monzonite are present, and malachite was noted. Highly altered limonitic carbonate-silica rock (breccia)? is also evident mainly near the south sections of the grid. 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. At some locations, the samples were collected with a screw auger. The collection of samples with the augur is thought to yield a better sample, particularly in areas of muskeg and thick overburdenl, however, the process is slow and very time consuming. 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 Appendix 3 to 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 with 90 ml 2-2-2 HCl-HNO3-H2O at 95°C for one hour, diluted to 300ml, then analyzed by ICP-MS for 36 elements. The analytic data from the laboratory are included as Appendix 2 to this report.

4.0 PROGRAM RESULTS.

For purposes of display, six of the elements (Cu. Au. As. Ba. Co. Ni) have been plotted and are included as figures 4a to 4f to this report. This data should be viewed in conjunction with the 2005 soil data that was filed for assessment purposes with the Ministry in 2005. The data has not been statistically analyzed, however, areas of possible interest for these elements are highlighted by simple contours.

a) A large irregular zone with anomalous copper in the soils is indicated in an area centered at about 4+00S and 17+00W. Assays range up to 1325ppm copper. The zone is not uniformly anomalous. It occurs generally in the area where malachite was noted in talus associated with the narrow rib of outcrop trending northerly through the grid. Small anomalous zones are also located throughout the grid, mainly to the east in areas thought to be underlain by thicker overburden. Their relationship to the central zone is uncertain.

b) Gold assays ranged up to 50.1 ppb gold. (2005 assays ranged up to 179 ppb gold). The 15 ppb contour indicates a weaker anomalous zone that roughly approximates the central copper zone. The zone is not uniformly anomalous. There are also a number of smaller, one to four station, anomalies scattered throughout the grid, a few of which do not correlate with the copper.

c) Cobalt assays ranged up to129.3 ppm. (2005 assays ranged up to 159.6 ppm). Contoured at 50 ppm, the data shows a central zone with elevated levels of cobalt that roughly correlates with the central copper zone. As with the copper and gold, a few small anomalous sites are widely scattered in the grid, mainly to the west.

d) Nickel assays ranged up to 217.8 ppm. (2005 assays ranged up to 238.8 ppm). The 120 ppm contour shows elevated levels of Nickel that roughly correlate with the central copper zone. Elsewhere, only three small, one to two site, anomalies are evident in the grid.

e) Arsenic assays ranged up to 83 ppm. (2005 assays ranged up to 205.2 ppm). Contoured at 50 ppm, the 2006 survey work showed only two sites with elevated levels of arsenic. The 2005 data showed a number of sites in the southern part of the grid with higher levels of arsenic, however only a few appear to correlate with the central copper zone.

f) Barium assays ranged up to 171 ppm (2005 assays ranged up to 290 ppm). Contoured at 150 ppm, only two widely spaced sites in the 2006 work yielded assays of interest. The 2005 work showed a number of sites in the southern part of the grid (4+50S to 7+00S) that; while locally coincident with central copper zone elements, partly flank that zone. The barium data shows a spatial relationship with Arsenic, but site correlation is weak.

g) Other elements. (Not plotted). Zinc assays ranged up to 323 ppm. (2005 assays ranged up to 363 ppm). Some of the higher results from the 2006 work occur in the central anomalous copper-rich area near 17+00N.

5.0 CONCLUSIONS AND RECOMMENDATIONS

There are a variety of mineral deposits in the Sheslay area that contain anomalous concentrations of copper and gold mineralization, and this relationship is evident on the Hat claims. Previous work in the Gossan Creek area of the Hat claims, immediately east and south of the present grid, has also shown a scattering of other anomalous elements in the rocks and soils including Ba; Co; As; Ni; and locally Sb, and Zn.
Based on mineral assemblages and textures; soil and rock geochemistry; and the intensely altered and fractured areas in and around breccia zones, the owners suggested that mineralization in and around Gossan Creek could include Low sulphidation epithermal gold-copper deposits.

The exploration work completed in 2005 and 2006 in the west Gossan Creek area has resulted in two areas that are of economic interest.
First, a large copper-gold-cobalt-nickel +- zinc anomaly is centrally located in the grid, in an area where some malachite has been noted on limited outcrop. The size of the anomaly was not fully defined. The survey also indicated other nearby zones of anomalous copper in the soils that could relate to the main zone, but the relationship is presently uncertain due to thick overburden. This target is sufficiently large to warrant a comprehensive exploration program.

Second, there are a number of areas in the south part of the grid, at the lower elevations, that show elevated levels of Arsenic and Barium. These zones appear spatially related to highly coloured and altered rocks found south of the grid and in Gossan Creek. The zones generally appear peripheral to the large copper anomaly up slope to the north. If our proposal of a low sulphidation epithermal copper-gold target is valid, it could be argued that the mineralization in the southern part of the grid, and to the south of the grid, might relate to a late mineralizing event along structures within and near the Hackett River Lineament.

It is recommended that the grid area be extended to the north, and east to Gossan Creek . The area should be mapped in detail. Further geochemical soil surveys should be completed where overburden is deemed to be relatively thin. Consideration should be given to Induced Polarization surveys.

2006 GPS Observations, Hat Project

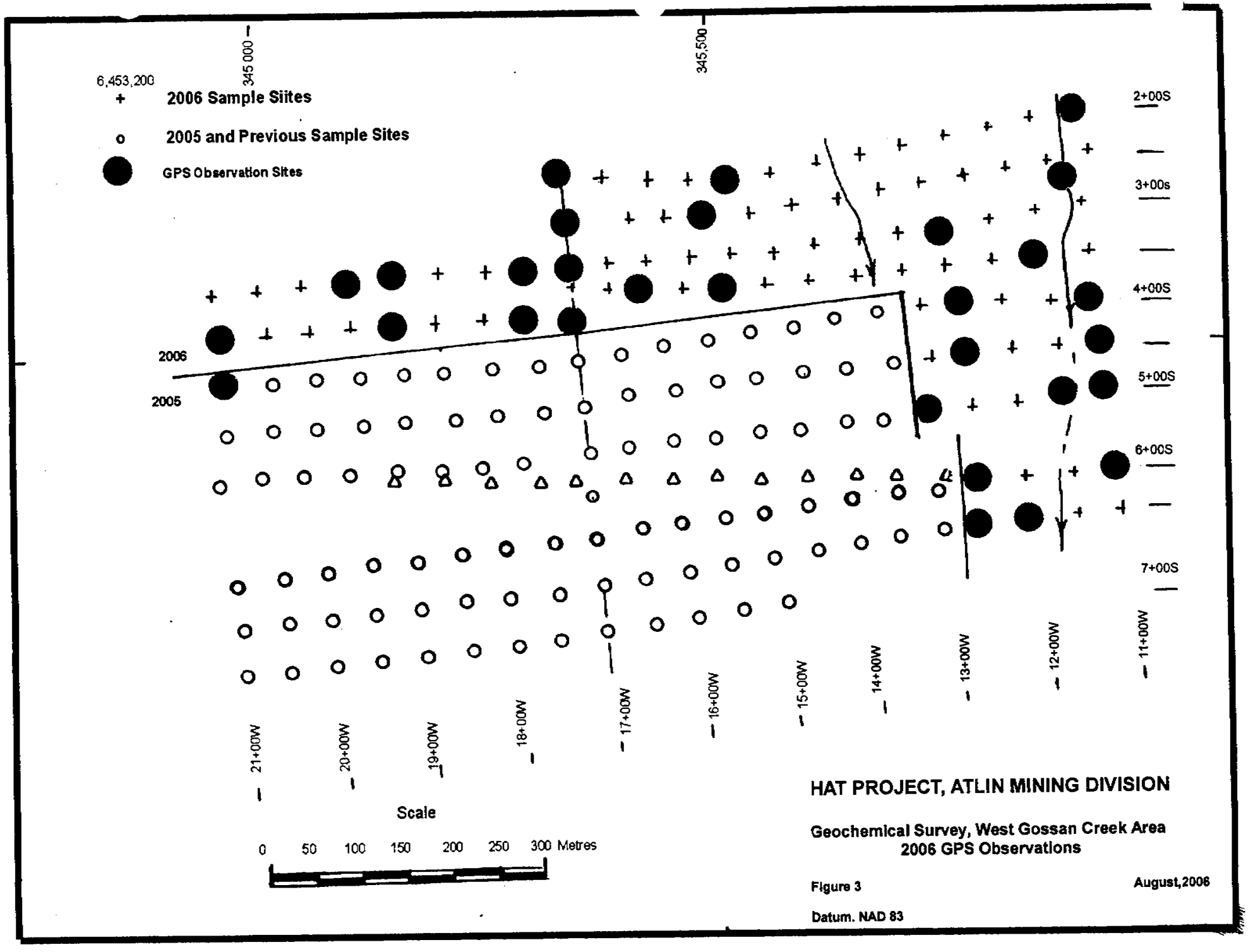
Garmin etrex GPS

Waypoint	Grid	Elevation (Meters)	East	North	Accuracy (in metres)
21	??	877	345,389	6,452,871	??
22	2+50S, 17+00W	862	345,340	6,453,341	7
23	??	877	345,336	6,453,379	??
24	2+00S, 15+00W	960	345,522	6,453,378	8
25	2+00S, 11+00W	956	345,902	6,453,455	10
26	2+50S, 15+50W	931	345,496	6,453,348	9
27	3+00S, 17+00W	854	345,350	6,453,271	10
28*	Old Grid. No?	949	345,749	6,453,338	??
29	3+0S, 12+50W	949	345,756	6,453,317	8
30**	Old Grid	928	345,905	6,453,266	10
31	Old Grid 2+00S/11+00W	932	345,891	6,453,378	11
32	3+50S, 11+50W	928	345,862	6,453,292	9
33	3+50S, 15+00W	913	345,516	6,453,262	7
34	3+50S, 16+00W	883	345,424	6,453,261	7
35	3+50S, 17+00W	840	345,346	6,453,234	15
36	3+50S 17+50W	834	345,299	6,453,241	7
37	3+50S, 19+00W	781	345,153	6,453,234	9
38	4+00S, 21+00W	727	344,970	6,453,168	7
39	3+50S, 21+00W	732	344,967	6,453,222	7
40	3+00S, 19+50W	759	345,103	6,453,277	12
41	3+00S, 17+50W	849	345,296	6,453,289	8
42	3+00S, 19+00W	847	345,148	6,453,308	15
43	4+00S, 12+50W	910	345,772	6,453,245	17
44	4+00S, 11+00W	922	345,916	6,453,245	9
45	4+50S, 12+50W	889	345,782	6,453,188	7
46	5+00S, 13+00W	881	345,742	6,453,123	11
47	5+00S, 11+50W	879	345,881	6,453,142	8
48	6+00S, 11+00W	847	345,941	6,453,069	9
49	6+50S, 12+00W	840	345,843	6,452,988	9
50	6+00S, 12+50W	849	345,792	6,453,046	12

* Old Grid Point is about 20M @352° from 2006 grid point 3+00S, 12+50W
** Old Grid. Unmarked Station, is 27 Metres south of 3+50S, 11+00W, and 25 Metres east of Creek

Garmin 45 GPS.

Line	2+00S, 17+00W	856	345,343	6,453,,381
Old Stn.	Line 2S, 11W	879	345,892	6,453,377
Line	4+50S, 11+00W	916(+- 36)	345,931	6,453,196
Line	5+00S, 13+00W	?	345,675	6,453,115
Line	5+00S, 11+00W		345,929	6,453,153
Line	6+50S, 12+50W		345,793	6,453,005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Scale
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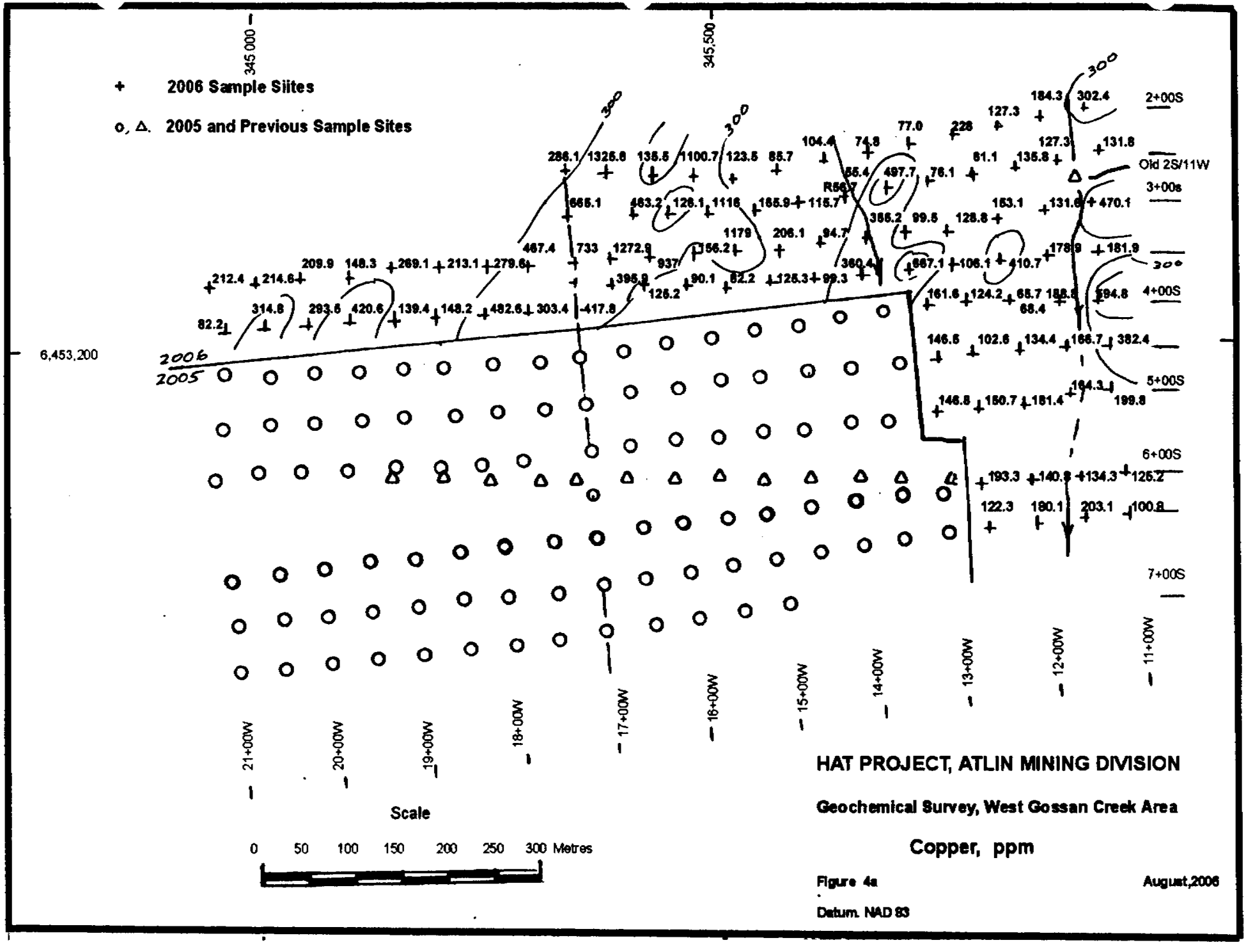
HAT PROJECT, ATLIN MINING DIVISION
Geochemical Survey, West Gossan Creek Area
2006 GPS Observations
Figure 3
August,2006
Datum. NAD 83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7+00S
Old 2S/11W
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17+00W
16+00W
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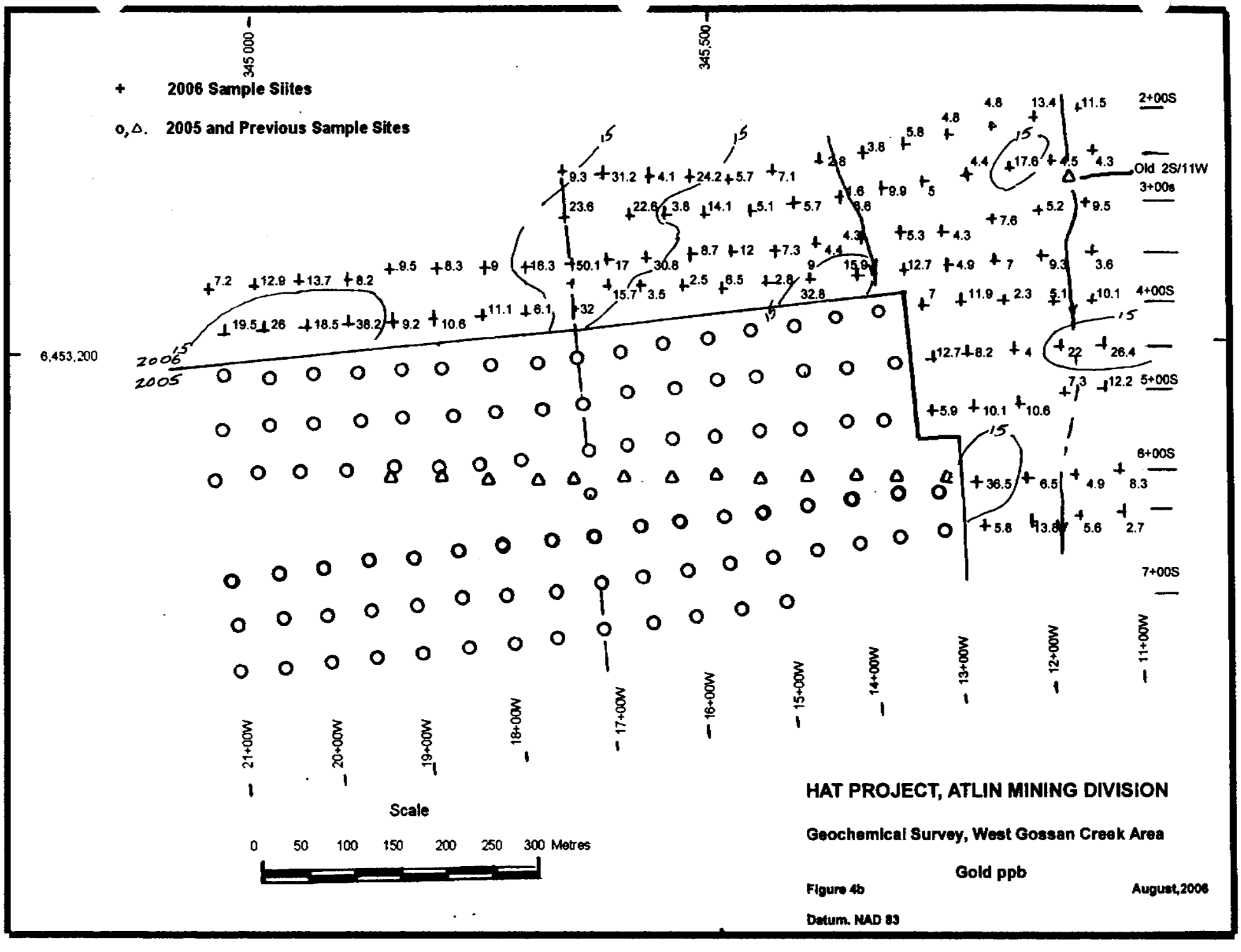
11+00W
Scale
0 50 100 150 200 250 300 Metres
HAT PROJECT, ATLIN MINING DIVISION
Geochemical Survey, West Gossan Creek Area
Copper, ppm
Figure 4a
August,2006
Datum. NAD 83



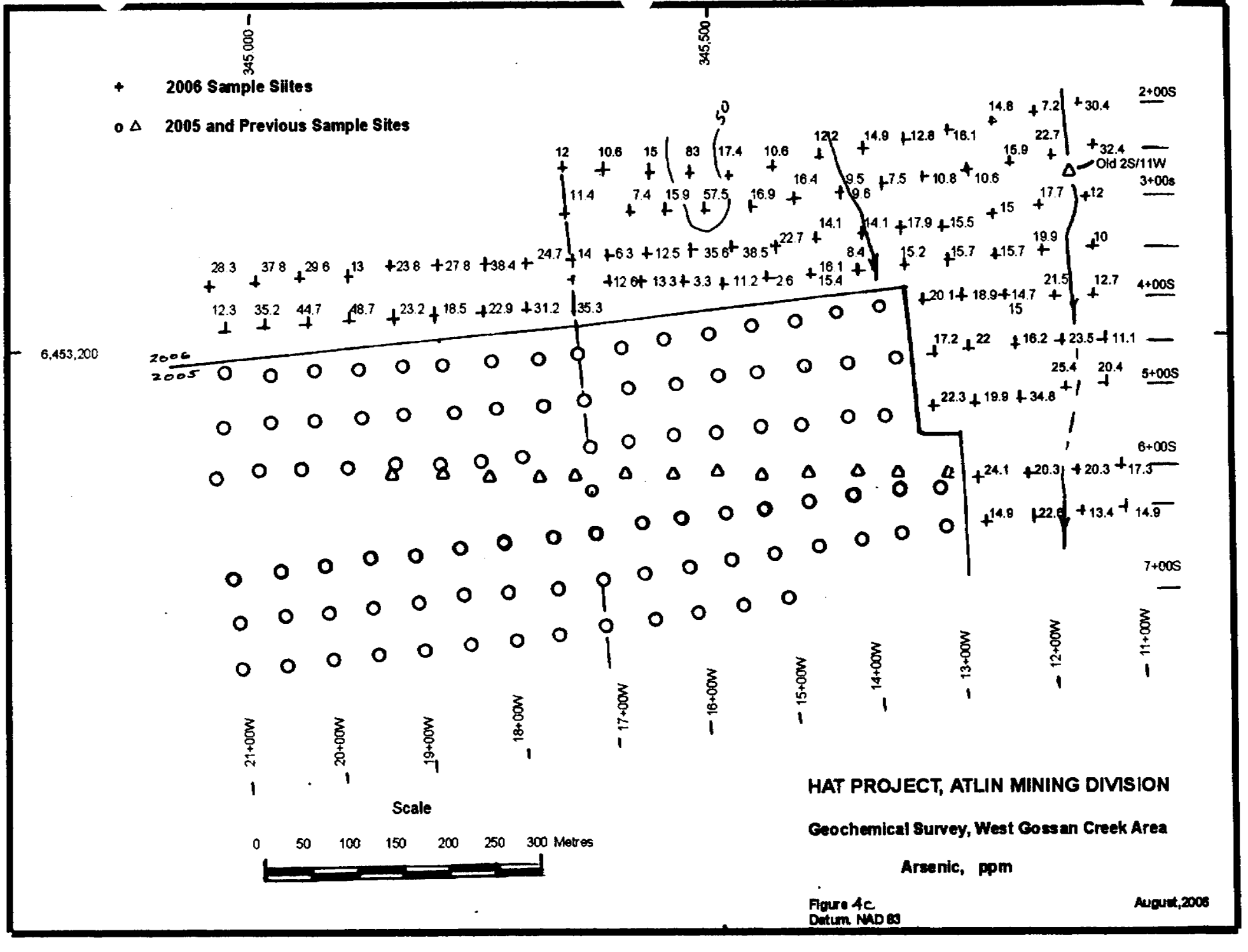
HAT PROJECT, ATLIN MINING DIVISION

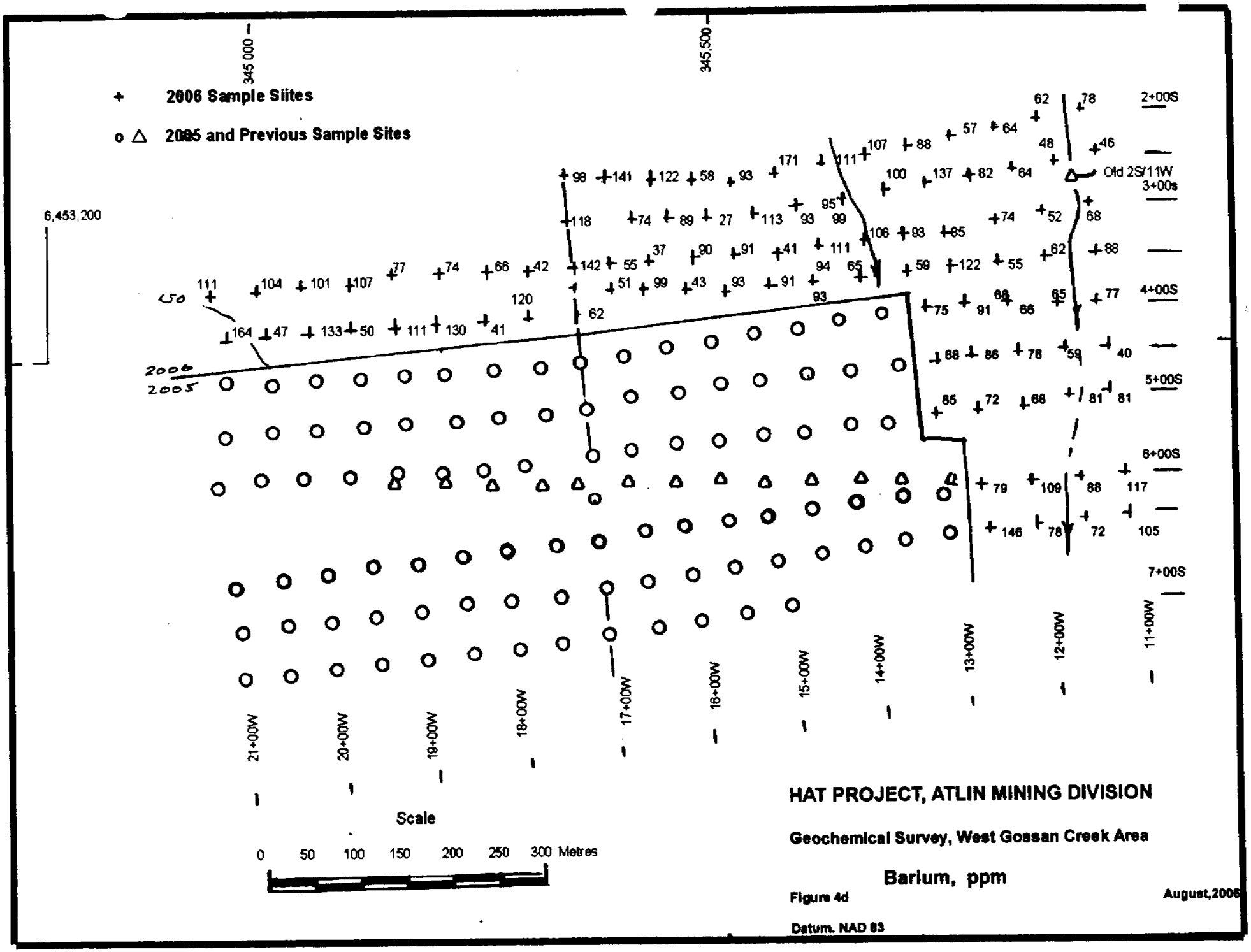
Geochemical Survey, West Gossan Creek Area

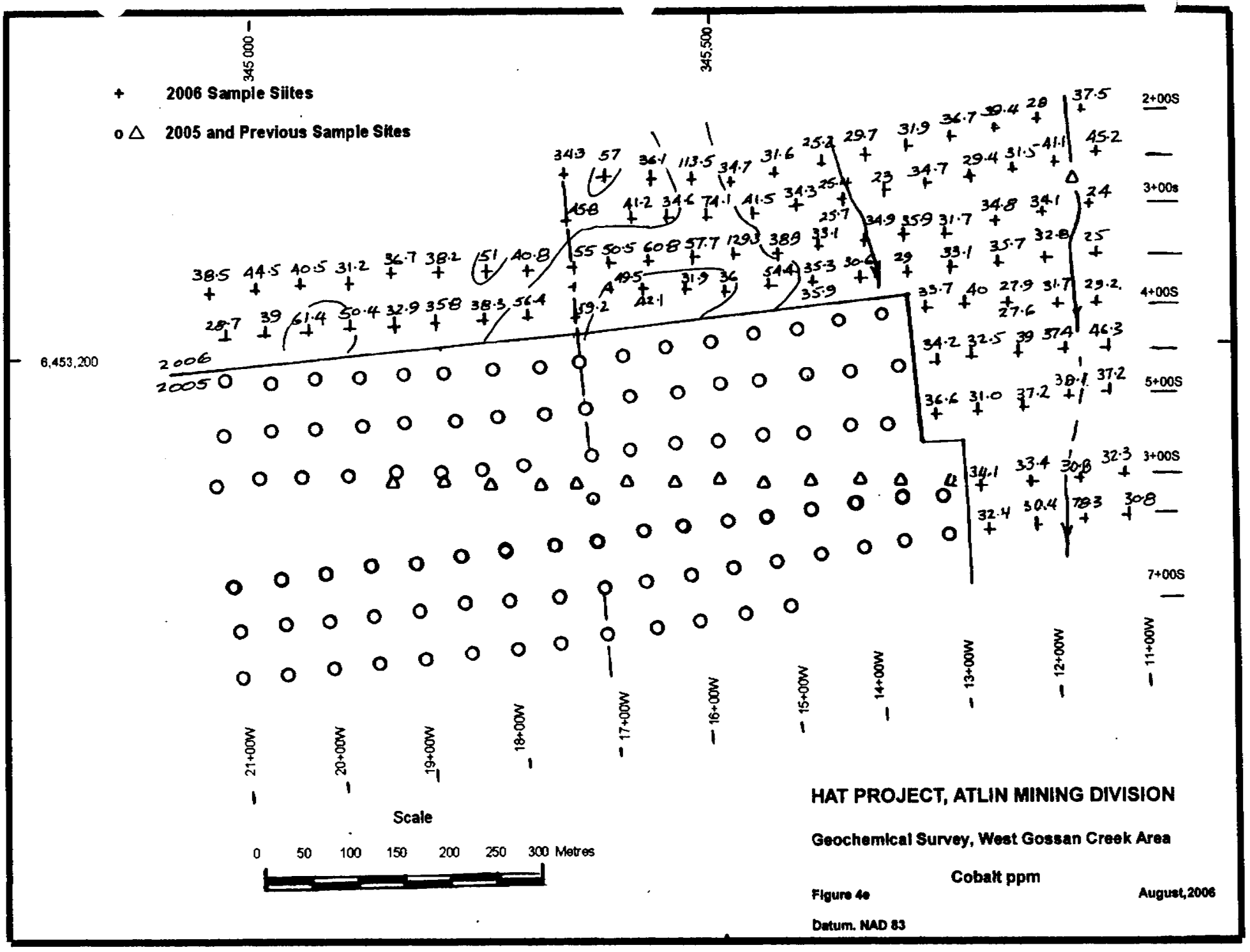
Gold ppb

Figure 4b **August,2006**

Datum. NAD 83


345,000
345,500
+ 2006 Sample Sites
o △ 2005 and Previous Sample Sites
2+00S
3+00s
4+00S
5+00S
6+00S
7+00S
Old 2S/11W
6,453,200
2006
2005
21+00W
20+00W
19+00W
18+00W
17+00W
16+00W
15+00W
14+00W
13+00W
12+00W
11+00W
Scale
0 50 100 150 200 250 300 Metres
HAT PROJECT, ATLIN MINING DIVISION
Geochemical Survey, West Gossan Creek Area
Arsenic, ppm
Figure 4c.
Datum: NAD 83
August, 2006


345 000
345,500
+ 2006 Sample Siites
o △ 2005 and Previous Sample Sites
6,453,200
2+00S
3+00s
4+00S
5+00S
6+00S
7+00S
Old 2S/11W
2006
2005
21+00W
20+00W
19+00W
18+00W
17+00W
16+00W
15+00W
14+00W
13+00W
12+00W
11+00W
Scale
0 50 100 150 200 250 300 Metres
HAT PROJECT, ATLIN MINING DIVISION
Geochemical Survey, West Gossan Creek Area
Barium, ppm
Figure 4d
August,2006
Datum. NAD 83



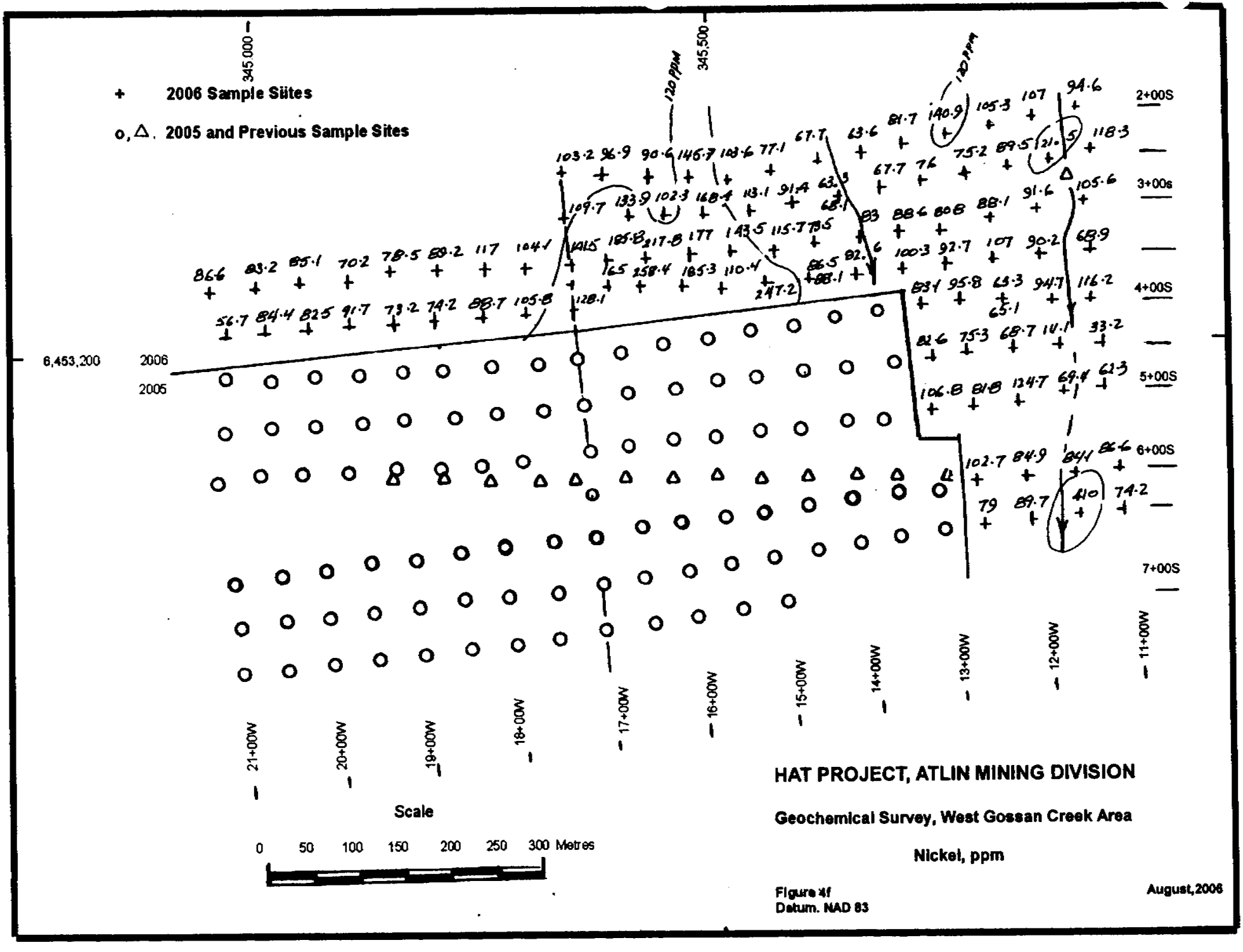
HAT PROJECT, ATLIN MINING DIVISION

Geochemical Survey, West Gossan Creek Area

Cobalt ppm

Figure 4e **August,2006**

Datum. NAD 83


+ 2006 Sample Sites
o, △. 2005 and Previous Sample Sites
345,000
345,500
120 ppm
120 ppm
6,453,200
2006
2005
2+00S
3+00S
4+00S
5+00S
6+00S
7+00S
21+00W
20+00W
19+00W
18+00W
17+00W
16+00W
15+00W
14+00W
13+00W
12+00W
11+00W
Scale
0 50 100 150 200 250 300 Metres
HAT PROJECT, ATLIN MINING DIVISION
Geochemical Survey, West Gossan Creek Area
Nickel, ppm
Figure 4f
Datum. NAD 83
August, 2006

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, 2005 and 2006, 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

cc for TEL

Ostensoe, Erik File # A603839 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
G-1	.1	1.6	2.4	46	<.1	3.9	4.3	480	1.74	<.5	1.7	<.5	3.3	43	<.1	<.1	.1	31	.39	.075	6	6	.59	184	.113	2	.86	.048	.45	.1	<.01	1.7	.3	<.05	4	<.5
L2+00S 17+00W	.6	286.1	8.5	87	.1	103.2	34.3	1072	5.09	12.0	.5	9.3	1.2	29	.2	.3	.1	130	.92	.116	9	138	1.37	98	.150	6	2.66	.012	.44	.1	.01	10.2	.1	<.05	9	<.5
L2+00S 16+50W	1.3	1325.8	8.3	311	.3	96.9	57.0	1629	4.35	10.6	.4	31.2	1.0	28	.6	.3	.1	105	.94	.135	7	131	1.21	141	.129	4	2.57	.011	.16	.1	.02	6.2	.1	<.05	9	<.5
L2+00S 16+00W	1.0	135.5	11.8	132	.1	90.6	36.1	1221	5.42	15.0	.6	4.1	1.4	29	.3	.3	.1	139	.88	.157	8	129	1.20	122	.139	4	2.73	.012	.23	.1	.02	9.6	.1	<.05	9	.5
L2+00S 15+50W	8.2	1100.7	9.1	92	.8	145.7	113.5	1158	6.40	83.0	.8	24.2	1.1	30	.3	.6	.3	126	.98	.091	16	194	1.62	58	.134	3	2.54	.012	.16	.1	.02	10.1	.2	.06	8	.6
L2+00S 15+00W	1.0	123.5	10.0	72	.2	103.6	34.7	857	5.62	17.4	.5	5.7	1.6	36	.1	.4	.1	151	.81	.054	9	134	1.42	93	.150	3	3.06	.012	.11	.1	.02	11.1	.1	<.05	10	.5
L2+00S 14+50W	1.0	85.7	13.2	139	.2	77.1	31.6	1408	5.15	10.6	.5	7.1	1.6	37	.3	.3	.1	129	.74	.104	8	94	1.15	171	.141	2	2.64	.014	.10	<.1	.02	8.5	.1	<.05	9	<.5
L2+00S 14+00W	1.2	104.4	6.3	58	<.1	67.7	25.2	871	4.79	12.2	.8	2.8	2.0	43	.1	.4	.1	136	.73	.039	11	93	1.34	111	.149	2	2.63	.019	.06	.1	.02	11.4	.1	<.05	8	.7
L2+00S 13+50W	1.7	74.8	7.1	71	.1	63.6	29.7	1059	5.34	14.9	.7	3.8	1.9	39	.2	.6	.1	156	.89	.041	8	89	1.15	107	.163	4	2.80	.020	.06	.1	.04	9.8	.1	<.05	9	.7
L2+00S 13+00W	1.0	77.0	8.5	93	.3	81.7	31.9	972	5.43	12.8	.4	5.8	1.8	33	.3	.3	.1	135	.83	.103	9	103	1.15	88	.219	3	2.73	.019	.22	.1	.01	8.5	.1	<.05	10	.6
L2+00S 12+50W	1.2	228.0	7.8	52	<.1	140.9	36.7	679	5.41	16.1	.7	4.8	1.5	33	.1	.4	.1	147	.96	.039	10	147	1.69	57	.142	4	2.97	.019	.14	.1	.02	12.2	.1	<.05	8	1.2
L2+00S 12+00W	1.0	127.3	6.9	70	.2	105.3	39.4	837	5.34	14.8	.5	4.8	1.3	26	.1	.3	.1	134	.88	.049	7	131	1.53	64	.171	4	2.96	.016	.19	.1	.01	9.0	.1	<.05	9	.8
L2+00S 11+50W	1.2	184.3	4.4	41	.1	107.0	28.0	634	3.68	7.2	.4	13.1	.8	37	.1	.2	.1	83	1.43	.089	6	127	1.85	62	.127	6	2.04	.024	.05	.1	.03	6.2	<.1	<.05	6	.7
L2+00S 10+90W	4.0	302.4	5.5	51	.1	94.6	37.5	600	6.03	30.4	1.1	11.5	1.3	32	.1	.4	.1	134	1.04	.036	7	114	1.43	78	.117	6	2.79	.018	.05	<.1	.02	9.6	.1	.06	8	1.8
L2+50S 17+00W	1.2	665.1	13.7	323	.3	109.7	45.8	1240	5.19	11.4	.4	23.6	1.3	37	.9	.2	.1	108	1.21	.260	9	97	1.16	118	.155	6	2.73	.014	.16	<.1	.01	7.6	.1	<.05	9	<.5
L2+50S 16+50W	.9	463.2	7.2	119	.2	133.9	41.2	951	4.74	7.4	.8	22.6	1.7	25	.2	.2	.1	119	.60	.103	8	127	1.12	74	.159	3	2.78	.011	.17	.1	.02	7.9	.1	<.05	9	.5
L2+50S 16+00W	.7	126.1	10.4	112	.1	102.3	34.6	1047	5.33	15.9	.6	3.8	1.6	29	.2	.4	.1	140	.78	.076	10	125	1.16	89	.157	3	2.90	.012	.30	<.1	.02	11.5	.1	<.05	9	<.5
L2+50S 15+50W	4.9	1116.0	5.1	65	.4	168.4	74.1	917	4.90	57.5	.6	14.1	.9	19	.2	.9	.3	77	.61	.089	6	133	1.07	27	.082	2	1.92	.008	.14	<.1	.01	7.4	.2	<.05	6	.8
L2+50S 15+00W	.8	165.9	10.7	101	.2	113.1	41.5	1164	5.78	16.9	.5	5.1	1.4	35	.3	.3	.1	145	.89	.123	9	138	1.29	113	.141	4	3.08	.011	.29	.1	.02	11.9	.1	<.05	10	.6
L2+50S 14+50W	.9	115.7	8.3	73	<.1	91.4	34.3	892	5.76	16.4	.5	5.7	1.5	34	.1	.4	.1	155	.87	.095	8	128	1.47	93	.148	2	3.31	.012	.14	.1	.01	10.3	.1	<.05	10	.6
L2+50S 14+00W	1.5	55.4	6.5	56	.1	63.3	25.4	759	4.80	9.5	.4	1.6	1.8	34	.1	.3	.1	115	.72	.046	7	79	.99	95	.188	2	2.49	.015	.09	.1	.02	7.4	.1	<.05	8	.8
RE L2+50S 14+00W	1.5	56.7	6.7	60	.1	68.1	25.7	769	4.97	9.6	.4	6.6	1.8	36	.1	.3	.1	123	.74	.047	8	83	1.01	99	.199	2	2.61	.017	.09	.1	.02	7.7	.1	<.05	9	.6
L2+50S 13+50W	1.1	497.7	5.7	111	.2	67.7	23.0	689	4.61	7.5	.7	9.9	1.6	53	.2	.3	.1	102	1.42	.078	13	66	1.17	100	.199	5	2.17	.048	.07	.1	.04	7.6	.1	<.05	7	.8
L2+50S 13+00W	1.5	76.1	9.2	114	.3	76.0	34.7	1454	5.55	10.8	.4	5.0	1.4	29	.3	.3	.1	134	.68	.076	7	94	1.13	137	.203	3	2.66	.012	.24	<.1	.01	7.2	.1	<.05	9	.5
L2+50S 12+50W	1.2	61.1	5.5	82	.2	75.2	29.4	887	4.89	10.6	.4	4.4	1.7	27	.2	.3	.1	123	.81	.039	7	80	1.10	82	.204	4	2.56	.015	.22	.1	.01	6.8	.1	<.05	8	.6
L2+50S 12+00W	1.6	135.8	6.7	57	.1	89.5	31.5	785	5.52	15.9	.6	17.6	1.5	27	<.1	.3	.1	144	.86	.032	10	113	1.32	64	.168	3	2.89	.016	.15	<.1	.02	10.3	.1	<.05	9	1.0
L2+50S 11+50W	1.6	127.3	13.6	67	.3	121.5	41.1	892	5.85	22.7	.4	4.5	1.4	26	.1	.3	.1	151	.86	.036	6	144	1.43	48	.152	5	3.05	.014	.22	.1	.02	10.5	.2	<.05	9	.7
L2+50S 11+00W	1.2	131.8	11.1	68	.3	118.3	45.2	927	6.06	32.4	.5	4.3	1.4	21	.1	.4	.1	148	.86	.052	7	141	1.35	46	.132	5	2.94	.013	.21	<.1	.02	10.9	.2	<.05	9	.8
L3+00S 21+00W	.8	212.4	5.1	78	.2	86.6	38.5	810	5.48	28.3	.4	7.2	1.5	26	.1	.4	.1	131	.79	.118	9	107	1.07	111	.125	5	2.50	.017	.45	.1	.03	11.9	.1	<.05	8	<.5
L3+00S 20+50W	1.2	214.6	5.2	79	.2	83.2	44.5	944	5.86	37.8	.5	12.9	1.5	27	.1	.4	.1	136	.77	.140	10	101	1.02	104	.121	4	2.44	.015	.34	.1	.03	11.7	.2	<.05	8	.8
L3+00S 20+00W	1.0	209.9	4.8	70	.2	85.1	40.5	940	5.27	29.6	.4	13.7	1.5	28	.2	.3	.1	130	.79	.095	10	110	1.09	101	.125	3	2.44	.016	.43	<.1	.02	11.0	.1	<.05	8	.5
L3+00S 19+50W	.9	148.3	7.0	90	.3	70.2	31.2	861	5.00	13.0	.4	8.2	1.4	36	.3	.3	.1	122	.98	.201	9	78	1.00	107	.136	6	2.25	.016	.23	.1	.01	8.1	.1	<.05	7	.7
L3+00S 19+00W	1.3	269.1	6.9	77	.4	78.5	36.7	705	5.25	23.8	.5	9.5	1.5	35	.2	.3	.1	138	.80	.120	10	108	1.26	77	.174	4	2.70	.018	.24	.1	.02	8.7	.1	<.05	9	.8
L3+00S 18+50W	1.0	213.1	6.6	64	.2	89.2	38.2	797	5.86	27.8	.6	8.3	1.7	34	.1	.4	.1	145	.82	.055	11	122	1.24	74	.141	4	2.79	.015	.30	.1	.04	13.5	.2	<.05	9	.7
L3+00S 18+00W	1.7	279.6	7.2	65	.2	117.0	51.0	954	6.34	38.4	.6	9.0	1.5	26	.2	.5	.1	158	.89	.078	9	151	1.52	66	.133	4	2.85	.013	.31	.1	.04	13.7	.2	<.05	9	.7
STANDARD DS7	21.2	113.0	71.4	420	.9	58.0	9.9	627	2.43	48.5	4.9	71.8	4.4	69	6.3	6.0	4.5	87	.92	.079	12	165	1.06	373	.125	39	.97	.072	.44	3.9	.20	2.5	4.3	.21	5	3.6

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.

2006-08-03 P03:39

Data ✓ FA ____ DATE RECEIVED: JUL 21 2006 DATE REPORT MAILED:.....

BRITISH COLUMBIA CERTIFIED ASSAYER Raymond Chan

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
G-1	.1	1.6	2.2	43	<.1	3.7	3.9	429	1.57	<.5	1.6	<.5	3.1	42	<.1	<.1	.1	29	.37	.072	5	6	.54	164	.102	2	.80	.043	.41	.1	<.01	1.5	.3	<.05	4	<.5
L3+00S 17+50W	1.4	467.4	12.7	59	.2	104.1	40.8	961	5.77	24.7	.7	16.3	1.4	31	.1	.4	.1	138	.93	.107	11	127	1.36	42	.120	3	2.50	.014	.22	.1	.03	13.2	.2	<.05	8	.6
L3+00S 17+00W	.9	733.0	21.6	258	.3	141.5	55.0	1218	5.66	14.0	.4	50.1	1.2	28	1.1	.3	.2	121	1.03	.136	9	127	1.22	142	.129	8	2.75	.012	.53	.1	.02	9.2	.2	<.05	8	.5
L3+00S 16+50W	1.9	1272.9	7.2	155	.6	185.8	50.5	616	4.41	6.3	.4	17.0	.9	17	.2	.2	.1	92	.85	.075	5	157	1.55	55	.117	4	2.49	.011	.20	.1	.02	5.6	.1	<.05	7	.7
L3+00S 16+00W	13.0	937.0	3.8	84	.4	217.8	60.8	1164	7.90	12.5	.7	30.8	.5	50	.2	.8	.2	130	1.52	.079	5	192	2.42	37	.116	5	3.21	.008	.27	.1	.05	11.7	.4	.09	9	1.5
L3+00S 15+50W	1.1	156.2	7.9	131	.2	177.0	57.7	1036	5.94	35.6	.5	8.7	1.2	23	.2	.3	.1	124	.79	.130	7	140	1.18	90	.137	4	3.09	.011	.21	.1	.01	9.0	.1	<.05	9	<.5
L3+00S 15+00W	2.9	1179.0	7.7	120	.7	143.5	129.3	1644	7.46	38.5	.9	12.0	.8	34	.4	.9	.3	126	1.50	.129	10	107	.87	91	.062	8	2.34	.009	.31	<.1	.03	12.1	.3	.09	8	.8
L3+00S 14+50W	.7	206.1	10.2	62	.1	115.7	38.9	989	5.97	22.7	.7	7.3	1.5	33	.1	.4	.1	144	.99	.075	12	131	1.48	41	.129	3	2.86	.013	.24	.1	.03	14.3	.1	<.05	9	.8
L3+00S 14+00W	.9	94.7	8.4	119	.1	73.5	33.1	1089	5.57	14.1	.5	4.4	1.4	32	.2	.3	.1	142	.72	.139	9	110	1.07	111	.143	4	3.07	.010	.25	.1	.01	10.1	.1	<.05	9	<.5
L3+00S 13+50W	1.6	355.2	9.9	125	.2	83.0	34.9	999	5.73	14.1	.5	4.3	1.4	44	.3	.5	.1	135	1.29	.052	9	115	1.17	106	.144	6	2.78	.018	.16	.1	.03	11.4	.1	<.05	9	1.1
L3+00S 13+00W	.9	99.5	9.7	105	.2	88.6	35.9	1084	5.87	17.9	.6	5.3	1.5	31	.2	.3	.1	152	.94	.064	10	123	1.34	93	.165	4	3.07	.014	.24	.1	.02	11.4	.1	<.05	10	.7
L3+00S 12+50W	1.1	128.8	9.3	84	.2	80.8	31.7	993	5.64	15.5	.9	4.3	1.6	35	.2	.4	.1	133	.93	.077	11	106	1.38	85	.171	4	3.00	.014	.19	.1	.02	10.9	.1	<.05	10	.6
L3+00S 12+00W	1.4	153.1	8.6	61	.1	88.1	34.8	890	5.48	15.0	.6	7.6	1.6	32	.1	.4	.1	130	1.01	.045	10	109	1.41	74	.142	3	2.70	.017	.18	<.1	.02	11.1	.2	<.05	9	.9
L3+00S 11+50W	1.9	131.6	9.4	58	<.1	91.6	34.1	776	5.82	17.7	.7	5.2	1.5	26	.1	.3	.1	146	.90	.033	6	122	1.41	52	.151	5	2.93	.017	.15	.1	.02	10.7	.2	<.05	9	1.0
L3+00S 11+00W	1.5	470.1	7.0	56	.2	105.6	24.0	536	4.30	12.0	1.0	9.5	.9	44	.1	.3	.1	109	1.87	.067	11	96	1.33	68	.117	13	2.40	.023	.07	.1	.04	8.2	.2	.07	7	1.2
L3+50S 21+00W	1.1	82.2	4.9	112	.2	56.7	28.7	1010	4.61	12.3	.4	19.5	1.4	33	.2	.3	.1	101	.75	.180	8	66	.82	164	.134	4	2.18	.016	.32	.1	.02	7.7	.1	<.05	7	<.5
L3+50S 20+50W	1.1	314.8	4.6	55	.2	84.4	39.0	827	5.95	35.2	.6	26.0	1.4	33	.1	.5	.1	127	.95	.080	11	96	1.17	47	.088	3	2.05	.017	.25	.1	.29	13.5	.1	<.05	7	.9
L3+50S 20+00W	1.6	293.5	5.7	116	.4	82.5	61.4	974	6.02	44.7	.5	18.5	1.6	35	.2	.3	.2	133	.82	.118	12	113	1.25	133	.170	4	2.90	.016	.44	.1	.03	10.3	.1	<.05	10	<.5
L3+50S 19+50W	1.1	420.6	9.9	60	.3	91.7	50.4	731	6.23	48.7	.6	38.2	1.5	30	.2	.5	.2	130	.92	.078	11	114	1.26	50	.098	3	2.37	.017	.28	<.1	.07	14.2	.2	<.05	8	.9
L3+50S 19+00W	.9	139.4	6.7	106	.3	73.2	32.9	878	5.58	23.2	.6	9.2	1.7	30	.2	.4	.1	124	.81	.096	11	95	1.04	111	.146	5	2.54	.016	.36	.1	.02	11.0	.1	<.05	8	.5
L3+50S 18+50W	.8	148.2	7.2	133	.2	74.2	35.8	1056	5.65	18.5	.6	10.6	1.6	34	.3	.4	.1	128	.75	.179	11	103	1.13	130	.138	4	2.89	.014	.33	.1	.02	11.9	.1	<.05	9	<.5
L3+50S 18+00W	1.1	482.6	10.8	61	.3	88.7	38.3	633	4.56	22.9	.5	11.1	.9	25	.2	.3	.1	112	.92	.126	7	132	1.43	41	.104	4	2.21	.013	.22	.1	.02	7.8	.1	<.05	7	<.5
L3+50S 17+50W	1.9	303.4	7.4	108	.3	105.8	56.4	1022	5.82	31.2	.5	6.1	1.3	29	.3	.4	.1	126	.97	.123	9	121	1.29	120	.138	5	2.63	.015	.44	.1	.03	10.4	.2	.06	8	.6
L3+50S 17+00W	1.7	417.8	6.3	72	.3	128.1	59.2	957	6.01	35.3	.5	32.0	1.1	27	.2	.3	.1	123	1.09	.138	9	134	1.63	62	.115	4	2.47	.016	.27	.1	.02	10.8	.2	<.05	8	.7
L3+50S 16+50W	.6	395.9	3.7	64	.2	165.0	49.5	826	5.45	12.6	.6	15.7	1.2	25	.2	.2	.1	124	.94	.078	8	161	1.97	51	.155	4	2.92	.010	.36	<.1	.02	9.8	.1	<.05	9	.7
L3+50S 16+00W	1.0	125.2	5.0	57	.2	258.4	42.1	658	5.33	13.3	.3	3.5	1.2	16	.1	.2	.1	119	.73	.095	4	221	2.42	99	.138	4	2.88	.009	.19	<.1	.01	6.9	.2	<.05	8	<.5
L3+50S 15+50W	.6	90.1	1.6	53	.2	185.3	31.9	377	4.73	3.3	.2	2.5	.6	14	<.1	.1	<.1	119	.70	.028	3	151	2.92	43	.211	2	3.15	.007	.39	<.1	.01	4.3	.1	<.05	9	<.5
L3+50S 15+00W	.6	82.2	7.1	144	.1	110.4	36.0	921	5.27	11.2	.3	6.5	1.4	21	.2	.3	.1	121	.75	.083	7	100	1.16	93	.160	4	2.67	.014	.31	.1	.01	8.8	.1	<.05	9	.5
L3+50S 14+50W	.3	125.3	1.1	34	<.1	247.2	54.4	550	6.34	2.6	.4	2.8	.7	15	<.1	.1	<.1	145	1.24	.129	6	294	3.91	91	.279	3	3.75	.012	1.32	<.1	.01	6.9	.4	<.05	10	<.5
L3+50S 14+00W	1.1	99.3	11.3	98	.1	86.5	35.3	957	5.42	16.1	.6	9.0	1.3	27	.1	.4	.1	136	.69	.146	9	103	1.33	94	.184	3	2.91	.012	.18	.1	<.01	8.8	.1	<.05	9	.5
RE L3+50S 14+00W	1.1	98.3	11.6	101	.1	88.1	35.9	965	5.47	15.4	.5	32.8	1.4	26	.1	.3	.1	134	.66	.144	9	103	1.29	93	.151	3	2.91	.011	.18	.1	.02	8.7	.1	<.05	9	<.5
L3+50S 13+50W	1.9	360.4	3.4	64	.1	82.6	30.6	692	5.88	8.4	.5	15.9	1.2	48	.1	.2	<.1	118	1.41	.127	9	80	.88	65	.102	4	1.72	.016	.11	<.1	.08	10.7	.1	<.05	6	.7
L3+50S 13+00W	1.9	667.1	7.7	99	.3	100.3	29.0	856	5.20	15.2	1.3	12.7	1.4	35	.2	.4	.1	119	1.16	.049	11	104	1.30	59	.139	9	2.52	.017	.16	.1	.10	10.7	.1	.06	8	1.0
L3+50S 12+50W	.7	106.1	9.3	94	<.1	92.7	33.1	1020	5.71	15.7	.6	4.9	1.5	41	.2	.4	.1	142	.84	.101	10	133	1.50	122	.151	3	3.24	.015	.15	.1	.02	12.1	.1	<.05	10	.5
L3+50S 12+00W	2.1	410.7	6.3	66	.2	107.0	35.7	979	5.56	15.7	1.1	7.0	1.6	24	.1	.4	.1	130	.93	.043	13	106	1.43	55	.147	6	2.89	.016	.29	.1	.02	11.4	.2	<.05	9	.7
STANDARD DS7	21.7	115.0	71.7	421	.9	57.8	10.0	646	2.46	49.6	4.9	70.4	4.5	70	6.6	6.1	4.6	88	.94	.081	13	167	1.08	384	.125	40	.99	.075	.45	3.9	.21	2.5	4.3	.22	5	3.9

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
G-1	.3	2.0	2.0	44	<.1	5.1	4.2	522	1.81	<.5	2.4	<.5	3.7	52	<.1	<.1	.1	37	.48	.080	6	41	.58	221	.129	1	.89	.072	.48	.1	<.01	1.9	.3	<.05	5	<.5
L3+50S 11+50W	1.4	178.9	10.0	59	<.1	90.2	32.8	868	5.55	19.9	.8	9.3	1.7	29	.1	.4	.1	146	.90	.033	9	129	1.51	62	.142	5	2.84	.017	.15	.1	.03	12.8	.2	<.05	8	.8
L3+50S 11+00W	1.6	181.9	7.0	63	<.1	68.9	25.0	763	4.32	10.0	.6	3.6	1.6	37	.1	.3	.1	101	1.09	.043	7	75	1.22	88	.147	7	2.21	.028	.08	.1	.02	8.3	.1	<.05	7	1.1
L4+00S 13+00W	2.0	161.6	8.0	67	.3	83.1	33.7	1071	5.37	20.1	.5	7.0	1.6	33	.1	.6	.1	136	.94	.069	10	109	1.28	75	.131	5	2.53	.015	.30	.1	.03	12.1	.1	<.05	8	.6
L4+00S 12+50W	1.5	124.2	10.2	108	.1	95.8	40.0	1083	5.41	18.9	.6	11.9	1.7	33	.2	.4	.1	147	.82	.098	11	122	1.19	91	.148	4	2.81	.014	.33	.1	.02	12.4	.2	<.05	9	.7
L4+00S 12+00W	1.3	65.7	5.9	69	.1	63.3	27.9	821	5.47	14.7	.5	2.3	2.1	22	.1	.3	.1	133	.73	.067	11	84	1.08	68	.276	5	2.60	.018	.32	.1	.07	8.7	.1	<.05	10	.8
RE L4+00S 12+00W	1.2	68.4	6.0	71	.1	65.1	27.6	823	5.45	15.0	.5	2.9	2.1	23	.1	.3	.1	133	.73	.067	11	87	1.09	66	.287	6	2.63	.019	.33	.1	.07	8.6	.1	<.05	9	.8
L4+00S 11+50W	1.1	188.8	8.3	75	.2	94.7	31.7	827	5.46	21.5	.9	5.1	1.6	26	.1	.4	.1	149	.88	.055	10	125	1.44	65	.151	5	2.94	.016	.21	.1	.02	13.1	.1	<.05	9	1.0
L4+00S 11+00W	1.2	594.9	13.9	112	.2	116.2	29.2	678	5.10	12.7	.7	10.1	1.2	47	.1	.3	.1	114	1.52	.074	8	118	1.62	77	.134	6	2.56	.030	.10	.1	.04	9.7	.2	<.05	8	1.1
L4+50S 13+00W	.9	146.5	9.6	58	.1	82.6	34.2	908	5.57	17.2	.6	12.7	1.5	30	.1	.4	.1	134	1.00	.097	8	103	1.30	68	.107	5	2.41	.014	.24	.1	.03	12.4	.2	<.05	8	.8
L4+50S 12+50W	1.1	102.6	8.2	101	.2	75.3	32.5	1017	5.56	22.0	.5	8.2	1.7	28	.2	.3	.1	148	.84	.092	11	102	1.09	86	.156	6	2.63	.017	.35	.1	.05	11.0	.1	<.05	9	.7
L4+50S 12+00W	4.1	134.4	5.7	80	.2	68.7	39.0	1041	5.64	16.2	.6	4.0	1.5	30	.1	.4	.1	158	.90	.058	9	96	1.31	78	.176	6	3.02	.014	.42	.1	.01	12.6	.2	<.05	10	.6
L4+50S 11+50W	.8	166.7	8.5	70	<.1	111.1	37.4	1018	5.89	23.5	.6	22.0	1.6	30	.1	.4	.1	155	1.05	.126	10	141	1.49	59	.135	4	3.11	.016	.21	.1	.03	13.6	.2	<.05	9	.6
L4+50S 11+00W	2.6	382.4	3.4	56	.2	33.2	46.3	747	6.67	11.1	.5	26.4	1.2	134	.1	.4	.1	138	2.22	.138	7	33	.60	40	.116	2	4.18	.007	.27	<.1	.03	10.2	.3	<.05	11	6.8
L5+00S 13+00W	1.0	146.8	8.1	83	.2	106.8	36.6	1098	5.84	22.3	.6	5.9	1.7	30	.2	.4	.1	146	.84	.126	10	126	1.23	85	.128	4	2.71	.015	.37	<.1	.02	13.4	.2	<.05	9	.5
L5+00S 12+50W	1.0	150.7	6.6	60	.2	81.8	31.0	862	5.42	19.9	.4	10.1	1.5	34	.1	.3	.1	146	1.13	.081	10	98	1.17	72	.120	7	2.41	.017	.38	.1	.01	11.6	.1	<.05	8	.6
L5+00S 12+00W	.8	181.4	8.9	69	.1	124.7	37.2	1040	6.05	34.8	.6	10.6	1.5	31	.1	.4	.1	161	.94	.114	10	144	1.40	68	.129	4	2.88	.015	.27	<.1	.03	13.6	.2	<.05	9	.8
L5+00S 11+50W	.9	164.3	6.1	78	<.1	69.4	38.1	1219	5.78	25.4	.6	7.3	1.9	41	.2	.3	.1	155	1.01	.115	13	111	1.24	81	.169	3	3.66	.014	.18	.1	.02	12.3	.1	<.05	11	.6
L5+00S 11+00W	1.7	199.8	7.7	82	.1	62.3	37.2	1194	5.42	20.4	.7	12.2	1.8	77	.3	.3	.2	129	1.37	.120	13	95	.90	81	.143	2	3.93	.012	.17	.1	.02	11.8	.1	<.05	12	.8
L6+00S 12+50W	.8	193.3	8.7	70	.2	102.7	34.1	958	5.70	24.1	.6	36.5	1.9	45	.1	.5	.1	138	1.04	.103	11	110	1.26	79	.098	1	2.48	.017	.20	.1	.08	13.7	.1	<.05	8	.8
L6+00S 12+00W	.8	140.8	6.3	87	.1	84.9	33.4	1086	5.78	20.3	.6	6.5	1.7	40	.2	.4	.1	157	.99	.108	11	109	1.24	109	.140	4	2.74	.017	.23	.1	.03	13.2	.1	<.05	9	.6
L6+00S 11+50W	.6	134.3	6.2	72	.1	84.1	30.8	877	5.44	20.3	.6	4.9	1.7	39	.3	.4	.1	147	.96	.091	10	110	1.31	88	.137	4	2.66	.016	.23	.1	.03	12.6	.1	<.05	9	.5
L6+00S 11+00W	.7	125.2	7.0	75	.1	86.6	32.3	974	5.67	17.3	.6	8.3	1.7	39	.1	.4	.1	153	.88	.130	10	124	1.35	117	.155	3	3.10	.012	.21	.1	.01	13.8	.1	<.05	10	<.5
L6+50S 12+50W	.8	122.3	7.7	113	.2	79.0	32.4	1203	5.37	14.9	.4	5.8	1.5	36	.4	.4	.1	128	1.03	.097	10	99	1.08	146	.122	6	2.50	.014	.45	.1	.03	11.7	.1	<.05	8	.6
L6+50S 12+00W	.7	180.1	6.9	76	<.1	89.7	30.4	913	5.81	22.6	.6	13.8	1.6	39	.2	.4	.1	143	.94	.107	10	118	1.31	78	.125	4	2.60	.014	.25	.1	.04	13.9	.1	<.05	8	.7
L6+50S 11+50W	.7	203.1	12.2	84	.2	410.0	78.3	1025	5.46	13.4	.3	5.6	.7	25	.1	.6	.3	115	1.19	.111	6	618	3.42	72	.140	5	2.80	.013	.32	.1	.01	7.5	.4	<.05	8	.9
L6+50S 11+00W	.7	100.8	6.2	72	.2	74.2	30.8	904	5.49	14.9	.4	2.7	1.7	35	.2	.4	.1	143	1.08	.116	9	104	1.28	105	.132	9	2.77	.016	.39	.1	.03	11.8	.1	<.05	9	.9
STANDARD DS7	20.8	108.5	70.2	411	.9	56.2	9.7	631	2.41	49.6	5.0	90.0	4.4	68	6.4	5.9	4.5	86	.93	.081	11	163	1.06	378	.122	39	.97	.074	.45	3.8	.20	2.4	4.3	.23	5	3.8

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

Data V FA ___

APPENDIX 3

SOIL DATA FORMS.

GEOCHEMICAL DATA

PROJECT: HAT
GENERAL LOCATION: SHESLAY
SAMPLER: E. Osterson.
DATE: July 2006.
NTS MAP SHEET: 104J 4E

LOCATION: NTS / UTM / GRID ✓

	NORTH (SOUTH)	EAST (WEST)	Survey-type	Depth (cm)	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	2+00	10+90	Soil	20	C	Yel-BR				70	20	10		E side of Bog.
2	2+00	11+50	Soil	40	C/B	Green				50	30	20		Sandy-Buried Stream.
3	2+00	12+00	Soil	20	B	BR.				75	15	10		
4	2+00	12+50	Soil	15	B	Yel/-BR				80	20	—		
5	2+00	13+00	"	15	B	Reddish				70	20	10		
6	2+00	13+50	"	15	B	BR				70	20	10		Rocky
7	2+00	14+00	"	20-25	B	Yel/-BR				80	20	—		Clayey.
8	2+00	14+50	"	25-30	B	BR				75	20	5		Gentle Slope-Poplar clayey Soil
9	2+00	15+00		20	B	BR				70	25	5		Poplar Slope
10	2+00	15+50		20-25	B?	BR.				50	35	15		Poorly developed Soil Fine Talus

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. Yel. Yellow.
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 NW BC.
SAMPLER E. Ostensoe.
DATE July, 2006
NTS MAP SHEET 104 J 4E

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

	NORTH (SOUTH)	EAST (WEST)	Survey-type	Depth (FM)	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	2+00	16+00	Soil	15-20	B	BR				75	20	5	Volc	Gross Slope - Top of Bluffs
2	2+00	16+50	"	15	B	BLK				40	30	30	Dio Mont	Talus - Coarse Blds - Little Soil
3	2+00	17+00	"	15	B	Red BR			5	60	20	10	Dio Mont	Good Soil - Some Cu. See Notes
4	2+50	11+00	"	15	B/C	LT BR				80	10	10		Small Stream @ 11+29W
5	2+50	11+50	"	20	B/C	LT BR				80	15	5		Poplar Slope.
6	2+50	12+00	"	15	B/C	YEL BR				80	15	5		
7	2+50	12+50	"	15	B	BR				80	10	10		
8	2+50	13+00	"	15	B	DK BR				80	10	10		
9	2+50	13+50	"	20	C	Gray Green		40		20	15	25		Gravel
10	2+50	14+00	"	15	B	YEL BR.				90	5	5		

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. Yel. Yellow
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: NW BC.
SAMPLER: E. Ostenso
DATE: July 2006
NTS MAP SHEET: 104 J 4E

LOCATION: NTS / UTM / GRID ✓ (6N)

	NORTH (SOUTH)	EAST (WEST)	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	2+50	14+50	Soil	20	B	Yel BR				90	5	5		Good Soil
2	2+50	15+00	"	20	B	Yel BR		40		30	15	15		Poor Sample Round Pea Gravel
3	2+50	15+50	"	25	C/B	BR/Bl		15		10	50	25		Angular to Round talus - 30° Slope.
4	2+50	16+00	"	20	C/B	DK BR		20		50	15	15		Poor Material.
5	2+50	16+50	"	15	C	Blk BR		10		30	50	10		Poor-Trace Fines
6	2+50	17+00	"	?	B/A	Blk			5	65	20	5	Basalt?	Boulder Scree
7	3+00	11+00	"	15	B/C	Grey Blk		20		50	20	10		
8	3+00	11+50	"	15	B	LT BR								See 12+00W
9	3+00	12+00	"	20	B	LT Yel BR				80	10	10		Good Clay Till
10	3+00	12+50	"	20	B	LT BR		5		65	20	10		Good Sample.

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. Yel. Yellow
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: NWBC.
SAMPLER: E. Ostenson
DATE: July 2006
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	3+00	13+00	Soil	15	B	BR		10		65	20	5		Poplar Flat Good Sample.
2	3+00	13+50	"	15	B	BR		20		50	20	10		WET
3	3+00	14+00	"	15	B	BR				70	20	10		Good Sample.
4	3+00	14+50	"	15	B	BR/BL				60	30	10		Fair Sample.
5	3+00	15+00	"	15	A/C	BLK		25	10	15	40	10		No Soil Profile.
6	3+00	15+50	"	15	A/C	BLK BR		30	10	20	25	15		Shallow Bedrock Better
7	3+00	16+00	"	10	A/B	BLK BR		60	10		30			Poor - Steep Scree
8	3+00	16+50	"	10	A	BLK		50	10		20	20	Volc Bx	Scree - Close to Intrusive Contact. Tr Cu.
9	3+00	17+00	"	20	B	BR BLK			5	60	30	5	Basalt	Boulder Scree
10	3+00	17+50	"	20	upper C	yel BR.		20		60	15	5		Good Soil - Shallow and Rocky

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. Yel. Yellow.
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: NW BC
SAMPLER: E. Ostensoe
DATE: July, 2002
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	3+00	18+00	Soil	20	Upper C	Yellow Br.		10		50	25	15		Good Soil - Shallow and Rocky.
2	"	18+50	"	30	B/C	Yellow Br.				60	30	10		Deep Clayey Soil.
3	"	19+00	"	25	B/C	DK Br.		30		10	35	25		Gravelly w Rounded Frags.
4	"	19+50	"	20	Upper B	Yellow Br.		25		40	25	10		Gravelly.
5	"	20+00	"	25	Upper B	Br.				60	25	15		
6	"	20+50	"	30	B	DK Br.				60	30	10		Good. Upper B?
7	3+00	21+00	"	35	B	Yel/ Br.				60	25	15		Good.
8	3+50	11+00	"	20	B/C	Br/ Blk.				70	20	10		Clay!
9	3+50	11+50	"	20	B	Yel/ Br.		10		80		10		Goopy Clay w Rk.
10	3+50	12+00	"	25	B	Yel/ Br.		5		80	10	5		" " " Rk.

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. Yel. Yellow
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: Hitt
GENERAL LOCATION: NW B.C.
SAMPLER: E. Ostenson
DATE: July, 2006
NTS MAP SHEET: 104J4E

LOCATION: NTS / UTM / GRID ✓ (cm)

	NORTH (SOUTH)	EAST (WEST)	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	3+50	12+50	Soil	20	B	Red Br.		10		70	10	10		
2	3+50	13+00	"	25	B?	DK Br.		10		60	20	10		Mixed Brown and Yellow Brown.
3	3+50	13+50	"	60	B-C	Grey Yell		20		40	20	20		Very Wet. (Augel)
4	"	14+00	"	30	B/C	DK Br		10		50	20	20		Mixed B & C.
5	"	14+50	"	15	C	BLK		30		20	~~40~~	10	—	On Top of Steep Slope. *
6	"	15+00	"	15	B.	Red Br		10		60	20	10		Fla Her
7	"	15+50	"	15	B?	DK Br.				60	20	20		close to Bedrock
8	"	16+00	"	15	B	DK Yel Br.				70	20	10		Good Material Almost Flat.
9	"	16+50	"	15	A/B	AB Blk.				20	50	30		Steep Slope close to Bedrock.
10	"	17+00	"	40	C	Yel Br.			5	70	20	5		N-S. Fault?

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. Yel. Yellow.
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.
* Percentages adjusted to total 100%.

GEOCHEMICAL DATA

PROJECT: HAT
GENERAL LOCATION: NW BC.
SAMPLER: E. Ostensor
DATE: July, 2006
NTS MAP SHEET: 104J 04E

LOCATION — NTS / UTM / GRID — (CM)

	NORTH (SOUTH)	EAST (WEST)	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	3+50	17+50	Soil	20	A/B	Black		35	5	10	30	20		Poor Soil Rocky Horizon.
2	"	18+00	"	20	B?	DK Grey		40		10	25	25		Talos + Soil
3	"	18+50	"	40	B	Red Brown				40	50	10		Good Soil
4	"	19+00	"	35	B	BR				40	50	10		Good Soil
5	"	19+50	"	30	B	Yellow BR				65	20	15		Clayey - Good.
6	"	20+00	"	25	Upper B	Br				65	25	10		Fair Sample.
7	"	20+50	"	25	B	Yellow Br				70	20	10		Good Sample.
8	3+50	21+00	"	25	B	DK Br.				50	35	15		Fair Sample.
9	4+00S	11+00	"	60	B	Grey				60	30	10		under 30CM. of Black loam.
10	4+00S	11+50	"	30	B	DK Br.				40	50	10		Good Sample.

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. Yel. Yellow
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.

- All Poplar Sloto

GEOCHEMICAL DATA

PROJECT: HAT
GENERAL LOCATION: SHESLAY, NW BC
SAMPLER: E. Ostenson.
DATE: Jun/2006
NTS MAP SHEET: 104J 4E

	LOCATION NTS UTM GRID NORTH (SOUTH)	EAST (WEST)	Survey-type	Depth (cm)	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	4+00	12+00	Soil	30	B	DK BR.		5		40	45	10		Good B.
2	"	12+50	"	35	B/C	BR		10		60	20	10		Rocky
3	4+00	13+00	"	35	B	Yellow BR.		10		60	20	10		
4	4+50	11+00	"	20	B/C	Yel BR.		Rocky		10	50	40		Poor Sample Broken Bedrock.
5	4+50	11+50	"	20	B	Lite BR.		"		50	25	25		Fair Sample.
6	4+50	12+00	"	30	B?	DK BR.				50	30	20		Good Sample.
7	4+50	12+50	"	25	B?	DK BR				60	30	10		Fair, Rocky.
8	4+50	13+00	"	20	B	MED BR.				50	35	15		Fair Sample.
9	5+00	11+00	"	15	B	Yellow BR		30		30	20	20		Rocky Subcrop.
10	5+00	11+50	"	20	B	BR.		20		40	20	20		Rocky

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. Yel. Yellow
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: NW B.C.
SAMPLER: E. Ostensoe
DATE: May, 2006
NTS MAP SHEET: 104J 4E

LOCATION: NTS 104J 04E
UTM GRID

	NORTH (SOUTH)	EAST (WEST)	Survey-type	Depth (cm)	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	5+00	12+00	Soil	20	B	Br		10		50	30	10		
2	5+00	12+50	"	25	B	Yellow Br		25		50	15	10		Good Sample - On Slope to Creek.
3	5+00	13+00	"											? *
4	6+00	11+00	"	20	B	Yellow Br.				60	30	10		Good Sample Some Rocks.
5	6+00	11+50	"	25	B	Yellow Br.	Clay Soil			65	25	10		Similar to Sample @ 12+00N.
6	6+00	12+00	"	25	B	Yellow Br	Clayey Soil			65	25	10		CREEK AT 12+33W
7	6+00	12+50	"	20	B	Yellow Br.	Clay Soil			65	25	10		Good Sample.
8	6+50	11+00	"	25	B	Yellow Br.				60	25	15		
9	6+50	11+50	"	20	C?	BL?	Fine Frags.	50		10	30	10		Dry Creek at 11+45W
10	6+50	12+00	"	25	B	Dk Br.	Clay Soil			60	25	15		Good Material.
11	6+50	12+50	"	25	B	Grey Brown.				60	25	15		

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. Yel. Yellow.
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.

* Not Recorded on Field Notes

APPENDIX 4
EXPLORATION EXPENDITURES.

Hat Claims, Geochemical Survey, July 10 to July 20, 2006

Wages, 2 @ $300.00/day x 10days	$6,000.00
Analyses: 91 soil samples: Acme laboratory.	$1,615.71
Fixed-Wing Aircraft. Dease Lake-Hatchau Lake Return.	$1,708.72
Camp Costs. 2@ $60.00/day x 10	$1,200.00
Vehicle Rental.	$ 508.95
Gasoline	$ 273.70
Radiotelephone:	$ 100.00
Report:	$ 800.00
Total:	$12,207.08

T.E. Lisle, P.Eng.

E.O Ostensoe, P. Geo.