



094351

Report on the 2002 Geological and Geochemical Work on the Mill Property

Whitehorse Mining District, Yukon
NTS 105 E/02
Work performed August 16, 2002

Claims: Mill 1-20 (YC19378-19397)

For: Saturn Ventures Inc.
901-1030 Burnaby Street
Vancouver, B.C.
V6E 1N8

By: Harmen J. Keyser, P.Geol.
191 Grandview Heights
Gibsons, B.C.
V0N 1V3

October 18, 2002

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 4000.

M.B.
for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

Costs associated with this report have been
approved in the amount of \$ 4000.00
for assessment credit under Certificate of
work No. QW27597

A. S. Sauterick

Mining Recorder
Whitehorse Mining District

SUMMARY

i

Saturn Ventures Inc.'s Mill Property consists of 20 contiguous mineral claims located in the Whitehorse Mining District, Yukon. It is accessible by helicopter from Whitehorse.

The Property covers an unexplored, calc-alkalic, felsic stock related to the Jurassic Teslin Crossing Pluton. The Teslin Crossing Pluton hosts porphyry-style gold-copper mineralization and related alteration within alkalic border phase rocks at the nearby Mars Property. Distinctive aeromagnetic anomalies of similar magnitudes closely coincide with the intrusives at both the Mill and Mars Properties.

The Mill Property is at a very early reconnaissance stage of exploration. Current exploration work has consisted of geological mapping and geochemical sampling. Results of the work have not identified any mineralization or anomalous geochemistry. Based on the Property's geological suitability for hosting a porphyry style copper \pm gold deposit and its similarities to the nearby Mars gold-copper porphyry occurrence, a short program of geological mapping, prospecting, and soil geochemistry is recommended.

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INTRODUCTION

This report was prepared for Saturn Ventures Inc. Its purpose is to satisfy assessment requirements of the Yukon Quartz Mining Act through a description of exploration work completed in 2002 combined with a review of existing data.

The Mill Property is located in south-central Yukon Territory. Work completed in 2002 on the Mill Property consisted of prospecting, geological mapping, soil geochemistry (15 samples), stream sediment geochemistry (4 samples) and whole rock geochemistry (1 sample). The work was carried out by Harmen Keyser and Ron Stack on August 16, 2002.

LOCATION AND ACCESS

The Mill Property is located in south-central Yukon Territory, about 60 kilometers north of Whitehorse (Figure 1). It is situated between Lake Laberge and the Teslin River, south of its confluence with the Yukon River. The geographic coordinates of a point approximately in the center of the Property are 61° 13' north latitude and 134° 49' west longitude.

Access to the Property is by helicopter from Whitehorse. The "Livingstone Trail," a winter-only trail suitable for track-type vehicles to placer gold mining camps in the Livingstone Creek area, comes within 3 kilometers of the Property.

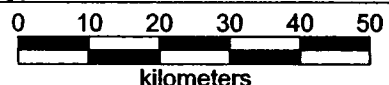
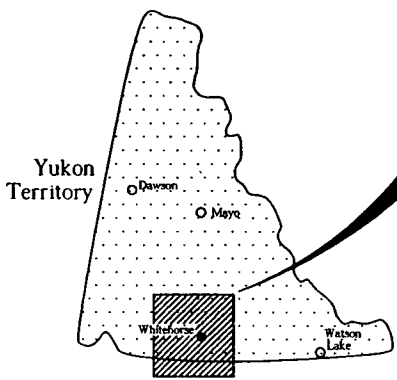
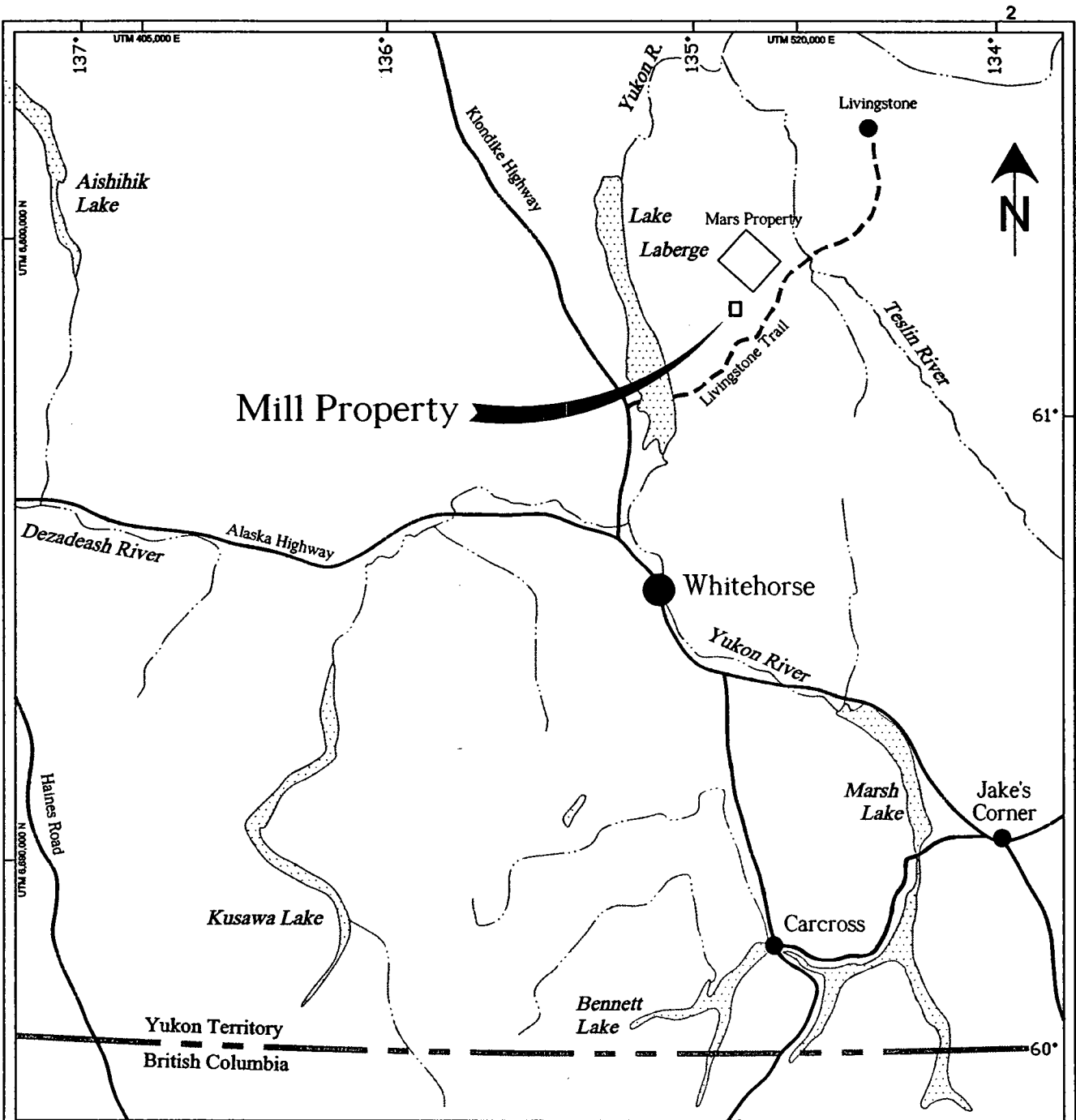
PROPERTY

The Property consists of 20 contiguous unsurveyed two-post mineral claims (Figure 2) covering approximately 418 hectares. The claims were staked in accordance with the Yukon Quartz Mining Act, and are owned 100% by Mr. Ron Stack of Whitehorse, Yukon, subject to option agreement with Saturn Ventures Inc. They are located within the Whitehorse Mining District and are shown on Northern Affairs Program Mineral Rights Map 105-E-02. No claim posts were seen, or sought, during the 2002 exploration program. Claim data, as listed with the Whitehorse Mining Recorder on 30 September, 2002, are shown below:

Claim Name	Grant No.	Recording Date	Expiry Date *
Mill 1-20	YC19378-397	Oct. 5, 2001	Oct. 5, 2002

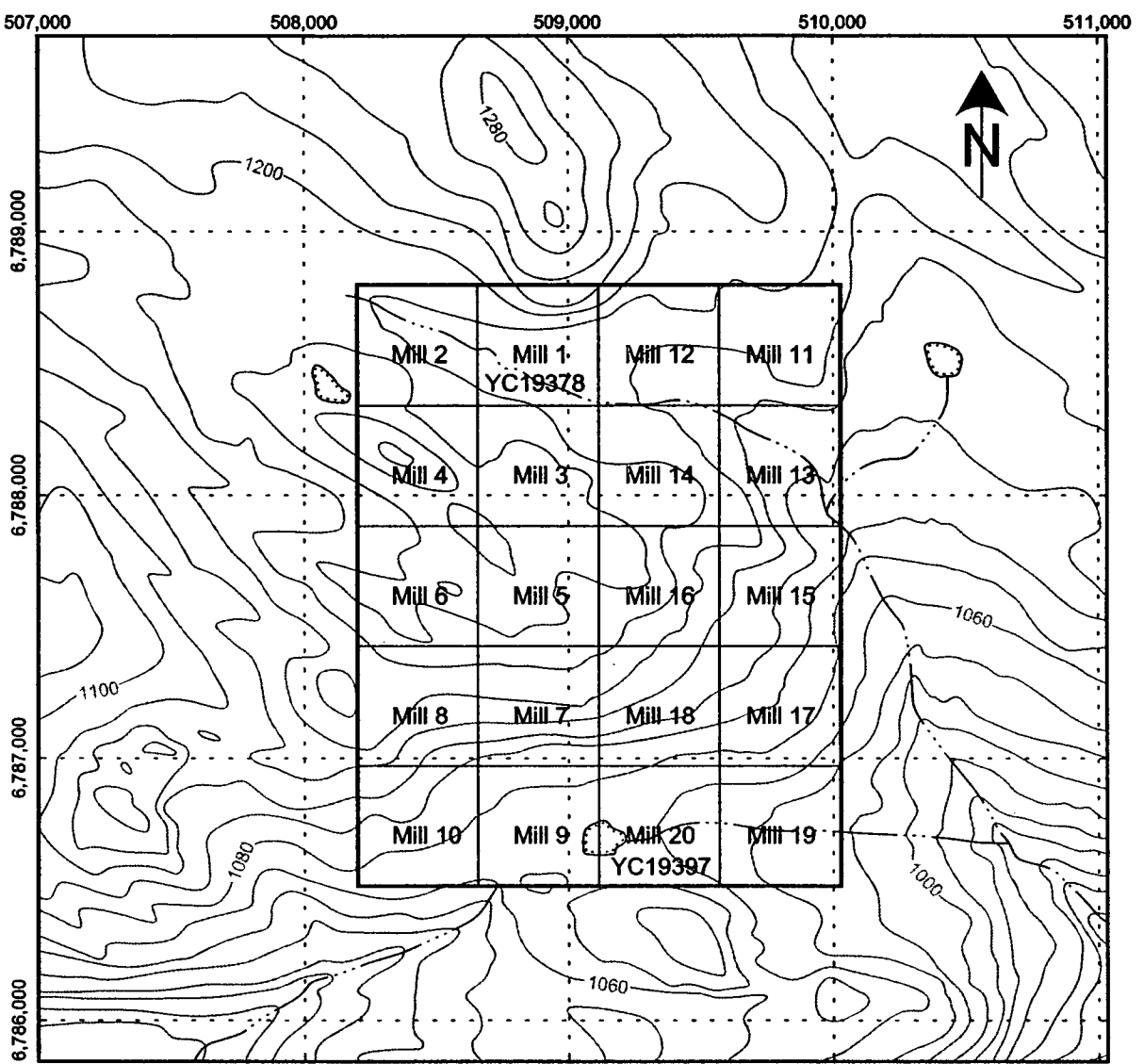
* subject to acceptance of assessment work carried out in 2002

The Mill 1-20 claims are collectively known as the Mill Property.







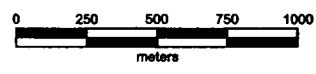
Saturn Ventures Inc.		
Mill Property		
Location Map		
NTS 105E/02	Sept 2002	
Scale 1:1,000,000	By HJK	Fig. 1

UTM Zone 8V, NAD 83 at Mars Property



LEGEND

-  Claim Boundary; approximate
-  Lake
-  Creek
-  Elevation Contour; interval 20 meters



Saturn Ventures Inc. Mill Property Whitehorse M.D., Yukon		
Claim Map		
UTM Zone 8 NAD 83 - NTS 105E/2	Oct. 2002	
Scale: 1:25,000	By HJK	Fig. 2

Note: Claim locations from DIAND Quartz Sheet 105-E-02
 All locations subject to survey.

HISTORY

Placer gold was discovered in the Livingstone Creek area, 25 kilometers to the east of the Mill Property, in the late 1800's. The Mill Property area was most likely prospected during that time, however there are no records of mineral discoveries, or of mineral exploration, on ground now covered by the Property prior to 1997.

In 1997, Camdan Exploration Inc. of Whitehorse staked and explored the ground (Ouellette, 1998), because of its slightly anomalous regional stream sediment geochemistry and its geophysical similarities to the Mars copper-gold occurrence, six kilometers to the north. Camdan carried out a short program of geochemical sampling and geological mapping, and the claims were allowed to lapse.

The ground was restaked in 2001 by Mr. Ron Stack, again because of its geophysical similarities to the Mars copper-gold occurrence, and optioned to Saturn Ventures Inc. in 2002.

CLIMATE, TOPOGRAPHY, AND VEGETATION

Climate in the area of the Mill Property is typified by warm summers and long, cold winters. Precipitation is low, about 40-60 cm annually. The Property is normally free of snow from late May to late September. Permafrost is locally present in poorly drained north-facing slopes.

The Mill Property is located within a physiographic region known as the Lewes Plateau, an area of generally moderate topography. Relief on the Property is about 220 meters, with the highest point at about 1,240 meters above sea level.

Vegetation consists of stunted but mature black spruce, willow, birch, and alder. The area was affected by Pleistocene glaciation, and glacial till is common. The last glacial movement of the McConnell ice sheet was from southeast to northwest (Klassen and Morison, 1987). There is very little (<1%) outcrop on the property. Overburden consists of glacial deposits, colluvium, and rounded to subangular bedrock fragments, and is locally rich in organics, especially at lower elevations.

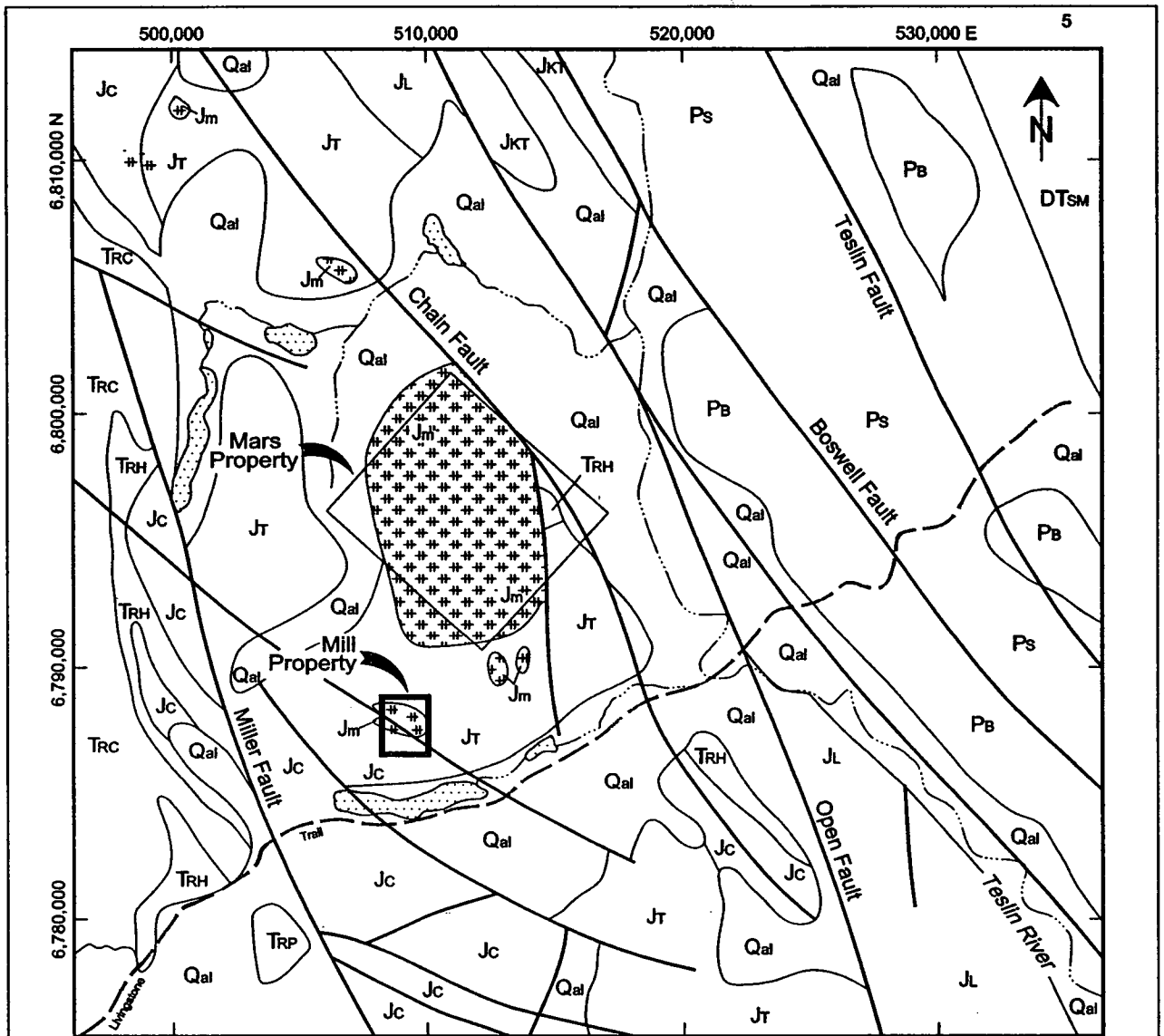
REGIONAL GEOLOGY

Much of the Canadian Cordillera is a composite of crustal fragments, or terranes, of uncertain origin which accreted to the western margin of ancient North America during the middle Jurassic. The Mill Property is located in northern Stikine Terrane (Wheeler, et al, 1991), the largest terrane in the Intermontane of the central Cordillera. At this latitude, Stikine Terrane consists of upper Triassic volcanic arc rocks and arc-derived sedimentary rocks of the Lewes River Group and middle Jurassic arc-derived sedimentary rocks of the Laberge Group (Figure 3), collectively up to seven kilometers thick (Tempelman-Kluit, 1984). Stikine Terrane is bounded to the east by Yukon Tanana Terrane along the Teslin Suture Zone (Teslin Fault) and to the west by the Coast Plutonic Complex.

The upper Triassic Lewes River Group comprises a lowermost augite porphyritic basalt sequence, unconformably overlain by a limestone member with intercalated argillite, greywacke, and mudstone with a characteristic reddish color. The Jurassic Laberge Group consists of coarse polymictic cobble and boulder conglomerate, siltstone, and argillite, and includes the Tanglefoot and Conglomerate Formations. The Tantalus Formation is dominated by conglomerate and is an overlap assemblage with minor coal seams. The regional geology has been adequately described by Bostock and Lees (1938), Tempelman-Kluit (1984), and Gordey and Makepeace (2000).

An isolated pluton, the Teslin Crossing Pluton, and associated stocks, dikes and sills, was intruded into Lewes River and Laberge Group rocks during the mid Jurassic North American accretion. This igneous event does not seem to be part of an extensive plutonic suite (Hart, 1997).

Structure of the Mill Property area is strongly influenced by multiple northwest trending, dominantly right lateral, regional strike-slip faults including the Teslin Suture Zone. The dominant trend of



LEGEND

Lithologies

QUATERNARY

Qal alluvium

UPPER JURASSIC TO CRETACEOUS

JkT Tantalus Formation: conglomerate

MIDDLE JURASSIC

Jm Teslin Crossing Stock: monzonite, syenite

LOWER TO MIDDLE JURASSIC

JL Laberge Group: undifferentiated sediments

Jt Tanglefoot Formation: arkose

Jc Conglomerate Formation: conglomerate

UPPER TRIASSIC TO JURASSIC

TRC Lewes River Group: Casca Member - shale & limestone

TRH Lewes River Group: Hancock Member - limestone

TRP Povoas Formation: volcanic breccia

DEVONIAN TO TRIASSIC

DTSM Slide Mtn. Terrane: oceanic volcanics and sediments

PENNSYLVANIAN

Ps Boswell Formation: greswacke, chert, conglomerate

Pb Boswell Formation: basalt

Symbols

- Lake
- River or Creek
- Fault; approximate
- Lithological Contact; approximate



Saturn Ventures Inc.
Mill Property
 Whitehorse M.D., Yukon

Regional Geology

UTM Zone 8 NAD 83 - NTS 105E

Sept. 2002

Scale: 1:250,000

By HJK

Fig. 3

local structures, including bedding attitudes, fabric and fractures, in both Jurassic and older strata and intrusive rocks, is northwest.

PROPERTY GEOLOGY

Geological mapping has been hampered by extensive overburden, vegetation cover, and deeply weathered bedrock.

The oldest rocks in the area of the Mill property are fissile, carbonaceous, variably limy shale and siltstone with lesser, thin, cherty sandstone, quartzite, and arkose beds. These strata are assigned by Tempelman-Kluit (1984) to the middle Jurassic Tanglefoot Formation, although Hart (1997) suggests they may be slightly older. These rocks have been identified in limited exposures at the western and southeastern parts of the Property.

In 1997, Ouellette (1998) reported exposures of a previously unmapped, multi-phase, porphyritic intrusive stock at the western part of the Mill Property (Figure 4). The rocks were described (Ouellette, 1998) as containing up to 50% subhedral, slightly calcareous, feldspathoids in a fine grained matrix of dominantly potassium feldspar.

No exposures of intrusive rocks were identified during the 2002 field work on the Mill property. However, felsenmeer and rubble in overburden at the eastern part of the property was observed to contain only weathered, leucocratic, equigranular monzonite. Potassium feldspar was not observed in hand samples. The rock is magnetic and contains ilmenite. These rocks most likely reflect a monzonite stock buried below overburden, associated with the same intrusive event that emplaced the mid Jurassic Teslin Crossing Pluton (Hart, 1996).

MINERALIZATION

There is no previous record of mineral discoveries on ground now covered by the Mill Property, and no mineralization was identified during the 2002 field work.

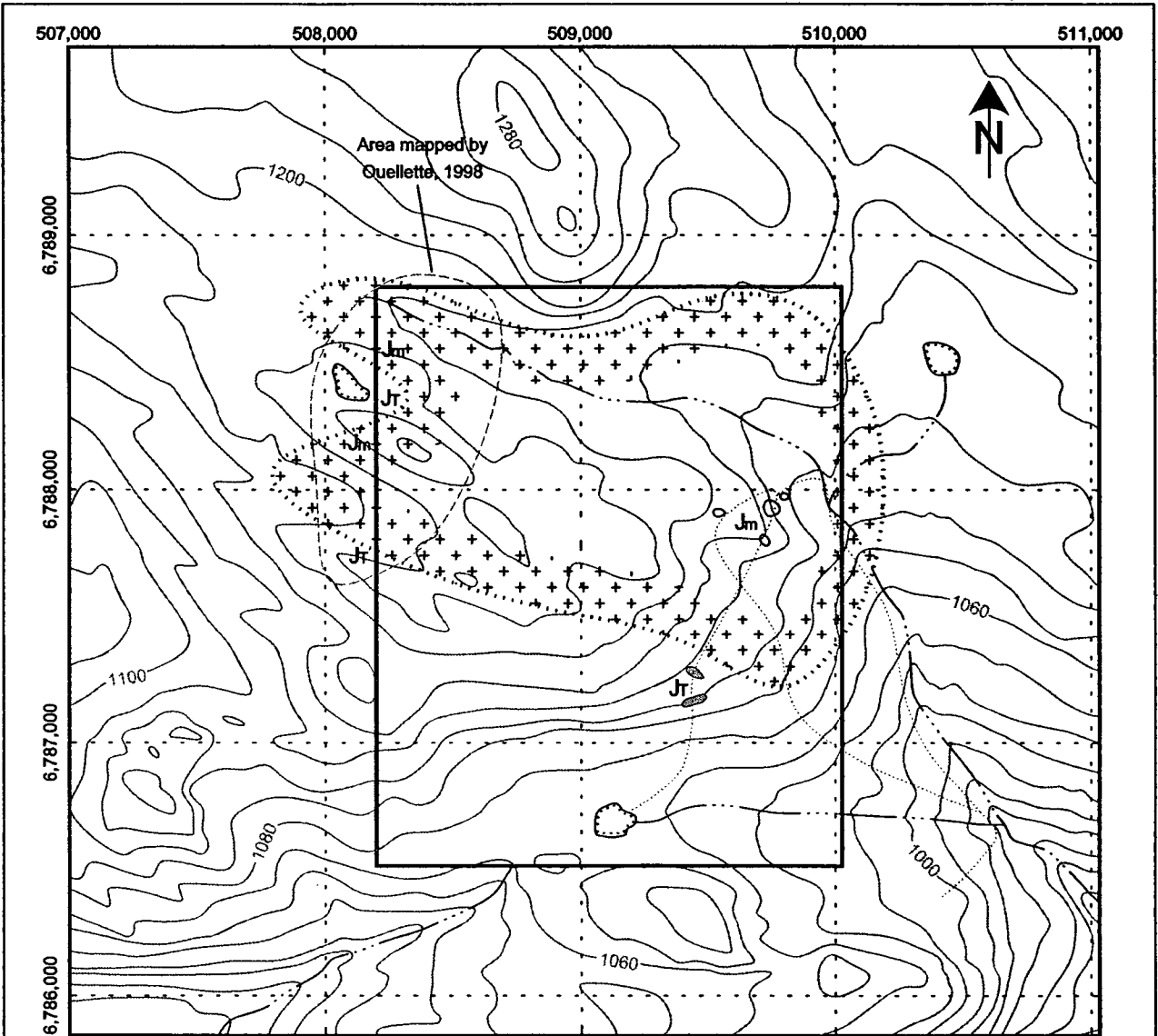
At the Mars Property, located 6 kilometers to the north of the Mill Property, Saturn Ventures Inc. controls a large land position covering a porphyry-style copper-gold occurrence hosted in alkalic intrusive rocks of the Teslin Crossing Pluton (Hart, 1996 and Keyser, 2002).

GEOPHYSICS

Intrusive rocks at the Mars Property closely coincide with a 7 x 10 kilometer positive magnetic anomaly on regional aeromagnetic mapping (GSC Map 7004G). The Mill Property covers a smaller, but equally distinctive, magnetic anomaly.







In 1997, Placer Dome North America Ltd. carried out a helicopter-borne magnetic survey over the Mars Property and surrounding area (Killin, 1997). Most of the ground now covered by the Mill Property was surveyed (Figure 5). Results of the survey show a discrete 2 x 2.5 kilometer, east-west, magnetic low. The magnetic relief is over 400 gammas (nT) with a very high magnetic gradient, especially on the north and east flanks.

Multiple geomagnetic reversals during the mid Jurassic have resulted in both positive and negative magnetic anomalies of mid Jurassic intrusive bodies in the Cordillera (C. Hart, personal communication). Therefore, different magnetic polarities at the Mill and Mars intrusives are not necessarily indicative of different intrusive ages or events.






LEGEND

Symbols

-  Claim Group Boundary; approximate
-  Lake
-  Creek
-  Limit of outcrop/subcrop
-  2002 traverse, approximate
-  Elevation contour, interval 20 meters

Lithologies

-  Teslin Crossing Stock: monzonite
-  Tanglefoot Form'n: quartzite, arkose
-  Limit of intrusive, assumed



Saturn Ventures Inc.
Mill Property
 Whitehorse M.D., Yukon

Geology

UTM Zone 8 NAD 83 - NTS 105E/2

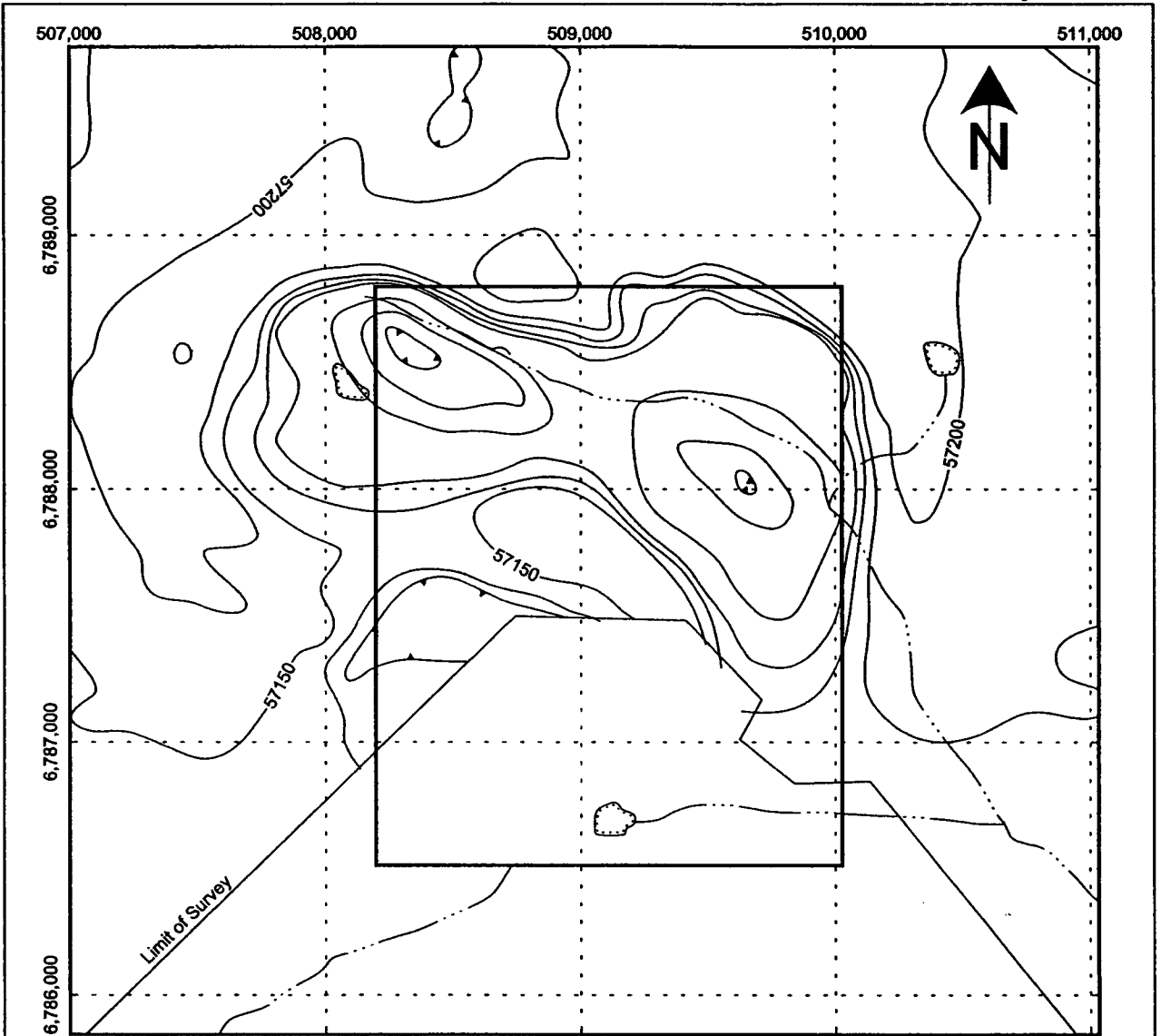
Sept. 2002

Scale: 1:25,000





By HJK

Fig. 4

Note - All locations subject to survey.



LEGEND

-  Claim Boundary; approximate
-  Lake
-  Creek
-  Aeromagnetic Contour; interval 50 nT



Saturn Ventures Inc.
Mill Property
 Whitehorse M.D., Yukon

Total Field Magnetics

UTM Zone 8 NAD 83 - NTS 105E/2

Oct. 2002

Scale: 1:25,000

By HJK

Fig. 5

Note: Aeromagnetic data modified from Killin, 1997: Aerodat Inc.
 All locations subject to survey.

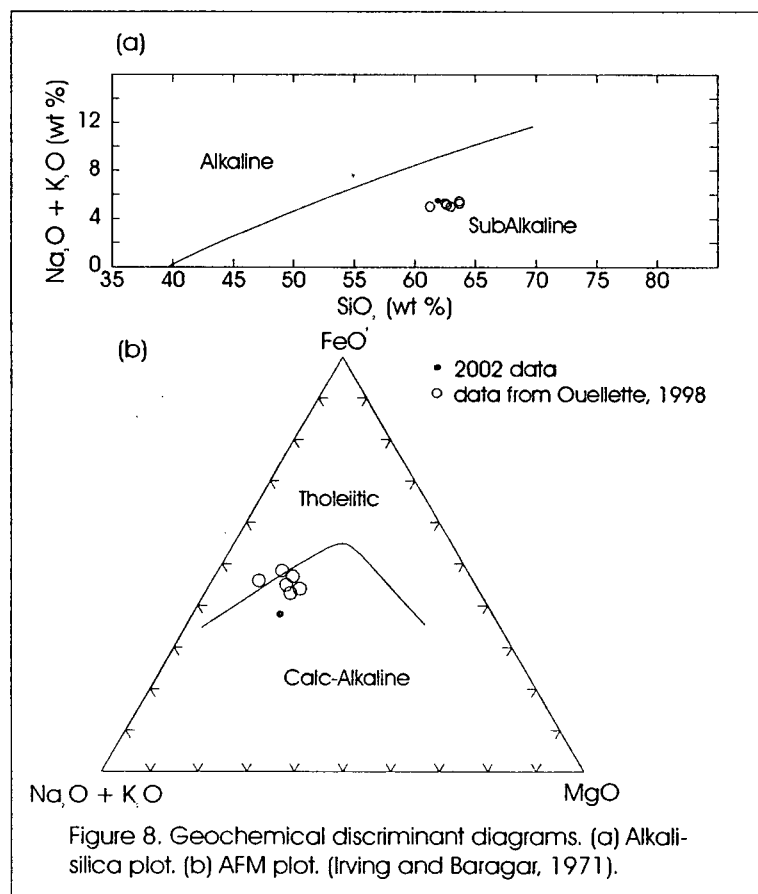
GEOCHEMISTRY

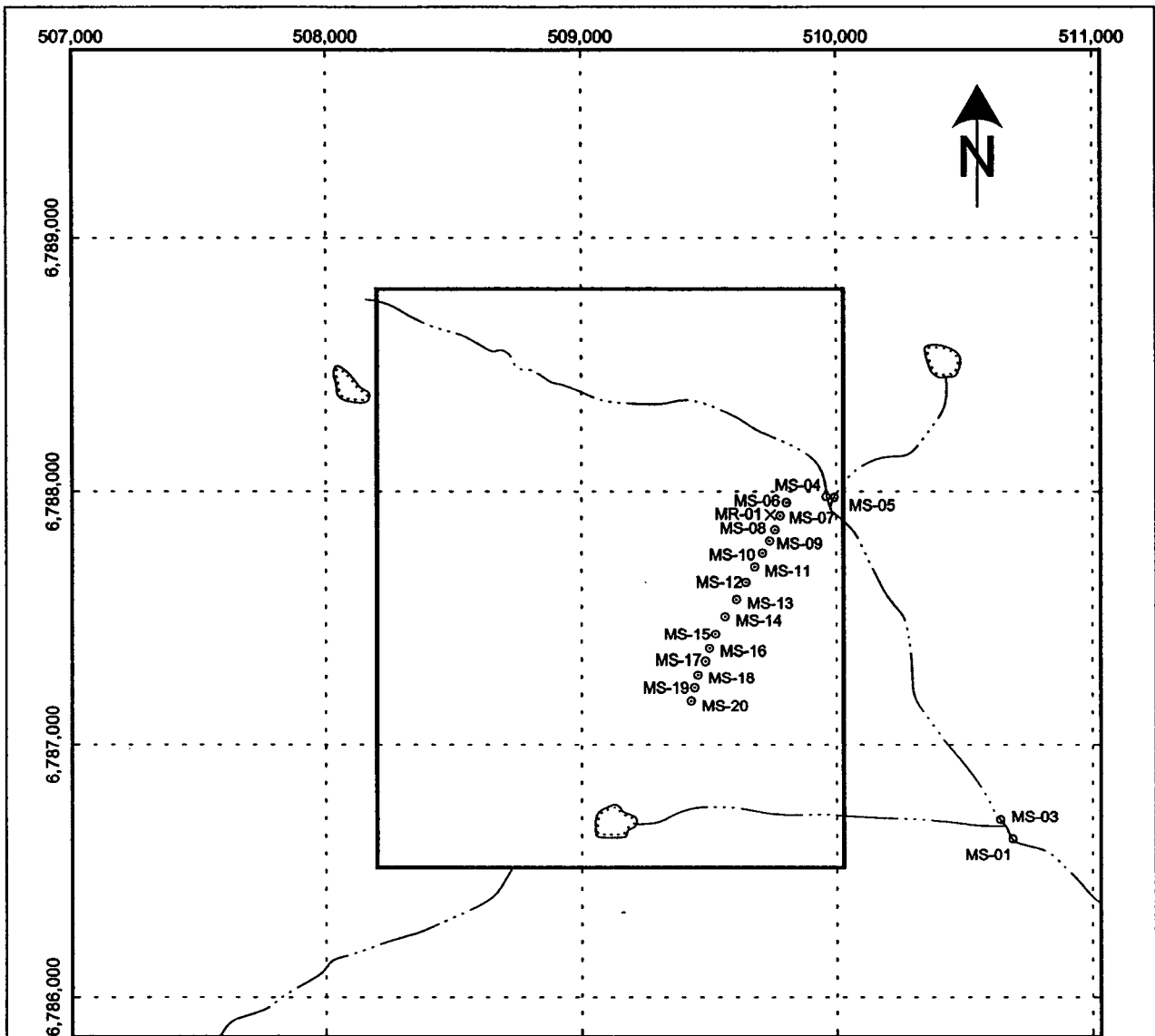
A total of 15 soil samples, 4 stream sediment samples, and 1 rock sample were collected on a reconnaissance basis on the Mill property in 2002. The soil and sediment samples were sieved to -150 mesh and analyzed for multiple elements including gold and copper by Acme Analytical Laboratories Ltd. A single rock sample was submitted for whole rock analysis.

Sample locations are shown on Figure 6, and results for gold and copper are shown on Figure 7. No anomalous results were identified. However, one soil sample (MS-10) contained 17 ppb gold, which could be considered to be elevated above normal crustal abundances.







Mineralization at the Mars property is associated with anomalous values in soil ranging from 13-485 ppb gold and 159-2,600 ppm copper (Wark, 1998). It is difficult, however, to make a direct comparison of relative geochemical values between the Mill and Mars Properties because of very different topography and overburden. The Mars Property, in areas of known mineralization, is at a higher elevation, is much steeper, has less glacially derived overburden, has thinner overburden cover, and has less vegetation.

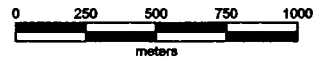
Whole rock geochemistry was undertaken on a single composite sample (MR-01) of monzonitic intrusive collected from felsenmeer on the Mill Property. Results were plotted (Figure 8) along with 1997 whole rock geochemical data (Ouellette, 1998). The 2002 rock sample was collected from the eastern part of the assumed intrusive, and the 1997 samples from the western part. Total combined alkalis (Na_2O and K_2O) relative to silica (SiO_2) indicate that the intrusive is calc-alkalic. The samples follow a calc-alkaline fractionation trend that does not indicate iron enrichment.





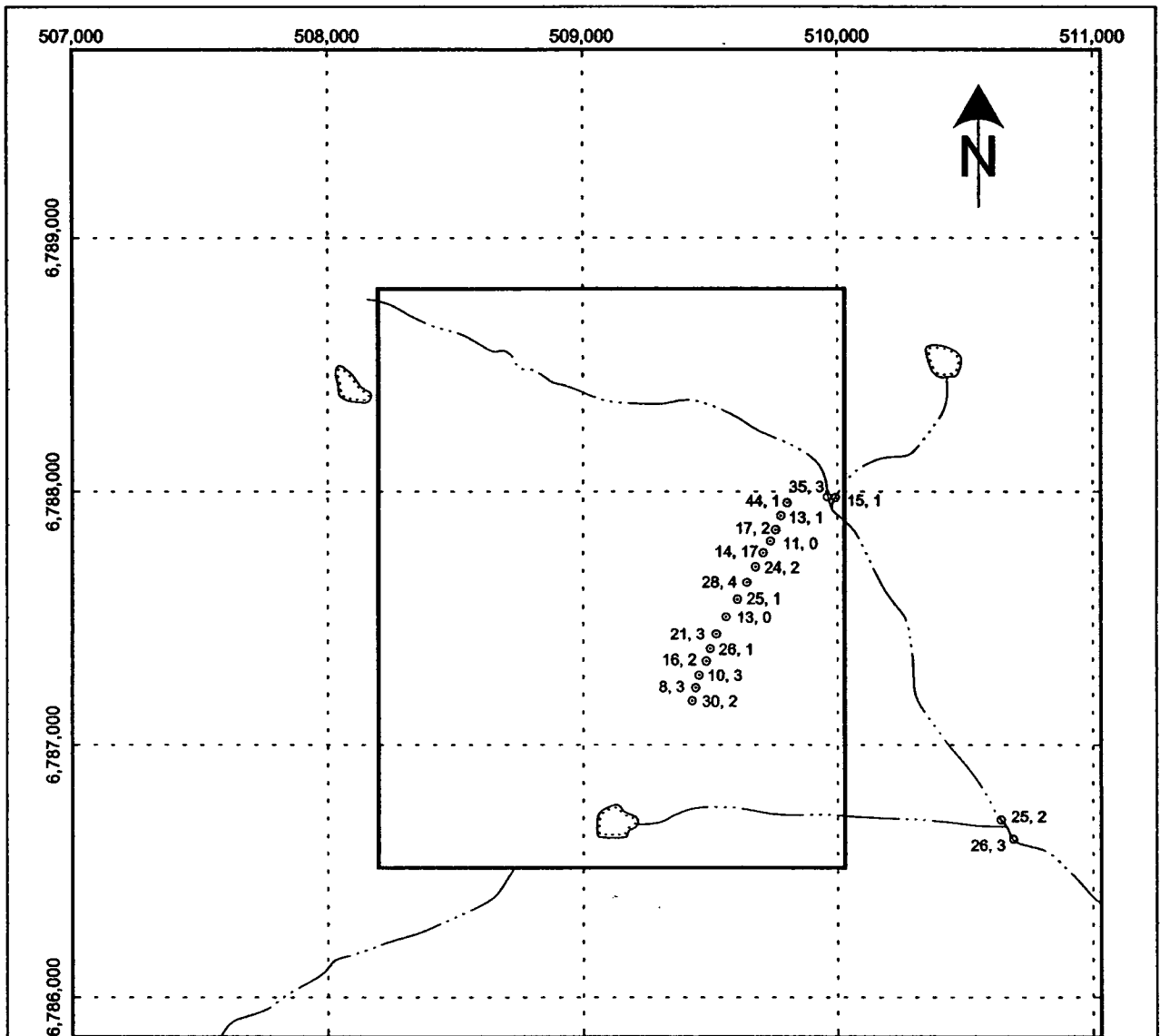
LEGEND

-  Claim Boundary; approximate
-  Lake
-  Creek
-  Rock sample location
-  Stream sediment sample location
-  Soil sample location








Note - All locations subject to survey.

Saturn Ventures Inc. Mill Property Whitehorse M.D., Yukon		
Geochemistry Sample Locations		
UTM Zone 8 NAD 83 - NTS 105E/2	Oct. 2002	
Scale: 1:25,000	By HJK	Fig. 6



LEGEND

-  Claim Boundary; approximate
-  Lake
-  Creek
-  Stream sediment sample location
-  Soil sample location
- 26, 3 Cu ppm, Au ppb



Saturn Ventures Inc. Mill Property Whitehorse M.D., Yukon		
Geochemistry Cu & Au		
UTM Zone 8 NAD 83 - NTS 105E/2	Oct. 2002	
Scale: 1:25,000	By HJK	Fig. 7

Notes - Acme Labs File No. A203227
 All locations subject to survey.

CONCLUSIONS AND RECOMMENDATIONS

The Mill Property is a copper-gold porphyry prospect. It is underlain by a mid Jurassic monzonite pluton intruding sedimentary rocks of Stikine Terrane. The Property is interpreted to be suitable for hosting a copper \pm gold porphyry deposit.

The Mill Property is covered by an almost continuous blanket of glacially derived overburden. Outcrops are rare. Exploration work carried out to date on the Mill Property has confirmed a previously unmapped felsic stock from both outcrop and subcrop. Preliminary geochemical data indicate the stock is calc-alkalic.

Intrusive rocks on the Mill property are most likely related to the mid Jurassic Teslin Crossing Pluton, which hosts multiple known zones of copper-gold porphyry style mineralization at the nearby Mars Property. Both stocks are outlined by distinctive aeromagnetic anomalies. The magnetic anomaly at the Mars Property is positive, while at Mill the anomaly is negative. The reversal in polarities can be attributed to multiple geomagnetic reversals during the mid Jurassic. Respective stocks would have been imprinted with the magnetic polarity present at time of cooling through the Curie temperature, and therefore the difference in polarities is not considered indicative of different intrusive events. At the Mill Property, the shape and gradient of the magnetic anomaly is suggestive of a pipe-like body (or possibly two or more) dipping to the southwest.

No mineralization has been identified to date on the Mill Property. Sediment and soil geochemistry completed to date have not generated any anomalous values. However, these data must be evaluated in context with extensive overburden cover and very limited work having been completed.

Based on available geological, geochemical, and geophysical data, the Mill Property is considered a suitable, but early stage, exploration target for (1) copper \pm gold porphyry mineralization and (2) polymetallic skarn mineralization. Results of exploration work warrant further examination into the property's potential for hosting mineralization. The following work is recommended:

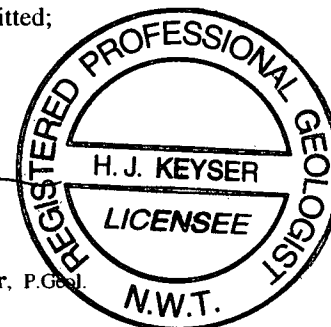
1. Carry out a program of combined geological mapping and prospecting to better define the geology of the property, and to identify potential mineralization.
2. Carry out reconnaissance soil geochemistry over, and adjacent to, the assumed location of the felsic intrusive. Due to extensive overburden, samples should be collected with an auger.

Justification for further exploration expenditures on the Mill Property is contingent on results of the above work and results of future exploration on the Mars Property.

Respectfully submitted;



Harmen J. Keyser, P.Geol.



October 18, 2002

REFERENCES

- Barr, D.A., Fox, P.E., Northcote, K.E., and Preto, V.A., 1976: The Alkaline Suite Porphyry Deposits, A Summary. In: *Porphyry Deposits of the Canadian Cordillera*, CIM Special Volume 15, p. 359-367.
- Bostock, H.S. and Lees, E.J., 1938: Laberge Map Area. Geological Survey of Canada, Memoir 217.
- Gordey, S.P. and Makepeace, A.J.: 2000: Bedrock Geology, Yukon Territory. Geological Survey of Canada Open File 3754.
- Hart, C.J.R., 1997: Geology and Geochemistry of the Teslin Crossing Pluton: A Gold-Rich Alkalic Porphyry Target. In: *Yukon Exploration and Geology, 1996*, p. 131-137.
- Irving, T.N. and Baragar, W.R.A., 1971: A guide to the chemical classification of the common volcanic rocks. *Canadian Journal of Earth Sciences*, vol. 8, p. 523-548.
- Keyser, H.J., 2002: Report on the 2001 Geochemical Work on the Mars property. Assessment report 094290 for Saturn Ventures Inc. July 9, 2002.
- Killin, K., 1997: Combined Helicopter-Borne Radiometric and Magnetic Survey, Mill Project, Yukon Territory. Private report J9783 by Aerodat Inc. for Placer Dome Canada. November 27, 1997.
- Klassen, R.W. and Morrison, S.R., 1987: Surficial Geology, Laberge, Yukon Territory, GSC Map 9-1985, scale 1:125,000.
- McMillan, W.J., 1991: Porphyry Deposits in the Canadian Cordillera. In: *Ore Deposits, Tectonics and Metallogeny in the Canadian Cordillera*. B.C. Ministry of Energy, Mines, and Petroleum Resources, Paper 1991-4.
- McMillan, W., Thompson, J.F.H., Hart, C.J.R., and Johnston, S.T., 1995: Regional Geological and Tectonic Setting of Porphyry Deposits in British Columbia and Yukon Territory. In: *Porphyry Deposits of the Northwestern Cordillera of North America*, CIM Special Volume 46, p. 40-57.
- Ouellette, D.J., 1998: 1997 Report, Geological and Geochemical Work on the Egypt Property. Assessment report 093835 by Camdan Exploration Inc., January 20, 1998.
- Sillitoe, R.H., 1993: Gold-rich Porphyry Copper Deposits: Geological Model and Exploration Implications. In: *Mineral Deposit Modeling*, Geological Association of Canada, Special Paper 40, p. 465-478.
- Tempelman-Kluit, D.J., 1984: Geology Map of Laberge and Carmacks Map Areas. Geological Survey of Canada, Open File 1101.
- Wark, J.M., 1998: Technical Report on Activities on the Mill Project. Assessment report by Placer Dome North America Ltd., 1 June, 1998.
- Wheeler, J.O., Brookfield, A.J., Gabrielse, H., Monger, J.W.H., Tipper, H.W., and Woodsworth, G.J., 1991: Terrane Map of the Canadian Cordillera. Geological Survey of Canada, Map 1713.
- Wheeler, J.O., and McFeely, P., 1991: Tectonic Assemblage Map of the Canadian Cordillera and adjacent parts of the United States of America. Geological Survey of Canada, Map 1712A.

STATEMENT OF QUALIFICATIONS

I, Harmen J. Keyser, hereby certify that:

1. I am an independent consulting geologist with residential address 191 Grandview Heights, Gibsons, British Columbia, V0N 1V3, Telephone 604 886 8821.
2. I am a graduate of Saint Mary's University, Halifax, with a degree in geology (B.Sc., 1981).
3. I have been employed as a geologist on a full-time and part-time basis continuously since 1978.
4. I am a Licensee of the Northwest Territories Association of Professional Engineers, Geologists, and Geophysicists (L1034).
5. I am the author of this report on the Mill Property, which is based on my personal examination of the Property on August 16, 2002, and on data from referenced sources.
6. I have no direct or indirect interest in the properties or securities of Saturn Ventures Inc., nor do I expect to receive any.
7. This report is to be used to satisfy assessment requirements only.



Oct. 18, 2002

Harmen J. Keyser, P.Geol.

STATEMENT OF COSTS

The following expenses were incurred as assessment credits on the Mill property in 2002:

A. Fieldwork

Harmen J. Keyser, Geologist, of Gibsons, BC Aug. 15-16, 2002; 2 days @ \$500/day:	\$ 1,000.00
Ron Stack, Prospector, of Whitehorse, Yukon Aug. 15-16, 2002; 1.5 days @ \$300/day:	450.00

B. Geochemistry

1 rock sample and 19 soil/sediment samples, multi-element analyses Acme Analytical Laboratories Ltd., Vancouver, BC:	293.35
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C. Support Costs

Helicopter Charter Heli Dynamics, Whitehorse, Yukon:	1590.00
Meals and Accommodations:	297.53
Field Supplies; flagging, sample bags, etc.:	25.00

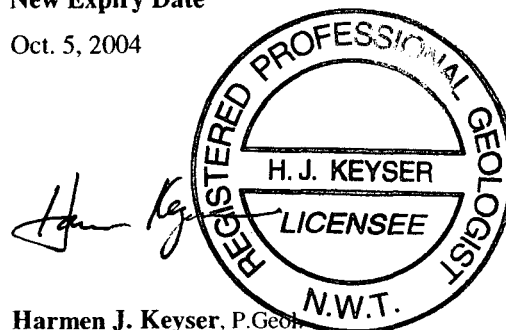
D. Report Preparation and Data Analysis

Harmen J. Keyser, Geologist, of Gibsons, BC Sept. 15, 17, 2002; 2 days @ \$500/day:	1000.00
Drafting and reprographics:	450.00

Total 2002 Assessment Valuation:	<u>\$ 5,105.88</u>
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These costs were incurred during the 2002 assessment year and are to be applied to the following claims:

Claim Name	Grant No.	New Expiry Date
Mill 1-20	YC19378-397	Oct. 5, 2004



Harmen J. Keyser, P. Geol.
October 18, 2002

Appendix

Analytical Reports



WHOLE ROCK ICP ANALYSIS



Northern Natural Resources Services PROJECT MILL File # A203228

901 - 1030 Burnaby St., Vancouver BC V6E 1N8 Submitted by: Harmen Keyser

SAMPLE#	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr	Zr	Y	Nb	Sc	LOI	TOT/C	TOT/S	SUM
	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
MR-01	61.88	16.21	4.74	2.27	4.65	4.04	1.47	.52	.16	.09	<.001	1254	<20	790	104	13	<10	9	3.6	.16	.01	99.88
STANDARD SO-17/CSB	61.53	13.80	5.83	2.34	4.67	4.11	1.42	.62	.99	.53	.436	392	36	301	369	26	22	23	3.4	2.43	5.30	99.81

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: ROCK R150 60C

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GEOCHEMICAL ANALYSIS CERTIFICATE



Northern Natural Resources Services PROJECT MILL File # A203227

901 - 1030 Burnaby St., Vancouver BC V6E 1N8 Submitted by: Harmen Keyser

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	As ppm	Au ppb	Cd ppm	Ba ppm	W ppm	Hg ppb
G-1	1.67	3.99	2.61	45.2	27	.4	1.0	.01	217.7	2.0	<5
MS-01	1.30	26.26	6.80	98.9	89	6.0	2.6	.65	144.3	<.1	45
MS-03	1.38	24.63	7.19	102.5	80	6.0	1.8	.65	142.5	<.1	42
MS-04	1.16	35.34	9.00	112.4	136	5.0	2.6	.59	118.9	<.1	52
MS-05	.45	15.13	4.92	97.7	63	3.6	1.3	.42	155.3	.2	36
MS-06	.64	43.70	3.65	102.8	22	.8	1.2	.21	278.2	<.1	13
MS-07	.80	13.18	5.02	39.0	66	3.1	.7	.17	54.4	.1	27
MS-08	1.25	16.68	6.74	62.4	77	5.1	2.1	.29	119.7	.1	12
MS-09	1.07	11.47	6.33	47.9	97	3.8	.2	.18	119.9	.1	6
MS-10	1.57	13.89	7.45	62.8	54	4.8	17.6	.25	139.8	.1	11
MS-11	.75	24.04	7.47	61.6	200	4.8	2.0	.36	214.9	<.1	26
MS-12	1.16	28.38	6.05	54.3	100	4.4	3.8	.48	157.5	.1	44
MS-13	1.37	25.31	9.19	88.5	110	4.8	1.0	.38	199.5	.2	16
MS-14	.50	13.08	2.66	50.3	137	.7	.3	.27	103.3	<.1	21
MS-15	1.09	21.09	10.70	75.4	133	7.5	2.8	.40	155.1	.2	27
RE MS-15	1.12	20.26	10.30	73.3	134	7.7	2.1	.39	154.4	.2	26
MS-16	1.08	26.14	7.01	57.8	115	4.7	1.3	.65	142.8	<.1	38
MS-17	.83	16.31	7.66	88.4	130	4.6	2.4	.28	139.4	.4	15
MS-18	.97	10.01	6.68	29.5	73	1.9	3.0	.18	55.3	<.1	16
MS-19	1.56	8.16	5.35	35.2	31	2.9	2.7	.26	48.3	.1	6
MS-20	2.47	30.44	8.55	49.5	254	4.5	1.7	1.49	146.7	<.1	28
STANDARD DS3	9.04	130.07	31.02	160.9	271	30.8	18.6	5.79	135.2	3.5	221

GROUP 1F1 - 1.00 GM SAMPLE LEACHED WITH 6 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 20 ML, ANALYSED BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SOIL S150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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