GEOLOGICAL and GEOCHEMICAL REPORT

ON THE

GENNEY & HOPEFUL #1 CLAIM GROUPS

Record Numbers 341436, 341437, 341438, 341439, 341440, 341441, 341442 & 341443

CAMBRIA ICEFIELD AREA
SKEENA MINING DIVISION
BRITISH COLUMBIA

N.T.S.: 103 P/12

LATITUDE: 55 DEGREES 41 MINUTES NORTH
LONGITUDE: 129 DEGREES 44 MINUTES WEST

for

INTERNATIONAL NORTHAIR MINES LTD.

by

ANDREW L. WILKINS P.Geo.

November, 1996

SUMMARY

The Genney and Hopeful Claim Groups are located 32 kilometers southeast of Stewart, British Columbia. The claim groups consist of 38 units and 92 units respectively for a total of 130 units and are owned by International Northair Mines Ltd.

The Genney and Hopeful Claim Groups occur on the boundary of the "Golden Triangle" of northwestern B.C. The area is host to several operating mines including the Snip, Silbak/Premier and Eskay Creek mines. Many significant discoveries occur close to the claims. Royal Oaks' Red Mountain deposit occurs 30 kilometers to the north, Camnor Resources' Willoughby deposit occurs 31 kilometers to the north-northeast. Teuton Resources and Minvita Enterprises' Cone Mountain deposit occurs 12 kilometers to the north-northwest and the old Dolly Varden and Torbrit silver mines occurs 12 kilometers to the east.

Fourteen man days were spent on the property stream sediment silt sampling, prospecting, geological mapping and rock sampling. The Genney and Hopeful Claim Groups are underlain by mostly intrusive of the Coast Plutonic Complex. The highly prospective Hazelton Group volcanics and sediments only occur in the southeast corner of the property. No significant showings have been found on the claims to date, however small quartz veins with chalcopyrite and malachite have been found. These veins yielded assays of up to 216.1 grams per tonne (6.3 ounces per ton) silver, 0.583 grams per tonne (0.017 ounces per ton) gold, 2460 ppm copper, 1025 ppm bismuth, 1130 ppm zinc, 461 ppm molybdenum and 220 ppm tungsten. No major alteration zones were discovered on the property.

Further prospecting, geological mapping and rock sampling is warranted on the southeast corner of the property.

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1.0 INTRODUCTION

1.1 LOCATION AND ACCESS

The Genney and Hopeful Claim Groups are located 32 kilometers southeast of Stewart, B.C. in the Skeena Mining Division south of the Cambria Icefield. The property is centered at 55 degrees 41 minutes north latitude and 129 degrees 44 minutes west longitude (NTS: 103P/12). The north end of Hastings Arm lies 7 kilometers to the south-southwest. Access to the property is by helicopter.

1.2 CLIMATE, TOPOGRAPHY AND VEGETATION

The climate in the vicinity of the Genney and Hopeful Claim Groups is typical of the Coast Range Mountains. Temperatures are moderate due to the proximity of the Pacific ocean and range from a minimum of -25 degrees Celsius in the winter time to a maximum of 25 degrees in the summer. Precipitation is heavy (300 centimeters annually) with most of it falling as snow in the winter and rain or snow in the summer. The exploration season lasts from June to late September.

Twenty percent of the property is covered with glacial ice. The topography of the property is rugged and steep with precipitous slopes leading away from the Kshwan River at 360 meters (1,200 feet) to high mountain ridges topping out at an elevation of 2,225 meters (7,300 feet).

Very little vegetation occurs above 1800 meters on the property. Between 1000 meters and 1800 meters, the vegetation is typical of the subalpine consisting of alpine heather and stunted alpine spruce and fir. Below 1000 meters the vegetation is very thick and consists of slide alder, devils club, blueberry bushes, spruce, fir, hemlock and cedar forests.

1.3 CLAIM STATISTICS

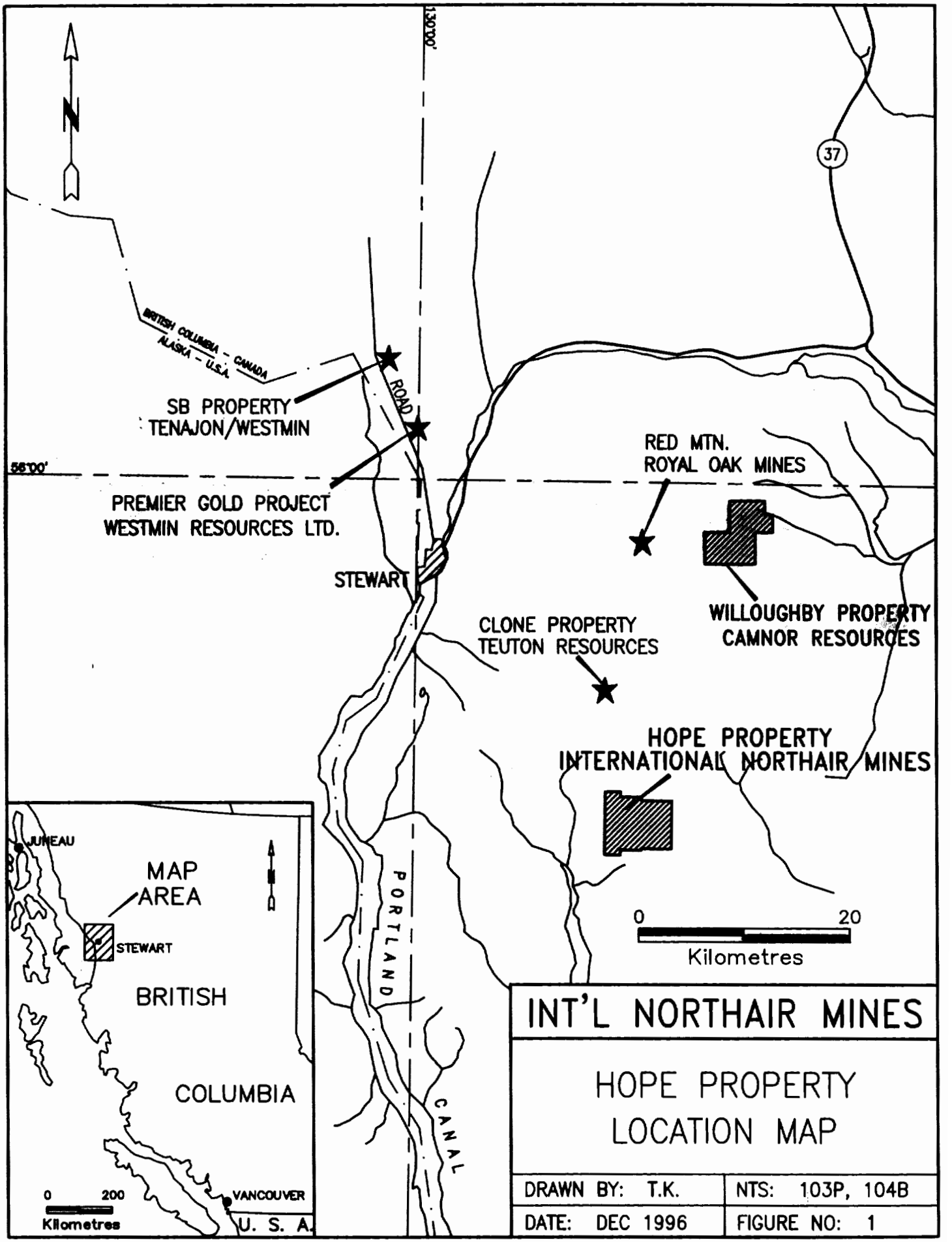
The Genney and Hopeful Claim Groups are located within the Skeena Mining Division and staked under the provisions of the British Columbian Mineral Tenure Act. The claims cover approximately 3250 hectares and are listed in table 1 below.

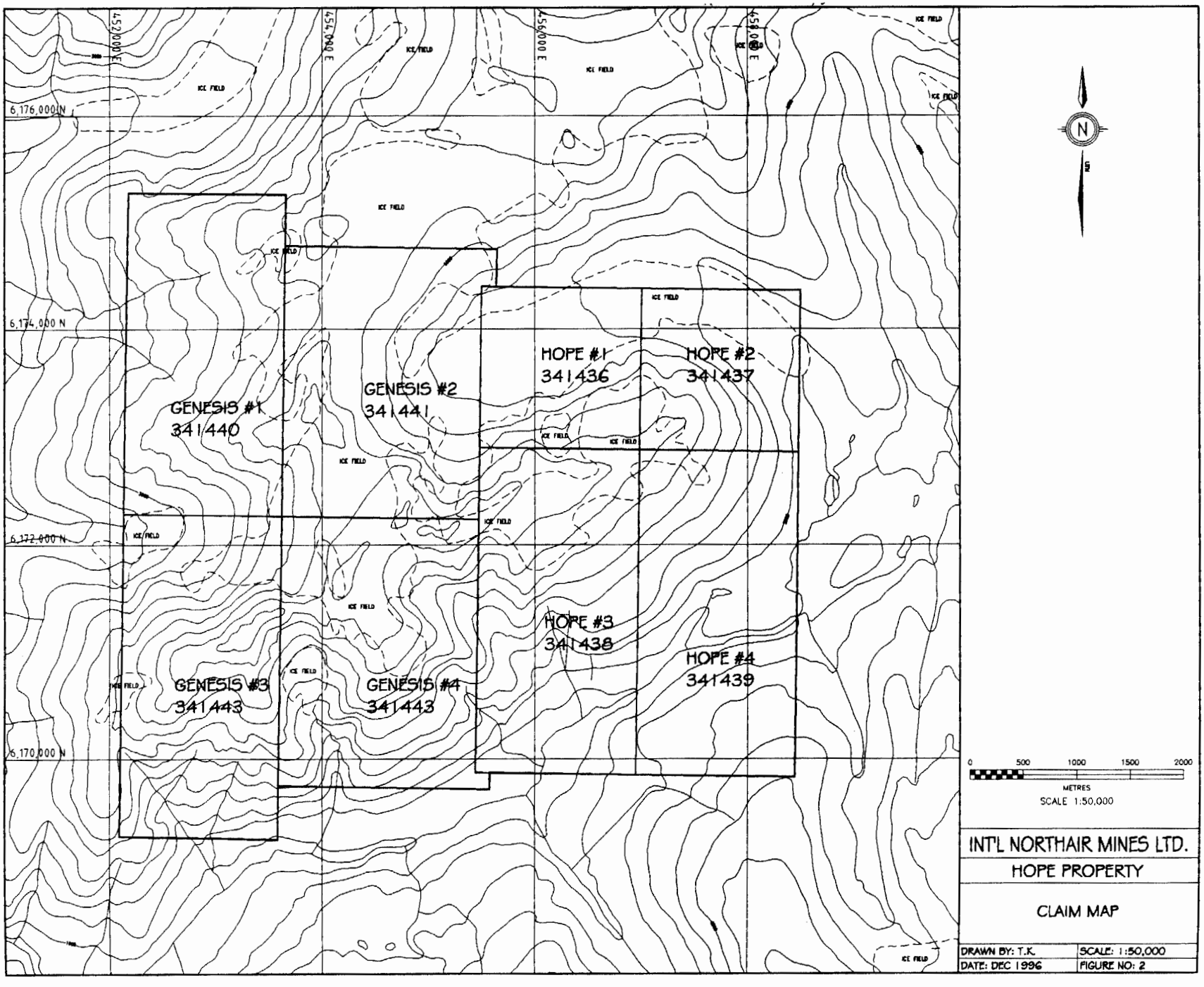
TABLE 1: CLAIM STATUS

Claim Name	Record Number	Renewal Period*	Total # of Units
Hope #1	341436	15-Oct-97	9
Hope #2	341437	15-Oct-97	9
Hope #3	341438	15-Oct-97	18
Hope #4	341439	15-Oct-97	18
Genesis #3	341442	15-Oct-97	18
Genesis #4	341443	15-Oct-97	20
Genesis #1	341440	15-Oct-97	18
Genesis #2	341441	15-Oct-97	20

* pending acceptance of this report.

The claims are owned by International Northair Mines Ltd. of Vancouver, B.C.


130°00'
37
BRITISH COLUMBIA - CANADA
ALASKA - U.S.A.
SB PROPERTY
TENAJON/WESTMIN
ROAD
56°00'
PREMIER GOLD PROJECT
WESTMIN RESOURCES LTD.
STEWART
RED MTN.
ROYAL OAK MINES
WILLOUGHBY PROPERTY
CAMNOR RESOURCES
CLONE PROPERTY
TEUTON RESOURCES
HOPE PROPERTY
INTERNATIONAL NORTHAIR MINES
PORTLAND
CANAL
0
20
Kilometres
JUNEAU
MAP
AREA
STEWART
BRITISH
COLUMBIA
VANCOUVER
U. S. A.
0
200
Kilometres
INT'L NORTHAIR MINES
HOPE PROPERTY
LOCATION MAP
DRAWN BY: T.K.
NTS: 103P, 104B
DATE: DEC 1996
FIGURE NO: 1


452,000 E
454,000 E
456,000 E
458,000 E
6,176,000 N
6,174,000 N
6,172,000 N
6,170,000 N
ICE FIELD
GENESIS #1
341440
GENESIS #2
341441
GENESIS #3
341443
GENESIS #4
341443
HOPE #1
341436
HOPE #2
341437
HOPE #3
341438
HOPE #4
341439
N
0
500
1000
1500
2000
METRES
SCALE 1:50,000
INT'L NORTHAIR MINES LTD.
HOPE PROPERTY
CLAIM MAP
DRAWN BY: T.K.
SCALE: 1:50,000
DATE: DEC 1996
FIGURE NO: 2

1.4 REGIONAL EXPLORATION HISTORY

The Genney and Hopeful Claims groups are surrounded by many past mining producers and promising exploration prospects.

Exploration in the Kitsault River area 12 kilometers to the east started in the early 1900's with the discovery of silver - lead - zinc stratabound volcanogenic deposits. In 1919, a railway was built from Alice Arm up the Valley to the Dolly Varden deposit. Between 1919 and 1921, 33,434 tonnes of ore was mined producing 42,500,000 grams (1,300,000 ounces) of silver, 3,200,000 kilograms of copper and 15,400,000 kilograms of lead. Little exploration was done between 1930 and 1946. In 1946, a road was built from Alice Arm up the Kitsault Valley. A new mill was constructed and production started in 1949. Between 1949 and 1959, 1,251,339 tonnes of ore were mined from the Torbrit deposit producing 579,400,000 grams (18,600,000 ounces) of silver and 5,000,000 kilograms (11,000,000 pounds) of lead. Reported reserves from more recent work on the Dolly Varden, Northstar, Torbrit, and Wolf deposits are 1,300,000 tonnes of ore with 441,600,000 grams (14,200,000 ounces) of contained silver (Devlin, 1987).

The Hidden Creek mine lies 28 kilometers to the south on Observatory Inlet. It was a major copper producer between 1914 and 1936 and is a stratabound massive sulphide deposit. 21,725,524 tonnes of copper ore were produced from the Number 1 to 6 ore bodies. The average grade was 1.4 percent copper, 0.17 grams per tonne gold and 9.5 grams per tonne silver. Measured recoverable reserves of 1,996,000 tonnes grading 0.9 per cent copper remain in the Number 1 to 8 orebodies. Open pit reserves for the quartz vein stockwork are defined as 45,400,000 tonnes grading 0.6 per cent copper (BC Minfile No. 103P 021).

The Georgia River property occurs 22 kilometers to the west-northwest of the claims. Mineralization occurs in quartz veins. In 1937, 454 tonnes of ore were mined, producing 10,233 grams of gold, 12,752 grams of silver and 3,312 kilograms of lead. Recent underground exploration and diamond drilling on the Southwest vein has resulted in indicated reserves of 291,239 tonnes grading 28.76 grams per tonne gold and 22.48 grams per tonne silver. The Bullion vein has unclassified reserves of 5,619 tonnes grading 4.18 grams per tonne gold and 10.28 grams per tonne silver (BC Minfile No. 103O 013).

Twelve kilometers to the north-northwest is the recent gold - cobalt discovery on the Clone property on the south margin of the Cambria Icefield. In the fall of 1995, Teuton Resources Corporation and Minvita Enterprises Ltd. reported trenching results up to 123.09 grams per tonne (3.59 ounces per ton) gold over 5.5 meters (Teuton - Minvita Company news release, October 4, 1995) and drill results of up to 63.43 grams per tonne (1.85 ounces per ton) gold over 8.0 meters (Teuton - Minvita Company news release, January 11,1996). The 1996 field season has recorded results of up to 86.37 grams per tonne (2.519 ounces per ton) gold and 0.738 per cent cobalt over 2.3 meters in trenches (Teuton - Minvita Company news release, September 20, 1996) and up to 44.33 grams per tonne (1.293 ounces per ton) gold over 2.7 meters and 8.23 grams per tonne (0.240 ounces per ton) gold and 0.131 per cent cobalt over 6.0 meters (Teuton - Minvita Company news release, October 4, 1996). Mineralization is controlled by a major structure that has been traced over a strike length of 1.5 (Teuton - Minvita Company news release, August 29, 1996).

Royal Oak's Red Mountain gold deposit is located 30 kilometers to the north. Reserves to date are around 1,000, 000 ounces of gold. Other significant deposits in the area include Camnor Resources Ltd.'s Willoughby gold property 31 kilometers to the north-northeast. Mineralization at both Red Mountain and Willoughby is structurally controlled and spatially related to Goldslide Jurassic Intrusions.

Molybdenum mineralization associated with Eocene intrusions were discovered in 1965. The Lime Creek deposit is located 30 kilometers to the southeast of the claims, 5 kilometers east of

Alice Arm. Between 1967 and 1972, a total of 9,329,669 tonnes grading 0.112 per cent molybdenum were mined. During 1981 and 1982, 1,069,548 tonnes of stockpiled ore grading 0.076 per cent molybdenum were milled (BC Minfile No. 103P 120). The Ajax deposit is located 24 kilometers to the east-southeast of the claims on Mount McGuire, and has a drill defined reserve of 1,143,000,000 tonnes grading 0.09 per cent molybdenum (Dawson & Aldrick, 1986) making it the largest undeveloped reserve of molybdenum in British Columbia.

1.5 PROPERTY EXPLORATION HISTORY

The Vimy Ridge showing is supposedly located on the north side of O'Neil Creek, 9.0 kilometers northeast of Hastings Arm on the southern border of the claims. The showing was found in 1922 and consists of a quartz breccia vein, 0.6 to 1.8 meters wide and traceable for 30 meters. The vein is heavily mineralized with galena, sphalerite, pyrite, and chalcopyrite in a gangue of quartz containing andesite and quartz diorite breccia fragments. The showing is hosted by Hazelton Group andesite (BC Minfile 103P 108).

The Carpenters Showing is supposedly located on the southeast side of O'Neil Creek, 12 kilometers northeast of Hastings Arm on the southern border of the claims. This showing was also found in 1922. An unsuccessful attempt was made to relocate the showing in 1982 and 1983. The showing consists of 3 parallel quartz veins striking 148 degrees. The veins are mineralized with pyrite and chalcopyrite. A cross vein striking diagonally to the other veins is reported to contain free gold. The veins are hosted in black argillite and siltstone of the Stuhini Group (BC Minfile 103P 109).

In the fall of 1990, an exploration program was conducted on the northwest corner of the claims on what was then called the Ton 1 - 4 claims. A total of 40 stream sediment silt samples were collected and analyzed for gold, silver, copper, lead, zinc, arsenic, antimony, molybdenum and mercury. It was concluded that the property has a low potential of hosting an economic precious or base metal deposit. No further work was recommended on the claims.

1.6 1995 WORK PROGRAM

Exploration consisted of helicopter stream sediment silt sampling, followed by prospecting, rough geological mapping and rock sampling of anomalies. One day was also spent looking for the Vimy Ridge and Carpenters showing discovered in 1922. Andrew Wilkins, Krista Nelson, Marislav Kuras and Tim Kerby did all the work on the claims. Fourteen man days were spent on the property. A total of 39 stream sediment silt samples and 13 rock samples were collected. The focus of the work was to evaluate the potential for gold deposits similar to that of the Clone and Red Mountain deposits to the north.

2. GEOLOGY

2.1 REGIONAL GEOLOGY

The most recent regional mapping in the area was completed by the Geological Survey of Canada during the summer of 1993 and 1994 (Greig et al 1994). This mapping was to the north of the claims. Mapping to the east was completed by the Ministry of Energy, Mines and Petroleum Resources in 1986 (Alldrick et al 1986). This mapping covers the eastern portion of the claims. Prior to this, the mapping that covers the property was performed by the Ministry of Energy, Mines and Petroleum Resources in 1986, (Grove, 1986).

The property lies on the contact between the Stewart Complex in the Intermontane Belt and the Coast Plutonic Complex. The Stewart Complex is composed of a broad belt of island arc volcanics and related intrusions trending north northeastward for 150 kilometers from Anyox in the south to the Iskut River in the north (Grove, 1986). The volcanics are part of the Hazelton Group and are Jurassic in age. The Stewart Complex hosts several mines including Homestake's Eskay Creek deposit and Snip deposit and Westmin's Silbak-Premier deposit. The rocks are highly prospective with numerous mineralized showings and prospects, including Royal Oak's Red Mountain deposit, Camnor's Willoughby Nunatak deposit, Newhawk's Sulphurets deposit, Teuton and Minvita's Clone deposit and the old Dolly Varden and Torbrit Mines. The Tertiary Coast Plutonic Complex consists of large batholiths of predominately quartz monzonite and granodiorite that form the core of the Coast Range Mountains up and down the coast of British Columbia and the Alaskan Panhandle. The Complex includes roof pendants of the older crustal rocks.

2.2 PROPERTY GEOLOGY

The property geology is presented in Figure 3.

Twenty percent of the property is covered with glacial ice. Sixty percent of the property consist of talus or outcrop. The remaining twenty percent of the property is covered with overburden and thick vegetation.

The majority of outcrop on the property consists of medium to coarse grained granodiorite to diorite belonging to the Coast Mountain Plutonic Complex. Some feldspar porphyry is also present. Epidote + chlorite veining is common. We have called this the Bulldog Creek Pluton based on the nomenclature from Charlie Greigs mapping to the north and the similarity to his rock descriptions. In the southeast corner of the claims, some hornfelsed siltstones and argillites were encountered. These are believed to be part of the lower Jurassic Hazelton Group. The geology is subdivided in the table of formations below, using a legend similar to Greig's (1994).

TABLE 2: TABLE OF FORMATIONS

QUATERNARY
PLEISTOCENE AND RECENT

Qal ..... Glacial drift and alluvium.

Unconformity

HAZELTON GROUP
LOWER JURASSIC

Jc .. dark gray argillite and siltstone, hornfelsed.

Intrusive Contact

COAST MOUNTAIN PLUTONIC COMPLEX
LOWER JURASSIC

BULL DOG CREEK PLUTON
JBG .. medium to coarse grained, equilgranular, granodiorite or diorite, some porphyritic diorite, epidote and chlorite alteration and veining common.

EOCENE
KSHWAN GLACIER PLUTON
TKG .. coarse grained, equilgranular, hornblende, biotite granodiorite.

3. GEOCHEMISTRY

3.1 INTRODUCTION

Stream sediment silt samples were collected from most of the small creeks draining the property. Rock samples were collected from any interesting alteration or mineralization. A total of 49 stream sediment silt samples and 13 rock samples were collected.

Sample locations are presented in Figure 4. Rock sample descriptions are presented in Appendix 1. Geochemical analysis are presented in Appendix 2.

3.2 SAMPLE PREPARATION AND ANALYTICAL PROCEDURE

Rock samples were collected in plastic bags and sent to the Westmin Assay lab in Stewart, B.C. Samples were then crushed down to 3/16 of an inch, and then a 1/2 pound of the sample is pulverized to minus 100 mesh. Gold was analyzed from a 10 gram fraction by the conventional Atomic Absorption (AA) technique. The pulps were then sent to Chemex Labs in North Vancouver. Silt samples were collected in plastic bags and sent to Chemex Labs in North Vancouver. At Chemex, silt samples were oven dried at approximately 60 degrees Celsius and sieved to minus 80 mesh. A 0.5 gram sample of the minus 80 fraction of all samples was digested in hot, dilute aqua regia in a boiling water bath and then diluted to 10 millilitres with distilled water. Samples were analysed for a group of 32 elements using the Induced Coupled Plasma (ICP) technique. In addition, gold was analysed from a 10 gram fraction by the conventional Atomic Absorption (AA) technique. Any rock samples greater than 100 ppm silver and/or 10,000 ppm copper, lead, zinc and/or arsenic were assayed for the respective element by conventional assay techniques.

3.3 STREAM SEDIMENT SILT GEOCHEMISTRY

Stream sediment geochemistry results were compared with the results from the Regional Geochemistry Survey conducted in 1978 by the British Columbia Geological Survey. Samples greater than the 95th percentile were considered anomalous for gold, silver, copper, lead, zinc and arsenic. Anomalous thresholds are outlined in table 3.

Creeks in the southeast corner of the claims are commonly anomalous in silver and lead, less commonly in gold, and occasionally in copper and zinc. Values of up to 520 ppb gold, 27.2 ppm silver, 2280 ppm copper, 898 lead ppm, 173 ppm molybdenum and 402 ppm zinc occur in this area.

Three creeks in the northwest corner of the claims are anomalous in gold (up to 150 ppb gold), however silt samples taken upstream of two of these creeks are not anomalous. The anomalies are possibly coming from the lower elevations off the property.

TABLE 3: THRESHOLD VALUES FOR ANOMALOUS STREAM SEDIMENT SAMPLES

Element	Anomalous Values
Gold	≥ 29 ppb
Silver	≥ 0.5 ppm
Copper	≥ 91 ppm
Lead	≥ 23 ppm
Zinc	≥ 221 ppm
Molybdenum	≥ 5 ppm
Arsenic	≥ 67 ppm

Some weak gold, silver, lead and zinc anomalies occur in the southwest corner of the claims.

3.4 ALTERATION, MINERALIZATION AND ROCK GEOCHEMISTRY

Mineralization was found in three locations in the southeastern portion of the claims and was generally associated with more dioritic phases of the intrusions. Mineralization consisted of chalcopyrite + malachite and was found in quartz veins up to 10 centimeters wide with clots of chlorite + epidote. No major alteration zones that could be associated with economic mineralization were identified on the property. The Carpenters and Vimy Ridge Showings were not found.

Sample 331520 yielded values of 216.1 grams per tonne (6.3 ounces per ton) silver, 0.583 grams per tonne (0.017 ounces per ton) gold, 1915 ppm copper and 422 ppm bismuth.

Sample 331053 yielded 18.4 ppm silver, 1025 ppm bismuth, 2170 ppm copper, 461 ppm molybdenum and 220 ppm tungsten.

Other samples have yielded up to 68 ppm silver, 0.515 grams per tonne gold, 2460 ppm copper and 1130 ppm zinc.

4. CONCLUSIONS AND RECOMMENDATIONS

The majority of outcrop on the Genney and Hopeful Claim Groups consists of medium to coarse grained granodiorite to diorite belonging to the Coast Mountain Plutonic Complex. The highly prospective Hazelton Group volcanics and sediments only occur in the southeast corner of the property. No significant showings have been found on the claims to date, however small quartz veins with chalcopyrite and malachite have been found. These veins yielded assays of up to 216.1 grams per tonne (6.3 ounces per ton) silver, 0.583 grams per tonne (0.017 ounces per ton) gold, 2460 ppm copper, 1025 ppm bismuth, 1130 ppm zinc, 461 ppm molybdenum and 220 ppm tungsten. No major alteration zones were discovered on the property.

A follow up program consisting of more prospecting, rock sampling and geological mapping is recommended on the southeast corner of the property only.

5. REFERENCES

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6. STATEMENT OF EXPENDITURES

Salaries			
	Project Geologist	4 days @ $375.00 per day	$1,500.00
	Geologist	5 days @ $275.00 per day	$1,375.00
	Prospectors	5 days @ $225.00 per day	$1,125.00
Helicopter		7 hours @ $750.00 per hour	$5,400.00
Geochemistry			
		39 samples @ $15.35 per sample	$598.65
		13 samples @ $16.00 per sample	$208.00
Room and Board		14 days @ $80.00 per day	$1,400.00
Truck Rental		5 days @ 80.00 per day	$400.00
Report Writing / Drafting			$800.00
SubTotal			$12,806.65
Management Fees (10%)			$1,280.67
Total			$14,087.32

7. STATEMENT OF QUALIFICATIONS

I, Andrew L. Wilkins, of PO Box 629, Pemberton, BC, certify that:

1) I am a graduate of the University of British Columbia with a Bachelor of Science degree in the Geological Sciences (1981).

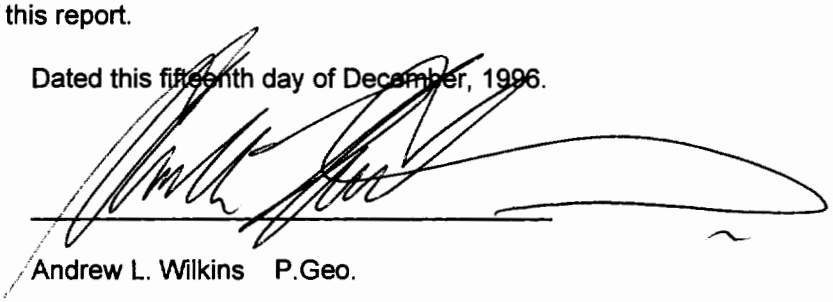
2) I have been engaged in the mining exploration industry in British Columbia and the Yukon since 1978.

3) I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

4) I performed most of the work on the Genney and Hopeful Claim Groups in the summer of 1996.

5) I am the author of this report.

Dated this fifteenth day of December, 1996.



Andrew L. Wilkins P.Geo.

APPENDIX 1: ROCK SAMPLE DESCRIPTIONS

International Northair Mines Ltd.
Rock Sample Descriptions - Hope Property

Date	Sample No.	Sampler	Sample Type	Eastings	Northings	Rock Type	Alteration	Mineralization	Sample Description	Au g/ton opt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Other
July 20	331053	ALW	grab	456097	6170652	diorite		1% chalcopyrite in sheeted veins, 1 to 5 mm. in size	dark gray, medium coarse grained, equilgranular, biotite diorite.	0.03 0.001	18.4	2170	68	28	<2	Mo=461 W=220 (ppm)
Aug. 26	331512	ALW	grab	456577	6171905	diorite	quartz veining up to10 cm wide with clots of chlorite	minor chalcopyrite + malachite	medium green, medium grained diorite with sheeted 1 cm wide quartz veins with occasional 10 cm wide vein, 4 veins per metre, veins are vuggy with massive to subhedral white quartz, epidote, chlorite and magnetite.	0.03 0.001	68.0	2130	288	204	146	
Aug. 26	331513	KN	grab	457807	6172488	bedded siltstone	quartz veinlets + pyrite	5% finely disseminated pyrite and blebs + 1% chalcopyrite + minor malachite	medium brownish-orange iron stained, silicified, bedded, dark grey siltstone with a 1m wide zone of quartz veinlets (0.5-2 cm thick)	0.31 0.009	4.4	2460	6	64	10	
Aug. 26	331514	KN	grab	457854	6172678	bedded siltstone and sandstone	brecciated quartz veining + pyrite	5% finely disseminated pyrite + minor sphalerite?	bright brownish-orange iron stained and purple manganese stained, bedded (073/26), dark grey siltstone with medium grey fine sandstone on mm to 10cm scale. Brecciated quartz veining over 2m width.	0.14 0.004	9.6	677	82	106	34	
Aug. 26	331516	KN	grab	457904	6172904	bedded siltstone and sandstone	pyrite	5% finely disseminated pyrite	bright brownish-orange iron stained and purple manganese stained, bedded (290/38), dark grey siltstone with medium grey fine sandstone on mm to 10cm scale.	0.51 0.015	0.8	67	34	130	10	
Aug. 26	331517	KN	grab	457886	6173443	bedded siltstone and sandstone	pyrite	<5% finely disseminated pyrite	bright brownish-orange iron stained and purple manganese stained, bedded (290/38), dark grey siltstone with medium grey fine sandstone on mm to 10cm scale.	0.07 0.002	0.6	128	46	510	4	
Aug. 26	331518	KN	grab	457869	6173450	bedded siltstone and sandstone	quartz vein + pyrite	5% finely disseminated pyrite + medium pyrite crystals	bright brownish-orange iron stained and purple manganese stained, bedded (290/38), dark grey siltstone with medium grey fine sandstone on mm to 10cm scale.	0.03 0.001	0.2	66	22	118	10	
Aug. 26	331519	KN	grab	457805	6173467	bedded siltstone and sandstone	pyrite	<5% finely disseminated pyrite	bright brownish-orange iron stained and purple manganese stained, bedded (290/38), dark grey siltstone with medium grey fine sandstone on mm to 10cm scale.	0.10 0.003	0.4	83	18	94	8	

Aug. 26	331520	ALW	grab	456585	6171874	diorite	quartz veining up to10 cm wide with clots of chlorite	minor chalcopyrite + malachite	medium green, medium grained diorite with sheeted 1 cm wide quartz veins with occasional 10 cm wide vein, 4 veins per metre, veins are vuggy with massive to subhedral white quartz, epidote, chlorite and magnetite.	0.58 0.017	6.3 opt	1915	166	50	64	
Aug. 27	331522	KN	grab	454038	6174643	hbl-bio granodiorite	quartz-epidote veins + pyrite + chlorite	<5% malachite and azurite + <5% finely disseminated pyrite + 5-10% garnet? in vein	coarse grained hbl-bio granodiorite with quartz-epidote-iron stained veins with chlorite altered, cooked country(?) rock fragments	0.17 0.005	1.4	1020	<2	84	<2	
Aug. 27	331604	ALW	float	452483	6173440	granodiorite	pervaissive epidote + chlorite + pyrite	up to 10% pyrite in blebs	gossanous boulder	0.07 0.002	1.4	215	20	90	4	
Aug. 27	331606	ALW	grab	453426	6173067	granodiorite - xenolith contact	epidote + quartz veining and alteration		greenish gray, sheeted veins	0.07 0.002	1.8	72	72	1130	274	
Aug. 27	331607	ALW	grab	453870	6173224	granodiorite	epidote, minor quartz + chlorite veining	minor pyrite	gossanous	0.14 0.004	0.4	15	10	98	2	

APPENDIX 2: ANALYTICAL RESULTS

Silt Samples*

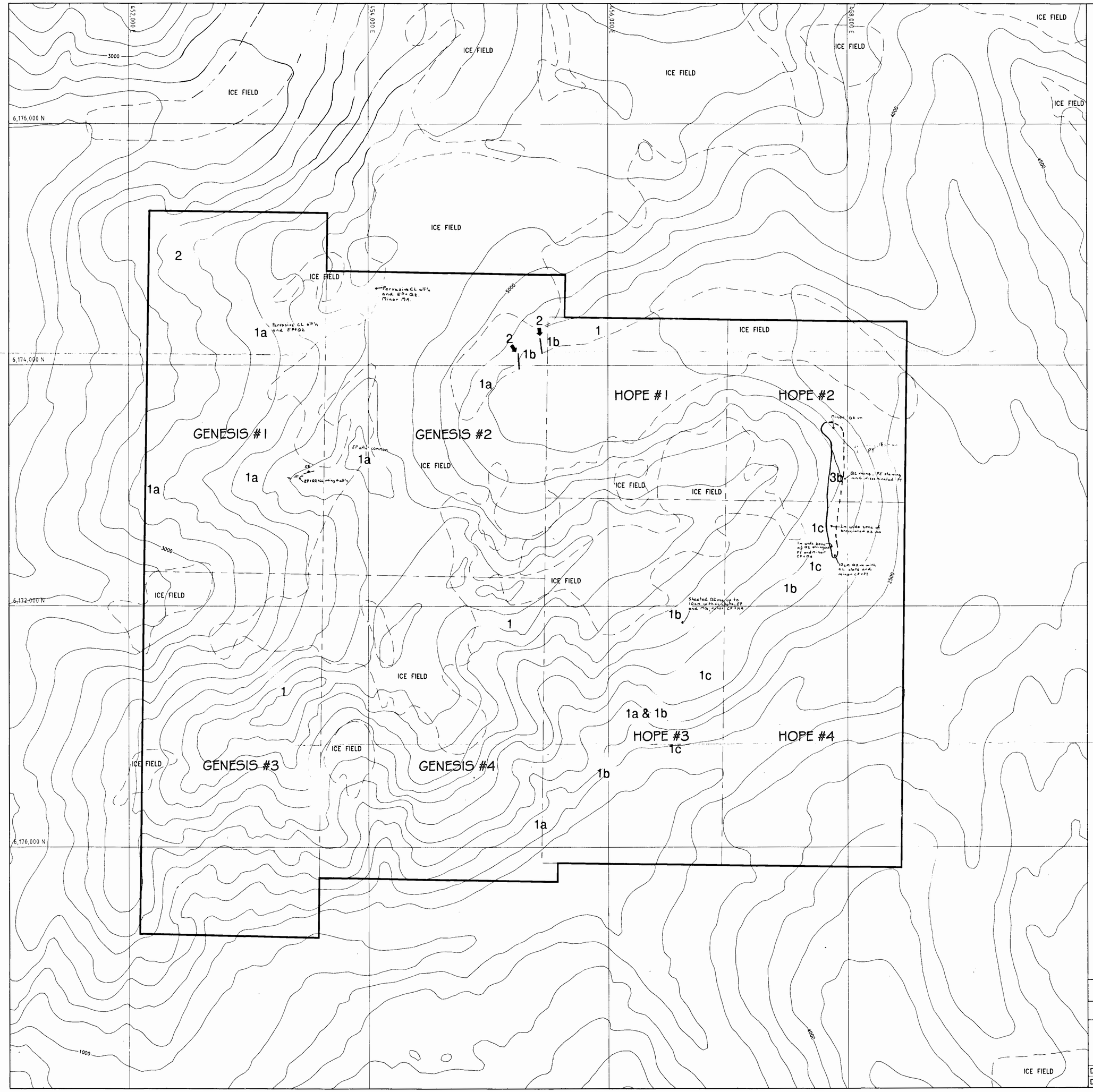
	998	983	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2150	2130	2131	2132	2151	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149
SAMPLE NUMBER	Au oz/T	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
331008	<.001	<10	<.2	2.76	4	80	<.5	<2	1.41	<.5	11	6	21	4.02	<10	1	0.34	<10	1.42	790	<1	0.06	3	1140	14	<2	5	89	0.16	<10	<10	103	<10	74
331009	<.001	20	0.2	2.11	14	90	<.5	<2	1.09	<.5	10	7	25	4.65	<10	<1	0.32	<10	1.07	580	<1	0.07	6	1080	16	<2	4	57	0.12	<10	<10	127	<10	80
331010	<.001	<10	<.2	0.46	2	60	<.5	<2	0.50	<.5	3	7	5	2.28	<10	<1	0.08	<10	0.24	160	<1	0.01	<1	900	8	<2	1	18	0.03	<10	<10	63	<10	18
331011	0.001	40	0.2	2.60	12	160	<.5	<2	0.53	<.5	10	11	35	4.39	<10	1	0.38	<10	1.01	645	<1	0.02	4	920	20	<2	5	28	0.15	<10	<10	120	<10	76
331022	<.001	<10	0.2	1.54	8	160	<.5	<2	0.65	<.5	11	42	22	3.54	<10	1	0.36	<10	1.16	515	<1	0.04	57	1050	18	<2	3	30	0.10	<10	<10	93	<10	60
331027	not/ss	not/ss	<.2	2.33	2	210	<.5	<2	0.69	<.5	13	7	18	4.02	10	<1	0.26	<10	1.71	975	1	<.01	5	860	14	<2	4	46	0.15	<10	<10	94	<10	100
331028	0.015	520	0.8	2.73	18	400	<.5	2	0.58	1.5	16	23	62	4.66	10	<1	0.13	<10	1.73	1420	2	<.01	22	1040	46	<2	4	31	0.13	<10	<10	85	<10	208
331029	0.001	40	0.6	2.17	6	550	<.5	2	0.77	0.5	14	6	63	4.13	10	<1	0.10	<10	1.54	1540	1	<.01	4	1020	22	<2	4	45	0.12	<10	<10	69	<10	110
331030	<.001	<10	0.4	2.06	<2	80	<.5	<2	0.91	0.5	11	5	27	3.55	10	<1	0.30	<10	1.23	820	1	0.01	2	1010	22	<2	4	72	0.16	<10	<10	93	<10	118
331031	<.001	<10	0.2	2.74	<2	230	<.5	<2	1.10	2.0	15	22	40	4.33	10	<1	0.54	<10	1.88	1260	2	0.01	17	1480	44	<2	5	98	0.19	<10	<10	100	<10	222
331032	<.001	<10	0.4	2.09	<2	80	<.5	2	1.02	0.5	11	12	31	3.71	10	<1	0.30	<10	1.44	810	1	0.03	8	1260	22	<2	4	77	0.16	<10	<10	90	<10	126
331033	<.001	<10	0.2	2.79	<2	280	<.5	2	1.08	2.5	14	17	48	4.08	10	<1	0.54	<10	1.82	1250	3	0.01	10	1190	64	<2	5	123	0.18	<10	<10	83	<10	304
331034	<.001	<10	<.2	2.20	<2	240	<.5	<2	0.92	0.5	12	15	28	3.63	10	<1	0.47	<10	1.62	845	1	0.01	10	1320	28	<2	4	81	0.17	<10	<10	78	<10	118
331039	0.001	40	<.2	1.69	2	80	<.5	8	1.00	<.5	9	10	17	4.77	<10	<1	0.20	<10	0.80	490	1	0.05	3	1110	6	<2	4	62	0.12	<10	<10	149	<10	54
331040	0.004	150	0.4	1.42	<2	110	<.5	2	0.57	<.5	8	12	23	3.49	10	<1	0.25	<10	0.87	500	1	0.01	5	1000	18	<2	3	35	0.12	<10	<10	97	<10	78
331047	0.002	60	<.2	1.83	<2	90	<.5	<2	0.95	0.5	10	6	25	3.26	10	<1	0.28	<10	1.14	650	1	0.01	3	1300	14	<2	4	67	0.13	<10	<10	80	<10	90
331048	0.001	40	<.2	2.44	8	170	<.5	8	0.73	0.5	11	6	21	3.87	10	<1	0.48	<10	1.43	840	1	0.01	4	1080	16	<2	4	52	0.17	<10	<10	95	<10	116
331049	0.002	60	0.4	2.37	2	150	<.5	2	0.78	0.5	12	11	27	3.97	10	<1	0.57	<10	1.51	955	2	<.01	5	1080	20	<2	5	56	0.17	<10	<10	90	<10	112
331050	0.001	50	<.2	2.37	<2	130	<.5	2	0.88	0.5	12	12	25	3.88	10	<1	0.45	<10	1.46	990	4	<.01	6	1370	54	<2	4	64	0.17	<10	<10	86	<10	120
331051	<.001	30	0.4	2.62	2	110	0.5	<2	1.13	1.0	13	5	29	3.98	10	<1	0.22	<10	1.37	1195	2	<.01	2	870	22	<2	5	84	0.17	<10	<10	105	<10	144
331052	<.001	30	0.8	2.37	2	190	<.5	2	0.90	0.5	13	6	36	4.19	10	<1	0.25	<10	1.38	1115	1	<.01	3	1190	26	<2	5	74	0.17	<10	<10	102	<10	116
331054	<.001	<10	3.6	2.43	2	90	<.5	2	1.15	1.0	12	5	35	3.89	10	<1	0.35	<10	1.41	1090	1	0.02	3	1250	24	<2	4	85	0.18	<10	<10	94	<10	140
331055	<.001	<10	0.2	3.02	4	180	0.5	2	1.43	2.0	14	9	56	3.77	10	<1	0.41	<10	1.27	1320	1	0.03	4	1270	28	<2	4	104	0.16	<10	<10	90	<10	170
331502	N/A	<5	0.8	2.40	<2	400	<.5	6	0.69	0.5	14	10	74	4.02	<10	<1	0.18	10	1.43	1155	1	<.01	8	910	50	2	6	52	0.17	<10	<10	79	<10	164
331503	N/A	40	27.2	0.53	20	<10	<.5	16	0.13	0.5	5	43	2280	1.85	<10	<1	0.10	<10	0.24	305	173	<.01	13	170	898	<2	<1	4	0.03	<10	<10	14	<10	48
331504	N/A	<5	0.6	2.91	2	200	<.5	2	0.61	1.5	17	11	57	4.61	<10	<1	0.12	<10	1.59	1635	1	<.01	8	820	40	2	6	36	0.19	<10	<10	97	<10	202
331505	N/A	<5	0.6	2.46	<2	170	<.5	2	0.73	0.5	12	7	29	4.04	<10	<1	0.12	10	1.62	1035	<1	<.01	3	980	22	2	6	54	0.18	<10	<10	83	<10	108
331506	N/A	<5	0.4	2.64	<2	190	<.5	2	0.78	1.0	13	11	47	4.41	10	1	0.14	10	1.77	1100	1	<.01	5	1060	28	<2	6	62	0.19	<10	<10	95	<10	140
331507	N/A	<5	0.2	2.52	<2	110	<.5	<2	0.83	1.0	12	8	32	4.03	<10	<1	0.12	10	1.73	995	<1	<.01	4	1070	18	<2	5	60	0.19	<10	<10	91	<10	120
331508	N/A	<5	0.8	2.70	<2	280	<.5	2	0.61	0.5	13	7	45	4.37	10	<1	0.14	<10	1.80	1315	2	<.01	5	870	28	4	5	49	0.18	<10	<10	86	<10	148
331509	N/A	<5	0.6	2.69	<2	370	<.5	4	0.71	<.5	17	8	43	5.21	10	<1	0.17	<10	2.02	1550	1	<.01	6	980	20	4	6	63	0.21	<10	<10	108	<10	130
331510	N/A	<5	<.2	2.48	<2	160	<.5	4	0.96	0.5	13	7	27	4.79	<10	<1	0.18	<10	1.61	1190	<1	<.01	3	1090	20	2	6	87	0.19	<10	<10	101	<10	100
331511	N/A	<5	1.6	3.01	<2	270	0.5	4	0.88	1.0	18	9	118	5.71	10	<1	0.22	<10	2.12	1940	1	<.01	7	1260	42	2	7	84	0.21	<10	<10	116	<10	180
331515	N/A	235	5.2	3.53	156	70	0.5	<2	0.61	2.5	23	99	103	5.22	<10	<1	0.16	<10	2.73	1545	2	<.01	89	1150	112	6	9	28	0.20	<10	<10	135	<10	402
331521	N/A	<5	<.2	2.49	<2	70	<.5	2	1.73	<.5	8	5	19	3.44	<10	<1	0.18	10	0.83	575	1	0.08	2	1100	2	2	6	118	0.13	<10	<10	105	<10	52
331601	N/A	<5	<.2	1.67	<2	50	<.5	<2	1.15	<.5	7	7	19	3.77	<10	<1	0.17	<10	0.63	395	<1	0.07	2	1070	2	2	4	76	0.12	<10	<10	121	<10	36
331602	N/A	<5	<.2	1.42	<2	50	<.5	2	0.92	<.5	8	6	18	3.43	<10	<1	0.16	<10	0.59	360	<1	0.07	1	940	6	2	3	60	0.11	<10	<10	109	<10	34
331603	N/A	<5	0.2	2.15	<2	100	<.5	2	0.92	<.5	12	8	43	3.86	10	<1	0.23	<10	1.21	735	1	0.03	4	1190	10	2	5	73	0.13	<10	<10	93	<10	76
331605	N/A	<5	<.2	2.72	<2	140	0.5	2	0.53	<.5	11	9	18	3.83	10	<1	0.41	<10	1.37	985	<1	<.01	4	1060	16	2	7	41	0.19	<10	<10	118	<10	88

*All assays from Chemex

Rock Samples*

		2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2150	2130	2131	2132	2151	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149
SAMPLE NUMBER	Au oz/T	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
331053	0.001	18.4	0.38	<2	40	<.5	1025	0.10	<.5	24	127	2170	4.41	<10	<1	0.16	<10	0.25	140	461	0.01	3	260	68	<2	1	7	0.03	<10	<10	19	220	28
331512	0.001	68.0	2.31	146	70	<.5	186	0.15	1.5	123	227	2130	10.45	<10	<1	0.12	<10	1.00	2130	14	<.01	4	260	288	<2	4	42	0.04	<10	<10	42	130	204
331513	0.009	4.4	2.31	10	80	<.5	4	0.20	<.5	13	260	2460	4.46	<10	<1	0.18	<10	1.57	965	4	<.01	53	600	6	<2	1	5	0.06	<10	<10	50	<10	64
331514	0.004	9.6	1.39	34	100	<.5	<2	0.37	1.0	17	275	677	3.40	<10	<1	0.38	<10	0.74	320	10	<.01	35	630	82	<2	2	8	0.08	<10	<10	25	<10	106
331516	0.015	0.8	3.46	10	70	<.5	<2	0.40	1.0	15	145	67	5.41	10	<1	0.14	<10	3.47	1150	3	0.02	33	1130	34	<2	9	13	0.17	<10	<10	175	<10	130
331517	0.002	0.6	2.97	4	90	<.5	<2	0.95	5.0	21	224	128	5.26	<10	<1	0.51	<10	2.20	820	9	0.13	76	1150	46	<2	5	63	0.16	<10	<10	154	<10	510
331518	0.001	0.2	2.26	10	40	<.5	<2	0.33	0.5	15	163	66	4.26	<10	<1	0.28	<10	1.85	780	3	0.03	30	860	22	<2	6	16	0.09	<10	<10	132	<10	118
331519	0.003	0.4	2.35	8	60	<.5	<2	0.38	0.5	14	155	83	5.05	<10	<1	0.28	<10	2.11	570	5	0.04	28	1100	18	<2	4	23	0.11	<10	<10	147	<10	94
331520	0.017	>100.0	0.73	64	90	<.5	422	0.30	<.5	104	182	1915	3.52	<10	<1	0.10	<10	0.38	560	26	<.01	6	320	166	2	<1	73	0.01	<10	<10	15	40	50
331520 - assay		6.3 opt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
331522	0.005	1.4	2.64	<2	180	<.5	<2	7.40	0.5	8	206	1020	6.72	<10	<1	0.13	<10	0.48	3940	16	0.05	2	520	<2	<2	3	41	0.05	<10	<10	75	10	84
331604	0.002	1.4	1.30	4	200	<.5	16	1.00	1.5	7	137	215	2.83	<10	<1	0.27	<10	0.26	725	6	0.09	2	790	20	<2	2	25	0.05	<10	<10	23	<10	90
331606	0.002	1.8	2.31	274	50	<.5	<2	2.55	8.0	6	166	72	2.46	<10	<1	0.10	10	0.30	790	5	0.01	3	650	72	<2	3	62	0.13	<10	<10	43	<10	1130
331607	0.004	0.4	2.13	2	150	<.5	<2	2.48	0.5	7	97	15	2.44	<10	<1	0.20	<10	0.63	1720	4	0.01	1	670	10	2	3	39	0.12	<10	<10	39	<10	98

*All assays from Chemex except Au from Westmin



LEGEND

LITHOLOGY

STRATIFIED ROCKS

HAZELTON GROUP

Lower to Middle Jurassic

SEDIMENTS

[3] SALMON RIVER FORMATION: siltstone, argillite, pyritic
- a: hornfels alteration; fine grained disseminated pyrrhotite and/or pyrite, chlorite
- b: rusty weathering bedded siltstone and fine grained sandstone; siliceous and pyritic

PLUTONIC ROCKS*

COAST PLUTONIC COMPLEX

Eocene?

[2] Kshwan Glacier pluton: granodiorite; coarse grained, equigranular, hornblende-biotite granodiorite

Early Jurassic?

[1] Bulldog Creek pluton: granodiorite, diorite and feldspar porphyry diorite; commonly epidotized and chloritized
- a: granodiorite: coarse grained, equigranular, hornblende-biotite granodiorite
- b: diorite: fine to medium grained, equigranular, dark to medium greenish grey
- c: feldspar porphyry diorite: fine grained, equigranular, dark grey diorite with 1mm-2 cm feldspar phenocrysts

*Note: Nomenclature based on comparing descriptions in most recent regional mapping north of the property by Greig et al. 1993. No definative age dating of intrusives has been carried out.

ABBREVIATIONS

AK - ankerite		GL - galena	
AS - arsenopyrite		HE - hematite	
CA - calcite		MA - malachite	
CB - carbonate		MG - magnetite	
CL - chlorite		PY - pyrite	
CP - chalcopyrite		QZ - quartz	
CY - clay		MS - sericite	
EP - epidote		SL - sphalerite	
FX - feldspar		VG - visible gold	
alt'n - alteration		vn - vein	
brxx - breccia		vning - veining	
po - porphyritic			

SYMBOLS

- bedding
- foliation
- veins
- faults
- contacts

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

0 250 500 750 1000 1250
METRES
SCALE 1:15,000

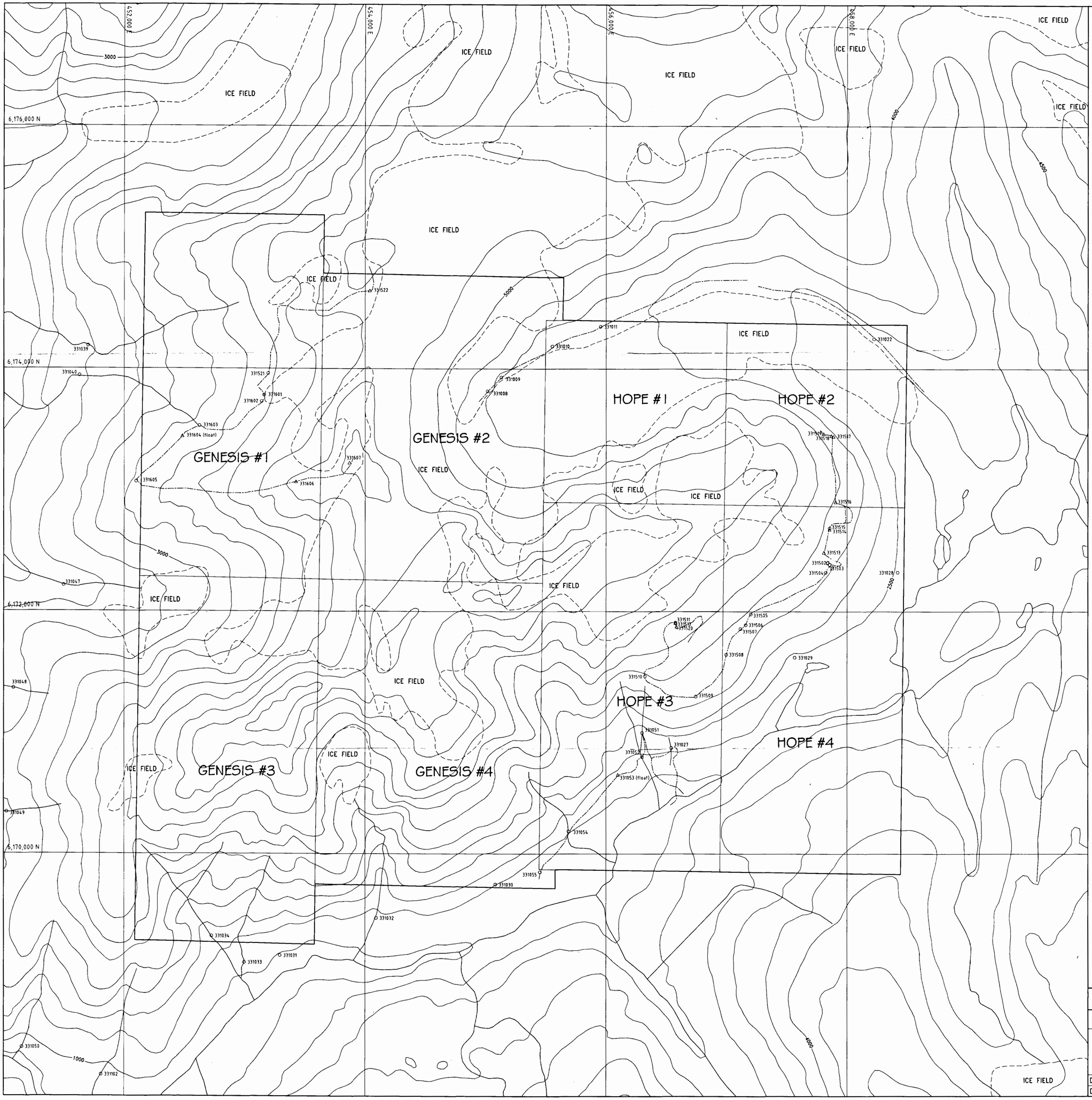
24,743

INT'L NORTHAIR MINES LTD.

HOPE PROPERTY

GEOLOGY

DRAWN BY: AW,KN,TK	SCALE: 1:15,000
DATE: JULY 1996	FIGURE NO: 3



N

GRID

LEGEND

△ ROCK SAMPLE

○ STREAM SILT SAMPLE

—·— TRAVERSE

Rock samples

Samples	Au opt	Ag ppm
331053	0.001	18.4
331512	0.001	68.0
331513	0.009	4.4
331514	0.004	9.6
331516	0.015	0.8
331517	0.002	0.6
331518	0.001	0.2
331519	0.003	0.4
331520	0.017	6.30 opt
331522	0.005	1.4
331604	0.002	1.4
331606	0.002	1.8
331607	0.004	0.4

Stream silt samples

Samples	Au ppb	Ag ppm
331008	<10	<0.2
331009	20	0.2
331010	<10	<0.2
331011	40	0.2
331022	<10	0.2
331027	na	<0.2
331028	520	0.8
331029	40	0.6
331030	<10	0.4
331031	<10	0.2
331032	<10	0.4
331033	<10	0.2
331034	<10	<0.2
331039	40	<0.2
331040	150	0.4
331047	60	<0.2
331048	40	<0.2
331049	60	0.4
331050	50	<0.2
331051	30	0.4
331052	30	0.8
331054	<10	3.6
331055	<10	0.2
331102	<5	0.8
331502	<5	0.8
331503	40	27.2
331504	<5	0.6
331505	<5	0.6
331506	5	0.4
331507	<5	0.2
331508	<5	0.8
331509	<5	0.6
331510	<5	<0.2
331511	<5	1.6
331515	235	5.2
331521	<5	<0.2
331601	<5	<0.2
331602	<5	<0.2
331603	<5	0.2
331605	<5	<0.2

0 250 500 750 1000 1250

METRES

SCALE 1:15,000

INT'L NORTHAIR MINES LTD.

HOPE PROPERTY

SAMPLE RESULTS

DRAWN BY: AW,KN,TK	SCALE: 1:15,000
DATE: DEC 1996	FIGURE NO: 4