



**Ministry of Energy, Mines & Petroleum Resources**  
 Mining & Minerals Division  
 BC Geological Survey

**ASSESSMENT REPORT  
 TITLE PAGE AND SUMMARY**

<b>TITLE OF REPORT [type of survey(s)]</b>	<b>TOTAL COST</b>
2007 Report for Prospecting, Geological Mapping, Rock Sampling and Geochemistry on the Nahmint Property	\$ 7,865

AUTHOR(S) Jacques Houle, P.Eng. SIGNATURE(S) \_\_\_\_\_

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S) \_\_\_\_\_ YEAR OF WORK 2007

STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S) 4157584

PROPERTY NAME Nahmint

CLAIM NAME(S) (on which work was done) 525100, 525102, 525109, 525111

COMMODITIES SOUGHT Copper, Gold, Silver, Molybdenum

MINERAL INVENTORY MINFILE NUMBER(S) 092C007,-08,-09,-61,-67,-95; 092F086,-118,-129,-140,-142,-156,-157,-160,-166,-209,-210

MINING DIVISION Alberni NTS 092F02W

LATITUDE 49 ° 00 ' \_\_\_\_\_ " LONGITUDE 124 ° 57 ' \_\_\_\_\_ " (at centre of work)

OWNER(S)

1) Nahminto Resources Ltd. 2) \_\_\_\_\_

MAILING ADDRESS

3009 Kingsway Avenue  
Port Alberni, B.C. V9Y 1X7

OPERATOR(S) [who paid for the work]

1) Discovery-Corp Enterprises Inc. 2) \_\_\_\_\_

MAILING ADDRESS

704-1050 Burrard Street  
Vancouver, B.C. V6Z 2S3

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

Skarn, Copper, Iron, Limestone, Volcanics, Jurassic, Triassic, Magnetite, Chalcopyrite, Pyrrhotite, Bornite, Pyrite,  
Garnet, Actinolite, Pyroxene, Molybdenum, Zinc, Silver, Gold, Cobalt, Arsenic, Cadmium, Mercury, Selenium,  
Tungsten, Calcium, Sulphur

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS \_\_\_\_\_

00777, 02856, 08286, 08809, 15199, 19484, 28868

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area) Ground, mapping _____	1:500 scale; 1 hectare	525102, 525109	\$ 2372
Photo interpretation _____			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic _____			
Electromagnetic _____			
Induced Polarization _____			
Radiometric _____			
Seismic _____			
Other _____			
Airborne _____			
GEOCHEMICAL			
(number of samples analysed for ...)			
Soil _____			
Silt _____			
Rock _____			
Other _____			
DRILLING			
(total metres; number of holes, size)			
Core _____			
Non-core _____			
RELATED TECHNICAL	6 samples	525102, 525109	\$ 586
Sampling/assaying _____			
Petrographic _____			
Mineralographic _____			
Metallurgic _____			
PROSPECTING (scale, area)	1:10,000 scale; 5 hectares	525100, 525102, 525111	\$ 2109
PREPARATORY/PHYSICAL			
Line/grid (kilometres) _____			
Topographic/Photogrammetric (scale, area) _____			
Legal surveys (scale, area) _____			
Road, local access (kilometres)/trail _____			
Trench (metres) _____			
Underground dev. (metres) _____			
Other _____	Reports		\$ 2798
		TOTAL COST	\$ 7865

**2007 Assessment Report for**  
**Prospecting, Geological Mapping,**  
**Rock Sampling**  
**and Geochemistry**

**Performed during June, 2007**  
**On portions of the**

# **Nahmint Property**

**Covered by cell mineral claims**  
**525100, 525102, 525109, 525111**

**Alberni Mining Division**

**092C096, 092F006**

**UTM Zone 10N 360000E 5430000N**

**For Nahminto Resources Ltd., owner and operator**

**Report prepared and submitted by**  
**Jacques Houle, P.Eng.**

**August 15, 2007**

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## **Introduction**

### **Property location, access and physiography**

The Nahmint property is centred 25 kilometres south of the city of Port Alberni and Provincial Highway 4 along the western shoreline of the Alberni Inlet. The property is accessible by road from Port Alberni by two alternate routes. The northern route follows Highway 4 west across the Somass River Bridge, then south along a series of logging roads mainly along the Alberni Inlet for approximately 50 kilometres to the northern property boundary, which takes about 90 minutes. The western route follows Highway 4 to the same turnoff, then west, south and east for approximately 75 kilometres to the western property boundary, which takes about 2 hours. The lower elevations of the eastern and southern portions of the property are locally accessible by water from Port Alberni 20 to 40 kilometres south and west along the Alberni and Uchucklesit Inlets, which takes 1 to 2 hours depending on the speed of the watercraft.

The local infrastructure is good with extensive logging roads over most of the Nahmint property, and the sheltered Alberni and Uchucklesit Inlets along two sides. Exploration programs can be mobilized and serviced by road, air or water as required. Upgraded roads and the installation of deep sea wharfs could provide excellent access for potential future mining operations on the property. Port Alberni is a resource community of about 17,000 people with abundant skilled labour, housing, services, hospital, airport and a deep sea port.

The property resembles a squat dome, and topography consists of terraced, flat-topped mountains incised by steep cliffs and valleys with fast-flowing creeks and rivers fed by small lakes. Elevations range across the property from sea level to about 1000 metres. Overburden on the property consists of thin, poorly developed soils with local pockets of thicker glacial till, and rock exposure averages about 10%. Vegetation is dense, second growth coniferous forest and fast-growing alders along variably overgrown logging roads, with occasional patches of old growth hemlock, balsam, fir and cedar. Abundant fresh water sources occur all over the property, available through appropriate permits for exploration or mining purposes.

The climate in the area is a temperate coastal rain forest, with warm dry summers, and very wet conditions the rest of the year. Winters are relatively mild with abundant snowfall accumulations at higher elevations that linger along north-facing slopes well into the spring. Exploration is possible year round over most of the Nahmint property.

## Property definition, owner, operator, geology, and history

The Nahmint Property is held 100% by private company Nahminto Resources Ltd. ("Nahminto") of Port Alberni, B.C. (FMC No. 209027), and consists of 18 cell mineral claims, effective since May 11, 2007. Also in May, 2007 Nahminto concluded a letter of intent for the purchase from Pacific Coast Copper Ltd. of 100% interest in fifteen crown granted mineral claims covering the former Three Jays and Monitor past producers of copper, gold and silver, which are surrounded by the cell mineral claims of the Nahmint Property.

In June, 2007 Nahminto concluded a letter of intent for an option to joint venture the Nahmint Property with Discovery-Corp Enterprises Inc. ("Discovery-Corp"), a public junior exploration company. Discovery-Corp paid for the work described in this report, both to maintain the cell mineral claims in good standing, and as part of the due diligence process prior to executing the option joint venture agreement.

On July 31, 2007 Discovery-Corp announced that it was not proceeding with the option joint venture agreement with Nahminto. In early August, 2007 Nahminto concluded the purchase agreement with Pacific Coast Copper; therefore Nahminto remains the owner and operator of the Nahmint Property. The resulting property status as of the date of this report is as follows:

### Nahmint Property cell claims status as of August 15, 2007

Tenure Number	Tenure Type	Claim Name	Registered Owner (%)	Map Number	Good To Date	Status	Area
525100	Mineral	TJM1	209027 (100%)	092F	2007/oct/17	GOOD	529.358
525102	Mineral	TJM2	209027 (100%)	092C	2007/oct/17	GOOD	529.885
525107	Mineral	TJM3	209027 (100%)	092C	2007/oct/17	GOOD	445.079
525109	Mineral	TJM4	209027 (100%)	092F	2007/oct/17	GOOD	529.681
525110	Mineral	TJM5	209027 (100%)	092F	2007/oct/17	GOOD	529.636
525111	Mineral	TJM6	209027 (100%)	092F	2007/oct/17	GOOD	529.367
525112	Mineral	TJM7	209027 (100%)	092F	2007/oct/17	GOOD	529.555
525113	Mineral	TJM8	209027 (100%)	092F	2007/oct/17	GOOD	529.497
525114	Mineral	TJM9	209027 (100%)	092F	2007/oct/17	GOOD	529.594
525116	Mineral	TJM10	209027 (100%)	092C	2007/oct/17	GOOD	445.058
525118	Mineral	TJM11	209027 (100%)	092C	2007/oct/17	GOOD	529.746
529233	Mineral	TJM12	209027 (100%)	092F	2007/oct/17	GOOD	296.387
529289	Mineral	TJM13	209027 (100%)	092F	2007/oct/17	GOOD	465.683
529291	Mineral	TJM14	209027 (100%)	092F	2007/oct/17	GOOD	338.679
529292	Mineral	TJM15	209027 (100%)	092F	2007/oct/17	GOOD	508.23
529361	Mineral	TJM16	209027 (100%)	092F	2007/oct/17	GOOD	338.6
543420	Mineral	TJM17	209027 (100%)	092F	2007/oct/17	GOOD	508.166
543421	Mineral	TJM18	209027 (100%)	092F	2007/oct/17	GOOD	105.899
<b>Totals</b>		<b>18 cell claims</b>					<b>8218.100</b>

For the purpose of completeness, the crown granted mineral claims which are the subject of the letter of intent between Nahminto and Pacific Coast Copper are shown as follows:

## Crown Granted Mineral Claims as of August 15, 2007

S.I.D. #	District Lot #	Registered Owner	Claim Name	P.I.D. #
200280	519	Pacific Coast Copper	Southern Cross	009-405-950
200310	520	Pacific Coast Copper	Pacific	009-405-976
200440	521	Pacific Coast Copper	Norway	009-405-992
200600	523	Pacific Coast Copper	Ballarat	009-406-018
200730	524	Pacific Coast Copper	Three Jays	009-406-026
200860	525	Pacific Coast Copper	Three Jays No.2	009-406-042
200990	526	Pacific Coast Copper	Three Jays No.3	009-406-069
201060	527	Pacific Coast Copper	Blue Jay	009-406-077
201190	528	Pacific Coast Copper	Uncle Sam	009-406-093
201220	529	Pacific Coast Copper	John Bull	009-406-115
201350	530	Pacific Coast Copper	Mahwitka	009-406-140
201480	531	Pacific Coast Copper	Nahwitka No.1 Fraction	009-406-174
201510	532	Pacific Coast Copper	Monitor No.1	009-406-123
201640	533	Pacific Coast Copper	Monitor No.1 Fraction	009-406-131
201770	534	Dana McClure	Monitor No.2	009-406-182
<b>Totals</b>	<b>15 crown granted mineral claims</b>			

The Nahmint property is situated near the south end of the Wrangellian Terrane of the Insular Belt. The region is underlain by four, thick discrete volcano-sedimentary sequences ranging in age from Palaeozoic to Cretaceous, which have been variably intruded by up to four intrusive suites each associated with major tectonic events and related folding and faulting. The oldest sequence in the area belongs to the Devonian-Permian Sicker Group, which does not outcrop on the property. The middle two sequences consist of the Triassic-Jurassic Vancouver and Bonanza Groups, which are described in detail below and cover the entire property. The youngest sequence belongs to the Cretaceous Nanaimo Group, which is entirely clastic sediments and does not outcrop on the property. The only intrusive rocks known to outcrop on the property are batholiths, stocks and dikes of the Jurassic Island Intrusive Suite, but Triassic Mount Hall and Tertiary Mount Washington suite intrusives occur in the area.

The Triassic-Jurassic Vancouver and Bonanza Groups were reclassified in 2007 by G. Nixon of the B.C. Geological Survey, based on his recent work on northern Vancouver Island. The Triassic Karmutsen Formation of the Vancouver Group consists of extensive, pillowed to brecciated volcanic flows with thin inter-flow limestones and porphyritic volcanics in the upper part of the unit. Overlying the Karmutsen is the massive to bedded Triassic Quatsino Formation limestone, also of the Vancouver Group. The base of the overlying Bonanza Group is the Triassic Parson Bay Formation, consisting of volcanic breccias and tuffs overlain by bedded limestone, siltstone, mudstone and shale. These are overlain by the Jurassic LeMare Lake sub-aerial volcanics, tuffs and

minor sedimentary rocks, the top of the Bonanza Group. These volcano-sedimentary sequences are intruded by the Early Jurassic Island Intrusives, consisting of a thick batholith or sill of granodiorite and related sub-intrusive porphyritic stocks and dikes. The Island Intrusives are thought to be directly associated with a number of important calc-alkalic copper-molybdenum-gold porphyry and related copper and iron skarn deposits throughout Vancouver Island, and specifically near the Nahmint property, including:

Vancouver Island	Class	million Tonnes	Cu (%)	Pb (%)	Zn (%)	Mo (%)	Au (g/t)	Ag (g/t)	Fe (%)
Crown Prince	Dev. Prospect	0.067							50.0
Iron Chief	Dev. Prospect	0.181							72.0
Blue Grouse	Past Producer	0.249	2.73					10.1	
Rob	Past Producer	0.005	1.33						
Glengarry	Past Producer	0.057							40.0
Indian Chief	Past Producer	0.074	1.50				0.30	23.2	
Brown Jug	Dev. Prospect	1.000							35.0
Brynnor	Past Producer	4.481							67.2
Iron Hill	Past Producer	3.657							54.4
Iron Mountain	Dev. Prospect	0.250							50.0
Iron Mike	Past Producer	0.169							66.8
Little Lake	Dev. Prospect	2.846	0.03						47.8
Iron Crown	Past Producer	2.176							58.6
Old Sport	Past Producer	2.621	1.57				1.47	4.48	19.3
Shamrock	Dev. Prospect	0.180							26.0
Merry Widow	Past Producer	3.372							49.7
Yreka	Past Producer	0.145	2.71				0.34	31.2	
Pilgrim	Dev. Prospect	0.096			8.86		0.03	32.6	
Caledonia	Dev. Prospect	0.068	6.10	0.60	7.45		0.34	704	
Hep	Dev. Prospect	0.045	0.80						
Bensen Lake	Past Producer	0.064	1.92				0.97	7.59	
Island Copper	Past Producer	363.42	0.34			0.01	0.10	0.81	
Steele Creek	Past Producer	0.005	2.48					8.72	
Red Dog	Dev. Prospect	25.000	0.44			0.01	0.44		
Smith Copper	Dev. Prospect	0.084	1.69	3.70	12.50			64.4	
Hushamu	Dev. Prospect	173.24	0.27			0.01	0.34		

Nahmint Property	Class	Tonnes	Years	Cu (%)	Au (g/t)	Ag (g/t)
Monitor	Past Producer	1,288	1900-1918	9.08	0.05	28.8
Southern Cross	Past Producer	290	1905-1906	2.10		17.7
Sunshine	Past Producer	5	1916	17.38		43.6
Three Jays	Past Producer	1,981	1898-1902	7.52	0.97	38.0
Cascade	Past Producer	113	1904-1905	12.95		28.6

The Nahmint property geology consists of a flat-lying sequence of layered rocks consisting of Karmutsen volcanics, Quatsino limestone, Parson Bay volcanics and sediments, and LeMare Lake volcanics. These layered rocks have been intruded from the southeast and domed from beneath by a large batholith or sill of Island Intrusive granodiorite and porphyritic stocks and dikes, in part along the Karmutsen-Quatsino contact. Steeply-dipping, northwest-trending faults have deformed and offset the layered and intrusive rocks both vertically and horizontally.

Copper, Gold and Iron Skarn mineralization as well as marble deposits on the Nahmint property appear to have formed where the Island intrusives occur along the lower contact of the Quatsino limestone with the underlying Karmutsen volcanics. Evidence of this lithologic relationship is both geological through regional mapping and geophysical through aeromagnetics. No mention of porphyry copper mineralization has been documented on the Nahmint property to date, but neither have such deposits been targeted by explorationists. Sedimentary limestone deposits consist of the extensive exposures of the Quatsino limestone unit itself. No diamond drilling has ever been documented on the property.

Descriptions of copper-gold-silver mineralization in the Nahmint property area are based primarily on historical data compiled in the B.C. Minister of Mines reports from 1898 to 1918, when all sixteen documented skarn occurrences were discovered by prospecting, many were explored by shallow excavations and a few selectively mined. Only six assessment reports exist of work by explorationists from 1965 to 1989. Since most of the work was done long ago on crown granted mineral claims which did not require assessment work, details of the deposits and excavations are largely unknown. In the modern context of mineral deposits models, descriptions of the sulphide mineralogy of these skarn occurrences appear to represent mixed variations of three end-member types as follows:

- Copper Skarns – mainly chalcopyrite with minor pyrrhotite, pyrite, magnetite, bornite (Monitor, Happy John, Southern Cross, Torse, Sunshine, Three Jays, Ocean Wave, Saucy Lass, Cascade, Ivanhoe, Orphan Boy, Rainy Day)
- Gold Skarns – mainly pyrrhotite with minor bornite, chalcopyrite, pyrite, magnetite (Silver King)
- Iron Skarns – mainly magnetite with minor chalcopyrite, pyrrhotite, pyrite, bornite (Defiance, Black Prince, J & S)

These may actually represent mineral zonation variations within individual deposits or deposit clusters, which is also typical of skarns. Early workers appeared to target primarily visible and high grade copper skarns as direct shipping ore, so pyrrhotite-rich gold skarns may have received less attention, similar to the iron skarns. Gangue mineralogy and deposit shapes are also highly variable, and are dependent on whether they are endoskarns (within the

intrusives) or exoskarns (within the host rocks). Brief summaries of each of the eighteen MINFILE occurrences located on or immediately adjacent to the Nahmint Property as extracted from Annual Reports of the B.C. Minister of Mines are as follows:

**Monitor (MINFILE 092C 007)**

Three copper skarn deposits (Maynard, Hedley and Leonard) were discovered between 1898 and 1916 along a 700 metre long north-westerly trend along the east side of the mouth of Handy Creek near the shore of the Alberni Inlet on the contiguous crown granted mineral claims Uncle Sam, John Bull, Nawitka and Monitor No.1 Fraction, which are included in the purchase agreement with Pacific Coast Copper. These are now surrounded by cell mineral claim 525102 on the southern portion of the Nahmint Property. Shallow underground workings and surface trenches were excavated and an aerial tramway was installed to convey ore from the upper workings. Minor production of direct shipping ore to smelters occurred in two pulses, from 1900 to 1902 to Tacoma and from 1916 to 1918 to Trail. Total shipments were 1,288 tons averaging 9.09% copper, 0.05 g/t gold and 28.8 g/t silver.

**Happy John (MINFILE 092C 008)**

Three copper skarn deposits were discovered between 1900 and 1918 along the west side of Handy Creek near the shore of the Alberni Inlet on the non-contiguous, forfeited crown granted mineral claims Happy John No.1, Happy John No.2 and Happy John No.4. These are now covered by cell mineral claim 525102 on the southern part of the Nahmint Property. Shallow underground workings and surface trenches were excavated on all the deposits, which are all within 2 km. of the Monitor deposits and may together represent a single, large cluster of copper skarns.

**Defiance (MINFILE 092C 009)**

Three iron skarn deposits were discovered between 1902 and 1916 in a cluster along a tributary of Handy Creek, due north of the Monitor and Happy John occurrences approximately 1 km. from the Alberni Inlet, also now covered by cell mineral claim 525102 on the southern portion of the Nahmint Property. Shallow underground workings and extensive surface trenches were excavated on some of the deposits. Analyses of magnetite-chalcopyrite dump material taken in 1917 yielded elevated copper and silver values, as well as iron.

**Silver King (MINFILE 092C 061)**

Three gold/copper skarn deposits were discovered along an 800 m. east-west trend approximately 300 m. from the Alberni Inlet and 1 km. west of the Monitor occurrence on the contiguous forfeited crown granted mineral claims Silver King, Copper Queen and St. George. These are now covered by cell claims 525102 and 525107 on the southern portion of the Nahmint Property, but the western projection of the zone extends into a pre-existing no staking reserve along the eastern shore of Uchucklesit Inlet. Analyses of outcropping siliceous

pyrrhotite-chalcopyrite skarn mineralization taken in 1986 yielded elevated gold values.

#### **Southern Cross (MINFILE 092C 067)**

One copper skarn was discovered along the northeast shore of Ucklesit Inlet on the forfeited crown granted Southern Cross mineral claim. This area is now included within a no staking reserve that pre-existed the surrounding cell mineral claim 525107, and are just beyond the southwest portion of the property boundary. Shallow underground workings and a trench were excavated in 1904-1906, and minor production of direct shipping ore in 1905-1906 totalled 290 tonnes averaging 2.1% copper and 17.7 g/t silver.

#### **Barclay Sound (MINFILE 092C 095)**

A 200 metre wide limestone deposit extending for 1.7 km. along the northeast shore of Uchucklesit Inlet and onto Limestone Island was discovered in 1911. It strikes north-easterly towards the Silver King skarn occurrence, and dips gently to the southeast. Most of the limestone deposit along the shore is within the no staking reserve, but the northeast projection of the deposit is covered by cell mineral claim 525102 on the southern portion of the Nahmint Property.

#### **Black Prince (MINFILE 092F 086)**

Between two and six deposits of iron skarn, consisting of almost pure magnetite occurring in thin sheets, were discovered near a stream along the eastern side of Cass Creek between 1910 and 1916. A sample of one of the deposits taken in 1916 averaged 70.2% iron. These deposits are covered by cell mineral claims 525109 and possibly 525110 in the central portion of the Nahmint Property.

#### **Torse (MINFILE 092F 118)**

This occurrence was originally discovered and staked as the Blue Bell Group in 1898-1899, then re-staked as the Torse Group (Torse No.1 to No.8 inclusive) and explored in 1917-1918. Two copper skarn deposits were discovered along the eastern side of Snug Basin, and explored by shallow underground workings and open cuts. All but the Torse No.5 crown granted mineral claims were forfeited and the area of the former claims and deposits is within a no staking reserve extending along the eastern shore of Henderson Lake and surrounding Snug Basin. The western edge of cell mineral claim 543421 overlaps the pre-existing no staking reserve, but does not cover any of the known deposits of the Torse occurrence, which are beyond the western edge of the Nahmint Property.

#### **Sunshine (MINFILE 092F129)**

At least three deposits of variable iron and copper skarn were discovered between 1902 and 1918 along Cascade Creek, about 700 metres northeast of Uchucklesit Inlet on the contiguous forfeited Sunshine and Fern crown granted mineral claims. These are now covered by cell mineral claims 525109 and possibly 525107 on the southwest portion of the Nahmint Property, which

extend to Uchucklesit Inlet between two no staking reserves. The deposits were explored by shallow underground workings, from which 5 tonnes were shipped in 1916, yielding averages of 17.4% copper and 43.6 g/t silver.

### **Three Jays (MINFILE 092F140)**

The Three Jays was also called Hayes or Nahmint during its exploration and production history between 1898 and 1947, and is by far the most developed area on the Nahmint Property. Seven copper skarn deposits were discovered over a strike length of 1500 metres from the west shore of the Alberni Inlet along an east-west orientation, plus a disseminated copper zone, on the contiguous North Pole, Southern Cross, Pacific, Norway, Viking (forfeited), Ballarat, Three Jays No.2, Three Jays, Three Jays No.3 and Blue Jay (forfeited) crown granted mineral claims, which are included in the purchase agreement with Pacific Coast Copper. The deposits and the remaining crown grants are either on or surrounded by cell mineral claim 525100 on the northeast portion of the Nahmint Property. The deposits were explored by almost 1 km. of underground workings, including three tunnels, two shafts, and several trenches, plus an aerial tramway was installed to convey ore from the upper workings. From 1898 to 1902, 1,981 tonnes of direct shipping ore was sent to the Tacoma smelter, averaging 7.5% copper, 0.97 g/t gold and 38 g/t silver, with several stockpiles of mineralized material remaining on surface.

### **Ocean Wave (MINFILE 092F142) and Orphan Boy (MINFILE 092F209)**

Originally known as the Belvidere Group and located 1 km. north of Snug Basin, these occurrences were covered by the once contiguous but now forfeited crown granted mineral claims Orphan Boy, Fisher Maid, Belvidere, Santa Cruz, Ocean Wave, Big Bear, Southern Cross, Alpha, Tortilla, and Belvedere No.1 Fraction. From 1899 to 1903, at least two clusters of copper skarn deposits approximately 500 m. were discovered and the northern occurrence (Ocean Wave) excavated by shallow underground workings. In 1965, a minor surface drilling program was completed on the southern occurrence (Orphan Boy). These deposits are now covered by a no staking reserve along the eastern shore of Henderson Lake, and cell mineral claim 543420 overlaps the pre-existing reserve and the deposits along the western edge of the Nahmint Property.

### **Saucy Lass (MINFILE 092F156)**

Several copper skarn deposits were discovered from 1908 to 1920 on the contiguous forfeited crown granted mineral claims Saucy Lass, Saucy Lass No.1 and Saucy Boy, located along Cascade Creek approximately 1 km. from Uchucklesit Inlet. These were explored by shallow underground workings. The deposits occur along the eastern end of a no-staking reserve and are overlapped by cell mineral claim 525109, straddling the southwest boundary of the Nahmint Property.

### **Cascade (MINFILE 092F157)**



In 1904, an outcropping deposit of copper/gold skarn was discovered along the west side of Cascade Creek approximately 400 m. from Uchucklesit Inlet, developed with a short adit and shaft for drainage, and an aerial tramway was installed. The deposit was partially mined by open cut and a trial shipment of 113 tonnes was sent to the Tacoma smelter, which averaged 13% copper and 29 g/t silver. A subsequent survey of the deposit location by the mine operators showed it to be beyond the claim boundary, and all further work was suspended. The deposit is now covered by a no staking reserve at Kildonan, the historic site of a small settlement and current site of a private fishing lodge, and is overlapped by cell mineral claim 525109 beyond the southwest boundary of the Nahmint Property.

#### **Ivanhoe (MINFILE 092F160)**

From 1908 to 1909, three copper skarn deposit was discovered each about 100 metres apart just north of Snug Basin and explored with shallow underground workings. These are now covered by the no staking reserve along the west side of Henderson Lake, beyond the west boundary of the Nahmint Property.

#### **Rainy Day (MINFILE 092F166)**

Four parallel, northeast-trending copper skarn deposits were discovered within 50 metres of one another from 1898 to 1928, one of which and explored by shallow underground workings, on the forfeited Rainy Day crown granted mineral claim along the eastern shore of Henderson Lake. These deposits are covered by the no staking reserve, and overlapped by cell mineral claim 543420, beyond the north-western boundary of the Nahmint Property.

#### **J & S (MINFILE 092F210)**

In 1898, an iron skarn deposit was discovered and explored along the eastern shore of Henderson Lake, approximately 500 m. northeast of the Rainy Day occurrence. This deposit is covered by the no staking reserve, and overlapped by cell mineral claim 543420, beyond the north-western boundary of the Nahmint Property.

#### **Hecate Mountain (MINFILE 092F411)**

This unexplored limestone occurrence is probably the strike extension of the Barkley Sound occurrence, located 2 km. to the southwest along the Alberni Inlet. Hecate Mountain is a 250 metre wide, gently northwest-dipping band of limestone, situated near the centre of the Nahmint Property at the junction of cell mineral claims 525102, 525110 and 525112.

#### **Uchucklesit Inlet (MINFILE 092F413)**

This unexplored limestone occurrence is located just north of Snug Basin, near the Torse and Ivanhoe skarn occurrences. It is situated within a no staking reserve and beyond the western boundary of the Nahmint Property.

#### **Handy Creek (MINFILE 092F475)**

This unexplored limestone occurrence is exposed over an area of 1 by 2 kilometres, and is a flat lying lens partially exposed in section along the deep gorge at the Handy Creek Main bridge. It is covered by mineral cell claim 550478, owned by individuals and surrounded by the Nahmint Property.

Work on the Nahmint property dates back to the late 1890's with the discovery of mineralization at many locations along the nearby portions of the Alberni Inlet, Uchucklesit Inlet and Henderson Lake. Considerable exploration and development work was carried out on the property in the early 1900s, particularly on the Three Jays area, including underground workings on twelve different occurrences, each representing a separate cluster of skarn deposits. Most of the work was suspended by the onset of World War 1, and only sporadic exploration has occurred on some of the locations since then. Documented assessment work consists of seven reports of preliminary exploration work completed on isolated portions of the Nahmint Property by different operators who staked claims over reverted crown granted mineral claims and/or acquired titles to crown grants, including one recently submitted by the author (28868) tabulated as follows:

<b>Year</b>	<b>Company</b>	<b>Work Program</b>
1965	Alberni Mines Ltd.	<ul style="list-style-type: none"> <li>• Geological and ground magnetic geophysical surveys on the Orphan Boy claim and occurrence</li> <li>• Assessment Report 00777</li> </ul>
1969-70	Nootka Explorations Ltd.	<ul style="list-style-type: none"> <li>• Geological and geochemical surveys on the Henderson Lake claims (covered the area of Torse, Ocean Wave, Ivanhoe, Rainy Day, Orphan Boy and J&amp;S occurrences)</li> <li>• Assessment Report 02856</li> </ul>
1980	Island Mining and Exploration Co. Ltd.	<ul style="list-style-type: none"> <li>• Prospecting, geological and geochemical surveys on the IME claims (including crown grants and covering the Three Jays occurrence)</li> <li>• Assessment Report 08286</li> </ul>
1980	Allan Ingleson	<ul style="list-style-type: none"> <li>• Prospecting on the Rain Day claims (covering the Rainy Day and possibly J&amp;S occurrences)</li> <li>• Assessment Report 08898</li> </ul>
1986	Chelan Resources Inc.	<ul style="list-style-type: none"> <li>• Geological, geochemical and ground geophysical (magnetics and electromagnetics) surveys on the Liquid Sunshine Property (covering Happy John, Silver King, and Southern Cross occurrences)</li> <li>• Assessment Report 15199</li> </ul>
1989	Nitro Resources Ltd.	<ul style="list-style-type: none"> <li>• Geochemical sampling on the Liquid Sunshine Property (covering Happy John, Silver King, and Southern Cross occurrences)</li> <li>• Assessment Report 19484</li> </ul>
2006	Herb McMaster	<ul style="list-style-type: none"> <li>• Prospecting, rock sampling and geochemistry in the Three Jays area of the Nahmint Property</li> <li>• Assessment Report 28868</li> </ul>

## List of claims and work completed

From June 11 to 21, 2007 four days of prospecting, geological mapping and rock geochemical sampling was completed by the author and a field assistant in four areas of the Nahmint Property, covered by the four cell claims 525100, 525102, 525109 and 525111. This consisted of 1 day of orientation and prospecting along logging roads, 1 day traversing and prospecting from logging roads in the area west of the Three Jays occurrence; 1 day traversing, prospecting, mapping and sampling in the area of the Defiance occurrence and the Mark Murray occurrence; and 1 day traversing, prospecting, mapping and sampling in the area of the Sunshine occurrence. An additional five days consisting of portions of ten days from June 13 to July 8, 2007 were completed by the author compiling data on the property and from the field work. Details are shown in the cost table.

On June 11, 2007 the author was accompanied by Mr. Herb W. McMaster on a property orientation visit to several road-accessible areas of the Nahmint Property, at which time specific locations were identified as candidate sites for immediate fieldwork. On June 14, 2007 the author was assisted by Mr. Daniel McMaster in hand trenching, geological mapping and rock sampling (2 samples) the recently identified Mark Murray showing, located along the Sing Main Road on claim 525102. The same day, the author and Daniel McMaster completed a prospecting traverse attempting to locate the Defiance occurrence on claim 525102. On June 15, 2007 the author and Daniel McMaster attempted a prospecting traverse including flagging a trail from existing logging roads to the Three Jays occurrence on claims 525111 and 525100. On June 21, 2007 the author and Daniel McMaster completed a prospecting traverse to a shallow shaft, short adit and muck pile of the Sunshine occurrence, where hand trenching, geological mapping and rock sampling (4 samples) were completed.

From June 13 to July 8, 2007 the author compiled data on the property, and completed geological maps and microscopic examinations of the seven reference rock specimens, and sent seven rock samples to Acme Analytical Laboratories Ltd. in Vancouver, B.C. for geochemical analyses. The rock samples were all selected grabs and should not be assumed as representative of the locations sampled. From the time the samples were taken to the time they were sent for analyses, the samples were in the sole custody of the author.

On July 8, 2007 the author filed the assessment work as agent for Nahminto on the B.C. Mineral Titles Online system. Between July 11 and August 15, 2007 the analyses were completed by Acme and received by the author, and on July 31, 2007 the author invoiced Discovery-Corp for all work completed by him, including field and office equipment and supplies, and for disbursements incurred in paying field assistants, shipping samples, and mineral tenure filing fees. The analytical costs were not included, as they were incurred after the assessment filing date.

## **Summary of work completed**

Prospecting work completed on the four areas of the Nahmint Property consisted of systematic observation of all available outcropping bedrock exposures by the author, using a calibrated, hand-held Garmin Etrex Vista GPS for 3-D location control, and hand trenching by the author and assistant where appropriate. The area prospected around the Defiance occurrence was approximately 200 metres by 50 metres, or 1 hectare. The area prospected around the Mark Murray occurrence was approximately 50 metres by 50 metres, or 0.25 hectares. The area prospected west of the Three Jays occurrence was approximately 1000 metres by 50 metres, or 5 hectares, including re-flagging an old forestry trail for possible future use. The area prospected around the Sunshine occurrence was approximately 150 metres by 50 metres, or 0.75 hectares. Therefore, the total area covered by prospecting in this report is approximately 7 hectares.

Geological mapping completed in two areas of the Nahmint Property consisted of GPS-controlled, targeted and detailed geological mapping of sulphide mineral occurrences and their immediate host rocks at a scale of 1:500. These included the Mark Murray copper skarn occurrence, exposed in outcrop in the road bed of the Sing Main Road, and a portion of the Sunshine copper skarn occurrence, exposed in a shallow shaft and underlying short adit approximately 125 m. northeast of the Sing Main Road. Both geological maps appear in this report, with the total mapped area of approximately 250 square metres (0.25 hectares).

Rock sampling consisted of seven select grab samples, of which six were taken by the author and one taken by Herbert W. McMaster in the presence of the author. These rock samples consisted of two select outcrop grab samples from the Mark Murray iron/copper skarn occurrence outcropping in the Sing Main road bed; two select outcrop grab samples from the Sunshine copper skarn occurrence exposed at the collar of the shaft and in the roof of the adit; one select grab sample of copper skarn mineralization in a muck pile just east of the shaft and adit; and one select outcrop grab sample of iron skarn mineralization exposed in outcrop just west of the shaft and adit.

## **Technical data, interpretation and conclusions**

### **Prospecting**

All the areas prospected are covered by dense, second growth forest allowing very poor visibility of outcrops, except along creeks, logging road cuts and towards rare rock bluffs from logging roads. Both prospecting traverses in the Defiance area and in the area west of the Three Jays occurrences were unsuccessful in locating any significant outcropping metallic mineralization or man-made workings, and were stopped due to steep terrain and related time and safety constraints. At the east end of the Three Jays traverse, a small, flat-

dipping, unmineralized limestone outcrop was encountered, but neither mapped nor sampled. The Mark Murray occurrence along the Sing Main road may be a re-discovery of an occurrence documented in assessment report 15199. Efforts to locate a continuation of the flat-dipping occurrence downhill to the south were unsuccessful. The rock bluff hosting the Sunshine occurrence is visible from the Sing Main road, but the vegetation along this south-facing slope is extremely thick and difficult to traverse. Both the copper skarn and iron skarn were found to be overburden-covered along strike to the northwest and the southeast from the rock bluff.

## **Geological Mapping and Rock Sampling**

All outcrops or man-made exposures found containing significant metallic mineralization were mapped at 1:500 scale in the field in a metric grid notebook. These maps were later traced by hand on metric grid paper, hand-coloured, and scanned as PDF files. Two of these appear in this report.

The only three rock types mapped were as follows:

- Skarn Mineralization – containing combinations of magnetite, chalcopyrite, pyrrhotite, pyrite, garnets, epidote, pyroxene, actinolite
- Quartz Diorite Intrusive – massive, fine-grained, variably altered
- Limestone and Marble – massive to bedded and locally re-crystallized

Significant exposures of skarn mineralization only were selectively grab sampled, and the sample number entered in the GPS memory as a waypoint. In all cases, exposures were insufficient to permit reasonably representative chip sampling. The rock samples were each placed in new plastic sample bags into which 2 parts of Acme 3-part sample tags were inserted, and sealed using plastic cable ties to prevent spillage. Each bag was opened and one or more reference pieces were cut from each sample with a rock saw, which was cleaned between each sample. The 2 parts of each sample tag were separated, with one part inserted in each of the samples intended for analyses, and the corresponding part inserted in each reference specimen. Samples intended for analyses were re-sealed with cable ties and shipped by Greyhound Bus Parcel Express from Nanaimo to Acme Analytical Laboratories Ltd.'s Vancouver facility. The author maintained secure custody of these samples until shipped, and of reference specimens at all times.

## **Rock Sample Descriptions and Geochemistry**

The rock sample descriptions of saw-cut 1-3 cm. specimens from the samples sent for analyses were completed by the author and appear with locations and analytical results in three tables. Brief highlights of the descriptions, including estimated metallic mineral contents and rounded values of significant elements

selected from the geochemical analyses, from each of the samples from each of the two areas, are as follows:

## **Mark Murray Occurrence**

### **Sample 364601 – UTM 356847 E, 5428456N, 402 m. elevation**

Select outcrop grab sample taken by Herb McMaster from weakly foliated iron-copper skarn mineralization oriented @ 060<sup>0</sup> strike and 30<sup>0</sup> dip southeast, at least 20 centimetres thick and exposed over 2 metres by 2 metres in the Sing Main road bed, located 1 to 2 metres west of a diorite intrusive contact @ 150<sup>0</sup> strike and 90<sup>0</sup> dip (vertical), and containing an estimated 40% magnetite, 25% chalcopyrite, 15% pyrrhotite-pyrite, and 10% chalcedonic quartz. The sample yielded 13.6 ppm molybdenum, 4.49% copper, 459 ppm zinc, 14.9 ppm silver, 632 ppm cobalt, 36.3% iron, 768 ppm arsenic, 1.55% calcium and 7.6% sulphur from Group 7AX ICP analyses, and 22.4 ppb gold from Group 1F ICP analyses.

### **Sample 364651 - UTM 356847 E, 5428456 N, 402 m. elevation**

Select outcrop grab sample taken by the author from strongly foliated iron-copper skarn mineralization oriented @ 060<sup>0</sup> strike and 30<sup>0</sup> dip southeast, at least 20 centimetres thick and exposed over 2 metres by 2 metres in the Sing Main road bed, located 0 to 1 metres west of a diorite intrusive contact @ 150<sup>0</sup> strike and 90<sup>0</sup> dip (vertical), and containing 25% magnetite, 15% chalcopyrite, 5% pyrrhotite-pyrite, 30% garnets, and 10% chalcedonic quartz. The sample yielded 1.91% copper, 0.259% zinc, 4.1 ppm silver, 351 ppm cobalt, 28.5% iron, 20.1 ppm cadmium, 20.6 ppm bismuth, 6.01% calcium, 13.4 ppm tungsten, 10.9% sulphur from Group 7AX ICP analyses, and 5.3 ppb gold from Group 1F ICP analyses.

## **Sunshine Occurrence**

### **Sample 364652 – UTM 354329 E, 5430046 N, 289 m. elevation**

Select outcrop grab sample taken by the author from weakly foliated copper skarn mineralization oriented @ 170<sup>0</sup> strike and 90<sup>0</sup> dip (vertical), 1 metre thick and exposed over 1.5 metres depth in the northwest wall of a 1.5 metre by 1 metre vertical shaft sunk in outcrop and surrounded by quartz diorite intrusive with sheared contacts; the sample contains 20% pyrrhotite-pyrite, 10% chalcopyrite, 10% bornite, 5% magnetite, 35% actinolite, 5% garnets, 5% chalcedonic quartz. The sample yielded 0.409% copper, 29.7% iron 0.68% calcium and 19.1% sulphur from Group 7AX ICP analyses, and 109 ppb silver and 2.4 ppb gold from Group 1F ICP analyses.

### **Sample 364653 - UTM 354329 E, 5430046 N, 284 m. elevation**

Select outcrop grab sample taken by the author from weakly foliated copper skarn mineralization oriented @ 350 strike and 70 dip (northeast), 1 metre thick and exposed over 7 metres along the full back of a 2 metre by 1.5 metre adit driven in outcrop directly beneath the shaft sampled in 364652, and surrounded

by quartz diorite intrusive with sheared contacts, interpreted as the same skarn; the sample contains 35% pyrrhotite, 10% chalcopyrite, 5% bornite, 35% actinolite, 10% garnets, 5% chalcedonic quartz. The sample yielded 3.70% copper, 755 ppm zinc, 8.7 ppm silver, 1199 ppm cobalt, 37.1% iron, 727 ppm arsenic, 2.31% calcium, 1.18 ppm mercury, 27% sulphur and 99 ppm selenium from Group 7AX ICP analyses, and 40.6 ppb gold from Group 1F ICP analyses.

**Sample 364654 - UTM 354347 E, 5430057 N, 284 m. elevation**

Select muck pile grab sample taken by the author from a 0.5 metre deep, oxidized pile of broken rock exposed over 2 metres by 2 metres located on a sloping bank of overburden 15 metres east and downhill of the shaft, the likely source of the rock pile; the material sampled consists of well foliated copper skarn containing 40% chalcopyrite, 20% bornite, 10% pyrrhotite, 10% garnets, 10% chalcedonic quartz. The sample yielded 15.0% copper, 0.395% zinc, 29 ppm silver, 691 ppm cobalt, 36.3% iron, 116 ppm arsenic, 30.4 ppm cadmium, 9.16 ppm mercury, 27.8% sulphur, 137 ppm selenium from Group 7AX ICP analyses, and 76.2 ppb gold from Group 1F ICP analyses.

**Sample 362655 - UTM 354347 E, 5430062 N, 278 m. elevation**

Select outcrop grab sample taken by the author from well foliated and folded iron skarn mineralization oriented @ 330<sup>0</sup> strike and 40<sup>0</sup> dip (northeast) 1 metre thick exposed over 3 metres dip length in a bluff located 20 metres west of the shaft, and consisting of 40% magnetite, 15% pyroxene, 15% actinolite, 15% garnets, 5% fine grained black sulphide (possibly tetrahedrite), and 5% calcite. The sample yielded 13.6 ppm molybdenum, 0.132% copper, 20.9% iron, 3.42% calcium, 21.6 ppm tungsten from Group 7AX ICP analyses.

## **Laboratory Methods and Specifications**

All samples were sent to Acme Analytical Laboratories Ltd. Vancouver facility and subjected to the Group 1F multi-element ICP-MS, Group 7AX multi-element ICP-ES and Group 6 gold methods. These methods were selected due to the highly variable sulphide mineralization present in the samples, and the probability of elevated gold values. The two different multi-element methods were selected for comparative purposes and to determine which would be better for future use in rock sampling programs on the Nahmint property. The method and specification sheets from Acme appear as received for each of the three methods. The methods are deemed appropriate by the author, considering the non-representative nature of the samples taken.

## Interpretation and Conclusions

The interpretation of the prospecting, geological mapping and rock geochemistry data is limited by the amount of work completed. However, the six samples of mineralized skarn mapped and described can be classified into three types:

- Copper skarns: 364652, 364653, 364654
- Copper/Iron skarn: 364601, 364651
- Iron/Copper skarn: 364655

The presence of significant and highly elevated copper values in all six samples, combined with elevated values in metals of potential economic interest (molybdenum, zinc, silver, cobalt, iron, and tungsten) as well as indicator elements (arsenic, bismuth, cadmium, mercury and selenium) confirm both grades and geochemical signature of typical skarn type mineralization. These samples should not be assumed as representative of the in-situ grades, but rather as character samples of the local mineralization exposed, referred to by the author as select grab samples. None of the exposures were adequate to permit representative chip sampling over their full widths. Future hand or power trenching and power washing would probably permit representative sampling of the bedrock exposures sampled. Appropriate safety precautions would be required in the use of any power equipment near, and dealing with possible resulting ground movements within, any of the shallow underground workings.

The Group 7AX ICP-ES and ICP-MS method by Acme is probably the best for determining both economic and indicator metal contents of skarn mineralization on the Nahmint property, in the author's opinion. However, since the method does not report gold values, another method is required. However, the Group 6 method is probably not appropriate for determining gold values which may be quite low in these types of samples. Therefore the Group 3B ICP-MS method is probably superior for determining both economic and trace values. The use of these Group 7AX and Group 3B methods preclude the need for re-assaying higher values beyond threshold limits of the Group 1F ICP-ES and ICP-MS method, with the consequent time delays and additional costs.

Only a very small fraction of the property has been prospected to date, and more work is clearly justified, both in the Three Jays area and throughout the rest of the property. The Nahmint Property represents a large, early stage project with known, high grade occurrences of copper (+/-gold-silver-zinc-cobalt) and iron (magnetite), and extensive exposures of limestone and some marble. Project logistics are excellent, with the protected tidewaters of Alberni Inlet along two sides of the property, and an extensive logging road network providing access to much of the property and to the nearby resource-oriented community of Port Alberni. Modern, systematic exploration techniques have not been utilized over most of this area. The potential exists on the property to discover both metallic



and industrial mineral deposits of economic significance, including both high grade skarn deposits and large disseminated porphyry copper deposits.

## **Author's Qualifications**

I, Jacques Houle, P.Eng. Do hereby certify that:

I am currently employed as a consulting geologist by:  
Jacques Houle, P.Eng. Mineral Exploration Consulting  
6552 Peregrine Road, Nanaimo, British Columbia, Canada V9V 1P8

I graduated with a Bachelor's of Applied Science degree in Geological Engineering with specialization in Mineral Exploration from the University of Toronto in 1978.

I am a member in good standing with the Association of Professional Engineers and Geoscientists of British Columbia, the Society of Economic Geologists, the Association for Mineral Exploration British Columbia, and the Vancouver Island Exploration Group; I am also a member of the Technical Advisory Committee for Geoscience B.C.

I have worked as a geologist for 29 years since graduating from university, including 5 years as a mine geologist in underground gold and silver mines, 15 years as an exploration manager, 3 years as a government geologist and 4 years as a mineral exploration consultant.

I have visited portions of the Nahmint Property on several occasions during June, 2007. I am independent of Mr. Herb McMaster and Nahmint Resources Ltd., who owned the Nahmint Property both previously and currently. I am an independent director of Discovery-Corp Enterprises Inc., who completed and funded due diligence work on the Nahmint Property which is the subject of this assessment report.

## **References**

### B.C. Ministry of Energy Mines and Petroleum Resources Website references:

Annual Reports: [http://www.em.gov.bc.ca/Mining/Geolsurv/Publications/catalog/cat\\_arpts.htm](http://www.em.gov.bc.ca/Mining/Geolsurv/Publications/catalog/cat_arpts.htm)

Fieldwork: [http://www.em.gov.bc.ca/Mining/Geolsurv/Publications/catalog/cat\\_fldwk.htm](http://www.em.gov.bc.ca/Mining/Geolsurv/Publications/catalog/cat_fldwk.htm)

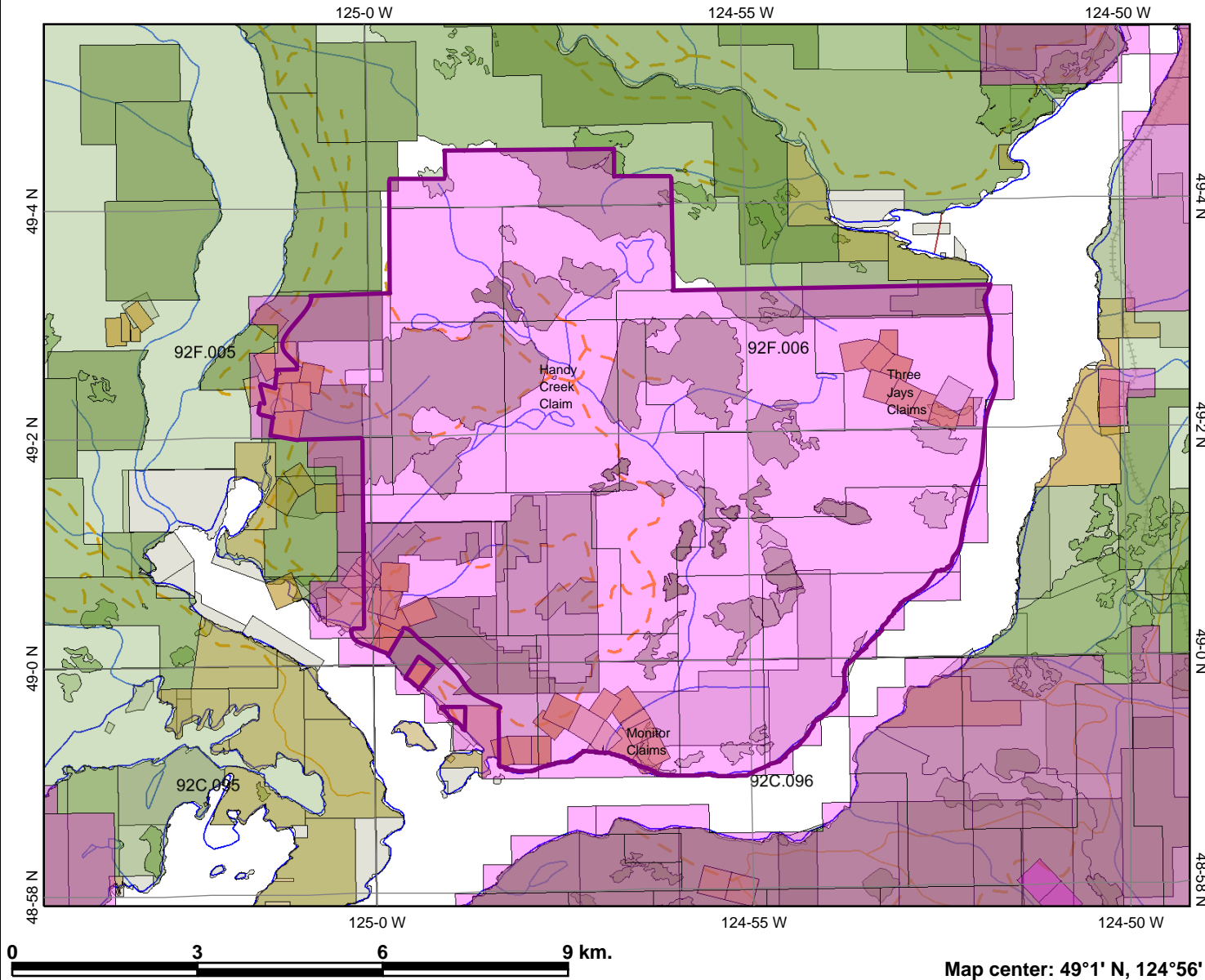
MapPlace: <http://www.em.gov.bc.ca/Mining/Geolsurv/MapPlace/>

Mineral Titles Online: <http://www.mtonline.gov.bc.ca/>

MINFILE: <http://www.em.gov.bc.ca/Mining/Geolsurv/Minfile/>

ARIS: <http://www.em.gov.bc.ca/Mining/Geolsurv/Aris/default.htm>

# Nahmint Property



## Legend

- Mineral Tenures
- Land Act Crown Grants
- Forest Tenures
- Surveyed Parcel Base - Cadastre
- Transportation - Points (1:250K)
- Airfield
- Anchorage - Seaplane
- Ferry Route
- Heliport
- Seaplane Base
- Air Field
- Airport
- Air Feature - Condition Unknown
- Airport.Abandoned
- Transportation - Lines (1:250K)
- Ferry Route
- Aerial Cableway
- Road (Gravel Undivided) - 1 Lane
- Road (Gravel Undivided) - 3 Lanes
- Road - Paved.lanes.2or More.Divided
- Road (Paved Undivided) - Not Elevated - 1 Lane
- Road (Paved Undivided) - Not Elevated - 2 Lanes
- Road - Paved.lanes.3or More.Undivided
- Road (Unimproved)
- Road - Loose.access Dry Weather
- Road (Winter Road)
- Road - Paved.lanes.2.Undivided
- Road - Paved.lanes.2.Undivided.U/C
- Road - Paved.Divided.access.Non Standard
- Track - Cart/Tractor
- Causeway (Railway)
- Cut (Roadway)
- Trail

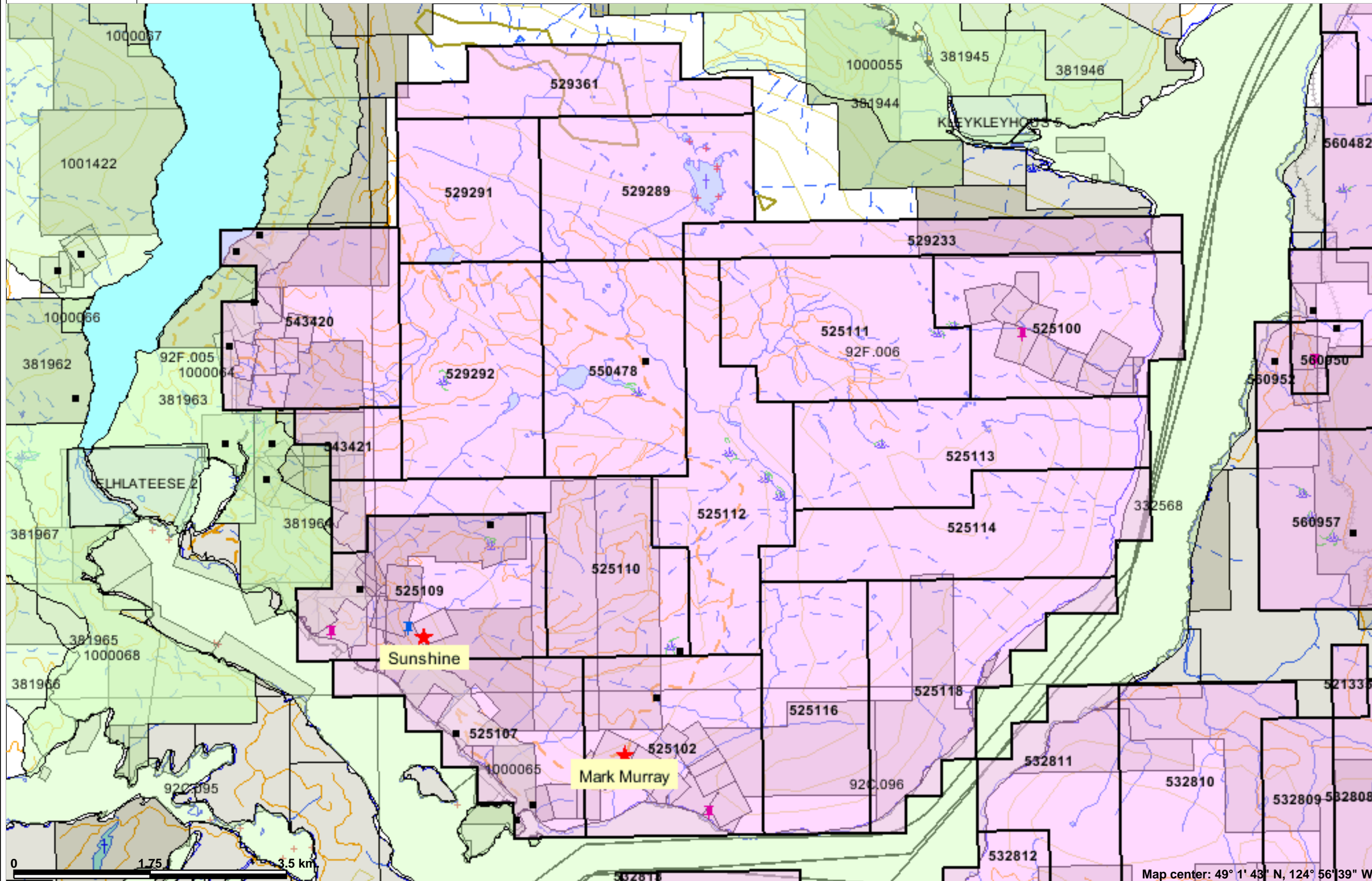


Scale: 1:100,000

Map center: 49°1' N, 124°56' W

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

# Nahmint Property Mapping and Sampling June 2007



### Legend

**MINFILE Status**

- Producer
- Past Producer
- Developed Prospect
- All others

**Indian Reserves**

- National Parks
- Parks

**Mineral Tenure (current)**

- Mineral Claim
- Mineral Lease

**Mineral Reserves (current)**

- Placer Claim Designation
- Placer Lease Designation
- No Staking Reserve
- Conditional Reserve
- Release Required Reserve
- Surface Restriction
- Recreation Area
- Others

**First Nations Treaty Lands**

- Surveyed Transport
- Survey Parcel Right of Ways
- Survey Parcels
- BCGS Grid

**Contours (1:250K)**

- Contour - Index
- Contour - Intermediate
- Area of Exclusion
- Area of Indefinite Contours

**Transportation - Points (TRIM)**

- Helipad

**Transportation - Lines (TRIM)**

- Airfield
- Airport
- Airstrip
- Airport.Abandoned
- Ferry Route
- Road (Gravel Undivided) - 1 Lane
- Road (Gravel Undivided) - 2 Lanes
- Road (Gravel Undivided) - U/C - 1 Lane
- Road (Gravel Undivided) - U/C - 2 Lanes
- Road (Paved Divided) - Not Elevated - 1 Lane Each Way
- Road (Paved Divided) - Not Elevated - 2 Lanes Each Way
- Road (Paved Divided) - U/C - Not Elevated - 2 Lanes Each Way
- Road (Paved Undivided) - Not Elevated - 1 Lane
- Road (Paved Undivided) - Not Elevated - 2 Lanes
- Road (Paved Undivided) - Not Elevated

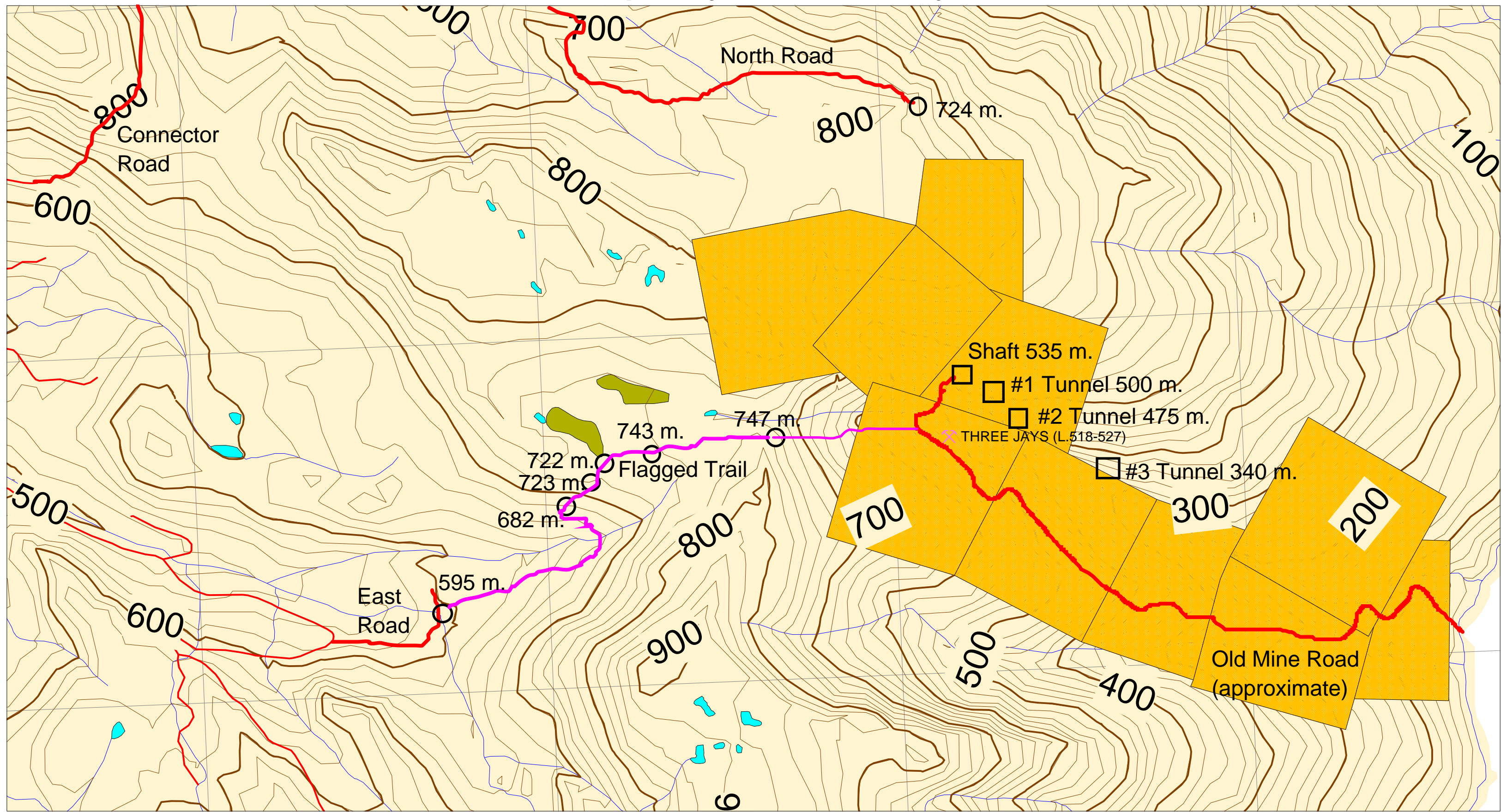
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Scale: 1:50,000

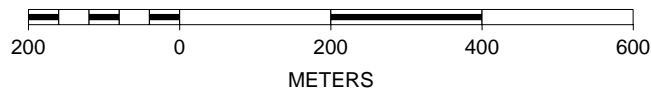
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# Nahmint Property Three Jays Access

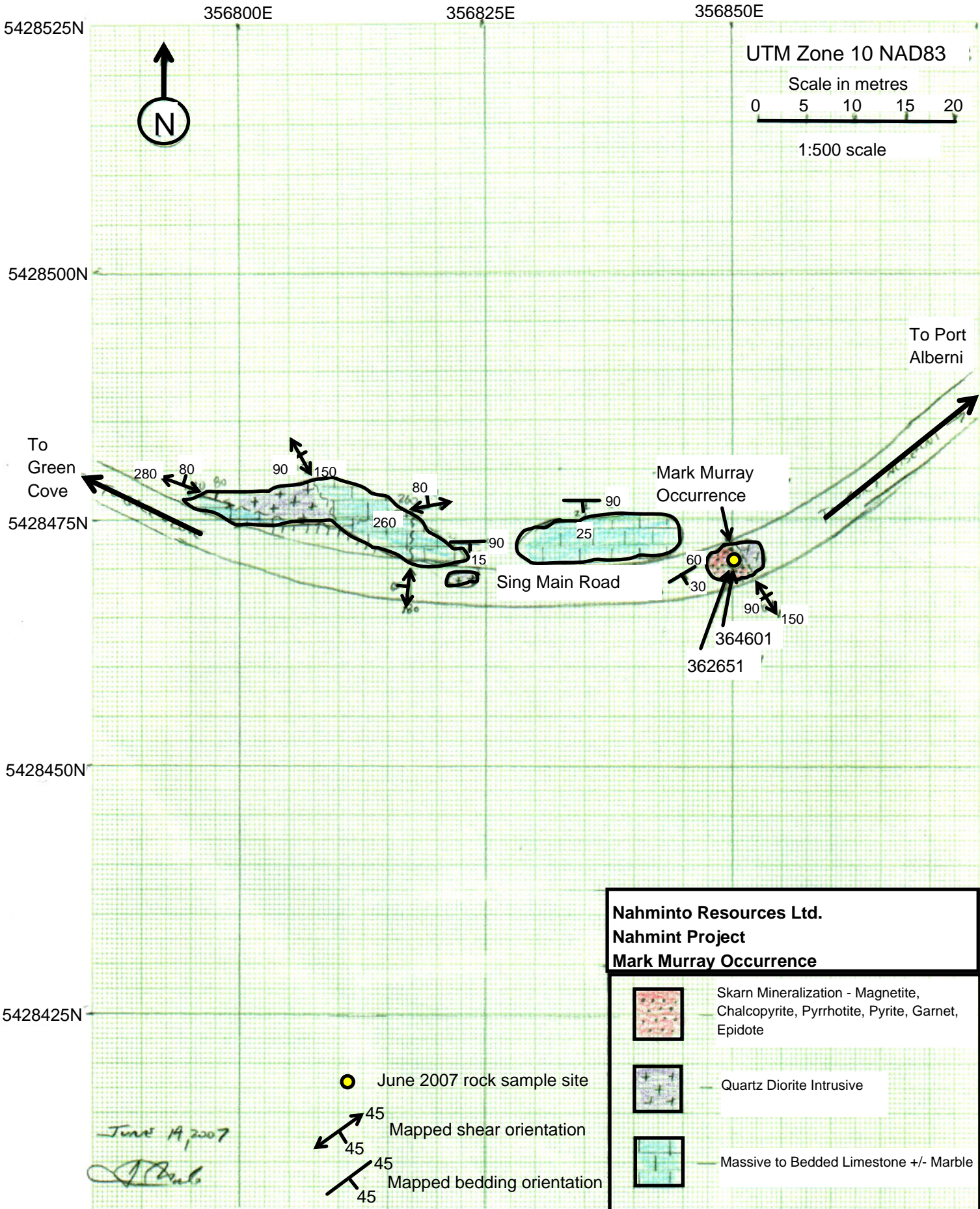


SCALE 1 : 10,000



METERS







354300E

354325E

354350E

5430100N



UTM Zone 10 NAD83

Scale in metres



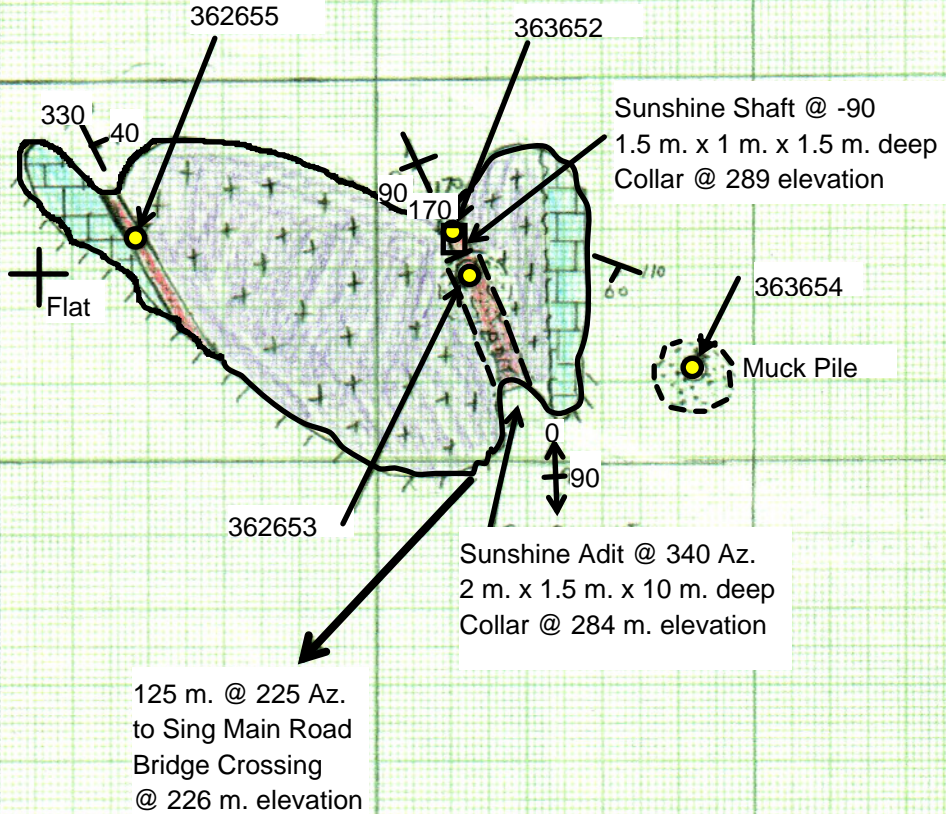
1:500 scale

5430075N

5430050N

5430025N

5430000N



**Nahminto Resources Ltd.**

**Nahmint Project**

**Sunshine Occurrence**



Skarn Mineralization - Magnetite,  
Chalcopyrite, Pyrrhotite, Pyrite, Garnet,  
Epidote



Quartz Diorite Intrusive



Massive to Bedded Limestone +/- Marble



June 2007 rock sample site



45  
Mapped shear orientation



45  
Mapped bedding orientation

June 21, 2007  
*[Signature]*

**2007 Rock Sample Locations for Nahmint Project**

Sample #	Date	Sampler	Property	Location	Details	Easting	Northing	Elevation
364601	Jun-13-2007	McMaster, H.	Nahmint	select outcrop grab from roadbed on former Green Mountain c.g.	0.2 m.+ thick skarn mineralization @ 060/30 exposed over 2x2 m. 1-2 m. west of intrusive contact @ 150/90	356847	5428456	402
362651	Jun-14-2007	Houle, J.	Nahmint	select outcrop grab from roadbed on former Green Mountain c.g.	0.2 m.+ thick skarn mineralization @ 060/30 exposed over 2x2 m. 0-1 m. west of intrusive contact @ 150/90	356847	5428456	402
362652	Jun-21-2007	Houle, J.	Nahmint	select outcrop grab from shaft collar on former Sunshine c.g.	1.0 m. thick skarn mineralization @ 170/90 exposed over 1.5 m. vertical depth - sheared contacts within intrusive	354329	5430066	289
362653	Jun-21-2007	Houle, J.	Nahmint	select outcrop grab from adit back near face directly under shaft	1.0 m. thick skarn mineralization @ 350/70 exposed over 7 m. in back of adit - sheared contacts within intrusive	354329	5430066	284
362654	Jun-21-2007	Houle, J.	Nahmint	select muck pile grab 25 m. and downhill from shaft and adit	0.5 m. thick, oxidized and broken rock pile on slope exposed over 2x2 m.	354347	5430057	284
362655	Jun-21-2007	Houle, J.	Nahmint	select outcrop grab from skarn zone in bluff 20 m. west of shaft, ad	1.0 m. thick skarn mineralization @ 330/40 exposed over 3 m. dip length with limestone footwall, intrusive hanging	354309	5430062	278

**2007 Sample Descriptions for Nahmint Project**

Sample #	Description				
364601	Iron/Copper Exoskarn - consisting of 40% f.g. Mt. matrix, 25% Cpy. In 0.5-3 mm. weakly foliated aggregates, 15% Po./Py.. In 0.5-3 mm. weakly foliated aggregates zoned in bands oblique to foliation, 10% chalcidonic Qtz. 5% Pyroxene, 5% FeOx				
362651	Iron/Copper Endoskarn - strongly foliated with parallel zoning, consisting of 5-40% f.g. to m.g. Mt. in masses and lathes, 5-20% Cpy, 5% Po./Py, 0-5% Bo in semi-massive bands and stockwork stringers, 10-50% yellow garnets, 10-40% Pyroxene, 5-10% chalcidonic Q				
362652	Copper Endoskarn - fractured, weakly foliated, consisting of 20% Po/Py, 10% Cpy, 10% Bo, 5% Mt, 2% Asp?, 1% Sph?, 1% Gal?, 1% Tet? In fractured aggregates and stockworks, 35% Actinolite, 10% Pyroxene, 5% chalcidonic Qtz., 5% Garnets				
362653	Copper Exoskarn/Endoskarn - fractured, weakly foliated, consisting of 5-10% Cpy, 0-5% Bo, 5% chalcidonic Qtz as zoned stockwork stringers and f.g. aggregates, in matrix consisting of 5-75% Pyrrhotite, 5-75% Actinolite, 0-15% Garnets, 0-5% Pyroxene				
362654	Copper Endoskarn/Exoskarn - fractured, well foliated, consisting of 40% Cpy, 20% Bo, 10% Po as semi-massive and banded to net-textured sulphides with interstitial silicates consisting of 10% garnets, 10% pyroxene, 10% chalcidonic quartz				
362655	Iron Endoskarn - well foliated and folded, consisting of 40% Mt as radiating to booklike to massive aggregates with 15% Pyroxene, 15% Actinolite, 15% Garnets, 5% Tet?, 5% Calcite, 5% FeOx rimming vugs				

Abbreviations:

f.g fine grained  
m.g. medium grained  
Asp Arsenopyrite  
Bo Bornite  
Mt Magnetite  
Po Pyrrhotite  
Py Pyrite  
Qtz Quartz  
Sph Sphalerite  
Tet Tetrahedrite  
FeOx Iron Oxide





From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT  
To Houle, Jacques

Acme file # A704366 Received: JUL 11 2007 \* 8 samples in this disk file.

Analysis: GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.

ELEMENT	Au**	Sample
SAMPLES	gm/mt	kg
G-1	0.32	-
362651	0.01	2.7
362652	<.01	3.4
362653	0.03	2.8
362654	0.05	3
362655	0.02	3
364601	0.02	0.9
STANDARD	5.89	-

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT

To Houle, Jacques

Acme file # A704366 Received: JUL 11 2007 \* 8 samples in this disk file.

Analysis: GROUP 7AX - 1.000 GM SAMPLE LEACHED WITH 30 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 100 ML, ANALYSED BY ICP-ES AND ICP-MS.

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
G-1	<.5	3.1	4.4	52	<.5	3.9	4.4	568	2.06	<.5	2.6	4.7	64	<.5	<.5	<.5	40	0.56	0.087	11	13.3	0.67	211	0.157	1.14	0.08	0.56	0.5	<.05	2.2	<.5	<.5	5	<.2
362651	3.4	19123.6	6.8	2588	4.1	<.5	351	3126	28.47	55	1.3	<.5	<.5	20.1	0.7	20.6	<.10	6.01	0.007	<.5	1.2	0.18	5	0.003	0.12	<.01	<.01	13.4	0.56	2.6	<.5	10.9	<.5	33
362652	1.1	4092	11.2	5	1	<.5	35.6	1318	29.7	45	1	<.5	<.5	<.5	1.1	5.1	<.10	0.68	0.014	<.5	2.5	0.27	6	0.001	0.03	<.01	<.01	0.8	0.11	<.5	<.5	19.1	<.5	35
362653	1.6	36968.2	8	755	8.7	4.4	1199	765	37.06	727	0.6	<.5	10	6.3	1.1	4.9	<.10	2.31	0.005	<.5	<.5	0.59	32	0.001	0.56	<.01	<.01	<.5	1.18	0.7	<.5	27	<.5	99
362654	0.7	150007.5	8.3	3945	29	7.6	690.7	639	36.27	116	<.5	<.5	<.5	30.4	1.4	3.9	19	0.04	0.006	<.5	<.5	1.73	13	0.002	2.21	<.01	<.01	<.5	9.16	<.5	<.5	27.8	<.5	137
362655	13.6	1317.6	3.1	113	<.5	<.5	47.4	2023	20.85	35	1.7	<.5	5	0.7	0.6	0.5	<.10	3.42	0.009	<.5	0.9	0.53	25	0.002	0.21	<.01	<.01	21.6	0.08	<.5	<.5	<.5	<.5	<.2
364601	13.6	44948.4	18.5	459	14.9	<.5	632	2059	36.33	768	<.5	<.5	<.5	6	1.8	5.4	<.10	1.55	0.006	<.5	0.6	0.4	25	0.001	0.07	<.01	<.01	4	0.35	1.7	<.5	7.6	<.5	71
STANDARD	315.4	7844.1	9541	11039	51.7	3605	184.7	4033	7.82	46	3.9	3	56	50.7	11	5.2	112	2.63	0.058	9.5	172.8	4.45	264	0.118	1.03	0.47	1.02	3.2	0.52	3	3	4.1	5	8

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT  
 To Houle, Jacques

Acme file # A704366 Received: JUL 11 2007 \* 8 samples in this disk file.

Analysis: GROUP 1F30 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS.

ELEMENT	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Sample
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	gm
G-1	3.16	<.1	0.07	0.36	43.2	0.5	<.05	1.3	4.23	16	<.02	<1	0.3	37.3	<10	<2	30
362651	0.04	1.7	<.02	0.12	0.2	0.2	<.05	0.3	0.53	0.3	0.42	3	0.5	0.1	<10	<2	30
362652	0.1	0.6	<.02	0.13	0.1	0.1	<.05	0.3	0.83	0.2	0.06	1	0.4	<.1	<10	<2	30
362653	0.08	0.6	<.02	0.15	0.1	0.2	<.05	0.2	0.45	0.3	0.47	<1	<.1	0.4	12	<2	30
362654	0.09	0.5	<.02	0.14	0.1	0.2	<.05	<.1	0.11	<.1	2.37	2	<.1	0.4	<10	<2	30
362655	0.08	1.3	<.02	0.09	0.2	0.1	<.05	0.3	0.32	0.5	0.05	1	0.5	0.2	<10	<2	30
364601	0.05	1.5	<.02	0.14	0.1	0.1	<.05	0.5	0.4	0.1	0.7	<1	1.3	<.1	<10	<2	30
STANDARD	6.28	0.1	0.14	0.62	37.8	5.3	<.05	5.9	5.57	40	1.75	7	2.3	31.7	69	36	30

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT

To Houle, Jacques

Acme file # A704366 Received: JUL 11 2007 \* 8 samples in this disk file.

Analysis: GROUP 1F30 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS.

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
SAMPLES	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
G-1	0.11	1.64	3.16	42.9	18	3.8	4.1	515	1.89	1.2	1.9	0.8	3.9	58	0.01	0.05	0.11	33	0.49	0.08	8.4	11.6	0.62	203.6	0.114	2	1.03	0.085	0.51	0.4	2	0.32	<.01	8	<.1	<.02	4.7
362651	3.15	>10000	5.45	2352	4212	1	344.4	2616	27.65	45.2	0.8	5.3	<.1	3.3	20.69	0.18	18.19	<2	4.84	0.006	<.5	1.1	0.14	4.8	0.002	<1	0.07	0.002	<.01	7.5	0.3	0.07	>10	534	38	11.66	2.1
362652	0.94	3703.9	9.42	22.4	1087	1.2	33.3	1340	29.26	36.7	0.8	2.4	<.1	1.2	0.24	0.22	4.71	<2	0.59	0.01	<.5	0.9	0.26	4.8	0.001	15	0.02	0.001	<.01	0.4	<.1	0.06	>10	85	33.7	1.78	0.5
362653	1.36	>10000	7.64	643.8	10012	6	1249	750	36.22	690.8	0.6	40.6	<.1	11	7.65	0.35	5.27	<2	2.1	0.005	<.5	<.5	0.49	8.5	0.001	<1	0.52	0.001	<.01	0.3	0.3	0.11	>10	1397	97.2	3.54	1.9
362654	0.41	>10000	2.52	3494	31797	5.7	702.5	636	37.25	131.5	0.2	76.2	<.1	1	30.5	0.25	4.03	10	0.04	0.005	<.5	<.5	1.58	12.7	0.002	<1	1.95	<.001	<.01	<.1	0.2	0.26	7.69	9539	125.5	8.41	4
362655	9.22	1384.8	2.53	82.7	529	0.8	42.6	1923	17.78	32.4	1.3	<.2	<.1	4.8	0.67	0.36	0.48	<2	2.97	0.006	<.5	0.8	0.45	24.2	0.001	<1	0.19	0.003	<.01	11.1	0.2	<.02	0.5	98	2.1	0.26	1.9
364601	12.21	>10000	15.86	366.6	15823	0.6	634.6	2103	34.18	712.3	0.3	22.4	<.1	1.9	6.68	0.34	5.13	<2	1.39	0.004	<.5	1.1	0.34	18.8	0.001	<1	0.04	0.004	<.01	2.3	0.6	0.1	8.06	315	74.7	2.85	1.6
STANDARD	19.98	106.01	73.1	416.3	899	53.5	10	639	2.44	48.5	5.5	70	5.1	74.6	6.8	5.58	4.86	84	0.96	0.073	14.5	196.2	1.08	394.7	0.116	42	1.03	0.097	0.42	4.2	2.8	4.25	0.22	213	3.7	1.02	4.7

## Confirmation of Request for Analyses

*(Please DO NOT fax back to ACME  
unless there are changes to be made.)*

File No. **A704366**

Date: **July 11, 2007**

<b>To:</b> Name: Jacques Houle	<b>From:</b> Name: Angelo/Raymond/Clarence
Company: Houle, Jacques	
E-mail:	Phone: (604) 2533158
Fax:	Fax: (604) 253-1716
Project:	E-mail: tech@acmelab.com

# of Samples: **6** Sample Type: **Rock** Date Received: **July 11, 2007**

First sample name: **362651**

Last sample name: **364601**

Analysis Requested:

Group 1F-MS (30gm)+OPT-FA  
Group 7AX (1.0gm/100ml)-FA

Group 6 (1.0AT)+Au-(gm/t)

(Please review carefully and notify us of any changes to be made.)

Estimated date of completion: **JUL 27 2007**

### STORAGE:

Unless we receive further instructions, coarse rejects and pulps will be discarded after three months. Please refer to our price schedule for storage charges.

Please note the following missing / extra samples were noted in the sample sequence.

Missing Samples: \_\_\_\_\_

Do you want us to hold analysis until the samples are received?

Hold analysis \*\* Missing samples will be sent to Acme on \_\_\_\_\_

Proceed with analysis

Extra Samples: \_\_\_\_\_

Discard / disregard extra samples

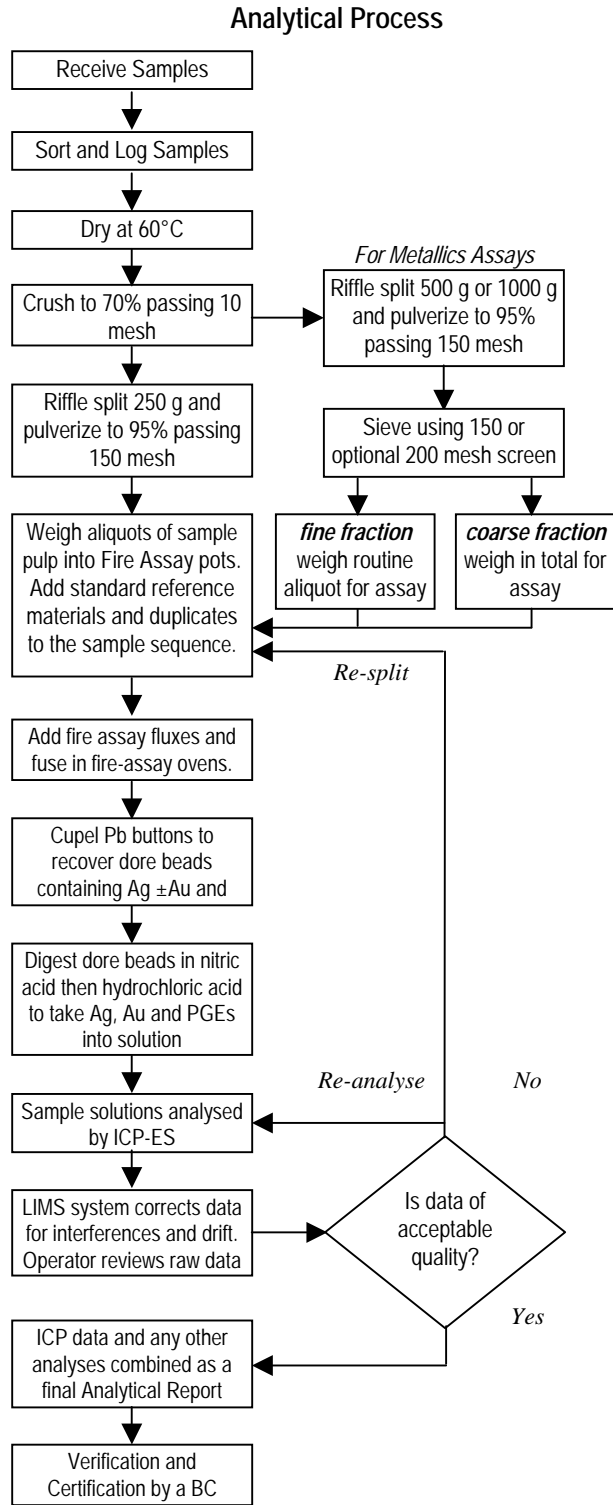
Include extra samples in analysis

Date: \_\_\_\_\_

\_\_\_\_\_  
Authorizing Name or Signature Required



## METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 6 – PRECIOUS METALS ASSAY



### Comments

#### Sample Preparation

Rock and drill core are jaw crushed to 70% passing 10 mesh (2 mm), a 250 g riffle split is then pulverized to 95% passing 150 mesh (100  $\mu$ m) in a mild-steel ring-and-puck mill. One assay ton aliquots (29.2 g) are weighed into fire assay crucibles. Option for 2 assay-ton aliquots is available on request. Smaller aliquots of  $\frac{1}{4}$  or  $\frac{1}{2}$  assay ton may be required with difficult ore matrices.

**Metallics Assay:** A 500 g reject split (or optional 1000 g) is pulverized to 95% passing 150 mesh. Screening the pulp gives a fine and coarse fraction (containing any coarse gold) for assaying.

#### Sample Digestion

The sample aliquot is custom blended with fire assay fluxes, PbO litharge and a Ag inquant. Firing the charge at 1050°C liberates Au  $\pm$  PGEs that report to the molten Pb-metal phase. After cooling the Pb button is recovered placed in a cupel and fired at 950°C to render a Ag  $\pm$  Au  $\pm$  PGEs dore bead. The bead is weighed and parted (i.e. leached in 1 mL of hot HNO<sub>3</sub>) to dissolve Ag leaving a Au sponge. Adding 10 mL of HCl dissolves the Au  $\pm$  PGE sponge. A Rh fire assay requires inquanting with Au.

#### Sample Analysis

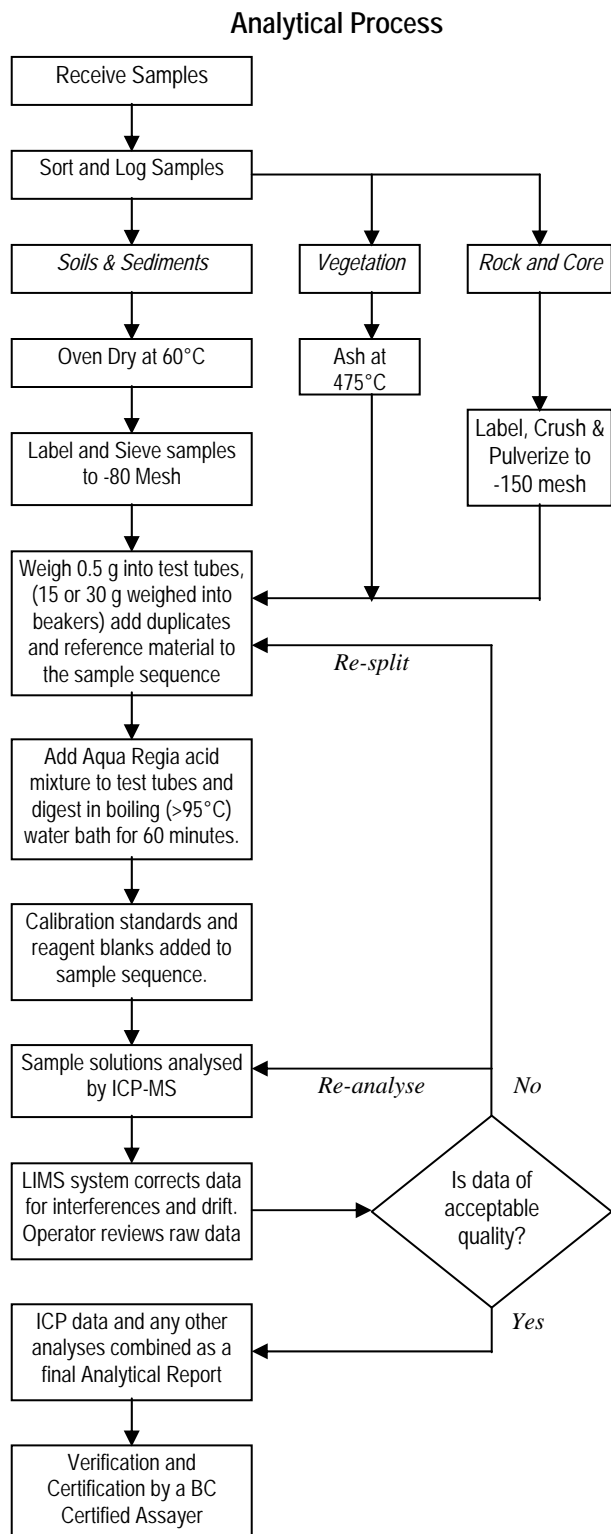
Solutions are analysed for Ag, Au, Pt, Pd and Rh on a Jarrel-Ash Atomcomp model 975 ICP emission spectrometer. Au in excess of 30 g/t forms a large sponge that can be weighed (gravimetric finish). Ag in excess of 300 g/t is reported from the fire assay solution otherwise a separate split is digested in aqua regia and analysed by ICP-ES.

**Metallics Assay:** The coarse fraction is assayed in total. An aliquot of the fine fraction is assayed. Results report the total Au in the coarse fraction, the fine-fraction Au concentration and a weighted average Au concentration for the entire sample.

#### Quality Control and Data Verification

An Analytical Batch (1 page) comprises 34 samples. QA/QC protocol incorporates a sample-prep blank (SI or G-1) as the first sample carried through all stages of preparation to analysis, a pulp duplicate to monitor analytical precision, a -10 mesh rejects duplicate to monitor sub-sampling variation (drill core only), two reagent blanks to measure background and aliquots of Rocklabs Certified Reference Materials like OxL34 to monitor accuracy. Raw and final data undergo a final verification by a British Columbia Certified Assayer who signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Leo Arciaga, Ken Kwok, Marcus Lau, Dean Toye and Jacky Wang.

## METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 1F-MS – ULTRATRACE ICP-MS ANALYSIS • AQUA REGIA



### Comments

#### Sample Preparation

All samples are dried at 60°C. Soil and sediment are sieved to -80 mesh (-177 µm). Moss-mats are disaggregated then sieved to yield -80 mesh sediment. Vegetation is pulverized or ashed (475°C). Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g riffle split is then pulverized to 95% passing 150 mesh (100 µm) in a mild-steel ring-and-puck mill. Pulp splits of 0.5 g are weighed into test tubes, 15 and 30 g splits are weighed into beakers.

#### Sample Digestion

A modified Aqua Regia solution of equal parts concentrated ACS grade HCl and HNO<sub>3</sub> and de-mineralised H<sub>2</sub>O is added to each sample (6 mL/g) to leach in a hot-water bath (-95°C) for one hour. After cooling the solution is made up to a final volume with 5% HCl. Sample weight to solution volume ratio is 0.5 g per 10 mL.

#### Sample Analysis

Solutions aspirated into a Perkin Elmer Elan 6000 or 9000 ICP mass spectrometer are analysed for the Basic package comprising 37 elements: Au, Ag, Al, As, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Hg, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Se, Sr, Te, Th, Ti, Tl, U, V, W and Zn. The Full package adds the 14 following elements: Be, Ce, Cs, Ge, Hg, In, Li, Nb, Rb, Re, Sn, Ta, Ta, Y, Zr, Pd and Pt. Larger sample splits are recommended for better analytical precision on elements subject to nugget effects (eg. Au, Pt).

#### Quality Control and Data Verification

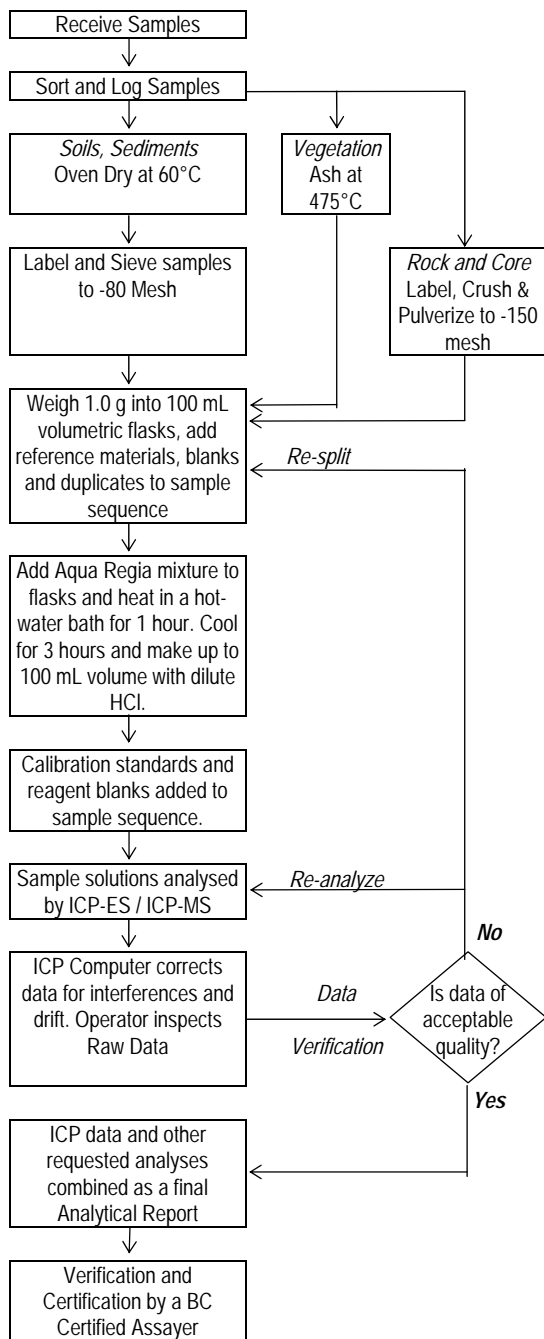
An Analytical Batch (1 page) comprises 36 samples. QA/QC protocol incorporates a sample-prep blank (G-1) carried through all stages of preparation and analysis as the first sample, a pulp duplicate to monitor analytical precision, a -10 mesh rejects duplicate to monitor sub-sampling variation (drill core only), a reagent blank to measure background and an aliquot of in-house Standard Reference Materials like STD DS7 to monitor accuracy.

Raw and final data undergo a final verification by a British Columbia Certified Assayer who signs the Analytical Report before it is released to the client.



## METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 7AX – MULTI-ELEMENT ASSAY BY ICP-ES • AQUA REGIA DIGEST

### Analytical Process



### Comments

#### Sample Preparation

Assaying is warranted for representative well-mineralized samples (eg. Cu > 1%). Samples are dried at 60°C. Soil, sediment and moss mats (after pounding) are sieved to -80 mesh (-177 µm). Vegetation is dried (60°C) and pulverized or ashed (475°C). Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g aliquot is riffle split and pulverized to 95% passing 150 mesh (100 µm) in a mild-steel ring-and-puck mill. Aliquots of 1.000 ± 0.002 g are weighed into 100 mL volumetric flasks. Acme's QA/QC protocol requires one pulp duplicate to monitor analytical precision and a blanks and aliquot of in-house reference material STD SF-2a to monitor accuracy in each batch of 36 samples. Trench and drill core programs will also include a pulp made from a 2<sup>nd</sup> crushed fraction split (rejects duplicate) to measure method precision.

#### Sample Digestion

30 mL of Aqua Regia, a 2:2:2 mixture of ACS grade concentrated HCl, concentrated HNO<sub>3</sub> and de-mineralised H<sub>2</sub>O, is added to each sample. Samples are digested for one hour in a hot water bath (>95°C). After cooling for 3 hrs, solutions are made up to volume (100 mL) with dilute (5%) HCl. Very high-grade samples may require a 1 g to 250 mL or 0.25 g to 250 mL sample/solution ratio for accurate determination. Acme's QA/QC protocol requires simultaneous digestion of two reagent blanks inserted in each batch.

#### Sample Analysis

Solutions are aspirated into a Spectro Ciros Vision ICP atomic-emission spectrometer followed by analysis by Perkin Elmer Elan 6000 or 9000 ICP Mass spectrometer analysed for a 35 element package comprising: Ag, Al, As, Ba, Bi, Ca, Cd, Ce, Co, Cr, Cu, Fe, Ga, Hg, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Se, Sr, Th, Ti, Tl, U, V, W and Zn. Very high grade samples may require a 0.4 g to 100 mL or 0.25 g to 250 mL sample to solution ratio for accurate determination.

#### Data Evaluation

Raw and final data undergoes a final verification by a British Columbia Certified Assayer who then signs the Analytical Report before it is released to the client.

**Cost Report for Nahmint Property Geological Mapping and Sampling - June, 2007**

Date	Item Description	Item Details	Units	No. Units	Unit Cost	Item Cost
Jun-11-2007	Geologist in field	property orientation visit by J. Houle	days	0.95	\$ 636.00	\$ 604.20
	Project Manager	property orientation visit led by H. McMaster	days	1.00	\$ 400.00	\$ 400.00
	4x4 Truck	1998 Ford owned by Houle	days	0.85	\$ 254.40	\$ 216.24
Jun-13-2007	Geologist in office	compile and review project information	days	0.60	\$ 636.00	\$ 381.60
	Office Equipment	computer	days	0.60	\$ 63.60	\$ 38.16
Jun-14-2007	Geologist in field	traversing, mapping, sampling by J. Houle	days	1.00	\$ 636.00	\$ 636.00
	Field Assistant	traversing, hand trenching by D. McMaster	days	1.00	\$ 100.00	\$ 100.00
	Field Equipment	GPS, compass, sampling tools and supplies	days	0.45	\$ 63.60	\$ 28.62
	4x4 Truck	1998 Ford owned by Houle	days	0.55	\$ 254.40	\$ 139.92
	Per Diem	1 overnight in Port Alberni by Houle	days	1.00	\$ 127.20	\$ 127.20
Jun-15-2007	Geologist in field	traverse to Three Jays by J. Houle	days	1.00	\$ 636.00	\$ 636.00
	Field Assistant	traverse by D. McMaster	days	1.00	\$ 100.00	\$ 100.00
	Field Equipment	GPS, compass, flagging	days	0.40	\$ 63.60	\$ 25.44
	4x4 Truck	1998 Ford owned by Houle	days	0.50	\$ 254.40	\$ 127.20
Jun-19-2007	Geologist in office	plotting, microscope rock descriptions by Houle	days	0.20	\$ 636.00	\$ 127.20
	Office Equipment	computer, microscope, light table	days	0.20	\$ 63.60	\$ 12.72
Jun-21-2007	Geologist in field	traversing, mapping, sampling by J. Houle	days	1.00	\$ 636.00	\$ 636.00
	Field Assistant	traversing and hand trenching by D. McMaster	days	1.00	\$ 100.00	\$ 100.00
	Field Equipment	GPS, compass, sampling tools and supplies	days	0.50	\$ 63.60	\$ 31.80
	4x4 Truck	1998 Ford owned by Houle	days	0.60	\$ 254.40	\$ 152.64
Jun-22-2007	Geologist in office	microscopic rock descriptions by Houle	days	0.15	\$ 636.00	\$ 95.40
	Office Equipment	computer, microscope	days	0.15	\$ 63.60	\$ 9.54
Jun-25-2007	Geologist in office	plotting, cost report preparation by Houle	days	0.30	\$ 636.00	\$ 190.80
	Office Equipment	computer, light table	days	0.30	\$ 63.60	\$ 19.08
Jun-27-2007	Geologist in office	plotting, preparing samples by Houle	days	0.15	\$ 636.00	\$ 95.40
	Office Equipment	computer	days	0.15	\$ 63.60	\$ 9.54
Jul-04-2007	BPX samples	rock samples shipment by Greyhound				\$ 26.28
Jul-04-2007	Geologist in office	prepare report	days	0.85	\$ 636.00	\$ 540.60
	Office Equipment	computer	days	0.85	\$ 63.60	\$ 54.06
Jul-05-2007	Geologist in office	prepare report	days	0.75	\$ 636.00	\$ 477.00
	Office Equipment	computer	days	0.75	\$ 63.60	\$ 47.70
Jul-06-2007	Geologist in office	prepare report	days	0.80	\$ 636.00	\$ 508.80
	Office Equipment	computer	days	0.80	\$ 63.60	\$ 50.88
Jul-07-2007	Geologist in office	prepare report	days	1.00	\$ 636.00	\$ 636.00
	Office Equipment	computer	days	1.00	\$ 63.60	\$ 63.60
Jul-08-2007	Geologist in office	prepare report	days	0.60	\$ 636.00	\$ 381.60
	Office Equipment	computer	days	0.60	\$ 63.60	\$ 38.16
<b>TOTALS</b>						<b>\$ 7,865.38</b>