Geological Report

on the

Nimpkish Group

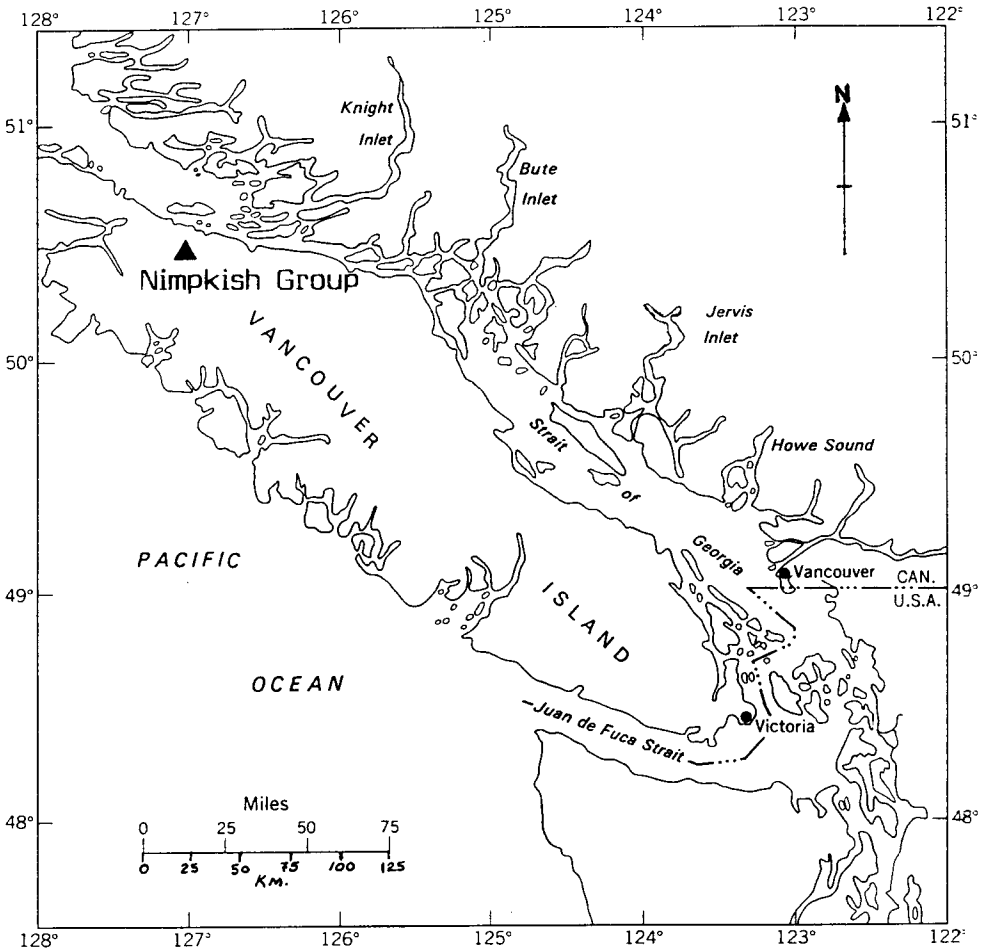
NTS 92L 7W Lat. 50°22'N Long. 126°52'W

Nanaimo Mining Division

James W. Laird

Prospector

June 1990



Nimpkish Group

Property Location Map

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Introduction

This report details the results of a preliminary program of geological mapping, prospecting, and rock sampling on the Nimpkish Claim Group of 87 metric units, situated between Nimpkish and Bonanza Lakes on Northern Vancouver Island, in the Nanaimo Mining Division. The Nimpkish Group is owned and operated by James W. Laird of 3868 Mt. Seymour Parkway, North Vancouver, B.C.

Summary

The claims were staked to cover favorable geologic areas with some reported showings of bornite, galena, and magnetite in skarns and replacements (Minfile 92L 073, 121), and a possible copper/gold porphyry environment reported near Mt. Hoy (Gunning 1931). During the program, several new showings of chalcopyrite, bornite, sphalerite, galena, and magnetite were located, with additional assay values in gold, silver, cadmium, bismuth, and cobalt. Also, a large tonnage of pure, fine to coarse-grained high calcium marble and limestone occurs near Noomas Creek and on the Noomas Plateau, and is suitable for any industrial or decorative purpose.

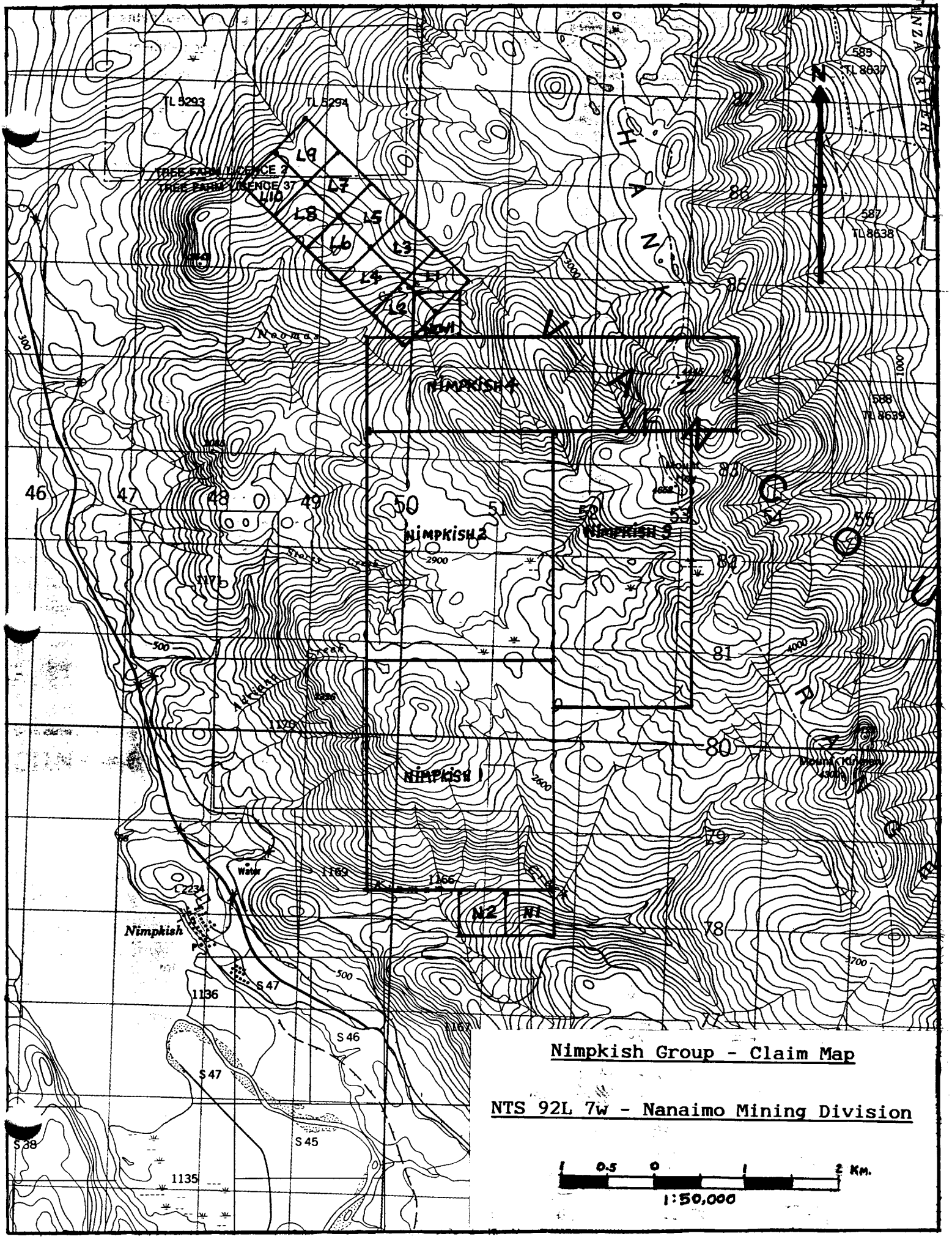
Field work was mainly carried out by James Laird, with mapping, sampling, and report preparation assistance from geologists Tiro Clarke, B.Sc. and Kathleen Dixon, B.Sc.

Location, Access, and Topography

The Nimpkish Group is located approximately 30 km. southeast of Port McNeill via the Island Highway, then by 4 km. of gravel logging road up Noomas Creek to the northern section of the claims, or by 2 km. of gravel logging road up Kinman Creek to the southern section. The Noomas Creek area has been recently logged off on the L claims, and on the western side of the Nimpkish 2 & 4 claims. The southern section has been logged on the south side of Kinman Creek on the N1 & N2 claims, and is currently undergoing road building and logging on the north side of Kinman Creek, on the Nimpkish 1 claim. Extensive logging and road building is planned in areas of favorable geology for 1990 and beyond.

Elevation varies from 700' at the southwest end of the group on Kinman Creek, to 4652' on Mt. Hoy. Topography is moderate to rugged, with deeply eroded streams and local cliffs slowing traverses. However, most of the central and northern claim area is underlain by an elevated plateau, and is open and park-like in areas of first-growth trees. Outcrop exposure is excellent in steeper areas and streams, but is moderate to poor on the plateaus.

Another feature of note is widespread Karst topography in areas underlain by limestone and marble, causing large caves and sinkholes, even in areas with no outcrop. A large cave, locally called Giant's Cave, has recently been found by timber cruisers on the Noomas Plateau.



Nimpkish Group - Claim Map

NTS 92L 7w - Nanaimo Mining Division

1 0.5 0 1 2 Km.

1:50,000

Environment

The climate of the Nimpkish area is mostly mild and wet, with about 400 cm. of rain annually. Heavy snowfall covers the higher areas from late November to early April, but seldom persists at lower elevations for more than a few weeks in January and February.

First-growth forest covers a large part of the claims, with red cedar, fir, hemlock, spruce, and yellow cedar being harvested. Undergrowth is light in areas underlain by marble and limestone, but can been quite dense in lower elevation valley bottoms, and consists of mainly huckleberry, salal, and salmonberry. The claims area is covered by a Canfor Tree Farm Licence, and observed logging practices are of a high standard. Logging roads and bridges are well maintained and slashes are burned and replanted quickly.

Wildlife observed in the area include deer, black bear, and grouse, with cougar and wolf rarely seen. The local streams and lakes have resident trout and seasonal steelhead populations, but waterfalls eliminate upstream migrations on most streams in the claim area. No endangered wildlife species are present in the area, and deer ranges are managed, maintained, and rotated by Canfor under Provincial guidance.

No parks or preserves are proposed for the area, and are unlikely in the future. An exception to this may be the Giant's Cave on Noomas Plateau, and possibly other caves remaining to be discovered.

Nimpkish Group - List of Claims

Claim Name	Record Number	Record Date	No. of Units
Nimpkish 1	3295	March 20,1989	20
Nimpkish 2	3296	March 21,1989	20
Nimpkish 3	3297	March 21,1989	18
Nimpkish 4	3298	March 21,1989	16
N1	3299	March 20,1989	1
N2	3300	March 20,1989	1
New 1	3301	March 21,1989	1
L1	3302	March 21,1989	1
L2	3303	March 21,1989	1
L3	3304	March 21,1989	1
L4	3305	March 21,1989	1
L5	3306	March 21,1989	1
L6	3307	March 21,1989	1
L7	3308	March 21,1989	1
L8	3309	March 21,1989	1
L9	3310	March 21,1989	1
L10	3311	March 21,1989	1

			87

Regional Geology

The Nimpkish Lake area is underlain by a conformable sequence comprised of, from oldest to youngest, Karmutsen Formation basalt, Quatsino Formation limestone, Parson's Bay Formation sediments and carbonates, and Bonanza Group sediments and volcanics, which are collectively known as the Vancouver Group. The age ranges from Upper Triassic to Late Jurassic.

Intruding the Vancouver Group are the Island Intrusions of Mid to Late Jurassic age, ranging in composition from gabbro to granite, with granodiorite and diorite being the commonest. Tertiary intrusive activity is known from some areas of Vancouver Island, but has not been identified in the Nimpkish map area as yet.

The regional structure appears to have originally been a geosynclinal basin between Nimpkish and Bonanza Lakes, but major faulting, uplift, folding, and intrusive activity has made interpretation difficult.

Regional Mineralization

Most of the major economic mineral deposits in the Vancouver Group are related to Jurassic intrusive activity, and can be classified as skarns, replacements, mantos, and related hydrothermal systems. Local structures, bedding, and lithology play an important part in forming the deposits.

Ore Deposits

Several mineral deposits in the Nimpkish Lake area have produced ore, notably the Klaanche magnetite deposit on the Nimpkish River, the Hab copper deposit near Steele Lake, and the Hazel Open Pit copper-zinc deposit on the Kinman Property. Also, a small tonnage of high-grade gold-copper ore has been drilled at the Kinman Adit, and a high-grade zinc-lead-copper ore zone has been drilled off at the Storey Creek Property. The East Hazel Zone on the Kinman Property may also contain mineable pods of gold-copper-zinc.

Property History

The Nimpkish Group area has been explored in the 1930's during the Kinman Copper boom but access was difficult and work was very limited. In the 1950's, during development of the Nimpkish Iron Mine, the Wolf magnetite deposits on upper Storey Creek were examined, but no detailed exploration took place, again due to access. In the late 1960's and early 1970's, some geochemistry and geophysics was done on the ridge between Storey and Kinman Creeks, but results were inconclusive. Regional geochemical and geophysical surveys show several anomalous areas on the Nimpkish Group.

Property Geology

The property covers strategic ground and favorable geology between the Kinman and Storey Properties, and several new mineralized zones have been located. The main focus for exploration is the contact area between the Quatsino limestone and the granodiorite intrusion, preferably in areas of structural deformation. Major regional structures cross the property, such as the Kinman anticline, and the Kinman Fault Zone. The fault has an estimated west-side down movement of at least 1 km., and is filled with slices, rotated blocks, and various intrusions.

Mineralization located to date is similar to the Kinman and Storey Properties, and is composed of skarns, mantos, replacements, and mineralized dikes. Of particular interest are the high-grade copper-zinc-silver showings near Noomas Creek, and the large tonnage, low-grade zinc-copper zone north of Storey Creek. The porphyry-style showings on Mt. Hoy and the Wolf zone have not been examined yet. Specimens of all types of mineralization were cut with a diamond saw and examined under a microscope to determine the nature of potential ores, and conductivity and magnetism were tested as well.

The higher-grade ores were usually rich in copper-iron sulphides, conductive, occasionally magnetic, with anomalous amounts of Bi, Co, and Sb. The presence of much sphalerite seems to indicate low gold content.

Conclusions and Recommendations

The work done to date on the property was of a mainly reconaissance nature, yet was successful in discovering several new potential ore zones worthy of further detailed work. The future logging activities in the claims area will certainly aid discovery and development. A large part of the property covering favorable geology remains unexplored. The large tonnage of pure marble near Noomas Creek has an excellent industrial mineral potential as well.

Detailed mapping, sampling, and trenching should be done on the ore-grade showings, with geochemistry and geophysics used to delineate and expand the zones. Prospecting and mapping along the favorable contacts and structures on other parts of the property should locate new mineralized zones for assessment. A year-round field season and excellent local services are a definite advantage to economical claim development. Future drill programs should be contingent upon results of the trenching and sampling.

Bibliography

B.C. EMPR Annual Reports - 1928 p. 379; 1929 p. 381-383; 1930 p. 298-300; 1965 p. 230; 1966 p. 68.

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Hoadley, J.W., 1953 - Geology and Mineral Deposits of the Zeballos-Nimpkish Area, Vancouver Island, GSC Memoir 272

Muller, J.E., Northcote, K.E., and Carlisle, D., 1974 - Geology and Mineral Deposits of the Alert Bay-Cape Scott Map Area, Vancouver Island, GSC Paper 74-8, Map 1552A

Statement of Expenses

Wages	
March 20,21,22	
Tiro Clarke - 3 days @ 200.00 pd -	600.00
March 22	
James Laird - 1 day @ 200.00 pd -	200.00
July 15	
James Laird - 1 day @ 200.00 pd -	200.00
November 17-24	
James Laird - 8 days @ 200.00 pd -	1600.00
March 13-17	
James Laird - 4 days @ 200.00 pd -	800.00
Total Wages -	3400.00
Expenses	
Accomodation -	250.57
Gas -	486.80
B.C. Ferries -	105.00
Photography -	78.98
Food -	366.22
Flagging, String, Sample Bags -	100.00
Air Photos -	324.84
Assays -	1353.50
4x4 Rental - 14 days @ 50.00 pd -	700.00
Report Costs -	300.00
Total Expenses -	4065.91
Grand Total -	7465.91

Statement of Qualifications

I, James W. Laird, do state that;

1. I reside and maintain a business office at 3868 Mt. Seymour Parkway, North Vancouver, B.C.

2. I am a self-employed prospector and mining exploration contractor and have been full-time for 10 years.

3. I have completed the EMPR course " Advanced Mineral Exploration for Prospectors , 1980 ".

4. I have extensively explored Vancouver Island for mineral deposits for several years and am very familiar with the geology and mines thereof.

5. I am the registered owner of the Nimpkish Group of 87 mineral claims.

James W. Laird

James W. Laird

June 1990

DECLARATION

I, Tiro Clarke of #301-357 E. 2nd St., North Vancouver, B.C., V7L 1C6, hereby certify that:

1. I graduated from the University of British Columbia with a B.Sc. in Geology in 1988.

2. I have practised geology since graduation.

3. Work detailed in this report was carried out or supervised by myself.

Date: June 13, 1990

Signature: Tiro Clarke

DECLARATION:

I, Kathleen Dixon of #301 - 357 East 2nd Street, North Vancouver, B.C., V7L 1C6, hereby certify that:

1. I graduated from the University of British Columbia with a B. Sc. in Geology in 1990.

2. I have practised geology since graduation.

3. Work detailed was carried out or supervised by myself.

Date: June 13, 1990

Signature: Kathleen Dixon

Sample Descriptions

And

Assays

Appendix 1

Sample Descriptions

(including anomalous values)

Noomas Creek Area

NORS-1 Roadside sub-crop of massive coarse pyrite intergrown with magnetite in a tan coloured siliceous garnetite. Magnetic, conductive. Fe 56.2% ; Cu 2838 ppm ; Pb 940 ppm ; Zn 1573 ppm.

NORS-2 Roadside sub-crop of massive to fine grained pyrite in densely fractured siliceous garnetite. Non-magnetic, non-conductive.

NORS-3 Granodiorite and marble contact zone, with fine grained disseminated pyrite in siliceous marble. Mildly magnetic, non-conductive.

NORS-4 Roadbed sub-crop of chalcopyrite veins in massive pyrite and marcasite (?) with scattered tan coloured garnet crystals. Alters to covellite, melanterite, and limonite. Non-magnetic, conductive. Cu 11.6% ; Ag 102 ppm ; As 238 ppm Bi 117 ppm ; Co 820 ppm ; Ni 902 ppm ; Zn 1854 ppm.

NORS-5 Diorite and marble contact zone, with magnetite and minor pyrite and chalcopyrite in a siliceous tan coloured garnetite and quartz. Magnetic, non-conductive. Cu 3086 ppm.

NORS-6 Granodiorite and marble contact zone, with sub-crop of crystalline diopside skarn with veinlets of quartz and greenish-brown garnet, scattered blebs of calcite, and some disseminated pyrite. Iron and manganese oxide alteration. Non-magnetic, non-conductive.

NORS-7 Granodiorite and marble contact zone, with diopside skarn cut by quartz veinlets and scattered calcite blebs. Iron and manganese oxide alteration. Mildly magnetic, non-conductive.

NORS-8 Granodiorite and marble contact zone, with massive magnetite and minor chalcopyrite and pyrite in tan garnetite with minor tremolite. Magnetic, non-conductive. Cu 1891 ppm

NORS-9 Massive magnetite sub-crop in marble. Magnetic, non-conductive.

NORS-10 Talus blocks below cliff outcrop of green diopside skarn with tan coloured garnetite, quartz, and calcite. Abundant red-brown sphalerite with scattered molybdenite and chalcopyrite. Manganese oxide alteration. Non-magnetic, non-conductive. Cd 348 ppm ; Cu 1400 ppm ; Mo 1796 ppm ; Zn 4.96% ; Au 367 ppb.

NORS-11 Talus blocks below cliff outcrop of tan coloured siliceous garnetite with scattered chalcopyrite and bornite. Non-magnetic, conductive. Ag 51 ppm ; Au 1000 ppb (Fire Assay = 0.034 oz/ton) ; As 114 ppm ; Bi 231 ppm ; Cu 8.3% ; Mo 260 ppm.

NORS-12 Massive bornite and red-brown sphalerite with chalcopyrite and covellite, in tan siliceous garnetite at the contact of marble and a felsite dike. Malachite, azurite, and chalcanthite (?) alteration. Non-magnetic, conductive. Ag 323 ppm; Au 175 ppb; Bi 1092 ppm; Cd 1319 ppm; Co 223 ppm; Cu 20.3% ; Pb 265 ppm ; Sb 194 ppm ; Zn 20.6%.

KD-1 Same sample location as NORS-1. Co 109 ppm ; Cu 5877 ppm ; Ni 117 ppm ; Zn 1674 ppm.

KD-2 Roadside subcrop of an altered, pyritized felsite dike in marble. Non-magnetic, non-conductive. Cu 1583 ppm; Zn 687 ppm.

KD-3 Same sample location as NORS-12. Ag 192 ppm ; Au 300 ppb ; Bi 586 ppm ; Cd 999 ppm ; Co 180 ppm ; Cu 17.2%; Pb 187 ppm ; Sb 145 ppm ; Zn 17.6%.

NLC-1 Granodiorite and marble contact zone, with fine grained disseminated pyrite in a tan siliceous garnetite. Non-magnetic, non-conductive. Pb 1420 ppm 0.16%; Zn 1290 ppm 0.13%.

NLM-1 Outcrop of an altered, pyritized felsite dike in marble. Non-magnetic, non-conductive.

421503 Sample of a finely pyritized marble with light green bands near a diorite contact. Non-magnetic, non-conductive

421504 Sample of a medium grained marble with small veins of carbonaceous material. Non-magnetic, non-conductive.

NOS-1 Moss-mat stream sediment. Zn 328 ppm.

NOS-2 Moss-mat stream sediment.

NOM-1 Sample of a fine to medium grained white marble with minor dumortierite. CaO 53.48% ; MgO 0.34%.

NOM-2 Sample of a coarse grained white marble with rare small lemon-yellow garnets (?). CaO 53.56% ; MgO 0.36%.

NOM-3 Sample of a coarse grained grey marble with minor dumortierite. CaO 54.26% ; MgO 0.38%.

NOM-4 Sample of a coarse grained black marble. CaO 53.5%; MgO 0.69%.

Lower Noomas Creek Area - South Main

NOCS-1 20 cm. wide pyritized chlorite shist with minor chalcopyrite cutting granodiorite in a roadside pit near a contact with Karmutsen Formation. Magnetic, non-conductive. Au 255 ppb ; Cu 5135 ppm.

West-Mar Res. Property - Magnetite Hill Zone

SZ-1 Massive magnetite and sphalerite on the contact between chloritized diorite and marble. Magnetic, non-conductive. Cd 1013 ppm; Co 167 ppm; Cu 2592 ppm; Zn 14.9%.

Story Creek - Wolf Area

WRS-1 Large altered greenstone intrusion with widespread disseminated red-brown sphalerite and magnetite. Magnetic, non-conductive. Cd 210 ppm ; Cu 2532 ppm ; Zn 3.18%.

WRS-2 Float of massive magnetite with malachite and azurite staining. Magnetic, non-conductive. Cu 558 ppm ; Fe 52.9%.

W90-1 Lens of massive chalcopyrite and magnetite in a large altered greenstone intrusive near a contact with an altered diorite. Magnetic, conductive. Ag 114 ppm; Bi 82 ppm Co 374 ppm ; Cu 10.0% ; Ni 128 ppm ; Zn 2694 ppm.

W90-2 Same location as WRS-1. Cd 266 ppm ; Cu 2092 ppm ; Zn 3.82%.

W90-3 Large altered greenstone intrusion with massive, scaley magnetite and epidote. Magnetic, non-conductive. Cu 713 ppm ; Zn 954 ppm.

Kinman Creek Area

NLS-1 Shear hosted lens of massive sphalerite, galena, and chalcopyrite in cherty quartzite with felsic intrusives. Greenish gangue with sulphides may be fine grained mixture of epidote and diopside. Non-magnetic, non-conductive. Ag 38 ppm ; Cd +100 ppm ; Cu 2.97% ; Mo 379 ppm ; Pb 4.34% ; Zn 8.5%.

NLS-2 Same location as NLS-1, 1 meter chip sample across lens. Minor minerals include tetrahedrite, covellite, pyrite and greenockite. Alteration minerals include malachite, azurite, smithsonite, iron and manganese oxides, possibly pyrolusite. Ag 24 ppm ; Bi 38 ppm ; Cd 811 ppm ; Cu 3.51% ; Mo 388 ppm ; Pb 34500 ppm ; Sb 81 ppm ; Zn 9.74%.

NLS-3 Small shear near NLS-1, with chalcopyrite stained with malachite and rare azurite. Non-magnetic, conductive. Ag 61 ppm ; Cu 33757 ppm ; Zn 819 ppm.

NLS-4 Subcrop of rhythmically banded quartz, with white, black, and greenish bands. Non-magnetic, non-conductive. Cu 442 ppm.

NLS-5 Small pyritic shear zone in cherty quartzite. with disseminated magnetite. Magnetic, non-conductive. Cu 328 ppm.

NLS-6 40 cm. gougy silicified, limonite stained shear zone in quartz diorite. Non-magnetic, non-conductive.

NLS-7 Small shear zone in cherty quartzite with pyrite and disseminated magnetite. Magnetic, non-conductive.

NLS-8 Small shear zone in cherty quartzite with pyrite. Non-magnetic, non-conductive. Cu 240 ppm.

NLS-9 Small shear zone in cherty quartzite with pyrite. Non-magnetic, variable conductivity. As 128 ppm; Cu 355 ppm.

NLS-10 Small shear zone in cherty quartzite with pyrite and epidote. Non-magnetic, non-conductive. Co 193 ppm ; Cu 269 ppm.

NLS-11 Roadside subcrop of brecciated, silicified rock with disseminated to massive red-brown sphalerite, coatings of greenockite, and minor disseminated pyrite. Non-magnetic, non-conductive. Cd 528 ppm ; Cu 212 ppm ; Zn 6.37%.

NLS-12 Float in boulder till of green diopside skarn with disseminated red-brown sphalerite and manganese oxide alteration. Non-magnetic, non-conductive. Cd 129 ppm ; Zn 2.24%.

NLS-13 Coarse pyroxene gabbro in Karmutsen Fm. basalts. Magnetic, non-conductive. Cr 393 ppm ; Zn 668 ppm.

NLS-14 Small chloritized shear zone in basalt with pyrite and magnetite. Magnetic, non-conductive. Co 380 ppm ; Cu 748 ppm ; Zn 343 ppm.

NTC-1 Small shear zone in cherty quartzite with pyrite. Mildly magnetic, variable conductivity. Cu 1405 ppm, 0.11% ; Co 217 ppm ; Pb 1185 ppm, 0.13% ; Zn 2480 ppm, 0.22%.

NCR-1 Banded cherty quartzite with disseminated pyrite, pyrhotite, and minor chalcopyrite. Mildly magnetic, variable conductivity. Cu 538 ppm, 0.05% ; Pb 128 ppm ; Zn 168 ppm.

Kinman Property

(assay specimens taken for comparative purposes)

KA-1 Kinman Adit - sample of massive chalcopyrite and pyrhotite on contact of marble and granodiorite. Magnetic, conductive. Ag 79 ppm, 86 ppm ; Au 5600 ppb, FA 5200 ppb ; Bi 314 ppm ; Co 611 ppm ; Cu 12.6% ; Pb 122 ppm ; Sb 97 ppm; Zn 1454 ppm.

KP-1 Hazel Open Pit - sample of massive chalcopyrite with disseminated sphalerite in a manto pod in marble near a granodiorite contact. Non-magnetic, Stongly conductive. Ag 283 ppm; Au 190 ppb; Bi 951 ppm; Cd 1163 ppm; Co 101 ppm; Cu 21.95% ; Pb 4050 ppm ; Sb 215 ppm ; Zn 15.2%.

KP-2 Hazel Open Pit - sample of massive to disseminated red-brown sphalerite with lesser chalcopyrite in a gangue of white calcite and quartz, in a manto pod in marble near a granodiorite contact. Non-magnetic, conductive. Ag 25 ppm; As 156 ppm ; Bi 27 ppm ; Cd 1687 ppm ; Co 219 ppm ; Cu 3.98%; Pb 133 ppm ; Sb 64 ppm ; Zn 18.9%

Lower Kinman Creek

NPO-1 Pyritized, silicified, quartz porphyry granodiorite intruding cherty quartzite. Non-magnetic, non-conductive.

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Project : NIMPKISH
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**Page : 1-A
Total Pages: 1
Date : 10-APR-89
Invoice # : I-8913748
P.O. # : 1989-1

CERTIFICATE OF ANALYSIS A8913748

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	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
NCR-1	299	233	0.96	< 2.0	< 50	< 10	< 0.5	4	0.47	0.5	25	45	538	6.35	20	< 5	< 0.01	10	0.31	185	3
NLC-1	299	233	5.76	2.0	< 50	60	< 0.5	4	7.21	6.5	41	30	130	5.11	30	< 5	0.08	30	0.11	230	1
NLM-1	299	233	8.76	< 2.0	< 50	40	< 0.5	< 2	7.19	1.5	45	89	95	6.20	30	< 5	0.05	40	0.85	280	< 1
NLS-1	299	233	2.17	38.0	< 50	< 10	< 0.5	< 20	1.95	>100.0	66	51	>10000	7.66	20	< 5	0.04	30	0.95	1150	379
NTC-1	299	233	2.11	2.0	< 50	10	< 0.5	< 2	3.09	16.5	217	69	1405	9.90	20	< 5	0.02	30	0.41	245	13

CERTIFICATION : B. Caughlin

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CERTIFICATE OF ANALYSIS A8913748

SAMPLE DESCRIPTION	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
NCR-1	299	233	0.04	24	550	128	< 5	2	34	0.06	< 10	< 10	29	< 10	168
NLC-1	299	233	0.52	13	930	1420	< 5	2	5690	0.13	< 10	< 10	30	< 10	1290
NLM-1	299	233	0.49	68	1070	64	< 5	10	1785	0.23	< 10	< 10	90	< 10	162
NLS-1	299	233	0.01	16	480	>10000	< 5	5	193	0.10	< 10	< 10	39	30	>10000
NTC-1	299	233	0.18	64	770	1185	< 5	4	125	0.16	< 10	< 10	57	< 10	2480

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Date : 10-APR-89
Invoice # : I-8913747
P.O. # : 1989-1

CERTIFICATE OF ANALYSIS A8913747

SAMPLE DESCRIPTION	PREP CODE		Au FA oz/T	Ag FA oz/T	Cu %	Pb %	Zn %					
NCR-1	208	--	< 0.003	< 0.01	0.05	0.01	0.02					
NLC-1	208	--	< 0.003	0.13	0.01	0.16	0.13					
NLM-1	208	--	< 0.003	0.16	0.01	< 0.01	0.02					
NLS-1	208	--	< 0.003	1.05	2.97	4.34	8.50					
NTC-1	208	--	< 0.003	< 0.01	0.11	0.13	0.22					

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY B.C. CERTIFIED ASSAYERS

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P.O. # : NONE

CERTIFICATE OF ANALYSIS A8920882

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Al %	Ag ppm	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
421503	205	238	70	0.27	< 0.2	180	20	< 0.5	< 2	>15.00	< 0.5	2	8	10	0.59	< 10	< 1	0.02	< 10	0.55	355
421504	205	238	< 5	2.80	< 0.2	20	90	< 0.5	< 2	>15.00	< 0.5	4	10	25	1.23	< 10	< 1	0.07	< 10	0.50	65

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: IRD, JAMES W.
3868 MT. SEYMOUR PARKWAY
NORTH VANCOUVER, BC
V7G 1C4

Project : NIMPKISH
Comments:

Date : 31-JUL-89
Invoice # : I-8920882
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8920882

SAMPLE DESCRIPTION	PREP CODE		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
421503	205	238	< 1	0.01	1	< 10	< 2	< 5	1	785	0.01	< 10	< 10	5	< 10	< 2
421504	205	238	< 1	0.09	1	160	< 2	5	4	7930	0.06	< 10	< 10	3	< 10	6

CERTIFICATION : B. Caughlin

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VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

OV-0194-RA1

Company: **LAIRD EXPLORATION**
Project: NIMPKISH
Attn: JAMES LAIRD

Date: MAR-15-90
Copy 1. LAIRD EXPLOR., NORTH VANCOUVER, B.C.

We hereby certify the following Assay of 8 ROCK samples submitted MAR-13-90 by JAMES LAIRD.

Sample Number	CU %	FE %	ZN %
WRS-1			3.18
WRS-2		52.90	
NLS-2	3.510		9.74
NORS-1		56.20	
KA-1	12.600		
KP-1	21.950		15.20
KP-2	3.980		18.90
SZ-1			14.90

Certified by _____

MIN-EN LABORATORIES

COMP: LAIRD EXPLORATION
PROJ: NIMPKISH
ATTN: JAMES LAIRD

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OV-0194-SJ1
DATE: 90/03/20
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB
NOS-1	1.1	20730	12	1	66	.6	7	9170	.8	23	92	39700	360	7	4890	1641	1	350	7	1160	22	2	16	1	1	117.8	328	2	1	1	16	5
NOS-2	1.1	24480	5	2	75	.6	6	12070	.1	12	87	32840	410	8	4720	1150	1	760	17	1050	14	1	38	1	1	113.2	111	1	1	1	13	5

MIN
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LABORATORIES [redacted].

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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0194-RG1

Company: **LAIRD EXPLORATION**
Project: NIMPKISH
Attn: JAMES LAIRD

Date: MAR-23-90
Copy 1. LAIRD EXPL., NORTH VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 9 ROCK samples submitted MAR-13-90 by JAMES LAIRD.

Sample Number	AU-WET PPB	AG PPM
WRS-1	35	
WRS-2	5	
NLS-2	25	
NORS-1	65	
KA-1	5600	85.8
KP-1	190	
KP-2	30	
SZ-1	40	

Certified by _____

MIN-EN LABORATORIES

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TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0194-RG2

Company: LAIRD EXPLORATION
Project: NIMPKISH
Attn: JAMES LAIRD

Date: MAR-23-90
Copy 1. LAIRD EXPL., NORTH VANCOUVER, B.C.

He hereby certify the following Geochemical Analysis of 1 ROCK samples submitted MAR-13-90 by JAMES LAIRD.

Sample Number	AU-FIRE PPB	PT-FIRE PPB	PD-FIRE PPB
KA-1	5200	1	1

Certified by _____

MIN-EN LABORATORIES

COMP: LAIRD EXPLORATION
PROJ: NIMPKISH
ATTN: JAMES LAIRD

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OV-0194-RJ1
DATE: 90/03/27
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
WRS-1	7.5	3830	26	2	20	.9	6	14500	210.3	31	2532	53990	170	1	3550	4438	6	40	1	170	27	6	13	2	1	6.0	25395	1	1	1	11
WRS-2	8.0	5820	1	14	3	.1	1	16330	.1	49	558	426400	320	2	4880	1315	1	220	1	10	67	1	1	1	1	12.4	159	1	1	1	1
NLS-2	24.0	20040	53	13	5	.9	38	17430	811.3	59	33750	78480	200	5	8580	1219	388	30	12	790	34500	81	92	3	1	54.9	112090	1	3	1	40
NORS-1	3.1	3050	5	12	1	.1	1	15290	.3	69	2383	494890	100	1	2210	848	1	30	1	10	940	1	1	1	1	16.1	1573	1	1	1	1
KA-1	78.8	800	1	11	1	.1	314	13270	5.7	611	118190	354350	70	1	460	166	21	10	1	1420	122	97	1	1	1	.4	1454	1	1	1	1
KP-1	283.0	3170	63	18	1	.7	951	25110	1163.3	101	198320	176130	60	4	5030	501	24	10	1	3880	4050	215	37	1	1	4.9	160360	1	3	15	1
KP-2	24.6	16970	156	16	3	1.0	27	68610	1687.3	219	35370	84780	50	6	15620	4129	31	10	1	580	133	64	85	1	1	14.1	194100	2	3	27	1
SZ-1	6.3	1130	1	21	1	1.1	15	6230	1013.5	167	2592	269290	100	1	1210	3094	6	70	1	200	61	12	7	1	1	.3	140860	1	1	7	1

COMP: LAIRD EXPLORATION
PROJ: NIMPKISH
ATTN: JAMES LAIRD

MIN-EN LABS — WHOLE ROCK ANALYSIS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OV-0194-RL1
DATE: 90/03/27
* ROCK * (ACT:FIRE)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	S %	LOI %
NOM-1	.25	.005	53.48	.15	.13	.34	.01	.03	.13	1.02	.520	.01	.11	42.90
NOM-2	.22	.005	53.56	.25	.13	.36	.01	.02	.12	.92	.365	.01	.09	43.00
NOM-3	.21	.005	54.26	.17	.10	.38	.01	.03	.12	.56	.140	.01	.05	43.40
NOM-4	.28	.005	53.50	.16	.13	.69	.01	.01	.11	1.24	.315	.01	.06	42.60

COMP: LAIRD EXPLORATION
PROJ: V.I.
ATTN: J.LAIRD

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0V-0237-RJ1
DATE: 90/03/27
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB
NPO-1	.8	10790	15	1	28	.5	5	7760	.1	6	18	18770	710	2	4530	277	2	590	25	390	14	1	16	1	1	20.0	18	1	1	1	114	45
NOCS-1	6.9	15100	55	3	5	1.5	1	6200	.1	54	5135	163600	120	6	7660	298	5	90	2	1610	5	9	4	1	1	370.4	28	1	1	1	1	255

COMP: LAIRD [illegible]ORATION
PROJ: NIMPKISH
ATTN: J.LAIRD

MIN-EN LABS [illegible] ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

[illegible]NO: OV-0238-RJ1
DATE: 90/03/27
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB
NLS-3	61.5	35570	48	8	6	1.4	3	12670	5.0	33	33757	112140	180	8	17310	1542	12	50	9	400	75	39	88	1	1	111.8	819	2	2	2	82	40
NLS-4	1.5	2990	12	1	3	.1	2	5060	.1	3	442	7710	80	1	890	91	3	60	3	90	8	1	20	1	1	12.2	79	1	1	2	211	20
NLS-5	1.8	13100	35	5	12	1.4	5	34430	.1	16	328	98350	120	1	3120	439	1	40	5	380	9	3	79	1	1	55.3	19	1	3	1	62	10
NLS-6	.9	22340	14	3	82	.8	4	6670	.1	11	147	27440	1780	5	9520	1051	3	100	4	460	17	1	18	1	1	40.4	129	2	1	1	126	30
NLS-7	2.1	26640	96	9	64	1.5	7	18090	.1	24	76	143730	380	7	6500	622	1	110	11	780	3	4	104	1	1	52.6	12	1	2	1	1	60
NLS-8	2.5	23930	41	7	14	1.6	11	14440	.1	51	240	111770	130	4	6820	336	4	260	3	570	9	2	61	1	1	55.5	34	2	1	1	36	10
NLS-9	1.9	23880	128	10	6	2.1	1	50330	.1	65	355	232180	90	1	2120	593	1	30	37	140	3	3	35	1	1	77.8	1	2	3	1	1	15
NLS-10	2.2	13850	54	7	4	2.0	4	50370	.1	193	269	159900	70	1	1120	627	23	50	67	490	4	5	16	1	1	114.2	3	1	2	1	11	5
NLS-11	4.7	39790	38	12	33	1.2	21	19430	527.9	45	212	72660	2680	8	14010	1302	13	1740	1	160	46	11	117	1	1	99.6	65470	3	3	1	163	25
NLS-12	.1	1770	23	4	49	.4	13	17580	128.9	30	17	30190	130	1	2650	19918	8	90	53	220	87	10	28	1	1	10.5	21588	3	1	1	15	5
NLS-13	2.9	59720	21	7	10	.9	13	23380	2.5	35	45	46110	740	6	35410	681	1	1800	258	290	8	2	32	1	1	120.4	668	2	2	4	393	5
NORS-2	3.8	28040	56	7	5	1.3	10	83260	.1	31	530	119900	130	1	1210	2131	1	50	20	100	17	8	1	1	1	60.7	119	2	3	1	138	5
NORS-3	4.3	118220	1	1	74	.7	18	77100	.1	18	59	56320	890	2	410	97	1	3640	1	600	3	1	8223	1	285	32.4	30	1	1	1	32	45

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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0194-RG3

Company: **LAIRD EXPLORATION**
Project: NIMPKISH
Attn: JAMES LAIRD

Date: MAR-28-90
Copy 1. LAIRD EXPL., NORTH VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 4 ROCK samples submitted MAR-13-90 by J.LAIRD.

Sample Number	B PPM
NOM-1	1
NOM-2	1
NOM-3	1
NOM-4	1

Certified by _____

MIN-EN LABORATORIES

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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

OV-0238-RA2

Company: **LAIRD EXPLORATION** Date: MAR-28-90
Project: NIMPKISH Copy 1. LAIRD EXPL., NORTH VANCOUVER, B.C.
Attn: J.LAIRD

We hereby certify the following Assay of 3 ROCK samples submitted MAR-23-90 by J.LAIRD.

Sample Number	FE %	ZN %
NLS-11		6.37
NLS-12		2.24
NORS-2	16.70	

Certified by

MIN-EN LABORATORIES

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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

OV-0523-RA1

Company: LAIRD EXPLORATION
Project: NIMPKISH
Attn: J.LAIRD

Date: MAY-24-90
Copy 1. LAIRD EXPL., NORTH VANCOUVER, B.C.

He hereby certify the following Assay of 7 ROCK samples submitted MAY-19-90 by J.LAIRD.

Sample Number	AU g/tonne	AU oz/ton	CU %	ZN %
NORS4			11.600	
NORS10				4.96
NORS11	1.17	.034	8.300	
NORS12			20.300	20.60
KD-3			17.200	17.60
W90-1			10.000	
W90-2				3.82

Certified by _____

MIN-EN LABORATORIES

COMP: LAIRD EXPLORATION
PROJ: NIMPKISH
ATTN: J.LAIRD

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0V-0523-RJ1
DATE: 90/05/24
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB
NORS4	102.0	1770	283	11	1	1.6	117	6240	54.0	820	115900	261620	40	1	510	146	1	10	902	1160	60	87	4	1	1	1.1	1854	1	1	2	1	90
NORS5	4.5	1880	24	7	3	2.0	3	30610	.1	48	3086	159110	50	1	470	573	1	10	1	60	6	1	1	1	1	4.0	27	1	1	1	1	74
NORS6	.8	1430	1	1	26	.6	3	19440	1.6	22	854	28670	60	1	2700	2551	2	10	6	40	18	1	8	1	1	2.0	66	1	1	1	12	10
NORS7	.1	610	47	6	12	1.9	4	24980	1.6	59	196	73990	140	1	4340	7458	1	10	1	80	37	1	6	1	1	2.9	63	1	1	1	9	12
NORS8	.3	2450	54	13	1	1.7	1	34940	.1	78	1891	266750	60	1	2100	1208	1	10	1	10	5	1	1	1	1	18.4	42	1	1	1	1	2
NORS9	.1	2820	1	18	1	.1	1	1890	.1	46	332	516970	170	1	5570	1421	1	30	1	10	5	1	1	1	1	13.3	39	1	1	1	1	8
NORS10	3.6	3310	32	30	3	.6	18	29880	348.1	59	1400	25190	60	1	1550	3887	1796	10	9	190	36	1	43	1	1	5.3	29389	1	1	1	55	367
NORS11	51.1	14260	114	32	1	1.2	231	53680	6.4	33	82500	118990	60	1	1240	1186	260	10	16	11330	92	69	14	1	1	42.0	543	1	1	5	33	1000
NORS12	322.9	880	33	25	2	1.0	1092	13460	1318.7	223	200100	63030	20	1	1000	220	38	10	13	4280	265	194	28	1	1	1.4	196400	1	1	70	1	175
KD-1	9.6	16380	36	5	2	1.1	20	43600	13.8	109	5877	85140	70	1	870	1829	5	10	117	410	28	1	1	1	1	36.1	1674	1	1	3	79	8
KD-2	3.8	30650	9	9	1	1.1	13	33170	2.3	38	1583	64600	50	5	4410	429	3	70	1	1140	18	1	9	1	1	69.2	687	1	1	2	26	12
KD-3	192.1	990	28	20	2	1.1	586	27060	998.7	180	145050	73310	30	1	1130	205	24	10	8	2680	187	145	29	1	1	1.9	169530	1	1	26	1	300
W90-1	114.2	12430	19	12	1	1.5	82	25050	22.0	374	99950	214020	80	1	2480	818	1	10	128	1150	64	78	1	1	1	22.2	2694	1	1	3	1	90
W90-2	3.8	2010	6	4	19	.7	12	8360	265.9	22	2092	29820	150	1	3690	7190	9	10	14	180	45	1	9	1	1	3.3	34171	1	1	1	3	2
W90-3	.1	3330	1	20	35	.2	1	5450	.1	29	713	451830	240	1	700	2618	1	60	1	10	5	1	9	1	1	1.7	954	1	1	1	1	3
NLS-14	1.2	17410	1	10	6	2.2	10	6450	.9	380	748	216670	400	5	17230	424	1	490	51	140	5	1	13	1	1	38.8	343	1	1	1	1	24

Breccia Pipe

Giant's Cave

NLC-1 Py

NLM-1 Py

Jdi

L9

L10

L7

L8

L6

L5

L4

L3

L2

L1

NEW1

UTRQ

Jgd

UTPb, JBv, And. Sills

And. Bill

Py, Mag, Cp NOMS-1 NOMS-2, KD-1 NOMS-4

Py KD-2

NOM-1 421503.09 Py

Mag, Py, Cp NORS-5

LAKE

NORS-6 Py

Mag, Py NORS-7

NORS-8

NORS-9 Mag

Mb NOM-2, 3, 4

Py NORS-3

NOS-2

NOS-1

NOOMAS CREEK

NORTH NOOMAS MAIN

SOUTH NOOMAS MAIN

KD-3 NORS-12 Bo, Zn, Cp

felsite and greenstone dike swarms

NORS-11 Cp, Bo

NORS-10 Zn, Mo

NOCS-1 ← 1 Km.

END OF EXISTING ROAD

PLANNED ROAD 1990

END

Magnetite Hill Trench

Mag, Zn Jdi SZ-1

WRS-2 STOREY CREEK

Wolf Mag., Cp, Bo, Zn

WRS-1 W90-1 W90-2 W90-3

SKARNED + Greenstone dikes Mag., Zn, Cp

NIMPKISH 4

NIMPKISH 2

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,092

N

1:5000

0 100 m 200 m

GEOLOGY OF THE NOOMAS CREEK AREA

- Jgd — Jurassic Intrusives granodiorite, quartz diorite, diorite
- JBV — Jurassic Bonanza volcanics & seds.
- uTPB — Upper Triassic Parson's Bay Fm. - seds.
- uTQ — Upper Triassic Quatsino Fm. - limestone
- Bedding
- Dikes
- Sample Locations
- Contacts (known, assumed)
- Sink holes
- Shear zones
- Claim Posts, Boundries

cp - chalcopyrite Py - pyrite Bo - bornite
Zn - sphalerite Mag. - magnetite Mo - Molybdenite

MAP 2

Mineral Occurrence, Open Pit, Adit
Fault
Bedding
Geologic Contact
Anticline, Syncline

cp - chalcopyrite ZN - sphalerite mag. - magnetite Bo - Bornite Pb - Galena Mo - Molybdenite

Jg — Jurassic Intrusive granodiorite, quartz diorite. diorite

JBv — Jurassic Bonanza Group sediments and volcanics (includes some UTRPbl)

UTRPb — Upper Triassic Parson's Bay Fm. calcareous and carbonaceous argillites

UTRQ — Upper Triassic Quatsino Fm. limestone and marble

UTRK — Upper Triassic Karmutsen Fm. marine basaltic volcanics

GEOLOGICAL COMPILATION MAP OF THE NIMPKISH AREA

GEOLOGICAL BRANCH
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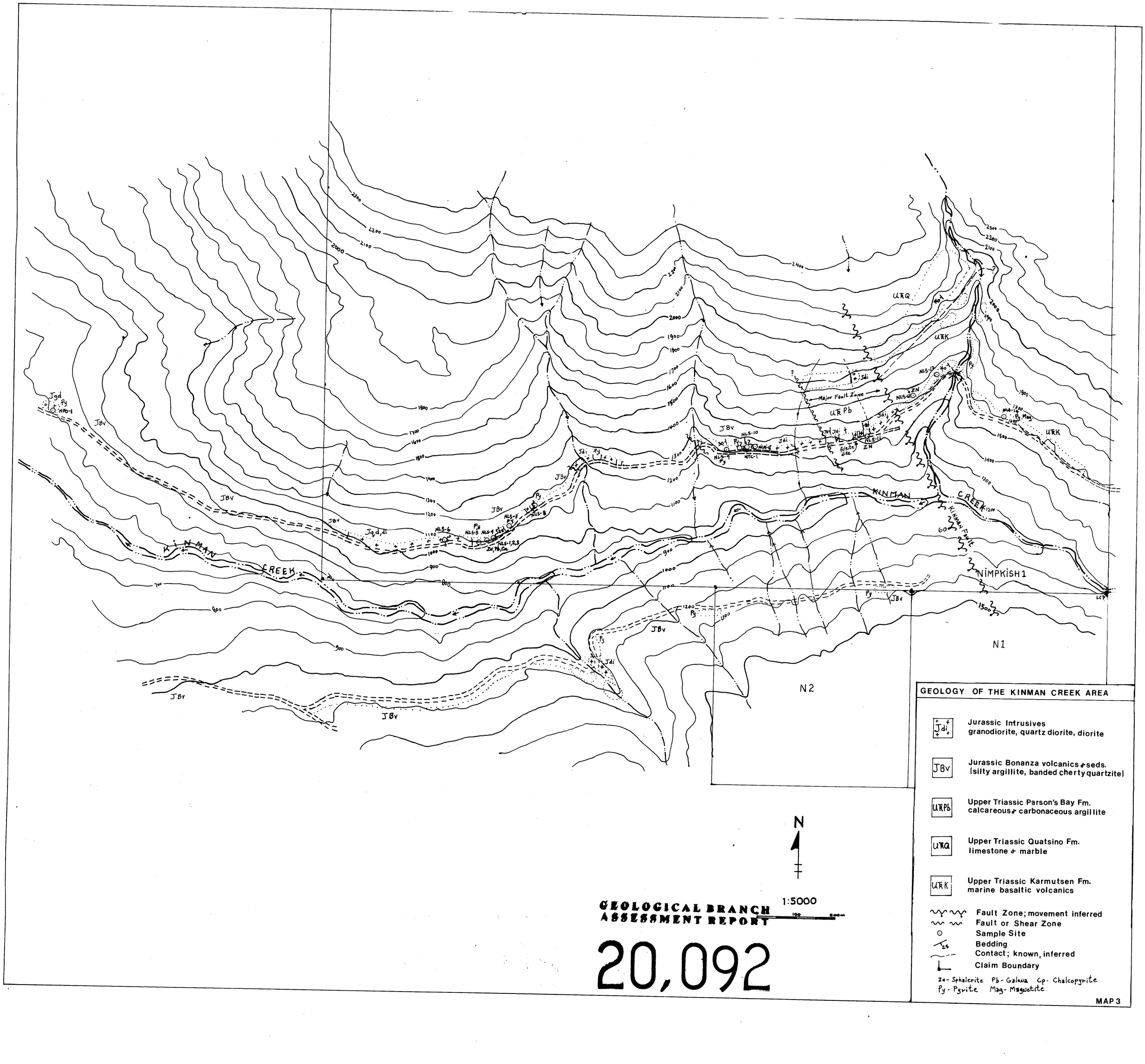
0 1 2 Km.

1 : 20,000

MAP 1

92L.037



GEOLOGICAL BRANCH
ASSESSMENT REPORT

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GEOLOGY OF THE KINMAN CREEK AREA

- Jdi — Jurassic Intrusives: granodiorite, quartz diorite, diorite
- JBv — Jurassic Bonanza volcanics & seds. (silty argillite, banded cherty quartzite)
- UTRPb — Upper Triassic Parson's Bay Fm. calcareous & carbonaceous argillite
- UTRQ — Upper Triassic Quatsino Fm. limestone & marble
- UTRK — Upper Triassic Karmutsen Fm. marine basaltic volcanics

- Fault Zone; movement inferred
- Fault or Shear Zone
- Sample Site
- 25 — Bedding
- Contact; known, inferred
- Claim Boundary

Zn - Sphalerite Pb - Galena Cp - Chalcopyrite
Py - Pyrite Mag - Magnetite

MAP 3