ASSESSMENT REPORT ON THE

PHASE II DIAMOND DRILLING PROGRAM

ON THE

HAIDA GOLD PROPERTY

Part 2 of 2

Kamloops Mining Division, B.C.
NTS 92P/9W
Latitude 51° 31' N
Longitude 120° 24' W

for

VITAL PACIFIC RESOURCES LTD.
201 - 194 Wilson Avenue
Toronto, Ontario M5M 3A7
(Operator)

and

ELECTRUM RESOURCES LTD.
(Owner)

by

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December 15, 1988

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SUMMARY

Vital Pacific Resources Ltd. holds under option 164 units in 13 MGS mineral claims in the Kamloops Mining Division of British Columbia which are collectively known as the Haida Gold Property. The property is located 16 km northwest of Little Fort and lies north of Highway 24 which provides excellent access. Gold was initially discovered on the property in 1933 but extensive exploration work undertaken since that time has been largely directed to porphyry copper type targets.

Lower Jurassic limestone, siltstones and cherty andesitic tuffs have been contact metamorphosed by a pyroxene gabbro stock and associated plagioclase porphyry dike swarms. Late hornblende diorite stocks intrude this sequence with only minor retrograde effects. Past exploration has indicated the presence of seven linear gold-in-soil anomalies, four of which are at least one kilometre in length. Gold mineralization occurs in a variety of high and low sulphide garnet-diopside skarns and massive magnetite skarns. In the Deer Lake area, these skarns have returned assays of several ounces per ton gold from arsenopyrite bearing specimens and up to 6.61 g/t Au across 3.9 metres of low sulphide skarn.

In the summer of 1988 Vital Pacific Resources Ltd. undertook a diamond drilling program which tested targets in the Deer Lake area of the property with only limited success. One hole drilled in the Heidi Lake area of the property tested an IP anomaly with poor results. Hole 88-9, drilled in the Iron Lake area intersected 80 metres of gold anomalous low sulphide skarns including a 4 metre section assaying 7.12 g/t Au. In October 1988, the company completed a grid based IP, VLF-EM and magnetic survey in the area of Deer Lake and Iron Lake. The company also undertook a follow-up drilling program which is the subject of this report. Six holes totalling 910.4 metres were drilled, five of which were step-outs from Hole 88-9 in the Iron Lake area and one of which tested an IP anomaly in the Heidi Lake area. None of these holes intersected any "economic" mineralization. Some short sections of geochemically anomalous gold values occur in holes adjacent to 88-9 and weakly anomalous copper values are almost ubiquitous.

Results of work to date suggest that significant gold values in skarns are erratic and exhibit poor correlation factors with other metals and physical parameters. Geochemically anomalous (gold) rocks are distributed over a very large area on the property but exploration vectors have not been developed which may help to locate economic mineralization. A thorough review and compilation of past work is recommended prior to any renewed drilling programs.

INTRODUCTION

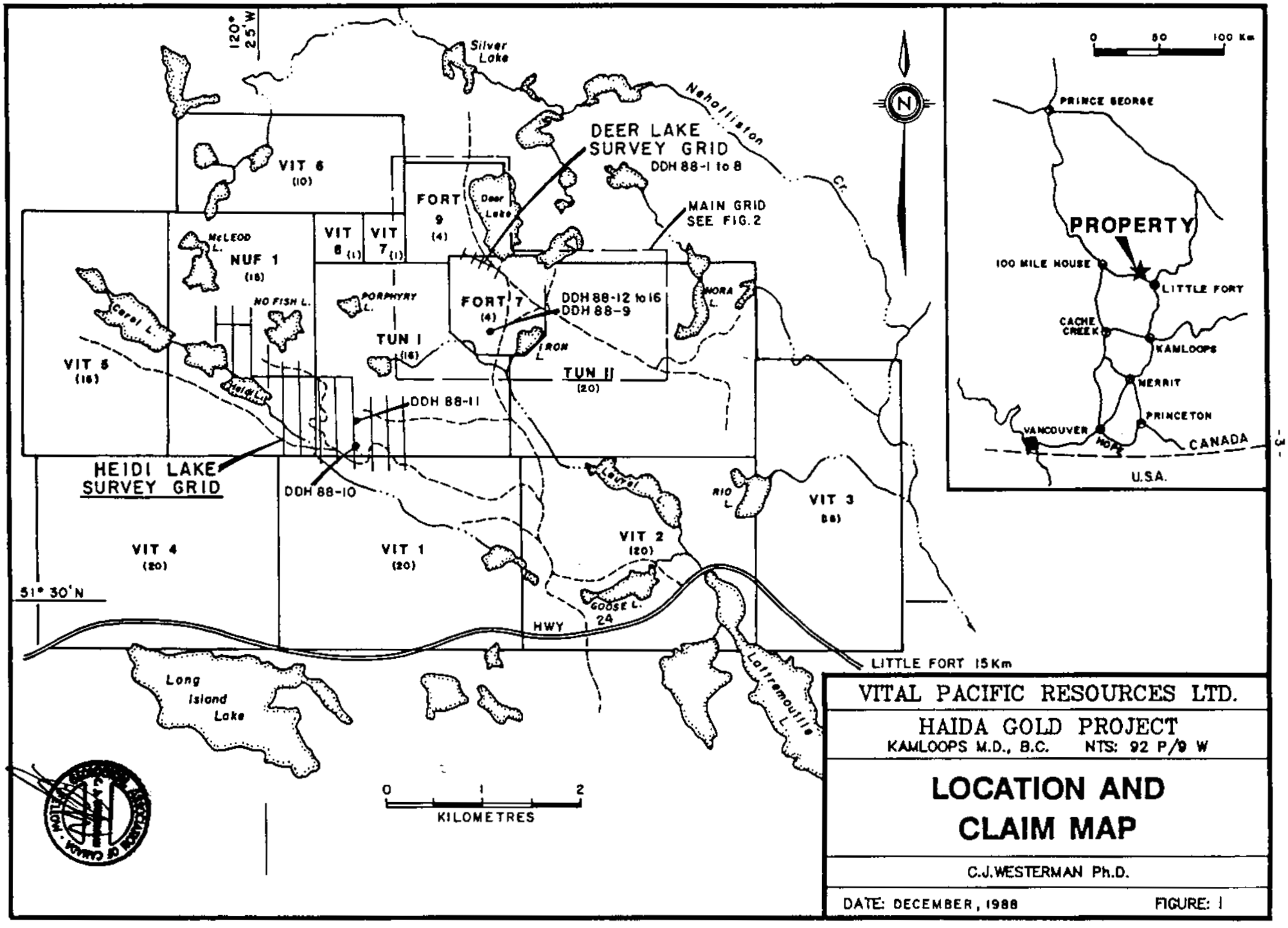
Location, Access, Topography

The Haida Gold property is located 16 kilometers northwest of Little Fort in south-central British Columbia (Figure 1). The property is centered on latitude 51° 31'N and longitude 120° 24'W within NTS map area 92P / 9W. Provincial Highway 24, which connects Little Fort with 100 Mile House, passes east-west along the southern boundary of the property. Access from Highway 24 northwards across the property to Deer Lake is provided by the Taweel Forestry road. A network of old logging roads provides reasonably good access to most areas of the property.

The property is located in an upland plateau region with subdued topography and elevations ranging from 1,280 meters to 1,580 meters. Vegetation consists of a complex mix of mature timber and second generation regrowth following selective logging operations spaced over many years. The moderate climate should not pose any significant problems for exploration or mining operations. An electric power transmission line runs parallel to Highway 24 and Little Fort is served by the main line of the Canadian National Railroad.

Property Definition

The Haida Gold property consists of 164 units in 13 M.G.S. mineral claims located in the Kamloops Mining Division of British Columbia, NTS 92P / 9W (Figure 1).



VITAL PACIFIC RESOURCES LTD.

HAIDA GOLD PROJECT

KAMLOOPS M.D., B.C. NTS: 92 P/9 W

LOCATION AND CLAIM MAP

C.J.WESTERMAN Ph.D.

DATE: DECEMBER, 1988 FIGURE: 1

TABLE 1

Claim	Units	Record No.	Expiry Date Current	Pending
NUF 1	15	2927	Sept 9, 1990	1993
TUN 1	16	2921	Sept 8, 1990	1993
TUN 2	20	2922	Sept 8, 1990	1995
FORT 7	4	178	Dec 30, 1990	1995
FORT 9	4	428	Jun 25, 1990	1996
VIT 1	20	7062	May 29, 1989	1995
VIT 2	20	7063	May 29, 1989	1995
VIT 3	18	7064	May 29, 1990	1994
VIT 4	20	7065	May 29, 1990	1993
VIT 5	15	7066	May 29, 1990	1993
VIT 6	10	7067	May 29, 1990	1994
VIT 7	1	7068	May 29, 1990	1998
VIT 8	1	7069	May 29, 1990	1994

The claims are owned by Electrum Resources Ltd. Vital Pacific Resources Ltd. may earn an interest in the claims by way of an option agreement.

Documents filed prior to this report divide the claims for assessment purposes into two groups.

Haida New West Group: TUN 1, NUF 1, VIT 4 and 5

Haida New East Group: FORT 7, FORT 9, TUN II, VIT 1-3, VIT 6-8

This report and an accompanying geophysical report by J. Lloyd covers work undertaken on both groups.

History

High grade gold skarns were initially discovered on ground covered by the FORT 7 claim adjacent to Deer Lake in 1933. Reports by the Minister of Mines indicate that Premier Gold Mining Co. obtained assays of several ounces per ton gold from these showings. A short adit and several small pits in this area probably date back to the mid 1930's.

During the late 1960's and early 1970's, the area of the Haida Gold property was explored for porphyry copper deposits by Anaconda, Rio Tinto and United Copper Co. Work completed at this time included wide spaced grid soil geochemistry, magnetometer VLF-EM and I.P. geophysical surveys, limited trenching and minor drilling programs. Anaconda diamond drilled six holes in 1967-68 totaling about 600 meters in the Deer Lake, Nora Lake and Laurel Lake areas,

but results of this work are not available in the public record. Rio Tinto percussion drilled nine holes totalling 1,500 ft. (460 m) in 1974-75 in the Goose Lake - Laurel Lake - Rio Lake area of the property with poor results. None of these programs undertook any significant analyses for gold, and none of the holes exceeded 250 ft. (75 m) depth.

Barriere Reef Resources in 1972-73 undertook detailed grid soil geochemical, geological and EM geophysical surveys in the Heidi Lake area of the property. Reports in the public domain indicate that three short diamond drill holes were completed but no details are given. The surveys indicated a large zone of anomalous zinc, arsenic, mercury and copper geochemistry but no mention is made of gold analyses.

Meridian Resources in 1977 undertook soil geochemical and magnetometer surveys on three detailed grids at McLeod Lake, No Fish Lake and Deer Lake. Reports indicate the presence of sporadic gold-arsenic-copper anomalies in soils. Meridian percussion drilled two holes totalling 455 m within the area of the FORT 9 claim, west of Deer Lake. The first hole returned strongly anomalous copper values below 70 m but no mention is made of any gold analysis.

Tunkwa Copper Mines Ltd. in 1980 undertook grid geochemical soil, magnetometer and VLF-EM surveys over the entire area of the FORT 7, FORT 9, NUF 1, TUN 1 and TUN 2 claims. Lines spaced at 200 m were soil sampled at 25 m intervals. The surveys indicated the presence of seven linear gold-in-soil anomalies, four of which are at least one kilometer in length. The gold anomalies are partly coincident with anomalous values in arsenic and zinc. Tunkwa Copper Mines Ltd. chose not to follow-up these anomalies but instead, diamond drilled seven short holes in the vicinity of the original Deer Lake gold showings. Results of the drill program are not in the public domain.

Vital Pacific Resources optioned the property in 1987 and undertook geophysical I.P. and geochemical soil surveys and backhoe trenching in the Heidi Lake area (Westerman, 1987b; Rockel, 1987). In May-June 1988, the company undertook limited IP, magnetic and VLF-EM surveys on the Deer Lake Grid (Rockel, 1988). In July - August 1988, the company undertook 985.3 metres of diamond drilling in eight holes on the Deer Lake Grid, one hole in the area of Iron Lake and one hole in the Heidi Lake area (Westerman, 1988). Hole 88-9 intersected interesting gold values in the Iron Lake area which prompted a grid controlled IP,

magnetic, VLF-EM survey (Lloyd, 1989 in preparation). The Phase II drilling program subject of this report tested geophysical anomalies in the Iron Lake Area.

Current Work Program

This report covers work undertaken between September 15, 1988 and November 15, 1988 with reporting extensions to December 15, 1988. McElhaney Surveys Ltd. was contracted to produce a set of four topographic maps and orthophotos with 5 m contour intervals to cover the entire property (Appendix 6). A pre-existing survey grid was relocated in the Deer Lake - Iron Lake area of the property, under contract by Amex Exploration Services Ltd. (Figure 2). This included linecutting to IP standard totalling 24.6 km of survey lines and 6.8 km of baseline and tielines. Survey stations were located at 25 m intervals on lines spaced 200 m apart. Geophysical surveys undertaken on this grid are reported by Lloyd 1989 (in preparation). This work was undertaken on claims TUN I, TUN II, FORT 7, FORT 9, and VIT 7.

Detailed assay work and relogging of specific sections of Hole 88-9 was undertaken whilst the geophysical survey work was in progress. This involved a total of 55 gold fire assays performed by Chemex Labs Ltd. of North Vancouver. Petrographic and S.E.M. investigation of four specimens from Hole 88-9 was completed by Craig H.B. Leitch (Appendix 3).

Between October 11 and November 4, 1988, a total of 910.4 metres of NQ diamond drilling in six holes was completed by Iron Mountain Drilling Ltd. using a skid mounted Longyear 44 drill. All of the core was split and sampled in lengths of 2 metres or less. All samples were analyzed by Chemex Labs Ltd. of North Vancouver, B.C. Gold was analyzed by fire assay (Atomic Absorption finish). A group of 30 trace elements was analyzed by Induction Coupled Plasma. A total of 679 core samples were analyzed. 118.4 m of core drilling was undertaken on claim TUN I and 792 m of drilling on claim FORT 7. The core is stored at a warehouse in the town of Barriere.

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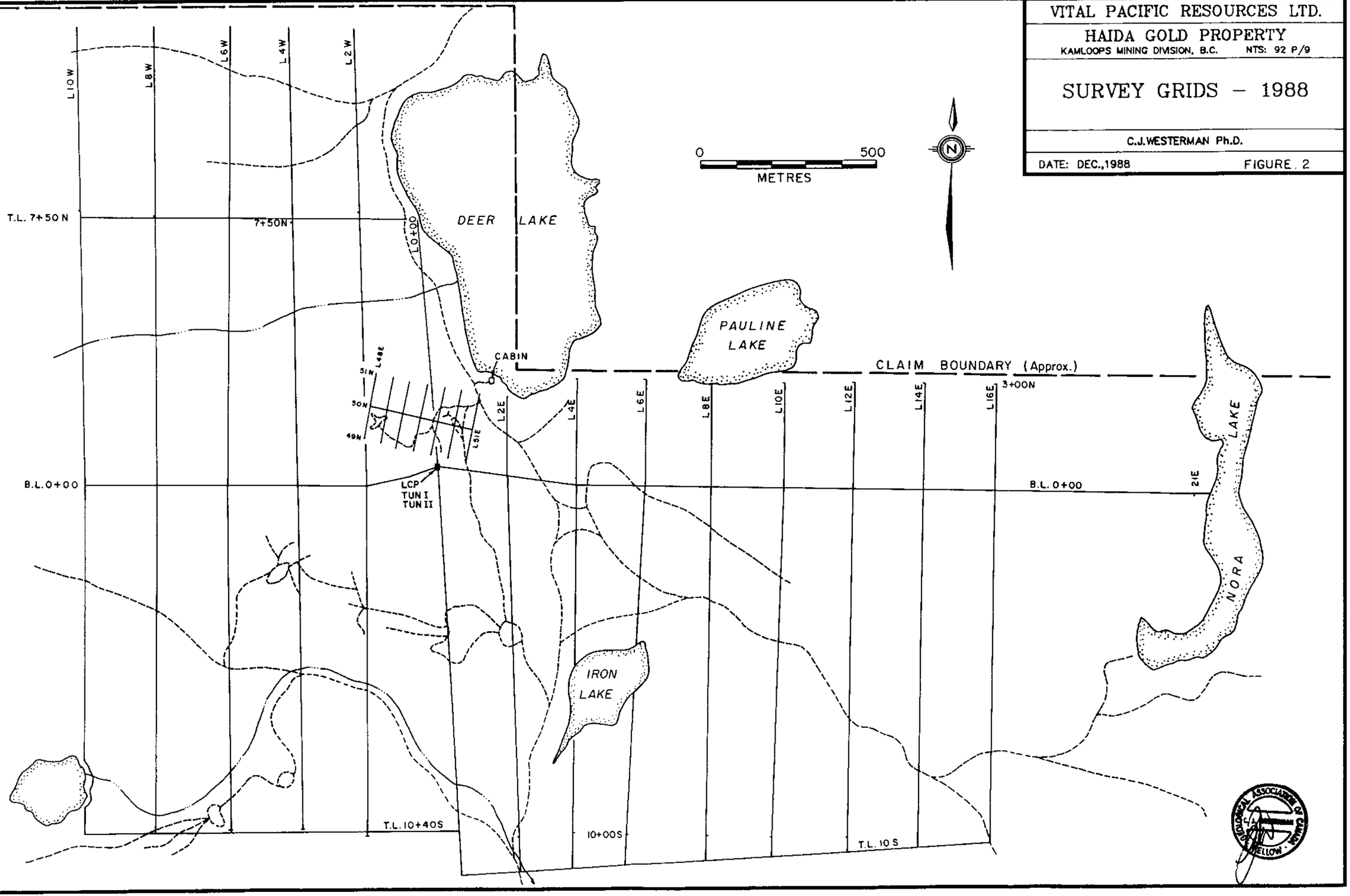
HAIDA GOLD PROPERTY

KAMLOOPS MINING DIVISION, B.C. NTS: 92 P/9

SURVEY GRIDS – 1988

C.J.WESTERMAN Ph.D.

DATE: DEC.,1988 FIGURE. 2



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Westerman, C.J. (1987b) - Geological, Geochemical and Geophysical report on the Haidi Gold Property, for Vital Pacific Resources Ltd., filed for assessment credits August 1987.

Westerman, C.J. (1987c) - The Haida Gold Property, a summary report for Vital Pacific Resources Ltd., August 30th, 1987, company report.

Westerman, C.J. (1988) - Assessment Report on the Phase 1 Diamond Drilling Program on the Haida Gold Property for Vital Pacific Resources Ltd., November 15, 1988.

The following B.C.D.M. Assessment Reports are pertinent to the area of the Haida Gold property: AR #905, 907, 910, 981, 1061, 1123, 1169, 1690, 2712, 3349, 3945, 4028, 4260, 4262, 4264, 4678, 4684, 4835, 4947, 5424, 5425, 5734, 6586.

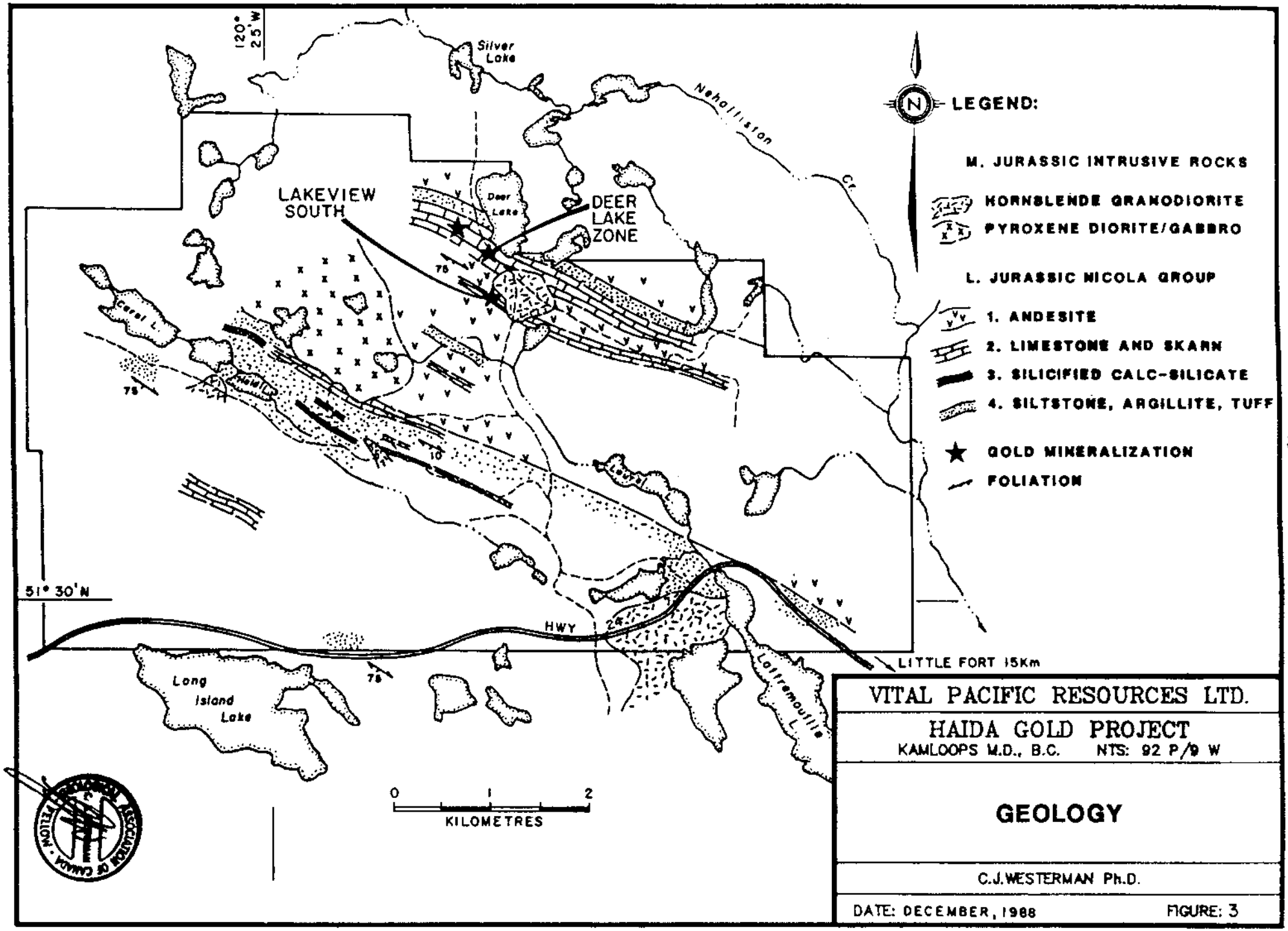
The mineralization within the Haida Gold property is referred to in the following B.C. government publications: M.M.A.R. 1930 - p. 191, 1966 - p. 143, 1967 - p. 133. G.E.M. 1970 - p. 312, 1971 - p. 334, 1972 - p. 320, 1973 - p. 275, 1977 - p. E179.

GEOLOGY

The Haida property is underlain by a sequence of andesitic volcanic rocks, siltstones, limestones and cherts of the late Triassic - early Jurassic Nicola group. These rocks have been intruded by a large stock of pyroxene (plagioclase) gabbro of probable middle Jurassic age in the vicinity of Porphyry Lake (Figure 3). Augite porphyry basalts are present throughout a large area north of the property. A hornblende diorite stock located southwest of Deer lake and a similar stock south of the Heidi Lake grid (encountered in Hole 88-10) have been previously correlated with the Thuya batholith of early Jurassic age which lies immediately south of the property. The hornblende-diorite stocks, however, post-date intrusion of pyroxene gabbro and may therefore be late Jurassic or early Cretaceous in age. Regional trends are west-northwest and stratified rocks generally have steep dips to the north. Some indications of flat dips to the south have been observed in the Heidi Lake area.

A thick sequence of banded grey limestone, calcareous siltstone and cherty tuffs in the Deer Lake area contains pods of garnet-diopside skarn. These rocks have been intruded by a swarm of plagioclase porphyry dikes which are now variably metamorphosed to a fine-grained intergrowth of diopside, quartz and calcite with rare pale pink garnet. The less metamorphosed varieties of these dikes are recognizable by the presence of relic (ghost) plagioclase phenocryst outlines in the groundmass. These dikes are endomorphosed and are related genetically to the pyroxene gabbro of probable middle Jurassic age. Pyroxene-plagioclase gabbro dikes in the Iron Lake area vary from fresh to moderately endomorphosed. A large xenolith of pyroxene gabbro within hornblende diorite was intersected in Hole 88-15. This occurrence indicates that the major hornfelsing and skarn metamorphism in the area is related to intrusion of the pyroxene gabbro. Metamorphic effects related to the hornblende diorite are relatively minor and generally retrograde.

A wide area of intense hornfelsing of Nicola rocks underlies the Heidi Lake grid. Stratified rocks in the north part of the Heidi Lake grid including coarse lapilli tuffs have sub-vertical dips. Stratified rocks in the central part of the grid display shallow dips to the south and an intense hornfelsing. A thin grey limestone unit in the north part of this grid is converted to garnet-diopside skarns along the


120° 25' W
Silver Lake
Nehalliston Cr.
LAKEVIEW SOUTH
DEER LAKE ZONE
Deer Lake
Canal L.
Hamill
Lovell
51° 30' N
HWY
Long Island Lake
Loffremouille L.
LITTLE FORT 15Km
N
LEGEND:
M. JURASSIC INTRUSIVE ROCKS
HORNBLENDE GRANODIORITE
PYROXENE DIORITE/GABBRO
L. JURASSIC NICOLA GROUP
1. ANDESITE
2. LIMESTONE AND SKARN
3. SILICIFIED CALC-SILICATE
4. SILTSTONE, ARGILLITE, TUFF
GOLD MINERALIZATION
FOLIATION
0 1 2
KILOMETRES
VITAL PACIFIC RESOURCES LTD.
HAIDA GOLD PROJECT
KAMLOOPS M.D., B.C. NTS: 92 P/9 W
GEOLOGY
C.J. WESTERMAN Ph.D.
DATE: DECEMBER, 1988
FIGURE: 3

southern contact of the Porphyry Lake pyroxene gabbro. The gabbro itself is a coarse grained equigranular rock showing little or no alteration except along intrusive contacts where some assimilation has taken place.

Dikes of andesitic plagioclase-hornblende porphyry are generally relatively fresh and probably related genetically to the Deer Lake hornblende diorite stock. Variable crackle brecciation of the gabbroic plagioclase porphyry dikes with introduction of pyrite, chlorite, calcite and quartz on fractures may be related to intrusion of the Deer Lake stock.

In Hole 88-16, the Deer Lake stock is cut by a north trending fault zone with which there is associated silicification and pyritization. A two metre wide quartz vein outcrops west of Hole 88-15 and occupies a north-south trending fracture. These silica zones exhibit absolutely no correlation with gold mineralization and are clearly late stage features.

MINERALIZATION

Gold mineralization in skarns near Deer Lake was explored in the past by a short adit, two small pits and two trenches (Westerman, 1987a, b). In the pit above the adit, the author's samples last year returned 6.61 g/t Au across 3.9 metres from a pale garnet-diopside skarn. This unit is contained between two massive pyrrhotite skarns, each about 1 metre wide. The author's samples of pyrrhotite skarn returned values of only 2.8 and 2.2 g/t Au. Other geologists have, however, picked arsenopyrite bearing pyrrhotite skarn samples from this trench which assayed several ounces of gold per ton. Drill holes targeted on depth extensions of this zone in Phase I failed to intersect any significant gold mineralization (Westerman, 1988). Phase I drilling of other skarns in this area produced a 22 metre intersection with anomalous gold values in Hole 88-8 and a 50 metre section of anomalous gold values in Hole 88-5.

Mineralization exposed at the Lakeview South (Iron Lake) area in two small side-hill cuts takes the form of magnetite matrix breccias with both massive pyrrhotite and garnet-diopside skarn clasts. This type of mineralization contains only background gold values in outcrops and in drill holes. Significantly anomalous but somewhat erratic gold values are present in the lower part of Hole 88-9 from

20 m to 99 m depth. (The hole ended at 99 m depth.) These values occur in low sulphide garnet-diopside skarns complexly interbedded with actinolitic hornfels and endoskarned plagioclase porphyry dikes.

A 4 metre section of Hole 88-9 from 33 m to 37 m assayed 7.12 g/t Au. This section was relogged in detail and reassayed in 20 cm section (Table 2). Four high grade specimens were then subjected to petrographic and S.E.M. investigation by Craig H.B. Leitch (Appendix 3). All of the samples are diopside-garnet skarns but are probably from widely different protoliths.

Sample 34.3 - 34.5 m is a fine grained endomorphosed plagioclase gabbro porphyry dike now composed of an intergrowth of diopside, quartz calcite and garnet. It assayed 25.92 g/t Au with a sulphide content of about 1%. Two small gold particles (20 microns) are present in the polished section, one included in pyrite and the other associated with garnet in a quartz rich groundmass. Neither are related to veins or fractures. Chalcopyrite is present but not directly related to the gold.

Sample 35.15 - 35.30 m is a dark green garnet-epidote-diopside-actinolite hornfels with aggregates of fine grained pyrrhotite and traces of chalcopyrite. It assayed 11.83 g/t Au, but no gold particles were observed. The protolith was probably a bedded calcareous tuff.

Sample 35.8 m is from a 20 cm section which assayed 9.46 g/t Au. The mottled texture in hand sample suggested an andesite flow protolith but the texture may be more metamorphic than original. The rock contains 60% garnet with associated diopside, quartz, biotite and 3% pyrite after pyrrhotite. Chalcopyrite is present but no gold grains were discovered.

Sample 36.1 m is from a 20 cm section which assayed 12.34 g/t Au. The rock is a garnet-quartz-diopside skarn partly retrograded to biotite-actinolite-chlorite. Pyrrhotite, pyrite and minor chalcopyrite are present, mainly as veinlets. Two gold particles (5 microns and 20 microns) were observed enclosed within garnet.

The detailed study clearly indicates the presence of free gold occurring as inclusions in garnet, pyrite and in the groundmass. There is no clear connection between chalcopyrite and gold or between late stage quartz-calcite veinlets and gold. It would appear that the gold is an integral part of the pro-grade metamorphic event associated with intrusion of the pyroxene-plagioclase gabbro stock at Porphyry Lake.

TABLE 2

Detailed Log of DDH 88-9

32.3 m to 37.2 m

	Description	Sample (m)	Assay opt Au
32.3	Swirled "silicified" patchily reX v.f.gr. pale diopside sk w v.v. f.gr. garnet rich patches	32.6	.006
32.3 - 33.0	Has the appearance of an intrusive bx with v.fgr. porcelaneous siliceous "blocks" in a microfractured matrix of dark green hard ?actinolitic? calc-silicate	33.0	.006
		33.2	.004
		33.6	.014
33.0 - 33.75	Homogenous mottled to blotchy textured unit. A contact met^{m} intermediate calcic volcanic flow. Mottled texture is due to v.f.gr. aggregates of (1) epidote, (2) pale brn garnet, (3) pale grn diopside. V. minor chloritic retrograde on hairline fractures. V.v. hard	33.8	.110
		34.0	.098
		34.3	.756
33.75 - 34.0	Dk grn chloritic retrograding on fractures at 45°, 70° and 30° to CA accompanied by a pervasive white bleaching without loss of hardness, non calcareous	34.5	.036
		34.7	.014
		34.9	.056
34.0 - 34.3	As 33.0 - 33.75	35.15	.345
34.3 - 34.5	V.v. f.gr. cherty pale green v. hard unit w irregular contacts of between 45° and 10° CA is probably an endomorph dike. It has bunchy aggregates of Po, Py, Cpy as well as cubic aggregates of Py.	35.30	.082
		35.70	.276
		35.90	.388
34.5 - 35.15	As 33.0 - 33.75	36.1	.360
35.15 - 35.30	Dk. green, m.gr. (sand size grains) diopside rich unit (possibly actinolite?) probably a tuff but not banded. Contains 10% f.gr. dissm po aggregates, minor f.gr. py aggregates and traces of cpy. Comp banding here is almost parallel to the CA	36.3	ns
		36.4	.010
		36.6	.008
35.30 - 36.30	V. hard mottled dark green and pale greenish grey unit. Probably a met^{m} andesitic flow. Green patches are diopside ± actinolite(?), grey patches are probably epidote - v. minor chloritic retrograde on fractures.	36.8	.010
		37.0	.004
		37.2	
36.30 - 36.40	Calcite-qz-chlorite vein at 30° CA with weak net veining of walls		
36.40 - 36.80	Unit same as 33.0 - 33.75		
36.80 - 37.60	Dark green softer chloritic f.gr. unit with angular brecciated white to pale cream cherty fragments / remnants of a pervasive alt		
37.00 - 37.20	C.gr. mottled pinkish brown garnet-diopside skarn cut by irregular calcite-qz-chl veinlets		

Phase II drilling was targeted on possible extensions of gold mineralization in Hole 88-9. Results are not encouraging. The new holes intersected rock types very similar to those in Hole 88-9 and some gold anomalous sections are present, but no "economic" values were encountered. Details are presented in the next section.

PHASE II DRILLING SUMMARY

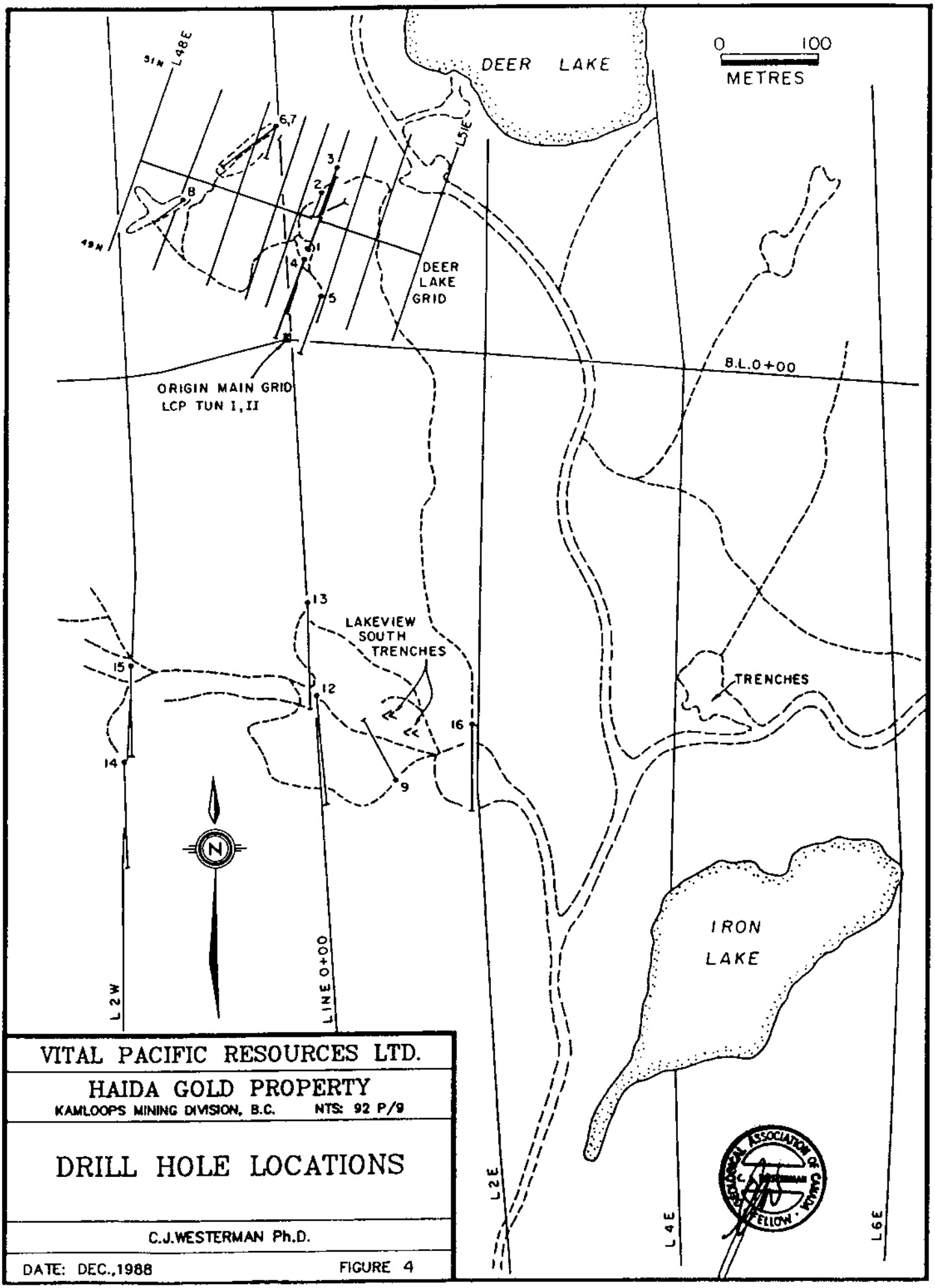
A total of 910.4 metres of NQ diamond drilling was completed in six holes under contract by Iron Mountain Drilling Ltd. of Merritt, B.C. using a skid mounted Longyear 44 Drill. Hole 88-11 was located on the Heidi Lake Grid. Holes 88-12 to 16 were located in the vicinity of Iron Lake testing extensions of gold mineralization previously discovered in Hole 88-9 (Figure 4). Drill logs and analytical results are presented in Appendices 4 and 5, other pertinent data is in Table 3. Drill hole sections are presented in Figures 5-7.

TABLE 3

Drill Hole Data

Hole No.	Grid Location		Angle	Azimuth	Total Depth (m)
88-11	1340.W	1460.S	-60	020	188.4
88-12	00.W	375.S	-45	180	152.1
88-13	00.W	275.S	-45	180	153.3
88-14	200.W	375.S	-45	180	147.8
88-15	200.W	275.S	-45	180	135.0
88-16	200.E	375.S	-45	180	133.8

All of the drill core was split and analyzed in sections having a maximum length of 2 metres. None of the samples contain economic amounts of gold or any other metals. Significant sections carrying geochemically anomalous amounts of gold occur in Holes 88-12 and 88-14.



VITAL PACIFIC RESOURCES LTD.

HAIDA GOLD PROPERTY

KAMLOOPS MINING DIVISION, B.C. NTS: 92 P/9

DRILL HOLE LOCATIONS

C.J.WESTERMAN Ph.D.

DATE: DEC.,1988 FIGURE 4

Drill Hole 88-11

This hole located on the Heidi Lake Grid was targeted on an IP chargeability high located at about 150 metres depth below 1375.S on Line 13.W. The hole intersected a steeply dipping sequence of interbedded cherty argillic siltstone hornfels, andesite porphyry flows and hornfelsed andesitic tuffs. These rocks carry an average 3-5% disseminated pyrite and pyrrhotite. At 150 metres depth the sequence changes to interbedded coarse fragmental rocks including coarse lapilli tuffs, a polymictic sedimentary breccia and a calcareous conglomerate. The latter shows patchy development of garnet-diopside skarn. There is no significant increase in sulphide content at 150 m depth and the hole carries no significant gold values. Weakly anomalous copper, arsenic and zinc values are scattered through the length of the hole.

Drill Hole 88-12

This hole was collared 100 m west of Hole 88-9. It was targeted on a marked IP chargeability high, resistivity low anomaly which coincides with the mineralized section of Hole 88-9. A semi-massive magnetite-pyrrhotite skarn breccia was intersected between 9 m and 20 m. The underlying andesitic tuff hornfels is variably brecciated with a magnetite-pyrrhotite matrix down to a depth of 37 metres. The section from 9 m to 37 m carries erratic chalcopyrite and analytical results indicate copper values up to 0.34% accompanied by geochemically anomalous arsenic ($>$100 ppm). Gold values in the massive skarn breccia are barely anomalous whilst those in the andesite tuff breccia are in the 100 ppb range. Significantly anomalous copper values continue to about 90 metre depth as do weakly anomalous arsenic values. The section from 37 m to 77 m is composed of alternating andesitic tuff hornfels and garnet-diopside skarn with a single andesite porphyry flow(?) unit. This section carries 2-5% pyrite with minor pyrrhotite. It corresponds in appearance, lithology, sulphide content and location with the gold bearing section in Hole 88-9. Unfortunately, gold values are universally at background levels. The remainder of Hole 88-12 is in andesitic tuff hornfels and andesitic porphyry flows with average 2-3% pyrite content. Geochemically anomalous gold values occur in the section 106 m to 120 m and as erratic values to

the bottom of the hole. There is a weak correlation in this section between anomalous gold, anomalous Mo values and silicification.

Hole 88-13

This hole was collared to test two VLF-EM anomalies flanking a magnetic high. The hole was collared in calcareous andesitic tuffs converted to mottled garnet-diopside skarn. From 23 m to 84 m the hole intersected, banded and mottled garnet diopside skarns followed by a hornblende diorite dike from 84 m to 130 m. More andesitic tuff hornfels and garnet skarn are present below the dike. Sulphide content varies from 1-4% pyrite with minor pyrrhotite throughout the hole. Gold values are insignificant except for a few erratic anomalous values. Copper values are weakly anomalous throughout with better values occurring below 100 metres depth. Weakly anomalous arsenic values occur also throughout with better values in the upper part of the hole. Correlations between gold, copper, arsenic and rock type are non-existent.

Hole 88-14

This hole was collared to test the western extension of the IP anomaly apparently associated with gold mineralization in Hole 88-9. It also tested near surface a magnetic high anomaly which is related to a narrow (2 metre) magnetite skarn breccia carrying 5% pyrrhotite and trace chalcopyrite at 14 metres depth. Below this there is a complex garnet diopside skarn unit which is patchy banded and partly has a remnant fragmental texture. The protolith is probably calcareous andesitic tuffs. This unit continues to 76 m depth. Two dikes of distinctive pyroxene-plagioclase porphyritic gabbro intrude the above mentioned skarn. The dikes carry schlieren of fine grained garnet. Gold values in the upper 76 m of the hole are at background levels. Copper values are weakly anomalous down to 40 metres depth. Weakly anomalous arsenic values correlate with higher copper values in the magnetite breccia section between 10 m and 16 m depth.

From 76 m to 92 m the hole intersected a sequence of interbanded andesite tuff hornfels and garnet-diopside skarns which have moderately anomalous copper values and weakly anomalous gold values. In the centre of this section there are

two 30-50 cm thick magnetite sulphide skarns. The upper carries 2% magnetite, 7% pyrrhotite, 3% pyrite and trace chalcopyrite. The lower skarn has 10% magnetite and 2% pyrite. Both skarns carry about 250 ppb Au as do two other one metre sample intervals at 76 m and 78 m depth. There is a strong correlation here between gold values greater than 200 ppb and copper values greater than 1000 ppm in the section from 76 m to 85 m. Immediately below this, the section from 82 m to 90 m contains anomalous Mo values with weakly anomalous copper values.

Below 92 m the hole intersected hornfelsed tuffaceous pyritic siltstones with variable interbedded chert. The siltstones have an elevated gold background content in the 70 - 120 ppb range between 99 m and 130 m depth. This may be a halo effect around a silicified fault breccia at 123 m depth and is partly correlated with anomalous Mo values which peak at the fault. Gold values in the fault are at background levels.

Hole 88-15

This hole tested coincident magnetic high and VLF-EM anomalies which are western extensions of those tested by Hole 88-13. Neither anomaly was explained and no significant gold values were obtained. The bottom of the hole from 79 m to 135 m intersected a hornblende diorite dike. The hole was collared in hornblende diorite porphyry intrusive breccia which extends to 22 m depth. A large xenolith of pyroxene-plagioclase gabbro at 10 m depth exhibits weak retrograde metamorphic effects at its contacts with the hornblende diorite but is otherwise relatively fresh. This suggests that contact metamorphic garnet diopside skarns in the area are not related to the hornblende diorite.

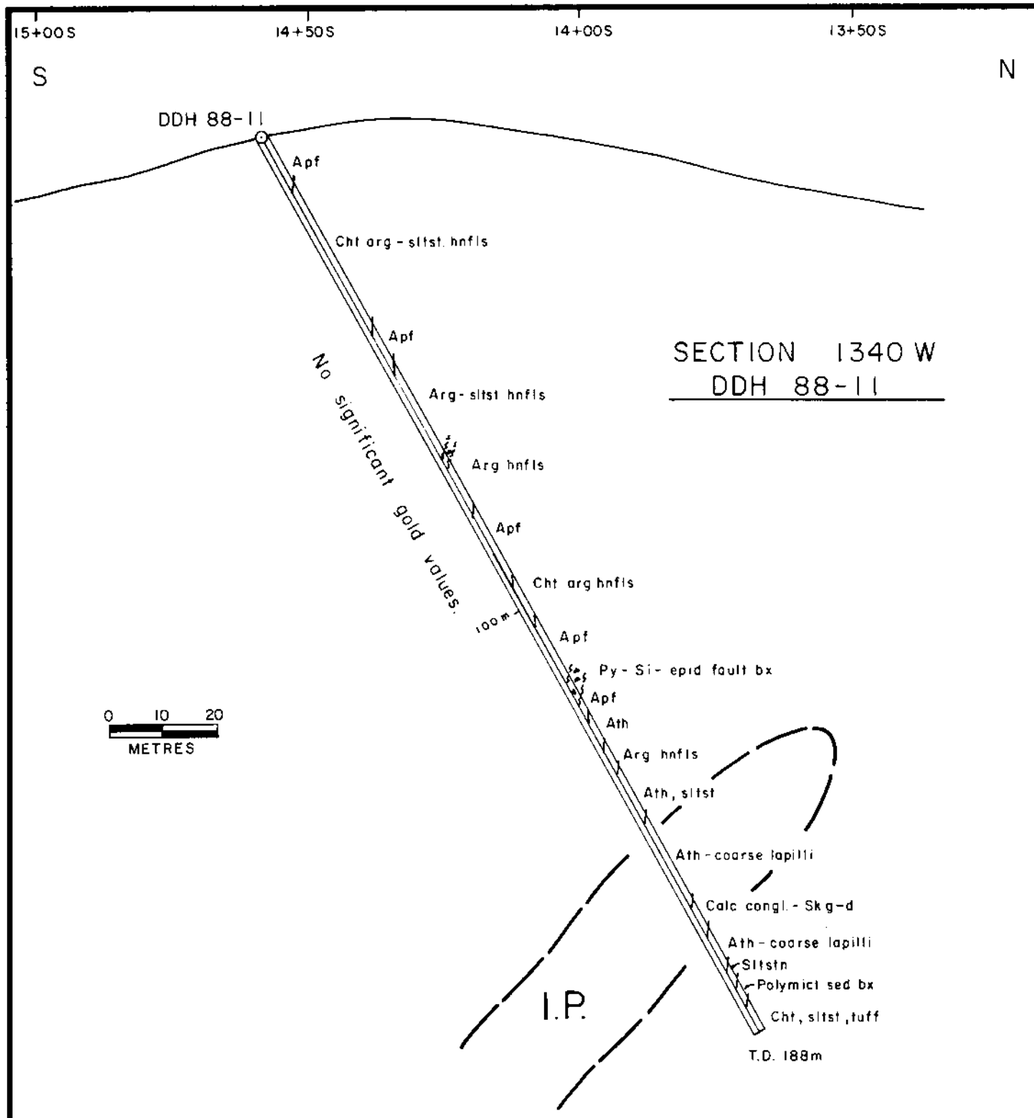
From 22 m to 35 m the hole intersected skarned chert fragment breccias cut by a swarm of pyroxene gabbro dikes, many of which exhibit variable conversion to diopside-garnet skarns. The author believes this may be an endomorphic process. The central part of the hole intersected interbanded garnet diopside skarns and hornfelsed andesitic tuffs between 35 m and 79 m depth.

Weakly anomalous copper values persist through the entire hole but are not accompanied by any other metal anomalies.

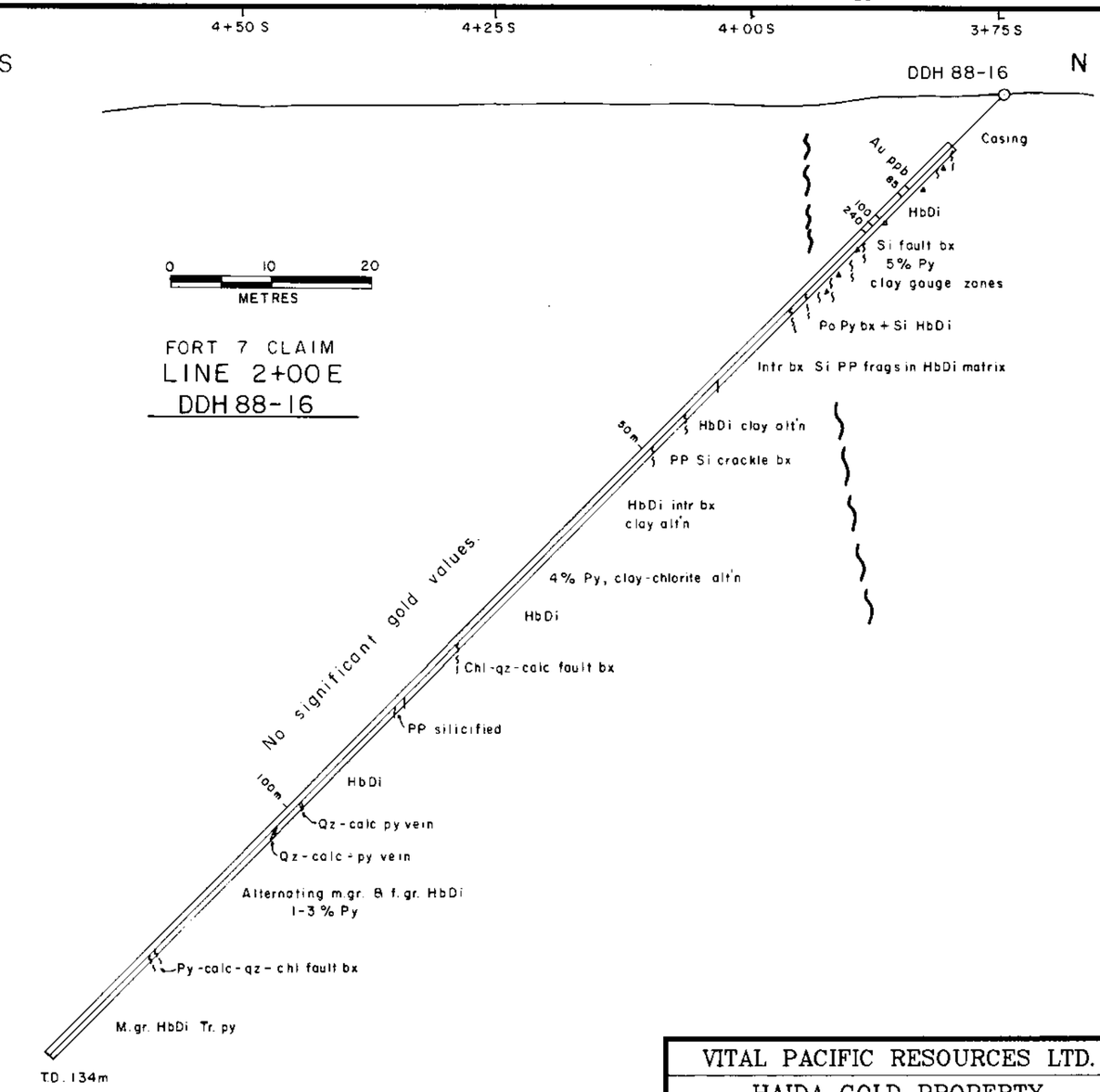
TABLE 4

Legend for Drill Hole Sections

Hb Di	Hornblende Diorite - variably porphyritic
Px Gb p	Pyroxene Gabbro porphyry
PP	Plagioclase porphyry dikes - gabbroic, variably endoskarned to diopside-garnet-quartz
Sk g-d	Exoskarn, coarse grained garnet-diopside
At	Andesitic tuff or Actinolte hornfels (Ath)
Lst	Grey-black banded limestone
Cht	Banded grey chert and chert breccia
Arg	Argillite
Sltst	Banded grey tuffaceous siltstone
Apf	Andesite porphyry (flow?)
Mag	Magnetite
Po	Pyrrhotite
Py	Pyrite
Cpy	Chalcopyrite
bx	breccia
qz	quartz
hnfls	hornfels



SECTION 1340 W
DDH 88-11



FORT 7 CLAIM
LINE 2+00E
DDH 88-16

VITAL PACIFIC RESOURCES LTD.

HAIDA GOLD PROPERTY
KAMLOOPS MINING DIVISION, B.C. NTS: 92 P/9

DRILL HOLE CROSS SECTIONS
DDH 88-11 and DDH 88-16

C.J. WESTERMAN Ph.D.

DATE: DEC., 1988 FIGURE 5

S

4+50S

4+00S MAG. HIGH VLF AXIS

3+50S MAG. LOW

MAG HIGH VLF AXIS

3+00S

N

I.P. CHARGEABILITY HIGH, RESISTIVITY LOW

DDH 88-14

Casing

At Skd-g

20% Mag Sk bx, 5% Po, Tr Cpy

Skd-g

Fault bx

Skd-g

Px, Gb p

Au ppb

80 90 60 50m

Skd-g

Fault bx

Skd-g, Ath

Px Gb p

Skd-g

Tr Py

75

Ath

Skd-g

Ath Tr Py

Skd 7% Po, 3% Py Tr Cpy

Ath

Mag-Po-Ath Tr. Cpy

Skd-g, Ath, Cht

100m 70 55 60 100 110 70 65 80 65 55 85 70

Cht, Sltst, 7% Py

Sltst, 5% Py tuffaceous

120 120

Silic fault bx

tuff sltst

Cht 5% Py

60

Sltst

Cht

75

Sltst - cht

T.D. 148m

HORNBLENDE DIORITE DIKE

DDH 88-15

Casing

HbDi p intr. bx

Px Gb

HbDi p intr. bx

i/b Px Gb dikes & cht frag bx Sb 1-4 % Py

i/b Sk. d-g & cht frag bx in hnfls sltst

50m Au ppb 175

Ath & Sk g-d 1-2 % Py

Sk g-d

HiDi f.gr

Sk g-d

Ath

HbDi

100m

HbDi intr bx minor xenoliths of Skd-g & Ath

HbDi

T.D. 135m

HbDi intr. bx

0 10 20

METRES

NOTE: GOLD VALUES <50 ppb NOT PLOTTED.

GEOLOGICAL ASSOCIATION OF CANADA FELLOW

VITAL PACIFIC RESOURCES LTD.

HAIDA GOLD PROPERTY

KAMLOOPS MINING DIVISION, B.C. NTS: 92 P/9

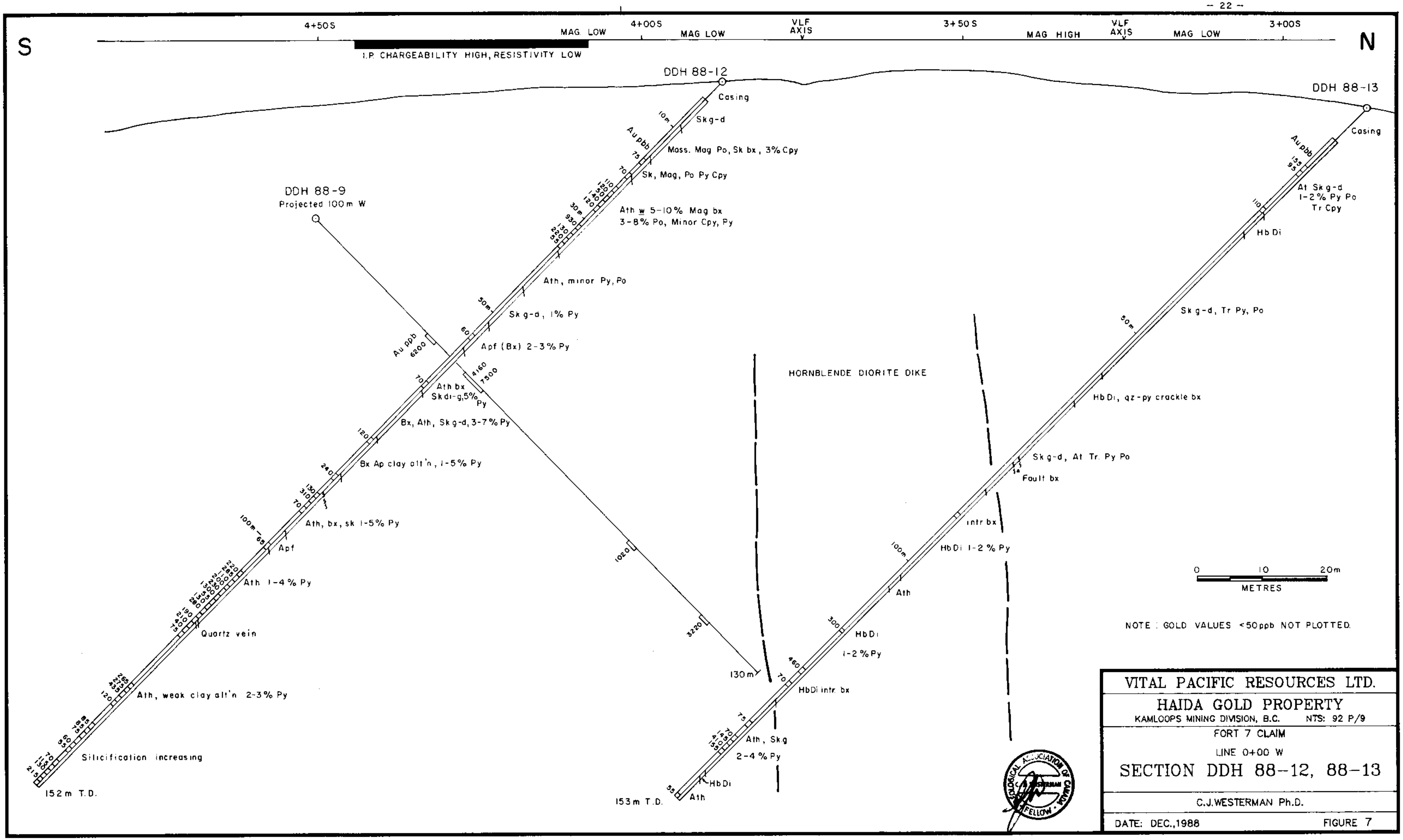
FORT 7 CLAIM

LINE 0+00 W

SECTION DDH 88-14, 88-15

C.J. WESTERMAN Ph.D.

DATE: DEC., 1988 FIGURE 6


S
N
4+50S
MAG LOW
4+00S
MAG LOW
VLF AXIS
3+50S
MAG HIGH
VLF AXIS
MAG LOW
3+00S
I.P. CHARGEABILITY HIGH, RESISTIVITY LOW
DDH 88-12
Casing
Skg-d
Au ppb
Mass. Mag Po, Sk bx, 3% Cpy
Sk, Mag, Po Py Cpy
Ath w 5-10% Mag bx
3-8% Po, Minor Cpy, Py
Ath, minor Py, Po
Skg-d, 1% Py
Apf (Bx) 2-3% Py
Ath bx
Skdi-g, 5% Py
Bx, Ath, Skg-d, 3-7% Py
Bx Ap clay alt'n, 1-5% Py
Ath, bx, sk 1-5% Py
Apf
Ath 1-4% Py
Quartz vein
Ath, weak clay alt'n 2-3% Py
Silicification increasing
152m T.D.
DDH 88-9
Projected 100m W
Au ppb
6200
4160
7500
1020
3220
130m
HORNBLENDE DIORITE DIKE
DDH 88-13
Casing
Au ppb
At Skg-d
1-2% Py Po
Tr Cpy
HbDi
Skg-d, Tr Py, Po
HbDi, qz-py crackle bx
Skg-d, At Tr. Py Po
Fault bx
intr bx
HbDi 1-2% Py
Ath
HbDi
1-2% Py
HbDi intr. bx
Ath, Skg
2-4% Py
HbDi
Ath
153m T.D.
0 10 20m
METRES
NOTE: GOLD VALUES <50ppb NOT PLOTTED.
VITAL PACIFIC RESOURCES LTD.
HAIDA GOLD PROPERTY
KAMLOOPS MINING DIVISION, B.C. NTS: 92 P/9
FORT 7 CLAIM
LINE 0+00 W
SECTION DDH 88-12, 88-13
C.J.WESTERMAN Ph.D.
DATE: DEC.,1988
FIGURE 7

Hole 88-16

This hole was drilled as an eastern step-out from Hole 88-9 but intersected only Hornblende Diorite intrusive. The hole was actually collared in a complex fault zone characterized by pervasive weak silicification and pyritization with numerous late clay gouge and breccia zones. Below 20 m, the alteration gradually decreases through argillic to propylitic and eventually the holes goes into fresh hornblende diorite. Copper values in the 200 - 600 ppm range correlate with siliceous and more advanced argillic alteration near the top of the hole. Gold values are almost completely at background levels.

CONCLUSIONS AND RECOMMENDATIONS

Lower Jurassic limestone, siltstones and cherty andesitic tuffs within the Haida Gold property have been metamorphosed by intrusion of a pyroxene gabbro stock and associated swarm of plagioclase porphyry dikes. Calcareous units have been converted to garnet diopside skarns and diopsidic hornfelses, whilst tuffaceous units are converted to actinolitic hornfelses. The plagioclase porphyry dikes have been variably endomorphosed(?) to a diopside-quartz-calcite hornfels. This metamorphic event is visible in outcrops spread over about ten square kilometres. Late hornblende diorite stocks have intruded the area south of Deer Lake and east of Heidi Lake with little apparent metamorphic effect.

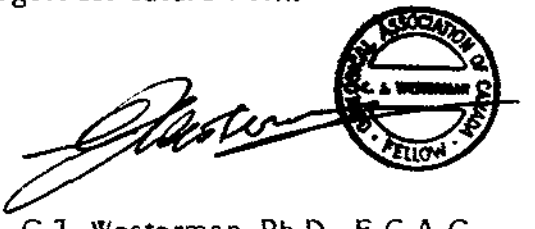
Several pyrrhotite-magnetite skarn bodies occur within the property as indicated by both outcrops and geophysical surveys. Gold mineralization occurs in magnetite skarn, high sulphide arsenopyrite-pyrrhotite skarn and low sulphide garnet-diopside skarn with minor pyrrhotite and pyrite. Drilling in the area of Deer Lake indicates that gold bearing skarns in this area are small lenses with erratic grades and are unlikely to be economic.

Drilling in the area of Iron Lake indicates a widespread occurrence of low sulphide skarns with significant sections of anomalous gold values. "Economic" gold values in these rocks appear to be erratic and related to the presence of free gold associated with the prograde metamorphic event. There is no apparent correlation between gold and sulphide content or between gold and late quartz-calcite veins.

Even the loose correlation between gold and magnetite skarns is a gross spatial association at best. There certainly does not seem to be any association of gold with IP anomalies.

Whilst there is a gross spatial association of gold, copper and arsenic, there is in detail no real correlation between these elements. Geochemical anomalies in these elements are of the same order of magnitude in both soils and rocks. One is tempted, therefore, to conclude that the widespread gold anomalies in soils from this property reflect similar (uneconomic) values in underlying bedrock. This may indeed be the case. It is this author's experience, however, that wherever so much "smoke" is apparent, someone will eventually discover "fire". Unfortunately the work to date has not developed any reliable exploration vectors to follow in the search for an economic concentration of gold. I cannot therefore recommend any attractive targets to be tested by drilling at the present time.

I suggest that a detailed compilation of existing data should be undertaken utilizing the orthophoto base maps prepared this year. This may indicate targets previously overlooked. I also recommend that an adequate geologic map of the whole property should be prepared since none seems to exist at the present time. If geologic mapping were combined with professional prospecting and a rock geochemical survey, it might also provide new targets for future work.



December 15, 1988
Vancouver, B.C.

C.J. Westerman, Ph.D., F.G.A.C.
Consulting Geologist

APPENDIX 1

STATEMENT OF COSTS

HAIDA GOLD PROPERTY - DRILLING PROGRAM - PHASE 2

NUF 1, TUN 1 AND 2, FORT 7, FORT 9, VIT 1 - 8 CLAIMS

KAMLOOPS MINING DIVISION

FIELD WORK UNDERTAKEN SEPTEMBER 15TH TO NOVEMBER 5TH, 1988

Diamond Drilling		
NQ (910.4 m) 2,987 ft. @ $21/ft.	$63,000.00	
168 core boxes and lids @ $9 per	1,512.00	
Casing and shoes	1,088.14	
Mob and demob	2,400.00	
Field costs, 33 hrs @ $75/hr	2,475.00	
Bulldozer D-6, 40 hrs @ $75/hr	3,000.00	$ 73,508.14
Assays		
679 core, Prep, Au FA + AA, ICP 30 El		
679 @ $17.75	12,052.25	
55 core Prep, Au FA @ $12.25	673.75	
1 core Au FA @ $9.75	9.75	12,735.75
Orthophoto basemap - McElhanney invoice		11,162.00
Grid and linecutting - Amex invoice		
31.4 km cut I.P. standard		18,445.00
Salaries and wages		
Consulting Geologist - field 23 days		10,350.00
Consulting Geologist - office 8 days		3,600.00
Geological Engineer - Field 11 days		4,400.00
Casual Labor, 26 man days		2,080.00
Vehicle rental, gas, tolls		3,192.20
Food		674.24
Accommodation		1,162.82
Equipment and supplies		1,149.62
Petrographic report		490.00
Freight		867.30
Warehouse rent - core logging and storage, 6 months		1,200.00
Drafting and map copies		592.50
Secretarial, copies, telephone and couriers		1,357.83
Total		$146,967.40

December 15, 1988
Vancouver, B.C.

C.J. Westerman, Ph.D., F.G.A.C.
Consulting Geologist

APPENDIX 2

STATEMENT OF QUALIFICATIONS

I, Christopher John Westerman, hereby certify that:

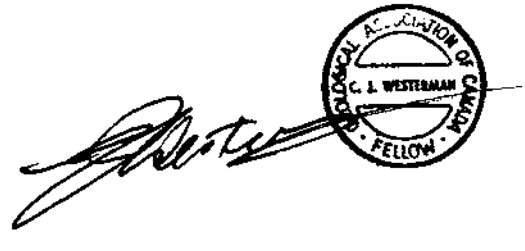
1. I am an independent Consulting Geologist with an office at 1010 -470 Granville Street, Vancouver, British Columbia, V6C 1V5.

2. I am a graduate of London University, England with the degree of Bachelor of Science in Geology (1967); of the University of British Columbia with the degree of Master of Science in Geology (1970) and of McMaster University, Ontario with the degree of Doctor of Philosophy in Geology (1977).

3. I am a Fellow of the Geological Association of Canada (F.525) and a member of the Canadian Institute of Mining and Metallurgy.

4. I have practised my profession in North America since 1967, having worked as employee and consultant for several International Mining Corporations and Junior Resource Companies.

5. This report is based upon a personal examination of all available company and government reports pertinent to the subject property, and upon field work undertaken on the property in 1987 and 1988.



December 15, 1988
Vancouver, B.C.

C.J. Westerman, Ph.D., F.G.A.C.
Consulting Geologist

STATEMENT OF QUALIFICATIONS

I , John Byron Richards certify that:

1) I reside at 2879 West 38th Avenue in Vancouver, Canada,

2) I am a graduate of the University of British Columbia in Geological Engineering,

3) I have practised my profession more or less continuously since graduation in 1970,

4) I have been a member of the Association of Professional Engineers of the Province of British Columbia since 1973,

5) my knowledge of the Haida Gold property, Kamloops Mining Division B.C.is based on Project Management and core logging on the claims in October 1988,

6) I have no interest in the Haida Property or in Vital Pacific Resources Ltd. nor do I expect to receive any such interest,

J.B.Richards, P.Eng
December 15th, 1988

APPENDIX 3

PETROGRAPHIC REPORT - LEITCH

PETROGRAPHIC AND SEM REPORT ON FOUR GOLD-BEARING SKARN SAMPLES FROM HAIDA-VITAL PACIFIC RESOURCES PROPERTY, NEAR BARRIERE, B.C.

Report for: Chris Westerman,
Terrane Resource Management Inc.
1010-470 Granville Street
Vancouver, B.C.
V6C 1V5

Craig H.B. Leitch, P. Eng.

November 5, 1988

DDH 88-9 34.3m: CLINOPYROXENE-QUARTZ-CALCITE-GARNET SKARN

Light green, extremely hard and indurated, siliceous, flinty skarn rock of indeterminate original character. Cut by light-coloured and dark-coloured fractures, the latter with associated coarse blebs of associated sulfide, mainly pyrite. Buff-brown areas spreading out along the light-coloured fractures are composed of garnet, with remnants of the former clinopyroxene and quartz. This sample was described as "very fine grained cherty, pale green, very hard unit, probably an endomorph dike", and assayed 0.756 oz/ton Au over 20 cm. The modal mineralogy in polished thin section is approximately:

Clinopyroxene (?hedenbergite)	35%
Quartz	25%
Carbonate (calcite)	15%
Garnet (andradite)	15%
Pyrite	5%
Amphibole (?actinolite, tremolite)	3%
Epidote (?Fe-poor, clinozoisite)	1%
?Biotite	1%
Chalcopyrite	<1%
Pyrrhotite, sphalerite, ?galena	<1%

The main mass of this skarn is made up of a fine, even-grained mixture of clinopyroxene, quartz, and carbonate. The clinopyroxene grains are about 0.1 mm in diameter on average, and are enclosed in a matrix of quartz of larger size, about 0.2 mm across. Carbonate is erratically distributed, but is apparently related at least partially to later fractures crossing the rock. It forms anhedral, interstitial grains intermixed with the quartz and pyroxene. Clinopyroxene in this suite is distinctly green in thin section, and hence is probably ferriferous. The extinction angle, c^Z, is about 45 degrees, which is permissive for augite or diopside. Assuming diopside is more common in skarn settings, and significant iron is present (from the colour and the optic angle, about 65 degrees), the pyroxene may be iron-rich diopside, or hedenbergite. The carbonate reacts freely to cold dilute HCl, and so is calcite. Amphibole is sporadically distributed along fractures and disseminated as small (0.1 mm or less) grains, apparently replacing pyroxene. It may be actinolite, by its small extinction angle (less than 10 degrees) and sea-green pleochroism (some is colourless, and may be tremolite). Dark brown, flaky grains intergrown with the amphibole in places, and replacing pyroxene, has parallel extinction and may be biotite(?).

The other main portion of this specimen is composed of a patch of yellowish-green garnet, spreading out aong fractures and coalescing to pervasively replace the quartz-clinopyroxene rock. The garnet is distinctly colour zoned, with deeper colour along the reaction front. This may be more iron-rich (almandine) where the iron of the ?hedenbergite is being absorbed, and behind the front, the garnet may be more Ca-Al rich, andradite or grossularite.

All the garnet is isotropic, and forms an optically continuous mass poikilitically enclosing clinopyroxene and quartz. Grains are apparently anhedral and about 0.1-0.2 mm in size. One grain analysed by SEM was andaradite ($Ca_3Fe_2Si_3O_{12}$).

Sulfides are partly controlled along fractures (both garnet-actinolite-?biotite-minor clinozoisite, and later carbonate-rich), and partly occur as coarse bunches outside the fractures. Most of the sulfide is pyrite, as coarse subhedral grains up to about a millimeter across, or masses up to 0.5 cm across. It shows distinct anomalous anisotropism. Chalcopyrite forms anhedral masses up to 1 mm across, usually intergrown with bladed tremolite-actinolite and the brown ?biotite. Pyrrhotite is only found associated with the chalcopyrite, as anhedral grains less than 0.5 mm across. With the pyrrhotite is a curious porous ?pyrite or marcasite (pale blue to purplish anisotropism, stronger than that of the smooth pyrite). The porous material could be the result of alteration of pyrrhotite (the so-called "bird's-eye marcasite") but this is uncertain. Several of the sulfide grains were analysed by SEM; see Appendix), confirming the presence of pyrite, chalcopyrite, and pyrrhotite.

Sphalerite is found intergrown with the chalcopyrite as grains up to 0.1 mm long with reddish-brown internal reflections (indicating moderate iron content), or as minute inclusions, about 10 to 30 microns across, in pyrite in the garnet-actinolite-clinozoisite veins. One grain of possible galena, about 30 microns across, was seen close to chalcopyrite. Detailed examination of all sulfide grains revealed two small gold particles about 20 microns across, one included in pyrite and the other free in silicates (Plate 2). Both are associated with andradite garnet grains, and not with any veins or fractures. Chalcopyrite is present in close association with the gold, as well as an unidentified phase apparently containing only copper and iron (no sulfur). This grain is below the plane of the section, though. The gold contains traces of Ag (and is about 900 fine), plus traces of ?Fe and ?Zn.

DDH 88-9 35.15m: GARNET-EPIDOTE-CLINOPYROXENE-ACTINOLITE-CHLORITE-QUARTZ-CALCITE-PYRRHOTITE SKARN

Dark green, fine grained, very hard, indurated, sulfide-rich skarn cut by light yellow-brown fractures of garnet and then by a 2 mm thick white calcite vein. Sulfide appears to be mostly pyrrhotite in this specimen. This sample was described as "dark green, medium grained (sand sized) diopside rich unit, possibly actinolitic, probably a tuff", and assayed 0.345 oz/ton Au over 15 cm. In polished thin section, this sample differs from the one at 34.3 m by having a virtual matrix of garnet (i.e. the garnet spreading out from fractures in that sample has become almost pervasive). Also, there is much more abundant actinolite, clinozoisite (iron-poor epidote), and accompanying chlorite, combining to give the deeper green colour. Modal mineralogy is:

Garnet (?almandine-andradite)	25%
Epidote (?iron-poor, clinozoisite)	25%
Amphibole (actinolite)	15%
Chlorite	10%
Clinopyroxene (?hedenbergite)	10%
Carbonate (calcite)	5%
Quartz	5%
Pyrrhotite (largely altered to porous pyrite)	3%
Pyrite	1%
Biotite (?)	1%
Chalcopyrite, sphalerite	<1%

Garnet in this specimen is similarly colour zoned as in the one at 34.3m, with border zones of darker, yellow-brown garnet surrounding the main mass of paler-coloured garnet. Even so, the central areas have strong colour in thin section, indicating a fairly high iron content. As before, the garnet poikilitically encloses the other rock-forming minerals, pyroxene, amphibole, etc. However, in this sample the size of the garnet grains can be seen, as zoned euhedral crystals up to 3 mm across, with darker cores (more abundant included actinolite) and lighter rims.

A clear mineral with higher birefringence than the pyroxene also forms irregular masses enclosing other minerals. From the very pale yellow pleochroism, it appears to be iron-poor epidote (?clinozoisite), and forms anhedral irregular masses up to about a millimeter across. Occasionally it has outlines (with garnet) suggestive of psuedomorphing of former phenocrysts, e.g. of plagioclase.

Bright green amphibole is abundant in this specimen, and is probably actinolite. It has a moderate extinction angle of about 15 degrees, and forms felted mats of prismatic crystals about 0.2 mm long, probably replacing pyroxene. The clinopyroxene is the same as described for the previous sample, possibly a hedenbergite. The actinolite itself appears to be retrograded to a bright green to yellow pleochroic chlorite as fine matted flakes about 0.05 mm long.

Quartz forms 0.1-0.2 mm diameter grains, interstitial to or enclosing other minerals. The grain boundaries are occasionally sutured. Calcite is similarly intergrown with the other minerals, and of similar size, although it shows a preference to occur in veins and along fractures.

A dark brown to greenish, flaky mineral is found intergrown with sulfides both in veins and in patches outside the veins. It may have parallel extinction (difficult to see because the strong colour masks the extinction), and so could be biotite.

There is a poorly developed banded structure to this section, caused by alternating layers rich in garnet (yellowish) or epidote-hedenbergite-actinolite-chlorite (greenish). Sulfide seems to be concentrated in the darker, pyroxene-actinolite-chlorite rich layers. The garnet-rich layers could be caused by garnet spreading out from fractures at about 60 degrees to the core axis.

The sulfide looks like pyrrhotite in hand specimen, but the polished section does not confirm this. It appears to be almost all fine-grained, somewhat lamellar secondary pyrite and marcasite, with a porous, spongy texture (?after original pyrrhotite). It does not have the strong anisotropism of pyrrhotite, but rather the weak but distinct anisotropy of the pyrite and marcasite seen in the sample from 34.3m. This is a common alteration product product of pyrrhotite during oxidation, but the sample does not appear to be weathered; perhaps the alteration was hypogene, at the time of retrograding of pyroxene to chlorite. In some areas of the slide there is fresh, strongly anisotropic pyrrhotite, though, and it is in contact with both non-porous pyrite and the porous altered pyrrhotite (which appears to be replacing the pyrrhotite). It is also one of the few places where chalcopyrite occurs, as anhedral grains up to 0.5 mm across, intergrown with bladed green actinolite. Minor sphalerite also occurs with the chalcopyrite, as 0.1 mm grains with bright red internal reflections. No gold particles could be seen.

DDH 88-9 35.8m: GARNET-PYROXENE-QUARTZ SKARN

Dense, very hard and siliceous, flinty, mottled grey-green skarn rock with dark patches that occasionally resemble altered mafic phenocrysts. Thin lighter-coloured fractures and veinlets are garnet. Minor disseminated and fracture-controlled sulfides. Described as a "very hard mottled dark green and pale greenish grey unit, probably a metamorphosed andsitic flow, green patches = diopside ±actinolite, grey patches = probably epidote, v. minor retrograde chlorite on fractures", gold assay 0.276 oz/ton. In polished thin section, however, this rock is almost a garnetite, with the (grey) matrix of the rock being composed of pale yellowish garnet, clinopyroxene and quartz, not epidote; and the dark ?psuedomorphs of former mafics being yellow-green (?more iron-rich) garnet:

Garnet (?almandine-andradite)	60%
Clinopyroxene (?hedenbergite)	20%
Quartz	15%
Pyrite (psuedomorphing pyrrhotite)	3%
Biotite	2%
Chalcopyrite	<1%
Amphibole (actinolite)	<1%
Epidote (clinozoisite)	<1%

The garnet in this rock forms a semi-continuous matrix, poikilitically enclosing all other phases, except for a few patches of quartz between the dark garnet psuedomorphs of former ?phenocrysts. The latter is strongly yellow in thin section, and isotropic. It forms grains (psuedomorphs) up to 2 or 3 mm across with sub-rectanglular outlines. The matrix garnet is only pale yellowish coloured, and is distinctly anisotropic, displaying well-defined zoning. The grains are smaller, mainly less than 0.5 mm across.

Clinopyroxene forms small rounded subhedral grains enclosed in the garnet, averaging about 0.05 mm diameter. They are the same pale green variety seen in the sample from 34.3m, and could be hedenbergite (Fe-rich diopside).

The only other major mineral in this specimen is quartz, as interstitial patches between the mafic psuedomorphs, composed of small grains less than 0.05 mm across. The quartz grains are highly anhedral, with sutured grain boundaries and undulose extinction.

There are minor amounts of dark brown, flaky ?biotite intimately associated with the sulfides, growing around them as flakes less than 0.05 mm long, and along fractures (this could have been identified as chlorite in hand specimen). They may be the result of alteration of pyroxene. A few grains of actinolite after pyroxene are also present.

Sulfide is almost all lamellar pyrite ± marcasite, formed after pyrrhotite. Rare grains of unaltered pyrrhotite are preserved where they are very small (0.05 mm) and enclosed in the silicate matrix. Most of the other grains of sulfide are subhedral aggregates up to 0.5 mm across. In one part of the slide, along a vein of epidote, there are fine (0.05 mm) grains of chalcopyrite. Elsewhere,

chalcopyrite is rare. Extremely fine disseminated grains of sulfide (5-20 micron diameter) are also sometimes present in the matrix of the rock, but most coarse sulfide is distributed along fractures. No particulate gold could be identified in the polished section.

Occasional garnet veins and fractures are not obviously associated with sulfide, but one epidote vein is associated with chalcopyrite. The last veins are thin quartz fractures with traces of carbonate.

DDH 88-9 36.1m: GARNET-QUARTZ-PYROXENE SKARN, PARTLY RETROGRADED TO BIOTITE-ACTINOLITE-CHLORITE

Grey-brown to greenish, very hard, flinty skarn rock with abundant dark brown to green thin fracture network. Thin veins of garnet and sulfide, and quartz and sulfide, cross the rock. In polished thin section, green patches in the rock are composed of quartz, clinopyroxene and actinolite, while the bulk of the rock is massive garnet:

Garnet (Mg-bearing andradite)	45%
Quartz	20%
Clinopyroxene (?hedenbergite)	15%
Biotite, hydrobiotite (after clinopyroxene)	10%
Amphibole (?actinolite)	5%
Pyrite (mainly after pyrrhotite)	3%
Carbonate (calcite)	1%
Epidote (clinozoisite; veins only)	1%
Chalcopyrite	<1%
Chlorite (after pyroxene)	<1%

This rock appears to have been a quartz-hedenbergite skarn before garnetization, which initially replaces the rock along a network of fractures and then these coalesce, to form massive garnetite. As in the specimen from 34.3m, the advancing garnet "front" has zones of darker yellow garnet in it, with the main mass being paler-coloured (?less Fe-rich). An analysis of the garnet by SEM (see Appendix) indicates that it is an andradite, but with a significant amount of Mg, i.e. $(Ca, Mg)_3Fe_2Si_3O_{12}$. The grain size of this isotropic mass is not visible, but it may be composed of fine crystallites less than 0.1 mm across. Also as in the specimen from 35.8m, the garnet in the main massive portion of the rock is completely isotropic, while the garnet in the mottled portion of the rock is strongly anisotropic, displaying well-defined euhedral zoning of crystals about 0.1 to 0.2 mm across. Several stages of garnet veining are apparent, with an anisotropic, pale coloured garnet (with sulfide) being cut by an isotropic, yellow-brown (?Fe-rich) variety. Major quartz-epidote-carbonate veinlets up to 1 mm thick appear to cut the garnet fracturing, but are themselves cut by the network of ?retrograde fractures with actinolite along them. Thin quartz-minor carbonate veinlets appear to cut all other fractures, and a 0.1 mm quartz-calcite veinlet also contains abundant greenish-brown "hydrobiotite" as minute (0.02 mm) flakes; this veining may therefore accompany the degradation of pyroxene to biotite. The pyroxenes nearby are also strongly altered to a very bright green chlorite.

Clinopyroxene grains are green and ?ferriferous as in the other samples, forming the same subhedral to rounded grains of about 0.1 mm diameter. They are poikilitically enclosed by the garnet. The incipient alteration of pyroxene to fuzzy brown ?biotite, starting at the margins of pyroxene grains, and proceeding to replace the entire grain in places, is stronger in this specimen than in that from

35.8m. In certain areas of the rock, 90% of the pyroxene is affected by this alteration.

Quartz grains are about 0.03 mm or less in diameter, and are mainly interstitial to the other minerals except in the green patches of the rock, where quartz forms the matrix to subhedral grains of pyroxene and actinolite. Actinolite is bladed, up to 0.2 mm long, and shows patchy bright green pleochroism and extinction angle of about 16 degrees.

Epidote is restricted to a few veins, where it accompanies quartz, carbonate and sulfide. It thus appears to be important from a mineralization point of view; it shows no pleochroism, and may be iron-poor (clinozoisite). The grains are up to 0.3 mm across, and are anhedral to subhedral. Calcite grains, also restricted to these veins, are up to 0.5 mm across. Euhedral sulfide grains in the veins are pyrite, up to 1 mm across, and associated finer (less than 0.3 mm) pyrrhotite grains, plus lamellar pyrite and marcasite mixtures with the porous, weakly anisotropic aspect found in the other specimens, probably formed after pyrrhotite. Fine hairline fracture-fill pyrrhotite and minor chalcopyrite is associated with the thin quartz-calcite veinlets. Chalcopyrite also occurs as coarser anhedral grains up to 0.3 mm across, intergrown with the lamellar pyrite after pyrrhotite. Two fine (5-20 micron) gold particles were seen in this sample (Plate 1), associated with lamellar pyrite after pyrrhotite, and some chalcopyrite (see Appendix for SEM traces). The gold is of similar fineness to that in the specimen from 34.3m, and contains similar traces of ?Fe and ?Zn. The gold particles are not found in quartz-carbonate veins; instead, they are hosted in granular garnet and pyroxene, in an area surrounded by quartz-carbonate veins.

SUMMARY

Four samples of garnet-clinopyroxene skarn (probably andaradite-hedenbergite), with lesser and variable amounts of quartz, calcite, and epidote, and some retrograding to actinolite, biotite, and chlorite, contain significant gold values. The gold is as discrete particles of native metal (fineness about 900), ranging from 5 to 20 microns across, and free in silicate gangue (mainly with garnet) or else with garnet in pyrite.

Chalcopyrite is found close by the gold, but not obviously intergrown with it. Pyrrhotite is often altered to lamellar pyrite/marcasite in this suite, possibly during retrograde alteration; pyrite is also common as euhedral grains, and traces of sphalerite and ?galena are also present. Significantly, as elsewhere in B.C., the highest gold values (0.76 oz/ton) are found in the one sample containing traces of galena. There is no clear connection between the gold and late-stage quartz-carbonate-±epidote-sulfide veins found in these rocks, nor is there any clear

connection between the gold and the abundant, early-stage garnet veining. However, all four gold particles seen, in two separate samples, are in or associated with garnet grains.

Craig H.B. Leitch, P. Eng.

November 5, 1988.

SEM MICRO PHOTOGRAPHS

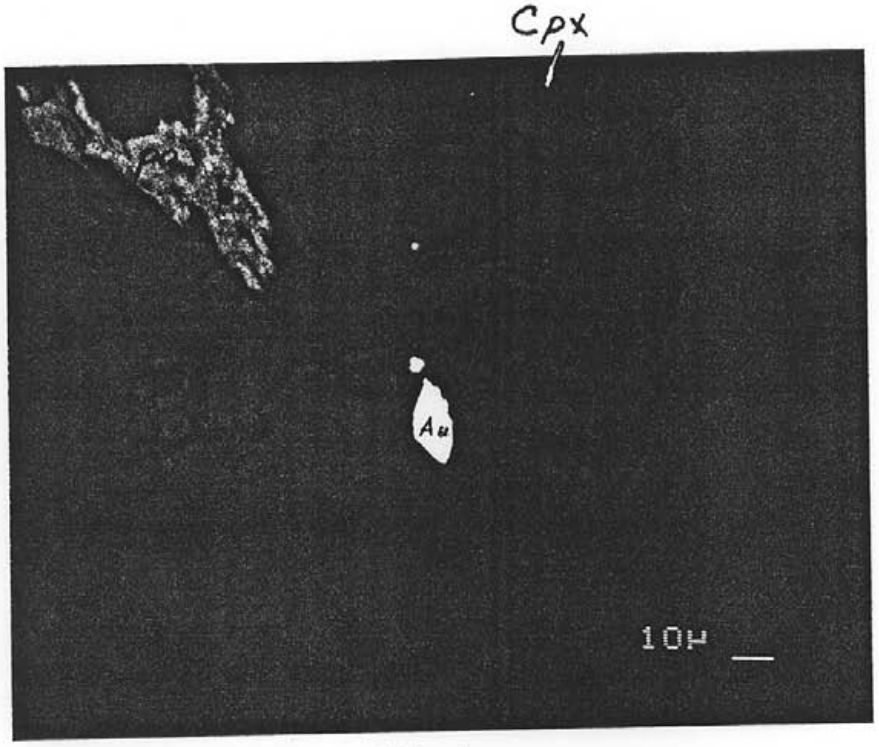


Plate 1. DDH 88-9 @ 36.1m

20µm native gold particle. Backscattered electron image. Lamellar pyrrhotite (po), altered to pyrite and marcasite. Cpx = clinopyroxene; rest is garnet (andradite).

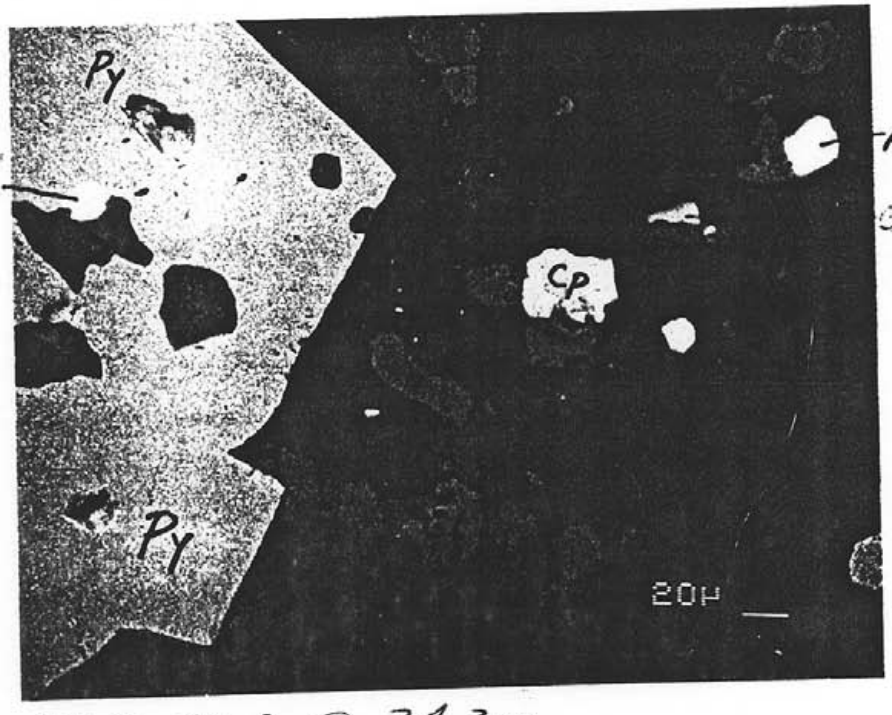
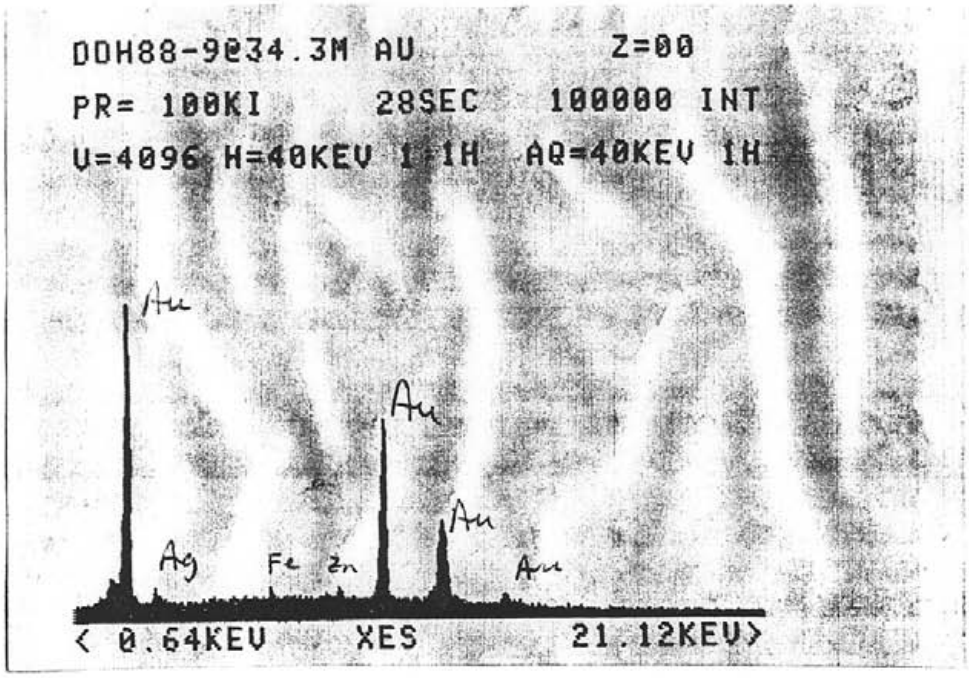


Plate 2. DDH 88-9 @ 34.3m

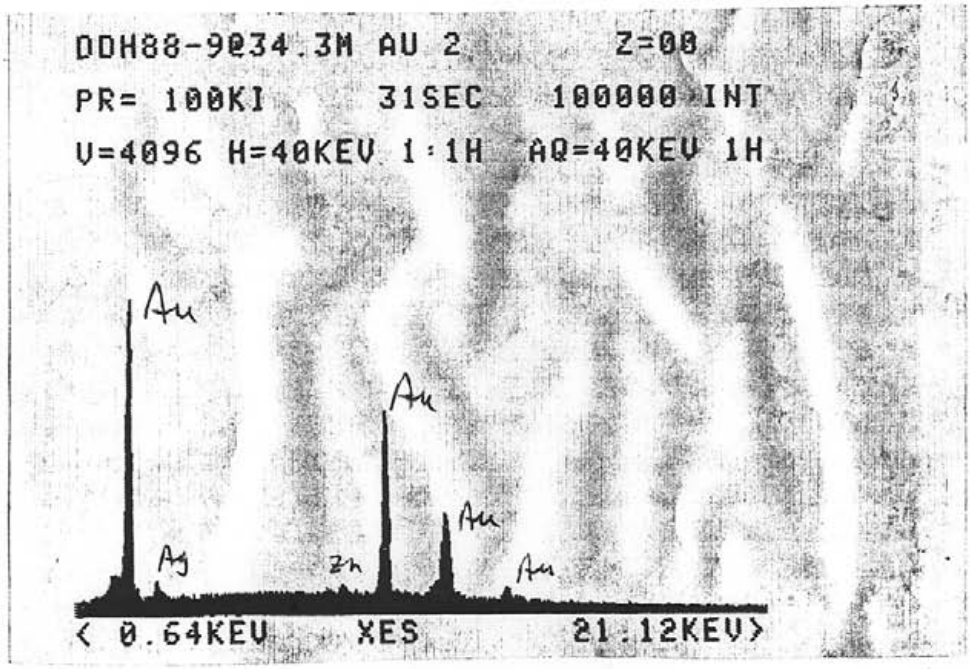
Two 20-30µm native gold particles. Qz = quartz; Gt = garnet; py = pyrite; cp = chalcopyrite; CuFe = unknown phase.

DDH 88-9@34.3m: SEM TRACES

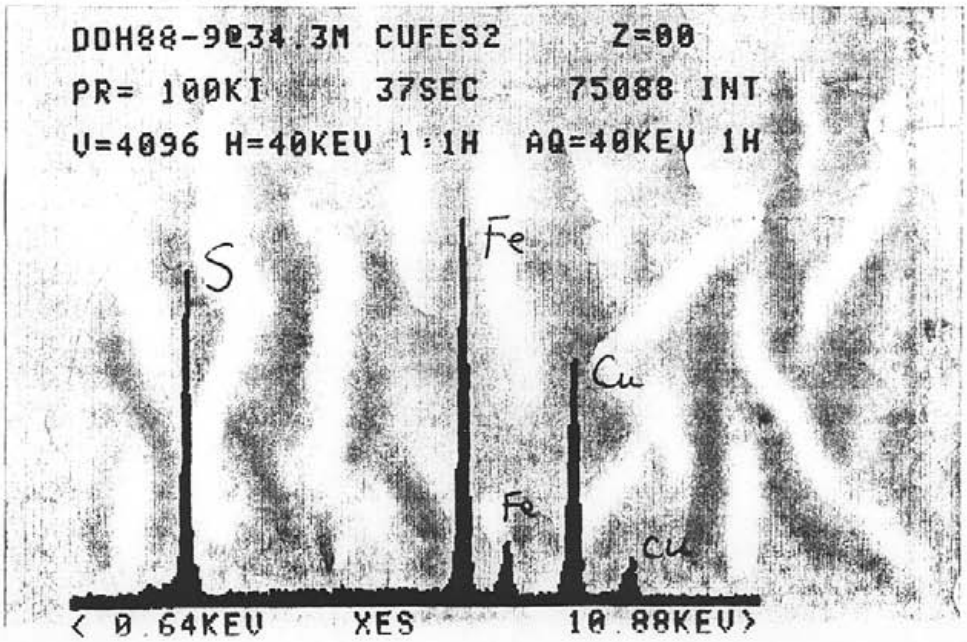
Native Gold (trace Ag, Fe, Zn)

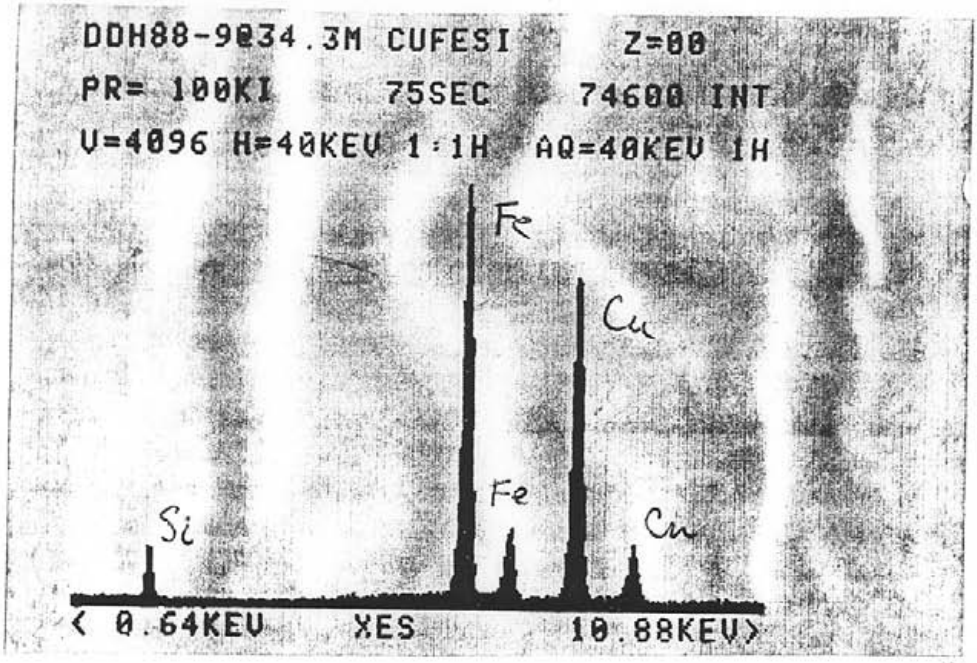


Native Gold (trace Ag, Zn)

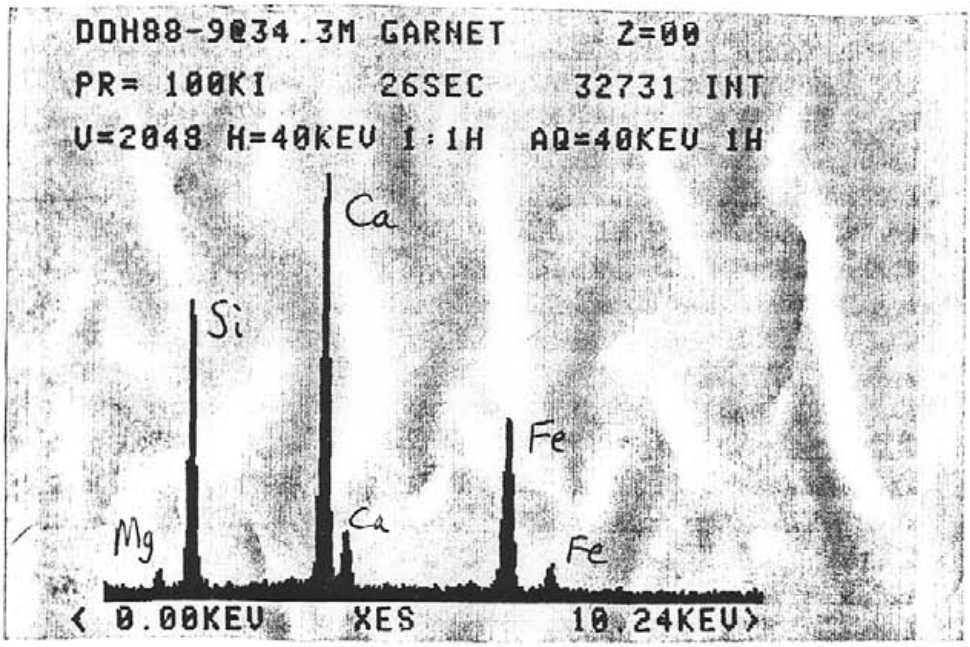


Chalcopyrite $CuFeS_2$





? Unknown phase, Cu Fe (Si = quartz)

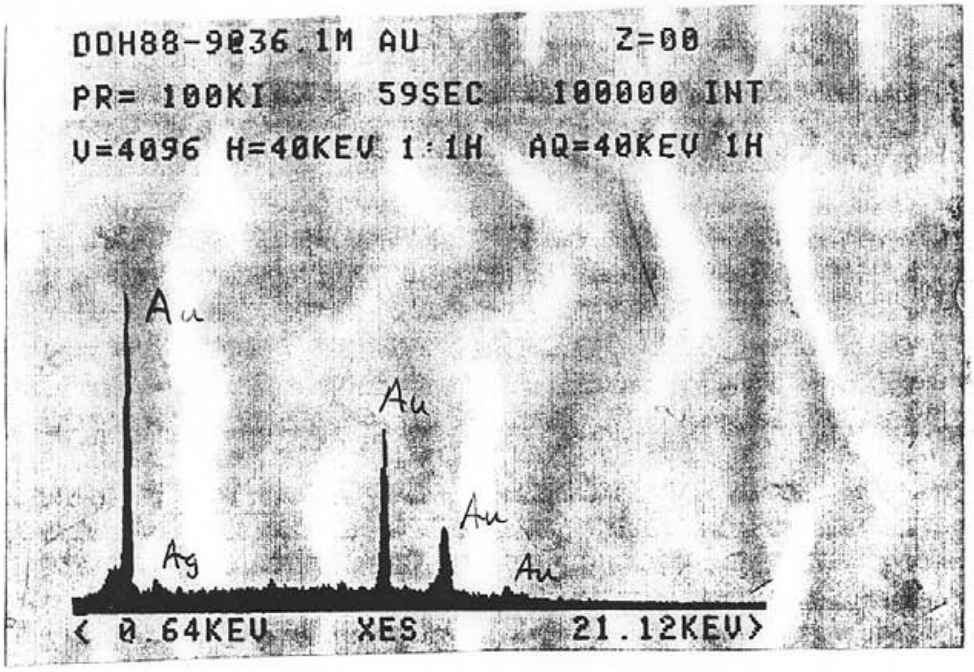


Garnet (andradite, minor pyrope component)

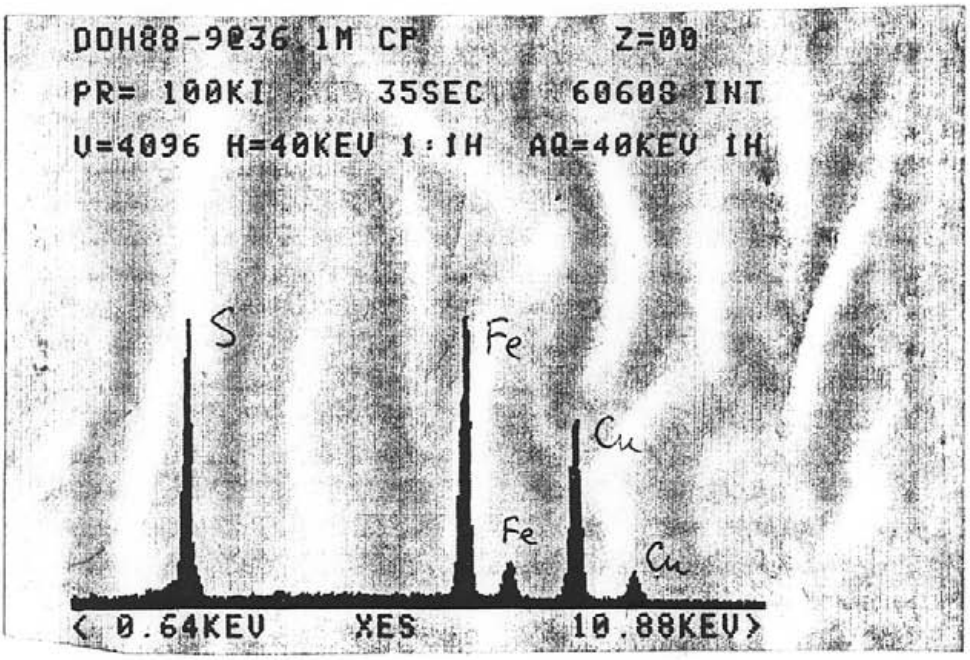
$(Ca, Mg)_3 Fe_2 (SiO_4)_3$

DDH 88-9 @ 36.1m : SEM TRACES

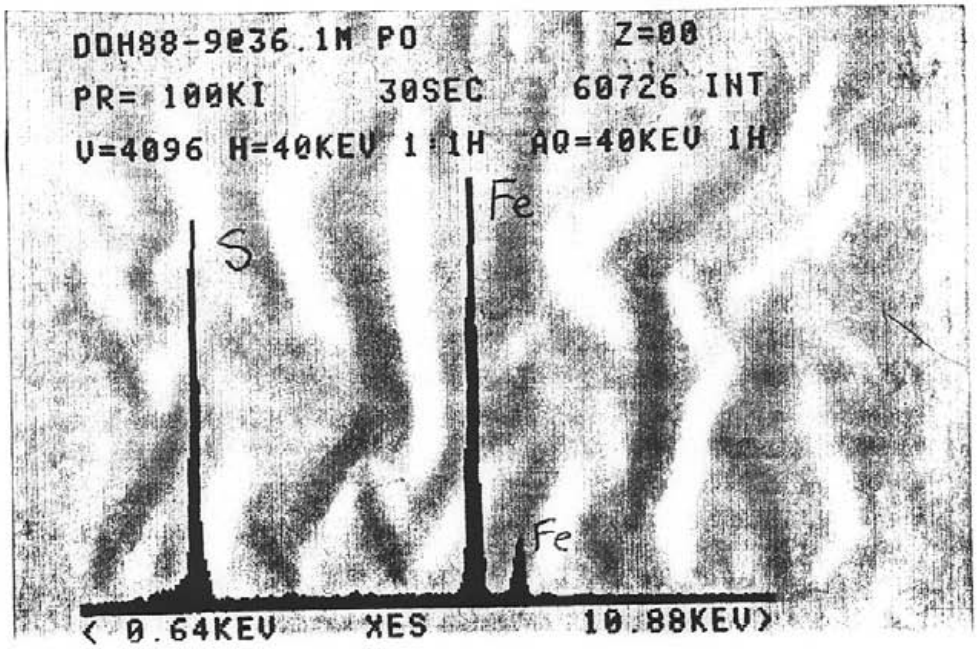
Native Gold (trace Ag)

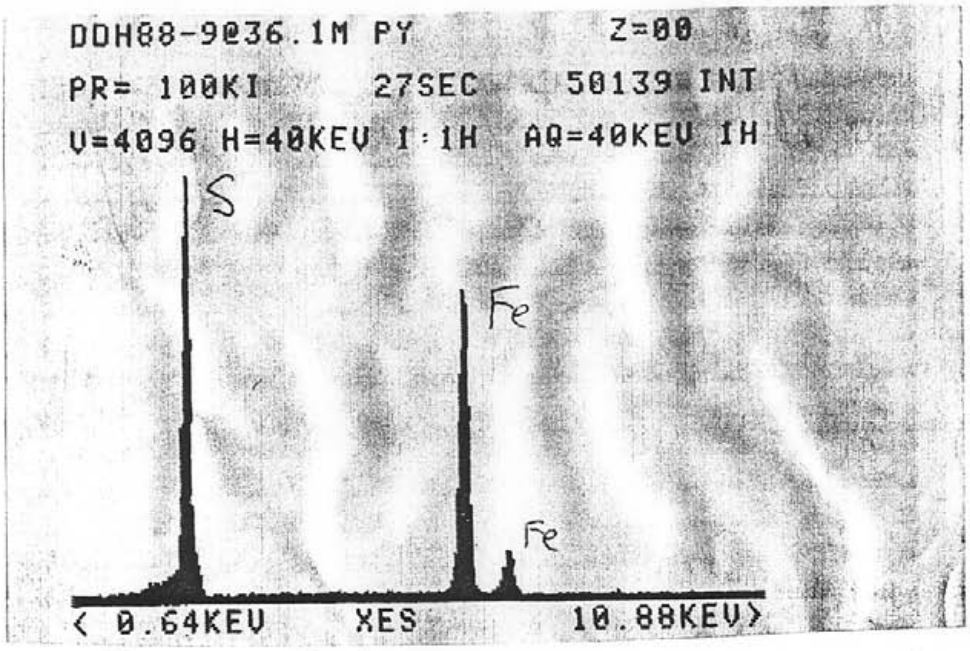


Chalcopyrite $CuFeS_2$

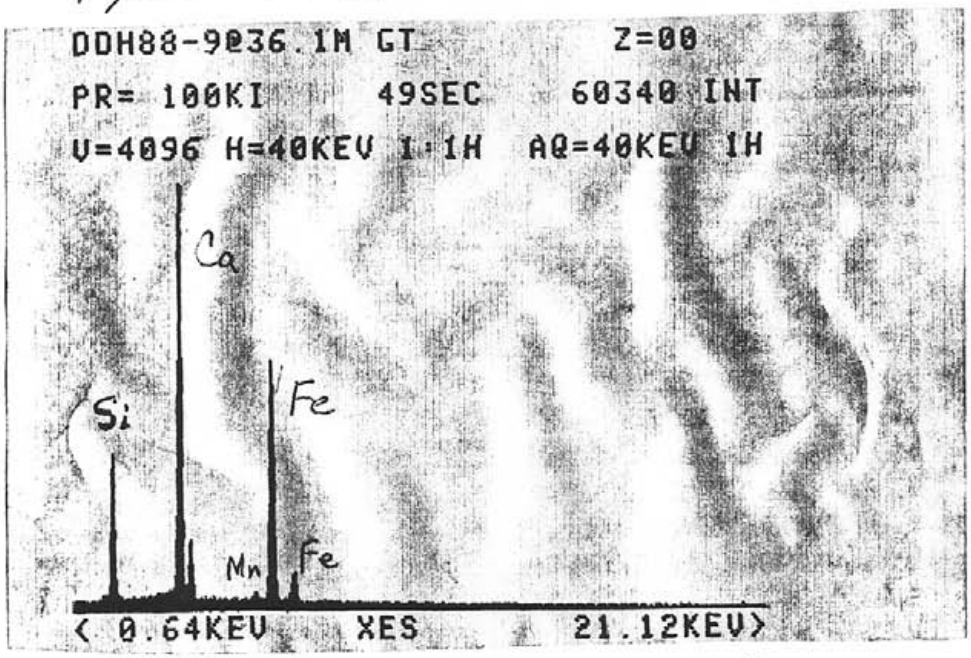


Pyrrhotite FeS





Pyrite FeS_2



Garnet (andradite) $Ca_3Fe_2(SiO_4)_3$

APPENDIX 4

DRILL HOLE LOGS

PROJECT: HAIDA - VITAL PACIFIC RESOURCES LTD. NTS: 92P/9

COORDINATES:	1340W / 1460S	INCLINATION: -60° BEARING: 020°T	TOTAL DEPTH 188.4 m	p. 1 of 4
STARTED: 12 Oct 88 FINISHED: 16 Oct 88 LOGGED BY: CJW		DESCRIPTIVE GEOLOGY		HOLE NO. 88-11

Metres	
0 - 3.05	Casing.
3.05 - 15.2	M.gr. v. weakly porphyritic plag. hbl andesite, massive, unfoliated, weak propylitic alteration, weak qz vnlts on fractures at 45° CA, weak rusty pyr-chlorite fracts at 10° CA.
@ 7.5	2 cm pyrite on fracts at 60° CA.
@ 11.2	20 cm broken fault bx, py chl in matrix.
@ 11.3	1 cm pyr - chl fract at 5° CA.
15.2	@ 20° CA contact 5 cm breccia chlorite-pyrite-qz matrix.
15.2 - 27.1	Banded hornfelsed black cherty argillite and gey siltstone, banding at 45° CA. Pale grey-green bands in upper 4 m are cherty - more silt below. Weakly fractured with qz-calcite or pyrite-chlorite fract filling. About 4% v.fgr. dissem pyrite throughout.
@ 18.5 and 21.5	is 5 cm pyrite bx.
27.10 - 28.15	M.gr. pale grey-green tuffaceous siltsn, 4% f.gr. diss pyr, moderate crackle bx of late pyr-chl veinlets. 1 cm wide diffuse qz-mariposite - pyr - po - cpy vein at 10° CA passes thru centre of unit.
28.15 - 30.20	Hnfld black argillite, minor 1 cm thick siltstone bands - crackle bx of chlorite and pyrite in lower 20 cm.
30.2 - 31.2	Pale grey-green m.gr. tuffaceous siltstone, 3% dissem pyr, strong crackle bx chl-pyr-qz-calc, early diffuse vein 5 mm wide at 5° CA has qz-mar-po-py-cpy.
31.2 - 32.0	Crackle brecciated black hornflsd argillite - qz calcite net veining with variable pyrite.
32.0 - 33.6	Banded black hnflsd argill with sltst laminations at 20° CA.
33.6 - 35.4	Hnfls blk arg crackle bx epidote stringers ± qz/calc, py on fracts.

Metres	
35.4 - 36.0	Pale green tuff? or epiclastic sst, 4% diss pyr, white calcite-qz bands 1 cm wide.
36.0 - 38.3	Hnfls blk argill with 1-2 cm pale green-grey sltst/tuff bands at 30° CA.
38.3 - 40.9	Chilled top contact at 90° CA - crowded plag pheno ± hbl andesite porphyry dike. 2-6% diss py ± po.
40.9 - 43.0	Grey cherty looking hnfls - 5 mm sulf. vein at 20° CA at 41.7 has po py - ghost banding at 45° CA, epidote alteration probably a tuff with strong argillite component.
43.0 - 44.0	Pale green-cream cherty tuff, epidote alteration, pyr crackle breccia - this may be a contact chilled phase of following dike.
44.0 - 51.2	Grey m-f.gr. andesite variably hornblende and/or plag porphyritic qz-calc veins at 45.9, 48.0, 48.4, constant crackle bx of qz veinlets, chilled basal contact in part flow banded, ends with qz vein.
51.2 - 53.2	Black hnflsd argillite.
53.2 - 53.5	Pale grn chilled plag porph dike, contacts at 45° CA.
53.5 - 64.0	Banded blk hnfels argill and sltst, banding at 35° CA. Autobx f.gr."andesitic" dikes at 61 m (5 cm), 63 m (10 cm) w chilled margins and 10% po and pyr as dissem - fracture fillings.
64.0 - 74.6	Blk argillite hornfels, minor sltstn bands at 30° CA increasing crackle bx to 67.5 which is first fault bx 10 cm at 80° CA. From here fault bx chlorite-pyr-clay ± qz as 5-10 cm zones along fractures at 10° CA, 45° CA, fault bx from 70.5 -71.0 and 71.2 - 72.5, then fracturing decreases intensity to 74.6. Section contains about 5% pyrite overall in fractures, heavily chloritic but no graphitic. The host rock is dense, black, hard.
74.6 - 75.5	Lt. grey hbl andesite dike, contact 90° CA, moderately fresh weak calcite veining, tr pyr diss.
75.5 - 80.5	Blk hnflsd argill w v. minor sltst bands 25° CA.
@ 78.6	10 cm broken pyrite-chlorite zone.
@ 80.5	5 cm qz-calc vein bx at contact.
80.5 - 95.6	Massive f.gr. andesite, weakly hornblende porphyritic, 2% diss pyr weak qz-calcite veining, minor pyrite-chlorite on fracts.

Metres	
@ 90.5	10 cm at 45° CA silicified, healed qz vns.
@ 92.5	Weak flow banding.
@ 95.6	Contact weakly bx, minor qz at 80° CA.
95.6 - 106.2	Blk hnflsd cherty argill (hard) with irregular veins of grey autobx bleached and silicified hbl-plag porphyry with up to 8% dissem pyr ± po. 96.1 - 96.6 is one such dike with f.gr. aggregates of po - also 99.8 - 100.0. Cherty banding at 98.0 is 20° CA - the argill background also has irregular patches of "cherty tuff" which are v. similar to the dikes and have po - py aggregates.
@ 99.7 - 99.8	Fault bx at 10° CA.
@ 101	Banding at 20° CA.
@ 104.88	Broken pyr-chl bx 10 cm followed by 10 cm solid then
@ 105 - 106.2	variably bx or net veined by calcite-qz-pyrite.
106.2 - 117.5	Top contact chilled for about 50 cm then weak flow banding for 30 cm, then massive f.gr. andesite porphyry with plag phenos to 2 mm, weak qz-calc net veining, tr pyr, minor hbl phenos all v. weakly altered.
@ 112.6	is 1 cm calcite-qz vein at 20° CA.
@ 114.0	healed pyrite silica bx 4 cm wide at 20° CA increasing autobx - possibly contact bx or flow top bx (?) - increasingly chilled.
117.5 - 120.5	Complex pyrite-epidote ± silica bx fault zone contact parallel to core (approx 10% pyrite).
120.5 - 125.0	Andesite porphyry - plag phenos chilled basal contact 50 cm epidote-qz-calc veined at 80° CA.
125.0 - 130.5	Dark grey, hard diffusely banded hornfelsed andesitic tuff with fine hbl xstal lapilli, cherty argillite component and locally silty component. Banding at 25-30° CA, weak pyrite on fractures. Pyritic crackle bx at 127.5 m.
130.5 - 136.3	Diffusely banded hnflsd cherty black argill with grey sltst laminae, rip up clasts. 3% dissem f.gr. pyr. Weak pyr crackle bx at 133.8, thin qz-calc veinlets // ore at 134.4.
136.3 - 139.4	Complex zone of grey cherty tuffaceous sltst, crackle bx of pyrite ± qz-calcite. Total approx. 5% pyrite.
139.4 - 144.7	Lithic lapilli tuff - mainly grey angular chert frags, some black argill, v.f.gr. dark matrix.
144.7 - 146.0	F.gr. grey andesitic tuff w black hbl xstals. Banding at 50° CA, minor sltst laminations.

Metres	
146.0 - 151.3	Coarse frag lithic lapilli tuff or sed bx - 3% f.gr. diss pyr interbeds 2 cm - 5 cm near base of pale grn chert and black argill.
@ 151.3	5 cm qz-calcite-pyrite vuggy vein at 30° CA at contact.
151.3 - 152.6	Blk v.f.gr. dense hnflsd chty argill "sooty" non-calc, tr v.v.f.gr. pyr contact at 70° CA.
152.6 - 166.5	Coarse lapilli tuff - f.gr. andesitic matrix - angular frags of white chert, dk grn f.gr. andesite, minor silty chert interbeds at 45° CA.
@ 160	2 cm qz-calc-pyr vn // CA and at 160.1 similar vn at 45° CA.
@ 161	10 cm pyritic fault gouge bx.
166.5 - 170.0	V. coarse rounded fragmental - frags are f.gr. aggregate of pink garnet ± diopside as some of the matrix some large frags are plag porph or hbl porph f.gr. andesite. This looks like a contact met^{m} calcareous conglomerate bed between two thick andesitic lapilli tuffs which may themselves be sedimentary breccias in part.
170.0 - 179.2	Coarse bedded lapilli tuff or sed bx bedding at 50° CA.
179.2 - 18.10	Variably laminated grey tuffaceous siltstone, bedding at 45° CA.
181.0 - 182.2	F.gr. andesitic tuff, top contact 20 cm has pale grn diopside growth and diffuse aggregate of f.gr. pyr and po to about 9% total.
182.2 - 184.3	20 cm coarse polymictic bx followed by bedded angular chert fragment sed bx incl 183.6 - 183.9 pale garnet diopside skarn from calcareous sed breccia.
184.3 - 185.0	Weakly laminated grey siltstone with rare angular chert frags.
185.0 - 188.41 CA.	Banded chert, cherty pale grn tuff, cht frag bx, andesite tuff? (plag ± hbl phenos) minor white qz vns at 80°
	END OF HOLE 188.41

PROJECT: HAIDA - VITAL PACIFIC RESOURCES LTD. NTS: 92P/9

COORDINATES:	0W / 3+75S	INCLINATION:	-45°	TOTAL DEPTH	
		BEARING:	180°T	152.10 m	p. 1 of 3
STARTED:	16 Oct 88				HOLE NO.
FINISHED:	21 Oct 88	DESCRIPTIVE GEOLOGY			88-12
LOGGED BY:	J.B. Richards				

Metres	
0 - 3.65	Overburden.
3.65 - 9.84	Med-fine grained fragmental, pale buff to med brown and green mottled. Skarn steadily increasing 3.65-9.84. Brown with garnet, green, diopside. Fragmental is ash tuffaceous with minor clust and lapilli bands, and rework seds. Bedding irregular, some cross bedding, 0.5% diss sulphides.
9.84 - 36.3	Mineral zone, massive mag and po replacing beds. Rock generally finer grained, green, occasional bx filled with mag/po rare large frag. in finer seds. Chpy in finer disseminations and often rimming po, usually fracture controlled. Skarn dimminished from about 20 m, but strongly hornfelsed and very hard. Slightly limey (core fizzes with 10% HCl). Hornfelsed fragmental as above. Bedded 70-30° to CA. Buff to dark grey. Little garnet or diopside, epidote. Pale buff porphyroblasts give rock a more granular look. Mag and po as replacement and bx filling. Minor py and chpy in fractures in mg, po and rock. Uniform salt and pepper texture in grey, green and black grains makes strongly hornfelsed fragmental look intrusive.
36.3 - 36.7	Hornfelsed fine grained fragmental, fine ash/sand size. Generally buff coloured with occasional dark to black mottling. Little skarn development, or magnetite. Occasional irregular masses of po odd veinlets. Garnet and diopside in patches.
46.0 - 52.2	Medium grey-greenish with 10-20% brown patches of garnet in patches and pseudo veinlets. Some hornfelsed fragmental.
52.2 - 55.0	Andesite porphyry flow. 20-30% 1x2 mm white (Fx?) phenos in med grey aphanitic groundmass. 3-5% f.gr. diss py tr. po.
55.0 - 55.6	Med and pale grey mottled. Vague suggestion of bx texture. Andesite breccia fine grained frag. in patches - taken to be ash tuff between bx frags.

Metres	
55.6 - 55.78	Calcite-chlorite filled shear, prehornfelsing.
55.78 - 60.93	Andesite bx as 55.0 - 55.6, py on fractures.
60.93 - 61.57	Dk. green to black breccia v. angular frags 80% frags. Calcite, epidote and diopside in matrix. Py, po and chpy in veinlets in bx frags. mag in patches.
61.57 - 67.0	Andesitic bx tuff with ash matrix. Moderate skarn development, epidote diopside and garnet, patchy mag. Dark green with brown patches, slightly limey.
67.0 - 78.94 @ 76.59 @ 78.8 - 79.0	Breccia, polylithic, various volc. frags, angular to rounded. Mod. skarn as above. Mixture of tuffs and flows? Strong skarn w. mag, po and chpy dk green and black. Slight bleaching and clay altn.
79.0 - 86.0	Same polylithic bx tuff but light clay altn. Garnet still evident, but other skarn min. bleached out.
	All of broken material below has some degree of clay altn related to fracturing.
86.0 - 86.75	Porphyritic andesite, approx 20% 1-2 mm fxphenos, white in med grey matrix, 3-5% v. fine diss. py and chpy.
86.75 - 87.6	Interflow bx.
87.6 - 89.4	Andesite, as 86.0 - 86.75.
89.4 - 89.6	Fault bx, druzzy qtz in matrix, some mag frags.
89.6 - 92.0	Interflow bx and tuff mod. garnet skarn.
92.0 - 94.7	Med-fine grained xtal tuff.
94.7 - 97.6	Mixed volcanics, bx to dust tuffs. Patchy skarn, mostly garnet. Numerous faults of numerous ages make cemented and uncemented bx.
97.6 - 97.9	Andesite porph 10% phenos, grey green, no sulphide.
97.9 - 98.2	Interflow bx.

Metres	
98.2 - 100.0	Andesite flow as above - no sulphides.
100.0 - 117.1	Mixed volcanics, breccia to dust tuff. Patchy skarn, generally diminishing with depth. Dk grey to black.
117.1 - 117.63	Qtz vein, milky white in centre, druzzy, 10 cm either edge contaminated.
117.6 - 122.8	Mixed volcanics as 100-117.1, skarn very light. Light to mod. clay altn, slightly limey.
122.8 - 152.1	Med-fine grained ash tuff, med grey, massive bedding. Weak clay altn, over hornfelsing, little or no skarn, 1-5% diss, sulphides, virtually all py. Moderate to strong fracturing, py on fractures.
133.0 - 139.0	Mod to strong silicified (or cherty).
138.0	Med grey is bleached to pale grey 1 cm each side of old fractures with py and chlorite.
141.0 - 148.0	Silicified as 133-139. Ash tuff as above. Largely silicified (est 80% + SiO_2).
	END OF HOLE 152.1 m

PROJECT: HAIDA - VITAL PACIFIC RESOURCES LTD. NTS: 92P/9

COORDINATES:	0W / 2+75S	INCLINATION: -45° BEARING: 180°T	TOTAL DEPTH 153.3 m	p. 1 of 2
STARTED: FINISHED: LOGGED BY:	21 Oct 88 24 Oct 88 J.B. Richards	DESCRIPTIVE GEOLOGY		HOLE NO. 88-13

Metres	
0.0 - 8.2	Overburden. Approx .6 m of fill.
8.2 - 23.5	Med-coarse grained fragmental, probably ash tuff. Hornfelsed and skarn, light grey-brown with garnet. Occasional greenish patches. Skarn development moderate to strong.
@ 20 - 23.5	Skarn strong. No original fabric left. Less garnet, more diopside/epidote?
23.5 - 23.9	Irregular mass of dk. grey porphry. Hornfelsed andesite? Chilled margins.
23.9 - 25.3	Skarnified fragmental as above.
25.3 - 26.8 & 27.5 - 28.1	Medium-fine grained salt and pepper texture hornblende andesite. Irregular upper contact less irregular lower contact, but probably not flows. More diorite than previously.
@ 26.8 - 27.5	Strongly skarnified fragmented.
28.1 - 33.7	Med brown skarn, nothing left of original texture.
33.7 - 40.0	Fragmental - moderately skarnified color changed to shades of green-grey mottling. From 36.5 m garnet brown mottling is added. Color changes are patchy and irregular. Little left of original fabric.
40.0 - 59.4	As above but all variations of color are at least slightly limey, brownish and black are moderate to strongly limey.
@ 48.0 - 49.2	Preskarn bx, largely dk green, diopside.
59.4 - 63.5	Medium-fine grained intrusive. Diorite 40-60% average 40%, .5-1 mm dk green mafics in white feldspathic ground. Mafics occasionally chloritized. Moderate crackle breccia is filled with white veinlets of quartz. Slight possibility that this is a hornfelsed ash tuff. Rock is probably prehornfelsing event in any case. Occasional blocks of volcanics as noted. Lower contact irregular.

Metres	
63.5 - 84.4	Skarnified volcanics as 40 - 59.4 limey, largely garnet.
@ 70.5	Pyrite veinlets are cut by qz-carb veinlets.
@ 77.4 - 78.2	Tectonic bx, sulphides in bx frags, not matrix in part qz-calcite cemented.
@ 81.3 - 81.6	Bx as 77.4, but rebx.
@ 82.0 - 83.0	Pale grey-green/grey brown 1 cm banding may be bedding in f.gr. fragmental.
84.4 - 103.1	Diorite as 59.4 - 63.5. Occasional blocks of entrained volcanic fragmentals. Intrusive is probably prehornfelsing stage of local geology, based on look of several completely healed tectonic bx. bands. Several phases with slightly differing fabric are seen.
103.1 - 105.1	Grey-green mottled hornfelsed fragmental. Some skarn.
105.1 - 116.0	Diorite as 59.4 - 63.5, numerous aphanitic blocks that in some cases look like chilled contacts between phases and others that may be entrained volcanics. Light clay altn in heavily fractured zones. Felsite veins cut aphanitic bands. Salt and pepper texture decreasing, pale kakhi aphanitic material increasing to point of blocks of "diorite" in andesite.
130.7 - 140.0	Mixed fragmentals, ash and dust tuffs, hornfelsed. Occasionally skarnified. Usually grey-green, occasionally brown with garnet. Patches within the fragmental, noteably at 132 look like cobbles of diorite.
140.0 - 142.0	Black limey fragmental. Broken volcanics in limey pyritic matrix. Unclear of tectonic or primary .5-1cm banding.
142.0 - 142.3	Similar to above but less matrix, more greenish fragments.
142.8	As 130.7 - 140.0.
147.1 - 149.2	Andesitic / diorite dykes / flows or cobbles predominate. True relationships unclear. Felsite veinlet fill crackle bx.
149.2 - 153.3	Mixed fragmentals, hornfelsed and variably skarnified as above. From 151 m a more uniform grey crackled rock with blueish qtz that seems to contain v.v. fine blueish metalic.
	END OF HOLE 153.3 m

PROJECT: HAIDA - VITAL PACIFIC RESOURCES LTD. NTS: 92P/9

COORDINATES:	2W / 3+75S	INCLINATION: -45° BEARING: 180°T	TOTAL DEPTH 147.8 m	p. 1 of 4
STARTED: FINISHED: LOGGED BY:	24 Oct 88 29 Oct 88 CJW/JBR	DESCRIPTIVE GEOLOGY		HOLE NO. 88-14

Metres	
0 - 4.5	Dk. grey-green fine grained fragmental, hornblende. 2% diss. v.f.gr. pyr, gossan on fractures.
4.5 - 5.3	Salt and pepper textured xtal tuff. Very much like diorite in 88-13 but some round frags suggested tuff. Matrix fine grained chloritic, not mafic phenos as in diorite, some brown skarn.
5.3 - 12.0	Skarnified fragment, brown and green, clay alt'd light-moderate depending on fracture intensity. Rock is limey, plus calcite veinlets.
12.0 - 13.0	Fragmental coarsening to small lapilli size. Not clear if it is primary or tectonic, fragments buff to brown, matrix green.
13.0 - 14.3	Magnetite skarn, 20% mag replacing beds and in network of veins, rock dk. green with diopside. Slightly limey.
14.3 - 26.9 @ 20.4 - 21.7	Buff-grey green mottled skarn. Original fabric largely destroyed but probably fine grained fragmental. Prehornfels, post skarn fault breccia of above fragmental.
26.9 - 33.0	Spotted porphyry, 15% black, 6-12 mm phenos. Probably pyroxene in groundmass of 20% 1x6 mm fx phenos in grey groundmass. Under 10x, groundmass is porphyritic as well, 1x .6mm laths in dark aphanitic ground. Large phenos occasionally enclose laths of fx. 2-3% med-fine gr. py in patches.
33.0 - 34.0	Skarn volcanics as above. Fault rubble.
34.0 - 37.8	Skarn volcanics, buff-grey green mottled.
37.8 - 42.5	Breccia of skarn volcanics and fault rubble. Breccia is probably tectonic.
42.5 - 43.5	Polylithic vol. bx. cemented with calcite fault bx.

Metres	
43.5 - 44.7	Banded garnet-epid-diop skarn incl rip up clast bx adjacent to and on both sides of a grey-green f.gr. unit from 44.0 - 44.5 which is probably an andesite flow.
44.7 - 45.9	F.gr. cherty diopside hnfls tr pyr.
45.9 - 47.3	Mottled garnet epid skarn.
47.3 - 50.3	Coarse px-plag porphy as at 26.9m, partly brecciated with chlorite-calcite-clay altn, carries schlieren of pink garnet but not skarned itself. Px are chloritized, plag fresh.
50.3 - 71.5	Mottled diopside - garnet hnfls becoming more epidote rich downwards. Actinolite sections 55.1 - 55.4, 63.8 - 64.1, 69.6 - 69.7, minor py in fracts and tr dissem total 0.5%, patchy chlorite-epid retrograde, ghost composition banding at 35° CA.
@ 71.5	Pale diop f.gr. hnfls with streaks of pink garnet at 30° CA has ghost plag phenos.
71.5 - 73.1	Dk. grn. actinolitic hnfls - probably andesite tuff, patchy epidote altn, calcite net veined, patchy pyr aggregates 3%, tr cpy.
73.1 - 75.0	Mottled garn-epid-diop hnfls.
75.0 - 80.8	Banded actinolite hnfls from f.gr. muddy andesitic tuffs minor thin interbeds of mottled epidote hnfls, some strong chloritic retrograde, patchy epidote, calcite veinlets, v.minor f.gr. diopside hnfls, banding at 45° - 50° CA, diss py at .5%.
80.8 - 81.3	Dk. grn mottled skarn with irreg aggregates of f.gr. po partly replacing coarse mafic phenos, dissem py asso late calcite ± chlorite retrograde tr cpy?
81.3 - 83.3	Mottled epid-diop and epid-actin hnfls.
83.3 - 83.5	Magnetite - po - actinolite skarn. Mag 10%, Po 2%.
83.5 - 83.7	F.gr. diopside hnfls.
83.7 - 84.8	Mottled epidote hnfls.
@ 84.3	20 cm healed bx w 5% pyrite cubes
@ 85.8	10 cm 8% diss po, py w tr cpy.

Metres	
84.8 - 86.8	Healed coarse fragmental(?) some ghost plag phenos, partly cherty.
86.8 - 88.8	Background grey-green chert or v.v.f.gr. diop hnfls dusted with 5-10% diss pyr tr po, minor patches of actinolith hnfls.
88.8 - 92.7	Mottle epid-garnet and epid-diop and/or actinolite hnfls top is healed bx (flow top?) base banded at 45° CA, top 20 cm 5% po aggregates.
92.7 - 104.5	Grey chert to cherty sltst 7% diss pyr and also as irreg wispy veinlets. Top part of unit 2-4 cm bands of siltstone with v. rare cherty and tuffaceous laminations - all moderately hornfelsed. Pyrite 3-5% incl some fracture pyrite.
104.5 - 117.0	Grey f.gr. tuffaceous siltst similar to above but with rare apparent ghost plag phenos or xstal lapilli(?), weak pyritic crackle bx + mod pyr dissem approx 5%, sooty looking chloritic fracts do <u>not</u> have graphite.
117.0 - 120.0 @ 120.6	Dk. grey argillaceous cherty sltst hnfls 7-8% diss pyr broken core. Calcite-qz-pyr fault bx 10 cm.
120.0 - 126.0 @ 123.0 @ 125.0	Siliceous grey crackle bx - possibly chert 10 cm f.gr. xstal tuff <u>w</u> plag xstals leading to coarse lithic bx 30 cm that looks like a fault bx. 10 cm calcite qz vn at 50° CA.
126.0 - 130.0	Massive pyritic unbanded tuffaceous sltstn or possibly a silty xtal tuff 5% f.gr. diss pyr locally up to 8%.
130.0 - 135.2	Pyritic chert grey 3% diss pyr, some silty sections.
135.2 - 137.2	F.gr. andesitic tuff/sltst(?), minor diss pyr approx 1%.
137.2 - 139.0	Pyritic grey chert, 5% pyr, weak banding at 45° CA.
139.0 - 139.5	Grey tuffaceous banded sltstn tr pyr.
139.5 - 140.5	Grey andesitic flow(?), mafic phenos 3 mm totally chloritized and pyritized, rare relict plag phenos, f.gr. andesitic groundmass, total 4% diss pyr.
140.5 - 146.0	Cherty weakly banded tuffaceous sltstn with more chert towards base.

Metres	
@ 145.7	Lost 60 cm of core.
@ 143	10 cm chert frag fault bx.
146.0 - 147.8	EOH crackle bx pyritic lapilli xstal andesite tuff w chert
	END OF HOLE 147.8 m

PROJECT: HAIDA - VITAL PACIFIC RESOURCES LTD. NTS: 92P/9

COORDINATES:	L2W / 2+75S	INCLINATION: -45° BEARING: 180°T	TOTAL DEPTH 135.0 m	p. 1 of 4
STARTED: FINISHED: LOGGED BY:	29 Oct 88 30 Oct 88 CJW	DESCRIPTIVE GEOLOGY		HOLE NO. 88-15

Metres	
	Casing to 1.8 m
1.8 - 10.4	M.gr. porph hbl-diorite intr. bx, some flow banding weak propylitic altn of plag, hbl weakly chloritized. Rare pyritic fractures.
10.4 - 12.0	Px-plag gabbro, bx frags at top contact, weakly met^{m} groundmass but phenos look fresh. Sharp lower contact -may be a v.lge. frag.
12.0 - 13.0	Hbl diorite int. bx healed.
13.0 - 14.3	Late chloritic bx crossing early hbl dior int. bx.
14.3 - 19.0	Indistinct andesitic unit may be chilled contact, flow banded(?) or tuffaceous unit(?).
19.0 - 22.0	Int. contact coarse rounded xenoliths of plag porphy in a f.gr. andesitic matrix - in places plag phenos grow across the contacts.
22.0 - 23.2	F.gr. andesite dike, rare hbl phenos at top give way to plag phenos at base.
23.2 - 24.8	Complex calc-silicate bx, v.pale grn. diop matrix, patches of andesitic material, streaks of pink garnet towards base.
@ 24.1	Streaks of po and py.
24.8 - 26.5	Px - plag m.gr. gabbro.
26.5 - 27.5	Heterolithic cht frag bx with andesite frags, basal 20 cm pyrite-chlorite crackle bx.
27.5 - 28.7	Variably calc-silicate altered px-plag porphyry gabbro.
@ 28.0	30 cm of 5 cm wide f.gr. diopside "vein".

Metres	
28.7 - 29.8	Banded grey chert frag bx - hnflsd siltstone xenolith.
29.8 - 31.6	Dark grey green actinolite hnfls from andesite tuff and wisps and stringers of pink garnet, base contact chlorite crackle bx.
31.6 - 35.0	Grey plag-px porphyritic gabbro hornfelsed, gnass variably converted to diopside, weak pyritic crackle bx plus 5% diss pyr 32-34.
35.0 - 36.5 @ 36.5	Grey sltst with angular chert rip up clasts, hnflsd, minor pyr on fracts plus approx 4% v.v.f.gr. dissem. pyr. Calcite bx vuggy.
36.5 - 39.6 @ 39.6	M.gr. pink garnet skarn 40% diopside f.gr. matrix. Calcite bx.
39.6 - 41.5	Chert frag bx in grey hnflsd sltst, 4% v.f.gr. pyr, tr po.
41.5 - 47.5	Pink garnet-diop skarn, thin green sltst hnfls at 43.4 m.
47.5 - 48.3	Chert frag sed bx in hnflsd sltstn.
48.3 - 49.3 @ 49.3	Mottled pink garnet-diop skarn. at 20° CA calcite-qz-pyrite vein 30 cm wide at contact.
49.3 - 52.0	Mottled grey green epidote actinolite hnfls with crossing py-po-chl veinlets.
52.0 - 53.0	Actinolite hnfls w central coarse pyrite vein network, patchy epidote and chlorite, veins of po rare.
53.0 - 54.1	Mottled garnet-epidote and actinolite - epidote skarn, no sulfide.
54.1 - 55.0	Actinolite hnfls w coarse pyr veins.
55.0 - 56.0	Mixed actin hnfls, garnet-epid hnfls and 20 cm of coarse px porphyry. (56.0 - 56.8 broken core)
56.0 - 63.8	Garnet diopside skarn, m.gr. mottled, ghost fragmental texture, incl weakly banded actinolite hnfls at 59.5 - 60.0., 60.9 - 61.0. Adjacent 10% qz-cal veins at 75° CA

Metres	
63.8 - 65.1	Intrusive, bx top contact w calcite vns, broken lower contact non-oriented hbl phenos 2-3 mm in white f.gr. groundmass.
65.1 - 76.0	M.gr. mottled pink garnet-diopside skarn w patchy epidote.
@ 67.0 - 67.2	Abund pale pink-carem garnet.
@ 69.2	3 cm actinolite band at 20° CA.
	From 70.0 increasing mottled patches with small black amphibole phenos may be intrusive hbl-dior component, these have 1-2% diss py ± po.
76.0 - 79.9	Mottled green act-epid hnfls, weak chl + calc crackle bx.
79.9 - 83.0	Chilled top contact at 45° CA. F.gr. hbl diorite with v. small hbl-plag phenos in v.v.f.gr. dk grn matrix. Irreg patches of plag pheno clustering, only trace pyr. At fault contact plag phenos slightly larger and more abundant.
@ 82.3	Fault gouge 30 cm washed
83.0 - 84.1	50% ga-diop mottled sk, 50% f.gr. andesite (hbl dior int).
84.1 - 89.0	Mixed int contact bx minor xenoliths of calc-silicate hnfls - some bx of hnfls frags with plag reaction rims.
	Calcite - qz - chl vein 4 cm at 30° CA at 87.9.
	Broken core starts at 88.7 m chloritic gouge zones on fractures to 91.7.
89.0 - 91.7	Sample 89-91 ends at 91.7, Sample 91-93 starts at 91.6 at end of fault.
91.7 - 106.4	F.gr. hbl diorite int bx with amorphous patches of small plag phenos. Some garnet-diop skarn xenoliths with sharp contacts - minor po, py.
	From 100.0 distinctive small plag pheno variety of hbl diorite plag fresh, unoriented.
@ 104.2 - 105.0	Broken chloritic fracts.
106.4 - 111.8	Xenolith.
@ 106.4 - 107.6	F.gr. banded andesitic tuff, rare plag xstal lapilli, 2% diss py.
@ 107.6 - 109.2	F.gr. grey slightly cherty siltstone hnfls, tr py.
@ 109.2 - 111.8	Mottled chlorite - epidote hnfls int bx at lower contacct.
@ 110.8	3 cm vuggy calcite vn.
111.8 - 123.0	M.gr. weakly plag porphyritic hbl diorite, mafic clusters look like small xenoliths. Tr dissem. pyr.
	Hbl diorite - weak chloritization of mafics.

Metres	
129 - 130.8	Intrusive bx hbl diorite with f.gr. siliceous diopside hnfls frags - frags are 75% below 130.0 m.
130.8 - 133.8	Xenolith actinolite-epidote hnfls, minor pyr veins tr. dissem po.
133.8 - 135.0	M.gr. hbl diorite int bx.
	END OF HOLE 135.0 m

PROJECT: HAIDA - VITAL PACIFIC RESOURCES LTD. NTS: 92P/9

COORDINATES:	L2E / 3+75S	INCLINATION: -45° BEARING: 180°T	TOTAL DEPTH 133.8 m	p. 1 of 3
STARTED: 30 Oct 88 FINISHED: 2 Nov 88 LOGGED BY: CJW		DESCRIPTIVE GEOLOGY		HOLE NO. 88-16

Metres	
0 - 73	Casing.
7.3 - 29.3	Broken and fractured silicified fault bx in silicified and chloritized hbl diorite(?) (plag phenocrysts). Pyrite on fractures and disseminated to approx 5%. Poor recovery in some sections of heavy chlorite-clay fault bx. Crackle bx pyr-chlorite, intensity of v.f.gr. silic varies. From 24.1 increasingly competent.
29.3 - 29.6	Silicified plag porphyry with veins of massive po and py increasing to bx of plag porph frags in po and py.
29.6 - 29.7	F.gr. massive po banded with actinolite plus coarse aggregates of f.gr. pyrite.
29.7 - 29.9	Sulphide veined healed int bx.
30.0 - 36.3	Int bx of hbl-plag diorite matrix involving variably silicified and altered plag porphyry with xenoliths of (?)diopside hnfls with abundant pyrite veining.
36.3 - 40.8	Hbl-plag diorite, top contact is gradational from silicified plag porphyry. Main section weakly chloritic. Minor small mafic xenoliths.
40.8 - 44.9 @ 44.9	Gradual loss of mafics and silic to produce a pale green plag porphyry, network of pyrite chlorite veinlets 10 cm fault bx.
45.0 - 46.5	V.f.gr. pale grey siliceous unit with approx 5% f.gr. diss pyrite increasing to 8% adjacent to qz-calcite veins at 45.3 and 45.4.
46.5 - 49.0	Silicified healed crackle bx in altered plag porphyry pyrite veins and veinlets, @ 48.5 splash of cpy in late qz-calc vein.

Metres	
49.0 - 50.0	Grey chlorite clay fault gouge.
50.0 - 63.0	Variably silicified, pyritized and pale green alteration in a hbl diorite intrusive bx which is healed, some clay alt patches.
@ 55.0 - 55.5	is fairly clear hbl diorite, then increasing pale green soft clay alteration.
	Mafic hbl porphyries at 58.8 - 59.0, 60.4 - 60.8, 61.0 - 61.2.
	Hornblende diorite intrusive.
63.0 - 65.2	Finer grained more felsic unit andesitic texture.
65.2 - 65.8	Chloritic alteration zone in mafic hbl diorite.
65.8 - 73.1	Equigran hbl dior m.gr., pervasive clay-chlorite alteration 4% diss pyr, weak crackle bx pyr-chl veinlets.
@ 69 - 72	Hnbld phenos 3 mm gone to chlorite (?biotite).
@ 73.1	2 cm early xenolith of hbl phenos has approx 20% pyrite.
73.1 - 74.8	Fresh equigranular hbl. diorite
74.8 - 76.2	Increasing chloritic altn to broken zone of calcite and pyrite.
76.2 - 78.3	Fractured weakly chloritized hbl diorite.
78.3 - 79.8	10 cm fault bx followed by f.gr. mafic hbl diorite, strongly pyritized to 79.5 m where is (79.3 - 79.8) 50 cm of qz-calcite-chlorite-pyrite vein
79.8 - 84.6	F.gr. hbl diorite with angular bx texture looks like a healed intrusive bx 2-4% pyrite disseminated.
@ 83.1	20 cm pyritized, chlorite-calcite veining adjacent fault bx.
84.6 - 86.1	10 cm bx of felsic f.gr pale green frags in black hbl dior matrix followed by pale green "siliceous" unit with ghost plag phenos ended by 10 cm of bx as at top contact. V.minor dissem pyr except in basal 10 cm = 4%.
	Structures here are dominantly subparallel to CA
86.1 - 86.3	F.gr. hbl diorite
86.3 - 88.3	F.gr. siliceous altered plag porphy with rare ghost hbl phenos
@ 86.5 - 86.7	Int bx as at 84.6

APPENDIX 5

GEOCHEMICAL & ASSAY RESULTS

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

: TERRANE RESOURCE MANAGEMENT INC.
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

A8824799

Comments: ATTN: C J. WESTERMAN

CERTIFICATE A8824799

TERRANE RESOURCE MANAGEMENT INC.
PROJECT : HAIDA 8803
P.O.# : NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 13-OCT-88.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
208	21	Assay: Crush,split,ring

• NOTE 1:

Code 1000 is used for repeat gold analyses It shows typical sample variability due to coarse gold effects. Each value is correct for its particular subsample.

• NOTE 2:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
398	21	Au oz/T: 1/2 assay ton	FA-AAS	0.002	20.00

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

To: TERRANE RESOURCE MANAGEMENT INC.

1010 - 470 GRANVILLE ST.
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V6V 1V5

A8825859

Comments: ATTN: C J. WESTERMEN CC: VITAL PACIFIC RES. LTD

CERTIFICATE A8825859

TERRANE RESOURCE MANAGEMENT INC.
PROJECT : HAIDA 8803
P.O.# : NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 26-OCT-88.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	28	Rock Geochem: Crush,split,ring
238	28	ICP: Aqua regia digestion

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	28	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
921	28	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
922	28	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
923	28	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	28	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	28	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	28	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	28	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	28	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	28	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	28	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	28	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	28	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	28	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
951	28	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	28	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	28	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	28	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	28	Mn ppm: 32 element, soil & rock	ICP-AES	1	10000
938	28	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	28	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	28	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	28	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	28	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	28	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
958	28	Sc ppm: 32 elements, soil & rock	ICP-AES	1	100000
944	28	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	28	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	28	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	28	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	28	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	28	W ppm: 32 element, soil & rock	ICP-AES	5	10000
950	28	Zn ppm: 32 element, soil & rock	ICP-AES	5	10000

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

TERRA RESOURCE MANAGEMENT INC.
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : HAIDA 8803
Comments: ATTN: C. J. WESTERMAN

Page 1
Tot. Pages: 1
Date : 13-OCT-88
Invoice # : I-8824799
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8824799

SAMPLE DESCRIPTION	PREP CODE		Au oz/T
88-5 18.0-20.0M	208	--	0.030
88-5 34.0-35.0M	208	--	0.028
88-5 35.0-36.3M	208	--	0.016
88-5 36.3-37.4M	208	--	0.024
88-5 51.4-52.6M	208	--	0.044
88-8 16-17A	208	--	0.204
88-8 16-17B	208	--	0.098
88-8 18-19	208	--	0.040
88-9 20.2-20.6M	208	--	0.016
88-9 20.6-22.0M	208	--	0.006
88-9 22.0-23.0M	208	--	0.004
88-9 23.0-25.0M	208	--	0.010
88-9 25.0-27.0M	208	--	0.016
88-9 27.0-29.0M	208	--	0.004
88-9 29.0-31.0M	208	--	0.014
88-9 31.0-33.0M	208	--	0.002
88-9 33-35M	208	--	0.216
88-9 35-37M	208	--	0.184
88-9 37-39M	208	--	0.004
88-9 69-71M	208	--	0.018
88-9 85-87M	208	--	0.062

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CERTIFICATION : B. Grantes

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PHONE (604) 984-0221

ERR/... RESC... MAI...MENT ...

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : HAIDA 8803
Comments: ATTN: C J WESTERMAN

Page ...
Tot. Pages: 1
Date : 13-OCT-88
Invoice # : I-8824802
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8824802

SAMPLE DESCRIPTION	PREP CODE		Au oz/T
88-9 25.0-25.3	208	--	0.016
88-9 25.3-25.4	208	--	0.006
88-9 25.4-25.6	208	--	0.030
88-9 25.6-25.8	208	--	0.014
88-9 25.8-25.9	208	--	0.006
88-9 25.9-26.0	208	--	0.002
88-9 26.0-26.2	208	--	0.016
88-9 26.2-26.4	208	--	0.002
88-9 26.4-26.6	208	--	0.002
88-9 26.6-26.8	208	--	0.004
88-9 26.8-27.0	208	--	0.014
88-9 27.0-27.1	208	--	0.008
88-9 27.1-27.4	208	--	0.006
88-9 27.4-27.8	208	--	0.004
88-9 32.6-33.0	208	--	0.006
88-9 33.0-33.2	208	--	0.006
88-9 33.2-33.4	208	--	0.004
88-9 33.4-33.6	208	--	0.038
88-9 33.6-33.8	208	--	0.014
88-9 33.8-34.0	208	--	0.110
88-9 34.0-34.3	208	--	0.098
88-9 34.3-34.5	208	--	0.756
88-9 34.5-34.7	208	--	0.036
88-9 34.7-34.9	208	--	0.014
88-9 34.9-35.15	208	--	0.056
88-9 35.15-35.3	208	--	0.345
88-9 35.3-35.7	208	--	0.082
88-9 35.7-35.9	208	--	0.276
88-9 35.9-36.1	208	--	0.388
88-9 36.1-36.3	208	--	0.360
88-9 36.4-36.6	208	--	0.010
88-9 36.6-36.8	208	--	0.008
88-9 36.8-37.0	208	--	0.010
88-9 37.0-37.2	208	--	0.004

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CERTIFICATION : B. Grunton

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PHONE (604) 984-0221

TO: TERRANE RESOURCE MANAGEMENT INC.
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : HAIDA 8803
Comments: ATTN: C. J WESTERMAN CC: VITAL PACIFIC VENTURES

Date : 6-NOV-88
Invoice # : I-8826703
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826703

SAMPLE DESCRIPTION	PREP CODE		Au oz/T
8812 111.0-112.0	214	--	0.032

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CERTIFICATION : W. Glen Brunnin

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PHONE (604) 984-0221

To: TERRANE RESOURCE MANAGEMENT INC.

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : HAIDA 8803
Comments: ATTN: C. J. WESTERMAN CC: VITAL PACIFIC RES. LTD.

Date : 24-OCT-88
Invoice # : I-8825685
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8825685

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
88-11 3.0-5.0	205	238	< 5	2.11	0.6	25	50	0.5	4	1.66	< 0.5	32	43	73	3.92	10	< 1	0.11	< 10	1.59	578
88-11 5.0-7.0	205	238	< 5	2.22	0.6	30	60	0.5	4	1.78	< 0.5	30	59	69	3.67	10	< 1	0.14	< 10	1.61	618
88-11 7.0-9.0	205	238	< 5	2.23	0.4	20	40	0.5	2	2.16	< 0.5	33	45	67	3.92	< 10	< 1	0.12	< 10	1.60	610
88-11 9.0-11.0	205	238	10	2.05	0.8	15	40	0.5	2	1.69	< 0.5	29	45	72	3.40	10	< 1	0.10	< 10	1.42	572
88-11 11.0-13.0	205	238	< 5	2.10	0.2	45	70	0.5	4	1.74	< 0.5	32	44	49	3.49	< 10	< 1	0.18	< 10	1.42	519
88-11 13.0-15.0	205	238	< 5	2.46	0.2	35	40	0.5	6	1.79	< 0.5	35	51	33	4.06	10	< 1	0.10	< 10	1.83	647
88-11 15.0-17.0	205	238	< 5	2.21	0.6	35	50	0.5	4	3.88	< 0.5	25	90	107	3.46	< 10	< 1	0.08	< 10	1.09	500
88-11 17.0-19.0	205	238	< 5	1.09	0.2	20	80	0.5	4	3.15	1.0	15	59	66	2.01	< 10	< 1	0.13	< 10	0.55	337
88-11 19.0-21.0	205	238	< 5	1.13	0.6	60	60	0.5	2	2.39	< 0.5	19	60	83	2.54	< 10	< 1	0.11	< 10	0.63	326
88-11 21.0-23.0	205	238	< 5	0.85	1.0	40	50	0.5	2	2.00	0.5	21	55	117	2.93	10	< 1	0.10	< 10	0.31	196
88-11 23.0-25.0	205	238	< 5	1.30	0.2	35	50	0.5	4	3.10	< 0.5	22	57	94	3.28	< 10	< 1	0.10	< 10	0.90	428
88-11 25.0-27.1	205	238	< 5	1.88	< 0.2	45	60	0.5	2	5.40	< 0.5	21	63	101	4.22	< 10	< 1	0.15	< 10	1.64	787
88-11 27.1-28.1	205	238	< 5	1.98	0.4	20	60	0.5	2	5.27	0.5	32	55	274	4.54	< 10	< 1	0.15	< 10	1.13	585
88-11 28.1-30.2	205	238	< 5	1.47	< 0.2	30	90	0.5	4	2.90	< 0.5	19	73	90	3.06	< 10	< 1	0.16	< 10	0.99	444
88-11 30.2-31.2	205	238	< 5	2.66	< 0.2	40	90	0.5	< 2	4.35	< 0.5	23	92	115	4.74	< 10	< 1	0.20	< 10	1.44	673
88-11 31.2-32.0	205	238	35	2.45	< 0.2	55	40	0.5	< 2	4.45	< 0.5	33	95	175	4.69	< 10	< 1	0.13	< 10	1.63	625
88-11 32.0-34.0	205	238	50	1.35	0.4	20	50	0.5	< 2	2.22	< 0.5	22	64	95	3.03	10	< 1	0.08	< 10	0.85	386
88-11 34.0-36.0	205	238	< 5	1.36	< 0.2	15	40	0.5	4	3.98	< 0.5	20	76	90	3.02	< 10	< 1	0.13	< 10	0.83	426
88-11 36.0-38.0	205	238	< 5	0.99	0.2	25	30	0.5	< 2	2.73	< 0.5	18	75	75	2.18	< 10	< 1	0.04	< 10	0.55	293
88-11 38.0-39.5	205	238	< 5	2.13	< 0.2	30	40	0.5	2	3.00	< 0.5	25	40	45	3.75	< 10	< 1	0.13	< 10	1.60	586
88-11 39.5-41.0	205	238	< 5	1.03	0.2	15	40	1.5	< 2	2.57	0.5	20	39	106	2.55	< 10	< 1	0.11	< 10	0.66	303
88-11 41.0-43.0	205	238	< 5	1.20	< 0.2	35	40	1.5	< 2	3.72	< 0.5	18	46	80	3.01	< 10	4	0.18	< 10	1.04	517
88-11 43.0-44.0	205	238	< 5	1.92	< 0.2	30	40	1.5	< 2	2.60	< 0.5	24	36	58	3.51	< 10	< 1	0.13	10	1.33	457
88-11 44.0-46.0	205	238	< 5	1.60	< 0.2	30	40	1.5	< 2	2.76	< 0.5	20	24	44	2.96	< 10	< 1	0.15	10	1.26	444
88-11 46.0-48.0	205	238	< 5	1.43	< 0.2	50	30	1.5	< 2	3.22	< 0.5	18	32	60	2.97	< 10	< 1	0.07	< 10	1.10	450
88-11 48.0-50.0	205	238	< 5	1.61	< 0.2	170	30	0.5	2	4.68	< 0.5	25	52	84	4.14	< 10	< 1	0.08	< 10	1.32	831
88-11 50.0-51.2	205	238	5	1.23	< 0.2	35	30	< 0.5	< 2	1.95	< 0.5	18	66	82	2.60	< 10	< 1	0.08	10	0.77	353
88-11 51.2-53.0	205	238	< 5	0.95	0.2	70	30	< 0.5	2	2.48	< 0.5	19	42	93	2.81	< 10	1	0.08	< 10	0.75	469
88-11 53.0-55.0	205	238	< 5	0.93	0.4	30	30	0.5	< 2	2.04	1.0	19	47	105	2.85	< 10	< 1	0.10	10	0.58	323
88-11 55.0-57.0	205	238	10	0.89	0.6	50	20	1.0	< 2	1.42	1.0	19	52	112	2.90	< 10	< 1	0.07	10	0.60	326
88-11 57.0-59.0	205	238	< 5	0.98	0.6	40	40	< 0.5	< 2	1.52	1.0	20	54	115	3.00	< 10	< 1	0.08	10	0.64	344
88-11 59.0-61.0	205	238	< 5	1.09	1.0	15	60	1.0	4	1.56	< 0.5	20	68	124	3.45	< 10	< 1	0.14	< 10	0.63	315
88-11 61.0-63.0	205	238	< 5	1.39	1.0	30	60	1.5	2	2.33	< 0.5	20	64	127	3.56	< 10	< 1	0.12	< 10	0.84	552
88-11 63.0-65.0	205	238	< 5	1.47	1.0	55	70	1.5	2	2.50	< 0.5	19	64	112	3.58	< 10	< 1	0.15	< 10	0.88	508
88-11 65.0-67.0	205	238	< 5	1.27	0.8	35	80	2.0	< 2	3.91	< 0.5	22	81	143	3.84	< 10	< 1	0.18	< 10	0.90	478
88-11 67.0-69.0	205	238	< 5	0.99	0.6	15	70	1.5	< 2	3.59	< 0.5	16	50	100	2.50	10	< 1	0.17	< 10	0.42	313
88-11 69.0-71.0	205	238	< 5	1.24	0.8	45	70	2.0	< 2	2.97	0.5	17	50	113	2.92	< 10	< 1	0.19	< 10	0.52	280
88-11 71.0-73.0	205	238	< 5	1.58	0.8	75	80	2.5	2	2.44	0.5	18	69	122	2.92	10	1	0.19	< 10	0.90	351
88-31 73.0-75.0	205	238	< 5	1.42	< 0.2	10	60	1.0	< 2	3.68	< 0.5	19	50	114	3.07	< 10	< 1	0.13	< 10	0.83	430

CERTIFICATION : B. Caglione

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212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: TERRANE RESOURCE MANAGEMENT INC.

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : HAIDA 8803
Comments: ATTN: C. J. WESTERMAN CC: VITAL PACIFIC RES LTD.

Date : 24-OCT-88
Invoice # : I-8825685
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8825685

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
88-11 3.0-5.0	205	238	< 1	0.04	18	1530	< 2	< 5	5	93	0.32	< 10	< 10	98	< 5	67
88-11 5.0-7.0	205	238	< 1	0.04	19	1400	4	5	4	100	0.31	< 10	< 10	104	5	66
88-11 7.0-9.0	205	238	< 1	0.04	17	1670	6	5	4	127	0.32	< 10	< 10	103	< 5	77
88-11 9.0-11.0	205	238	< 1	0.04	15	1450	< 2	5	3	98	0.32	< 10	< 10	91	5	63
88-11 11.0-13.0	205	238	< 1	0.04	18	1620	< 2	5	5	152	0.32	< 10	< 10	94	< 5	73
88-11 13.0-15.0	205	238	< 1	0.05	18	1690	12	5	5	158	0.34	< 10	< 10	109	5	70
88-11 15.0-17.0	205	238	< 1	0.05	33	1620	18	< 5	6	152	0.26	10	< 10	100	5	96
88-11 17.0-19.0	205	238	1	0.04	28	1650	36	5	3	100	0.20	< 10	< 10	60	< 5	99
88-11 19.0-21.0	205	238	< 1	0.04	33	1500	6	5	3	111	0.17	< 10	< 10	56	< 5	53
88-11 21.0-23.0	205	238	< 1	0.03	38	1570	8	< 5	3	66	0.14	10	< 10	50	< 5	73
88-11 23.0-25.0	205	238	< 1	0.03	37	1730	6	5	3	96	0.13	< 10	< 10	71	5	79
88-11 25.0-27.1	205	238	< 1	0.04	28	1470	2	< 5	5	300	0.14	< 10	< 10	96	5	73
88-11 27.1-28.1	205	238	< 1	0.02	34	1470	32	< 5	4	101	0.13	< 10	< 10	78	< 5	117
88-11 28.1-30.2	205	238	< 1	0.06	32	1520	< 2	< 5	3	153	0.20	< 10	< 10	77	< 5	59
88-11 30.2-31.2	205	238	< 1	0.03	32	1800	6	< 5	8	82	0.21	10	< 10	117	< 5	140
88-11 31.2-32.0	205	238	< 1	0.05	41	2150	10	5	6	195	0.32	10	< 10	100	< 5	97
88-11 32.0-34.0	205	238	1	0.08	30	1680	4	< 5	3	109	0.27	10	< 10	74	< 5	54
88-11 34.0-36.0	205	238	< 1	0.05	34	1500	< 2	5	4	110	0.22	< 10	< 10	66	< 5	59
88-11 36.0-38.0	205	238	< 1	0.06	37	1610	< 2	< 5	3	114	0.21	10	< 10	61	< 5	50
88-11 38.0-39.5	205	238	< 1	0.04	15	1690	< 2	< 5	4	128	0.27	< 10	< 10	90	< 5	88
88-11 39.5-41.0	205	238	< 1	0.04	20	1610	6	< 5	2	91	0.14	< 10	< 10	52	< 5	71
88-11 41.0-43.0	205	238	< 1	0.02	18	1610	< 2	< 5	6	59	0.17	< 10	< 10	66	< 5	64
88-11 43.0-44.0	205	238	< 1	0.03	10	1650	6	< 5	3	98	0.27	< 10	< 10	79	< 5	63
88-11 44.0-46.0	205	238	< 1	0.03	10	1640	10	< 5	2	88	0.17	< 10	< 10	62	< 5	62
88-11 46.0-48.0	205	238	< 1	0.03	17	1930	6	< 5	2	116	0.16	< 10	< 10	52	< 5	91
88-11 48.0-50.0	205	238	< 1	0.03	23	1600	14	< 5	5	103	0.17	< 10	< 10	94	< 5	99
88-11 50.0-51.2	205	238	< 1	0.04	30	1550	6	< 5	2	99	0.18	< 10	< 10	57	< 5	66
88-11 51.2-53.0	205	238	< 1	0.03	29	1610	16	< 5	2	69	0.11	< 10	< 10	50	< 5	89
88-11 53.0-55.0	205	238	1	0.03	33	1780	34	< 5	2	57	0.12	< 10	< 10	48	< 5	115
88-11 55.0-57.0	205	238	1	0.03	39	1670	16	< 5	2	53	0.11	< 10	< 10	41	< 5	105
88-11 57.0-59.0	205	238	2	0.04	42	1740	18	< 5	2	60	0.12	< 10	< 10	45	< 5	108
88-11 59.0-61.0	205	238	< 1	0.04	44	1530	12	5	3	100	0.21	< 10	< 10	52	< 5	74
88-11 61.0-63.0	205	238	< 1	0.02	43	1610	6	< 5	4	110	0.21	10	< 10	66	< 5	90
88-11 63.0-65.0	205	238	< 1	0.03	42	1610	18	< 5	4	118	0.23	20	< 10	68	< 5	104
88-11 65.0-67.0	205	238	< 1	0.04	46	1580	22	5	4	166	0.21	20	< 10	67	< 5	106
88-11 67.0-69.0	205	238	< 1	0.05	31	1500	10	< 5	3	193	0.21	20	< 10	48	< 5	72
88-11 69.0-71.0	205	238	1	0.05	32	1650	16	< 5	3	138	0.23	< 10	< 10	55	< 5	87
88-11 71.0-73.0	205	238	< 1	0.05	40	1550	6	< 5	4	147	0.23	10	< 10	71	5	97
88-31 73.0-75.0	205	238	< 1	0.03	36	1470	6	< 5	3	124	0.18	10	< 10	55	< 5	61

CERTIFICATION : B. Caglione

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

...ERR... RESC... MA...MENT ...

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : HAIDA 8803
Comments: ATTN: C. J. WESTERMEN CC: VITAL PACIFIC RES. LTD.

Date : 26-OCT-88
Invoice # : I-8825859
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8825859

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
8811 75.0-77.0	205	238	5	1.56	0.4	25	130	0.5	< 2	2.60	< 0.5	28	70	112	3.69	< 10	< 1	0.29	< 10	0.84	491
8811 77.0-79.0	205	238	< 5	1.68	0.6	40	130	0.5	< 2	2.98	< 0.5	23	106	110	3.40	< 10	< 1	0.22	< 10	0.74	413
8811 79.0-81.0	205	238	< 5	1.51	0.4	35	90	0.5	< 2	1.85	< 0.5	27	67	87	3.69	< 10	< 1	0.23	10	0.84	469
8811 81.0-83.0	205	238	< 5	2.06	0.2	10	70	1.0	< 2	2.26	< 0.5	34	32	85	4.83	< 10	< 1	0.21	10	1.40	743
8811 83.0-85.0	205	238	< 5	2.24	0.2	20	90	0.5	2	2.74	< 0.5	38	30	65	5.14	< 10	< 1	0.26	< 10	1.46	790
8811 85.0-87.0	205	238	< 5	2.38	< 0.2	15	110	1.0	2	2.17	< 0.5	36	22	50	5.01	< 10	< 1	0.24	10	1.62	822
8811 87.0-89.0	205	238	< 5	1.97	0.2	35	140	0.5	< 2	2.44	< 0.5	31	36	80	4.30	< 10	< 1	0.32	< 10	1.11	611
8811 89.0-91.0	205	238	15	2.56	< 0.2	20	70	1.0	< 2	3.62	< 0.5	36	27	38	5.19	< 10	< 1	0.20	< 10	2.01	1020
8811 91.0-93.0	205	238	< 5	2.63	< 0.2	30	60	1.0	2	3.15	< 0.5	36	31	23	4.90	< 10	2	0.16	< 10	1.90	971
8811 93.0-95.0	205	238	10	2.92	< 0.2	35	150	1.5	2	2.48	< 0.5	37	31	31	5.15	< 10	< 1	0.39	< 10	1.84	962
8811 95.0-97.0	205	238	< 5	2.53	< 0.2	35	170	0.5	< 2	2.76	< 0.5	30	66	63	4.30	< 10	< 1	0.32	< 10	1.45	694
8811 97.0-99.0	205	238	< 5	1.53	0.2	30	120	0.5	< 2	2.90	< 0.5	19	70	93	3.32	< 10	1	0.28	< 10	0.40	259
8811 99.0-101.0	205	238	< 5	1.70	0.6	< 5	140	1.0	< 2	4.00	1.0	27	49	147	3.93	< 10	1	0.39	< 10	0.58	486
8811 101.0-103.	205	238	< 5	1.20	1.0	15	150	< 0.5	< 2	1.74	< 0.5	20	47	82	3.03	< 10	< 1	0.44	10	0.35	182
8811 103.0-104.	205	238	< 5	1.73	0.8	10	90	< 0.5	2	3.53	< 0.5	19	56	80	3.63	< 10	< 1	0.28	< 10	0.80	483
8811 104.6-106.	205	238	< 5	3.11	< 0.2	65	80	< 0.5	4	6.87	1.0	29	59	43	5.13	< 10	< 1	0.25	< 10	2.28	1570
8811 106.1-108.	205	238	30	2.83	0.2	45	50	< 0.5	4	4.76	< 0.5	39	44	57	5.63	< 10	< 1	0.16	< 10	2.29	1055
8811 108.0-110.	205	238	< 5	2.56	0.4	20	30	< 0.5	4	2.63	< 0.5	34	49	55	4.33	< 10	< 1	0.10	< 10	1.88	708
8811 110.0-112.	205	238	< 5	2.93	1.0	15	70	< 0.5	4	3.21	< 0.5	34	59	65	4.19	< 10	< 1	0.20	< 10	1.95	748
8811 112.0-114.	205	238	20	2.71	0.8	30	70	< 0.5	4	3.03	< 0.5	35	57	67	4.13	< 10	< 1	0.23	< 10	1.94	654
8811 114.0-116.	205	238	< 5	3.07	0.4	20	70	< 0.5	< 2	3.77	< 0.5	37	49	59	4.81	< 10	< 1	0.19	< 10	2.30	994
8811 116.0-117.	205	238	< 5	2.76	0.2	20	60	< 0.5	< 2	3.31	0.5	31	35	59	4.77	< 10	< 1	0.18	< 10	2.04	1145
8811 117.5-119.	205	238	< 5	3.41	< 0.2	35	70	< 0.5	< 2	2.77	2.5	37	38	73	6.01	< 10	< 1	0.22	< 10	2.51	1460
8811 119.0-120.	205	238	< 5	3.08	< 0.2	55	40	< 0.5	< 2	3.04	< 0.5	30	37	59	5.22	< 10	< 1	0.13	< 10	2.34	1230
8811 120.5-122.	205	238	< 5	2.43	0.4	20	70	< 0.5	< 2	2.58	< 0.5	31	39	87	4.05	< 10	< 1	0.20	< 10	1.62	705
88WR - 81	205	238	10	2.24	0.2	15	80	< 0.5	< 2	1.53	< 0.5	36	41	153	4.12	< 10	< 1	0.30	10	1.40	442
88WR - 82	205	238	< 5	0.06	0.2	< 5	< 10	< 0.5	< 2	0.04	< 0.5	4	324	7	0.40	< 10	1	< 0.01	< 10	0.02	64
88WR - 83	205	238	70	2.34	1.2	70	70	< 0.5	< 2	8.93	< 0.5	60	117	1195	9.83	< 10	< 1	0.07	< 10	0.59	1725

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: TERRANE RESOURCE MANAGEMENT INC.
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Page No. : 1
Tot. Pages: 1
Date : 26-OCT-88
Invoice # : I-8825859
P.O. # : NONE

Project : HAIDA 8803
Comments: ATTN: C. J. WESTERMEN CC: VITAL PACIFIC RES. LTD.

CERTIFICATE OF ANALYSIS A8825859

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
8811 75.0-77.0	205	238	1	0.10	29	1630	4	< 5	5	118	0.28	< 10	< 10	75	< 5	51
8811 77.0-79.0	205	238	5	0.24	55	1840	4	5	4	148	0.24	< 10	< 10	84	< 5	57
8811 79.0-81.0	205	238	< 1	0.07	29	1610	< 2	< 5	3	113	0.27	< 10	< 10	72	< 5	52
8811 81.0-83.0	205	238	< 1	0.06	14	1550	< 2	< 5	4	105	0.31	< 10	< 10	95	< 5	64
8811 83.0-85.0	205	238	< 1	0.06	5	1580	2	< 5	4	116	0.36	< 10	< 10	103	< 5	75
8811 85.0-87.0	205	238	< 1	0.14	6	1490	2	< 5	4	114	0.33	< 10	< 10	107	< 5	68
8811 87.0-89.0	205	238	< 1	0.19	14	1600	< 2	< 5	4	101	0.26	< 10	< 10	84	5	56
8811 89.0-91.0	205	238	< 1	0.06	7	1500	< 2	< 5	4	129	0.28	< 10	< 10	113	5	85
8811 91.0-93.0	205	238	< 1	0.10	6	1450	< 2	< 5	4	123	0.31	< 10	< 10	103	10	82
8811 93.0-95.0	205	238	< 1	0.20	6	1550	6	< 5	6	157	0.36	< 10	< 10	118	< 5	85
8811 95.0-97.0	205	238	1	0.19	25	1400	< 2	< 5	5	147	0.31	< 10	< 10	94	5	79
8811 97.0-99.0	205	238	1	0.19	35	1480	6	5	3	116	0.23	< 10	< 10	55	< 5	66
8811 99.0-101.0	205	238	< 1	0.15	34	1580	28	< 5	3	112	0.19	10	< 10	56	5	124
8811 101.0-103.	205	238	< 1	0.20	28	1430	6	< 5	3	98	0.21	< 10	< 10	48	5	54
8811 103.0-104.	205	238	< 1	0.14	30	1470	18	< 5	3	91	0.20	< 10	< 10	64	5	77
8811 104.6-106.	205	238	< 1	0.05	17	1420	2	5	6	271	0.27	< 10	< 10	89	15	203
8811 106.1-108.	205	238	< 1	0.06	13	1630	< 2	5	9	170	0.37	< 10	< 10	152	10	91
8811 108.0-110.	205	238	< 1	0.05	15	1530	< 2	< 5	5	139	0.38	< 10	< 10	121	5	66
8811 110.0-112.	205	238	< 1	0.13	20	1540	10	5	7	188	0.37	< 10	< 10	121	5	84
8811 112.0-114.	205	238	< 1	0.12	20	1560	2	< 5	6	165	0.36	< 10	< 10	124	< 5	59
8811 114.0-116.	205	238	< 1	0.09	18	1610	< 2	5	5	211	0.28	< 10	< 10	124	10	78
8811 116.0-117.	205	238	< 1	0.06	12	1700	78	5	5	231	0.27	< 10	< 10	113	10	190
8811 117.5-119.	205	238	< 1	0.11	11	1710	14	< 5	6	178	0.27	< 10	< 10	127	10	547
8811 119.0-120.	205	238	< 1	0.06	11	1750	20	5	6	162	0.28	< 10	< 10	126	10	161
8811 120.5-122.	205	238	< 1	0.13	13	1720	8	< 5	4	159	0.28	< 10	< 10	98	5	73
88WR - 81	205	238	< 1	0.18	13	1600	4	< 5	5	99	0.32	< 10	< 10	126	< 5	58
88WR - 82	205	238	1	0.01	4	30	4	< 5	< 1	3	< 0.01	< 10	< 10	3	< 5	2
88WR - 83	205	238	< 1	0.03	40	1750	< 2	5	9	61	0.15	< 10	< 10	140	25	55

CERTIFICATION : B. Caughlin

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212 BROOKSBANK AVE., NORTH VANCOUVER,
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PHONE (604) 984-0221

...ERR/... ...ESO..... MA..../ENT .....

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : HAIDA 8803
Comments: ATTN: C. J. WESTERMAN CC: VITAL PACIFIC RES. LTD.

Date : 26-OCT-88
Invoice # : I-8825916
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8825916

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
8811 104.0-106.	205	238	< 5	1.71	1.6	15	40	< 0.5	6	2.28	< 0.5	15	52	104	3.29	< 10	< 1	0.11	10	1.08	589
8811 122.0-124.	205	238	< 5	2.23	1.8	50	40	< 0.5	2	2.01	< 0.5	21	53	72	3.80	< 10	1	0.12	20	1.51	576
8811 124.0-126.	205	238	< 5	2.29	0.4	15	40	< 0.5	< 2	1.85	< 0.5	18	82	64	3.80	< 10	< 1	0.12	20	1.56	588
8811 126.0-128.	205	238	< 5	1.63	0.6	10	60	< 0.5	6	1.96	< 0.5	13	86	76	2.70	< 10	< 1	0.16	20	0.95	413
8811 128.0-130.	205	238	< 5	1.65	< 0.2	10	100	< 0.5	4	3.00	1.5	11	69	66	3.12	< 10	< 1	0.26	10	0.96	484
8811 130.0-132.	205	238	< 5	2.01	< 0.2	30	70	< 0.5	4	2.57	< 0.5	14	81	73	3.32	< 10	< 1	0.17	10	1.30	592
8811 132.0-134.	205	238	< 5	1.60	< 0.2	40	90	< 0.5	6	2.98	< 0.5	12	59	63	3.01	10	< 1	0.18	10	0.87	503
8811 136.0-138.	205	238	< 5	1.77	< 0.2	35	40	< 0.5	< 2	2.26	< 0.5	17	54	78	3.41	< 10	< 1	0.08	20	1.26	542
8811 138.0-140.	205	238	< 5	1.91	< 0.2	130	80	< 0.5	8	4.00	< 0.5	21	70	111	3.49	10	< 1	0.18	< 10	1.20	531
8811 140.0-142.	205	238	< 5	1.30	0.2	70	60	< 0.5	2	2.53	< 0.5	15	58	103	2.44	< 10	< 1	0.11	10	0.48	305
8811 142.0-144.	205	238	< 5	1.47	< 0.2	40	70	< 0.5	2	2.80	< 0.5	15	59	94	2.51	< 10	< 1	0.14	10	0.62	382
8811 144.0-146.	205	238	< 5	2.05	< 0.2	35	80	< 0.5	< 2	3.23	< 0.5	20	60	69	3.39	10	< 1	0.20	10	1.15	601
8811 146.0-148.	205	238	< 5	1.49	< 0.2	15	80	< 0.5	2	3.91	< 0.5	14	42	67	2.33	< 10	< 1	0.11	< 10	0.69	426
8811 148.0-150.	205	238	< 5	1.78	< 0.2	55	50	< 0.5	4	4.78	< 0.5	16	44	63	3.14	10	< 1	0.11	< 10	0.92	601
8811 150.0-151.	205	238	< 5	1.51	0.4	45	70	< 0.5	< 2	1.22	< 0.5	16	78	80	2.66	< 10	< 1	0.14	20	0.84	251
8811 152.6-154.	205	238	< 5	2.07	< 0.2	25	40	< 0.5	4	3.86	0.5	13	50	71	2.06	10	1	0.06	< 10	0.78	431
8811 154.0-156.	205	238	< 5	1.82	< 0.2	10	60	< 0.5	2	3.12	0.5	13	60	70	2.30	< 10	1	0.07	10	0.83	496
8811 156.0-158.	205	238	< 5	1.48	< 0.2	< 5	70	< 0.5	< 2	2.69	1.0	13	71	87	1.91	< 10	< 1	0.07	10	0.51	360
8811 158.0-160.	205	238	< 5	1.63	< 0.2	30	100	< 0.5	< 2	2.66	< 0.5	16	54	69	1.80	< 10	< 1	0.09	10	0.62	379
8811 160.0-162.	205	238	< 5	1.49	< 0.2	20	100	< 0.5	< 2	2.91	0.5	13	63	58	1.76	< 10	< 1	0.09	10	0.58	366
8811 162.0-164.	205	238	< 5	1.50	< 0.2	20	140	< 0.5	2	2.42	0.5	16	77	120	2.45	< 10	1	0.13	10	0.39	251
8811 164.0-166.	205	238	35	1.21	< 0.2	20	70	< 0.5	6	2.64	< 0.5	13	55	85	2.41	< 10	< 1	0.08	10	0.62	365
8811 166.5-168.	205	238	55	2.47	< 0.2	40	90	< 0.5	< 2	5.85	1.0	10	63	33	1.81	10	< 1	0.11	< 10	0.49	672
8811 168.0-170.	205	238	< 5	2.35	< 0.2	50	60	< 0.5	< 2	5.98	3.0	11	79	56	2.48	< 10	< 1	0.06	< 10	0.92	926
8811 170.0-172.	205	238	< 5	1.29	< 0.2	35	90	< 0.5	2	2.75	< 0.5	16	36	86	2.30	< 10	< 1	0.08	10	0.64	375

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.
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212 BROOKSBANK AVE., NORTH VANCOUVER,
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PHONE (604) 984-0221

TERRA ESO MAI ENI .
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : HAIDA 8803
Comments: ATTN: C. J WESTERMAN CC: VITAL PACIFIC RES LTD.

*Pa . :
Tot. Pages: 1
Date :26-OCT-88
Invoice # :I-8825916
P.O. # :NONE

CERTIFICATE OF ANALYSIS A8825916

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
8811 104.0-106.	205	238	< 1	0.06	13	1470	34	5	2	116	0.20	< 10	< 10	70	< 5	85
8811 122.0-124.	205	238	< 1	0.07	12	1240	36	15	4	104	0.33	< 10	< 10	92	< 5	63
8811 124.0-126.	205	238	< 1	0.07	19	1280	28	< 5	4	127	0.28	< 10	< 10	93	< 5	81
8811 126.0-128.	205	238	1	0.10	22	1180	24	< 5	3	133	0.21	< 10	< 10	68	5	73
8811 128.0-130.	205	238	1	0.11	21	1030	6	5	3	118	0.21	< 10	< 10	78	< 5	98
8811 130.0-132.	205	238	< 1	0.10	23	1170	8	< 5	4	147	0.22	< 10	< 10	93	5	87
8811 132.0-134.	205	238	< 1	0.10	16	1150	16	5	2	160	0.19	< 10	< 10	61	5	83
8811 136.0-138.	205	238	< 1	0.04	19	1380	18	< 5	3	130	0.22	< 10	< 10	78	< 5	68
8811 138.0-140.	205	238	< 1	0.07	26	1190	26	< 5	5	162	0.23	< 10	< 10	82	10	126
8811 140.0-142.	205	238	< 1	0.08	26	1140	8	< 5	2	61	0.22	< 10	< 10	49	< 5	59
8811 142.0-144.	205	238	< 1	0.06	23	1300	14	< 5	3	93	0.24	< 10	< 10	65	< 5	62
8811 144.0-146.	205	238	< 1	0.09	30	1070	10	< 5	6	100	0.24	< 10	< 10	93	< 5	63
8811 146.0-148.	205	238	< 1	0.10	13	3960	10	< 5	3	124	0.17	< 10	< 10	66	5	50
8811 148.0-150.	205	238	3	0.04	24	1740	14	5	3	100	0.17	< 10	< 10	80	< 5	77
8811 150.0-151.	205	238	7	0.06	48	840	12	< 5	2	142	0.28	< 10	< 10	67	< 5	112
8811 152.6-154.	205	238	2	0.03	32	2530	< 2	< 5	3	60	0.16	< 10	< 10	65	5	72
8811 154.0-156.	205	238	< 1	0.06	31	1520	26	< 5	3	72	0.22	< 10	< 10	67	< 5	71
8811 156.0-158.	205	238	< 1	0.06	31	1620	16	5	2	89	0.19	< 10	< 10	50	< 5	67
8811 158.0-160.	205	238	< 1	0.08	25	1430	8	< 5	2	94	0.20	< 10	< 10	52	< 5	63
8811 160.0-162.	205	238	< 1	0.06	25	1290	16	< 5	3	107	0.20	< 10	< 10	53	< 5	73
8811 162.0-164.	205	238	2	0.08	37	1220	10	5	2	87	0.23	< 10	< 10	47	5	67
8811 164.0-166.	205	238	< 1	0.04	30	1120	20	< 5	2	63	0.16	< 10	< 10	42	< 5	71
8811 166.5-168.	205	238	1	0.04	16	3620	22	5	3	53	0.13	< 10	< 10	61	< 5	121
8811 168.0-170.	205	238	< 1	0.04	27	1450	26	5	4	78	0.21	< 10	< 10	78	< 5	252
8811 170.0-172.	205	238	< 1	0.04	24	1380	16	< 5	2	97	0.18	< 10	< 10	53	< 5	58

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.

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212 BROOKSBANK AVE., NORTH VANCOUVER,
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PHONE (604) 984-0221

ERRATUM

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : HAIDA 8803
Comments: ATTN: C. J. WESTERMAN CC: VITAL PACIFIC RESOURCES

Page :
Tot. Pages: 1
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Invoice # : I-8826008
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826008

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
11 172.0-174.0	205	238	20	1.12	< 0.2	55	40	< 0.5	< 2	2.21	< 0.5	14	44	84	2.41	< 10	< 1	0.03	10	0.64	361
11 174.0-176.0	205	238	25	1.29	< 0.2	50	30	< 0.5	< 2	3.09	< 0.5	15	42	66	2.18	< 10	< 1	0.03	10	0.64	398
11 176.0-178.0	205	238	< 5	1.20	< 0.2	35	40	< 0.5	< 2	2.26	< 0.5	17	49	78	2.30	< 10	< 1	0.04	10	0.51	320
11 178.0-180.0	205	238	< 5	1.29	< 0.2	65	20	< 0.5	2	3.13	0.5	14	29	82	2.78	< 10	< 1	0.03	10	0.45	345
11 180.0-182.0	205	238	< 5	0.97	< 0.2	30	20	< 0.5	< 2	1.37	< 0.5	12	23	64	2.66	< 10	< 1	0.03	10	0.47	229
11 182.0-184.0	205	238	< 5	1.90	< 0.2	45	20	< 0.5	< 2	3.45	< 0.5	12	43	58	2.63	< 10	< 1	0.03	< 10	0.62	435
11 184.0-186.0	205	238	< 5	0.88	< 0.2	95	40	< 0.5	6	1.41	< 0.5	10	23	74	1.95	< 10	< 1	0.06	10	0.28	166
11 186.0-188.4	205	238	< 5	1.54	< 0.2	825	20	< 0.5	4	2.81	< 0.5	17	29	11	1.31	< 10	< 1	0.04	10	0.52	296
88-12 3.65-5.0	205	238	< 5	1.67	< 0.2	25	< 10	< 0.5	4	6.28	< 0.5	4	35	17	2.84	10	< 1	0.01	< 10	0.26	1345
88-12 5.0-6.0	205	238	< 5	2.16	< 0.2	40	10	< 0.5	< 2	7.44	< 0.5	8	75	45	3.68	10	< 1	0.01	< 10	0.38	1635
88-12 6.0-7.0	205	238	< 5	2.02	< 0.2	50	< 10	< 0.5	< 2	9.34	< 0.5	3	70	42	3.85	10	< 1	< 0.01	< 10	0.25	1420
88-12 7.0-8.0	205	238	< 5	1.85	< 0.2	10	< 10	< 0.5	2	6.34	< 0.5	< 1	51	9	2.90	10	< 1	< 0.01	< 10	0.41	1235

CERTIFICATION : B. Caplin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

TERRA RESOURCE MANAGEMENT

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : HAIDA 8803
Comments: ATTN: C. J. WESTERMAN CC: VITAL PACIFIC RESOURCES

Page : 1
Tot. Pages: 1
Date : 26-OCT-88
Invoice # : I-8826008
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826008

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
11 172.0-174.0	205	238	< 1	0.03	26	1400	120	5	3	73	0.17	< 10	< 10	58	< 5	73
11 174.0-176.0	205	238	< 1	0.02	21	1030	48	< 5	2	75	0.14	< 10	< 10	50	< 5	62
11 176.0-178.0	205	238	1	0.03	27	1230	8	5	2	74	0.17	< 10	< 10	52	< 5	56
11 178.0-180.0	205	238	15	0.03	21	1430	26	< 5	2	64	0.17	< 10	< 10	53	< 5	123
11 180.0-182.0	205	238	< 1	0.03	7	1030	24	< 5	1	53	0.13	< 10	< 10	36	< 5	43
11 182.0-184.0	205	238	2	0.03	17	2070	22	< 5	2	62	0.16	< 10	< 10	56	< 5	109
11 184.0-186.0	205	238	2	0.03	12	1160	14	< 5	1	39	0.13	< 10	< 10	31	< 5	38
11 186.0-188.4	205	238	1	0.03	13	1150	28	< 5	2	67	0.11	< 10	< 10	40	< 5	162
88-12 3.65-5.0	205	238	< 1	0.01	4	1230	4	< 5	2	16	0.06	< 10	< 10	79	5	42
88-12 5.0-6.0	205	238	< 1	0.02	9	2300	14	< 5	6	13	0.09	< 10	< 10	110	< 5	42
88-12 6.0-7.0	205	238	< 1	0.01	3	1620	16	5	2	17	0.05	< 10	< 10	57	5	37
88-12 7.0-8.0	205	238	< 1	0.01	1	1050	20	< 5	2	16	0.04	< 10	< 10	43	5	53

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 : TERRANE RESOURCE MANAGEMENT INC.

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : HAIDA 8803
Comments: ATTN: C.J. WESTERMAN CC: VITAL PACIFIC RES.

Date : 30-OCT-88
Invoice # : I-8826056
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826056

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
88-12 8.0-9.0	205	238	< 5	2.51	0.2	35	< 10	< 0.5	< 2	10.20	< 0.5	9	92	5	3.70	< 10	< 1	0.01	< 10	0.60	1835
88-12 9.0-9.84	205	238	20	2.36	0.4	75	< 10	< 0.5	< 2	13.80	< 0.5	26	101	128	6.19	< 10	< 1	< 0.01	< 10	0.32	2080
88-12 9.84-11.0	205	238	45	0.96	0.2	40	30	< 0.5	< 2	4.00	< 0.5	41	39	226	>15.00	< 10	< 1	0.06	< 10	0.32	1420
88-12 11.0-12.0	205	238	30	2.07	0.6	160	50	< 0.5	< 2	8.20	< 0.5	143	58	1680	>15.00	< 10	< 1	0.07	< 10	0.61	1690
88-12 12.0-13.0	205	238	50	1.79	0.8	150	50	< 0.5	< 2	7.18	< 0.5	168	48	2250	>15.00	< 10	< 1	0.08	< 10	0.62	1450
88-12 13.0-14.0	205	238	30	1.71	0.6	140	40	< 0.5	4	8.23	< 0.5	196	60	1810	>15.00	< 10	< 1	0.06	< 10	0.49	1355
88-12 14.0-15.0	205	238	20	1.58	0.8	105	30	< 0.5	< 2	5.90	0.5	184	41	2240	>15.00	< 10	< 1	0.05	< 10	0.57	984
88-12 15.0-16.0	205	238	15	1.16	0.6	110	10	< 0.5	< 2	6.56	< 0.5	143	36	678	>15.00	< 10	< 1	0.03	< 10	0.31	1145
88-12 16.0-17.0	205	238	35	1.42	0.6	110	20	< 0.5	< 2	9.26	< 0.5	168	44	734	>15.00	< 10	< 1	0.04	< 10	0.44	1460
88-12 17.0-18.0	205	238	75	1.42	0.6	110	10	< 0.5	2	13.70	< 0.5	205	75	1305	>15.00	< 10	< 1	0.02	< 10	0.24	2010
88-12 18.0-19.0	205	238	30	1.77	0.6	140	30	< 0.5	< 2	11.20	< 0.5	148	69	1290	14.65	< 10	< 1	0.06	< 10	0.40	1730
88-12 19.0-20.0	205	238	15	1.38	0.6	75	10	< 0.5	< 2	10.75	< 0.5	128	96	1365	>15.00	< 10	< 1	0.02	< 10	0.24	1655
88-12 20.0-21.0	205	238	70	1.27	0.8	100	30	< 0.5	< 2	14.25	< 0.5	182	117	1005	>15.00	< 10	< 1	0.03	< 10	0.15	1985
88-12 21.0-22.0	205	238	20	1.64	1.2	100	10	< 0.5	< 2	13.90	0.5	197	106	3420	>15.00	< 10	< 1	0.01	< 10	0.24	1985
88-12 22.0-23.0	205	238	15	1.02	0.8	205	< 10	< 0.5	< 2	6.71	< 0.5	208	48	2060	>15.00	< 10	< 1	0.02	< 10	0.34	829
88-12 23.0-24.0	205	238	110	0.85	1.2	90	< 10	< 0.5	< 2	6.51	< 0.5	215	63	1710	>15.00	< 10	< 1	0.01	< 10	0.32	868
88-12 24.0-25.0	205	238	120	0.72	1.2	95	< 10	< 0.5	< 2	6.47	0.5	267	45	3070	>15.00	< 10	< 1	< 0.01	< 10	0.23	870
88-12 25.0-26.0	205	238	50	1.00	1.2	120	10	< 0.5	< 2	6.85	< 0.5	218	55	3310	>15.00	< 10	< 1	0.02	< 10	0.37	1045
88-12 26.0-27.0	205	238	140	1.07	1.2	145	< 10	< 0.5	< 2	8.71	< 0.5	230	70	2470	>15.00	< 10	< 1	< 0.01	< 10	0.27	1235
88-12 27.0-28.0	205	238	120	1.12	0.8	145	30	< 0.5	< 2	>15.00	< 0.5	129	95	1435	>15.00	< 10	< 1	0.04	< 10	0.38	1925
88-12 28.0-29.0	205	238	50	1.30	1.2	170	10	< 0.5	< 2	12.85	< 0.5	183	96	1965	14.85	< 10	< 1	0.02	< 10	0.23	1880
88-12 29.0-30.0	205	238	35	1.14	1.0	90	< 10	< 0.5	< 2	11.55	< 0.5	119	72	858	12.05	< 10	< 1	0.01	< 10	0.21	1715
88-12 30.0-31.0	205	238	15	1.43	1.0	70	< 10	< 0.5	< 2	12.35	< 0.5	160	105	993	12.60	< 10	< 1	< 0.01	< 10	0.26	1985
88-12 31.0-32.0	205	238	< 5	1.50	1.2	120	10	< 0.5	< 2	14.15	< 0.5	157	131	920	11.10	< 10	< 1	0.01	< 10	0.44	2200
88-12 32.0-33.0	205	238	930	1.02	1.0	70	< 10	< 0.5	< 2	10.30	< 0.5	107	46	1020	14.90	< 10	< 1	0.01	< 10	0.23	1570
88-12 33.0-34.0	205	238	25	1.46	1.0	80	< 10	< 0.5	< 2	13.95	< 0.5	133	72	855	12.45	< 10	< 1	< 0.01	< 10	0.25	2140
88-12 34.0-35.0	205	238	130	1.05	1.0	70	< 10	< 0.5	< 2	10.30	< 0.5	135	40	1230	14.00	< 10	< 1	< 0.01	< 10	0.22	1530
88-12 35.0-36.0	205	238	220	1.28	1.4	60	< 10	< 0.5	< 2	9.92	< 0.5	320	73	2300	>15.00	< 10	< 1	0.01	< 10	0.19	1700
88-12 36.0-37.0	205	238	55	1.52	1.0	30	120	< 0.5	< 2	13.80	< 0.5	145	96	687	14.45	< 10	< 1	0.52	< 10	0.79	2330
88-12 37.0-38.0	205	238	15	2.95	1.2	135	10	< 0.5	< 2	>15.00	< 0.5	189	118	857	8.58	< 10	< 1	< 0.01	< 10	0.81	2280
88-12 38.0-39.0	205	238	15	2.85	1.0	80	< 10	< 0.5	< 2	14.80	< 0.5	111	111	677	10.10	< 10	< 1	< 0.01	< 10	0.52	2320
88-12 39.0-40.0	205	238	20	2.96	1.0	50	20	< 0.5	< 2	14.25	< 0.5	67	134	573	7.95	< 10	< 1	0.02	< 10	0.53	2270

CERTIFICATION : B. Caughlin

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212 BROOKSBANK AVE., NORTH VANCOUVER, BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: TERRANE RESOURCE MANAGEMENT INC.

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : HAIDA 8803
Comments: ATTN: C.J. WESTERMAN CC: VITAL PACIFIC RES

Date : 30-OCT-88
Invoice # : I-8826056
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826056

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
88-12 8.0-9.0	205	238	< 1	0.02	11	1310	10	5	4	26	0.05	< 10	< 10	52	20	45
88-12 9.0-9.84	205	238	< 1	0.01	17	3090	< 2	5	5	16	0.04	< 10	10	81	35	29
88-12 9.84-11.0	205	238	< 1	0.02	46	3840	< 2	10	3	27	0.02	10	20	53	—	212
88-12 11.0-12.0	205	238	< 1	0.02	98	6980	< 2	10	6	68	0.08	10	10	203	—	95
88-12 12.0-13.0	205	238	< 1	0.02	125	8090	< 2	5	4	58	0.06	10	10	169	—	108
88-12 13.0-14.0	205	238	< 1	0.02	179	6070	< 2	15	5	68	0.06	10	20	207	—	97
88-12 14.0-15.0	205	238	< 1	0.02	192	5820	< 2	15	4	72	0.06	20	20	239	—	109
88-12 15.0-16.0	205	238	< 1	0.02	143	5150	< 2	15	5	28	0.08	10	10	284	—	76
88-12 16.0-17.0	205	238	57	0.02	105	4770	< 2	10	5	28	0.06	10	20	169	—	79
88-12 17.0-18.0	205	238	< 1	0.02	143	3420	< 2	5	5	25	0.06	10	20	188	—	62
88-12 18.0-19.0	205	238	< 1	0.02	144	7390	< 2	< 5	5	55	0.06	< 10	< 10	152	—	67
88-12 19.0-20.0	205	238	< 1	0.02	163	4290	< 2	10	4	34	0.07	< 10	< 10	190	—	74
88-12 20.0-21.0	205	238	< 1	0.01	240	4760	< 2	10	5	48	0.04	< 10	< 10	145	—	59
88-12 21.0-22.0	205	238	< 1	0.02	267	7440	< 2	10	6	39	0.08	< 10	10	168	—	108
88-12 22.0-23.0	205	238	< 1	0.02	292	>10000	< 2	10	3	42	0.05	< 10	< 10	168	—	90
88-12 23.0-24.0	205	238	< 1	0.02	223	5860	< 2	10	3	31	0.06	< 10	< 10	178	—	73
88-12 24.0-25.0	205	238	< 1	0.01	344	4810	< 2	5	3	24	0.04	< 10	10	152	—	108
88-12 25.0-26.0	205	238	< 1	0.02	274	6760	< 2	10	4	29	0.07	< 10	< 10	249	—	104
88-12 26.0-27.0	205	238	< 1	0.01	321	6500	< 2	10	4	28	0.06	< 10	< 10	206	—	94
88-12 27.0-28.0	205	238	< 1	0.01	153	4560	< 2	5	4	49	0.05	< 10	10	151	—	65
88-12 28.0-29.0	205	238	< 1	0.01	268	6050	< 2	5	5	34	0.05	< 10	< 10	181	50	65
88-12 29.0-30.0	205	238	< 1	0.01	198	5060	< 2	5	4	29	0.05	< 10	10	193	30	43
88-12 30.0-31.0	205	238	23	0.01	240	3350	< 2	5	5	34	0.07	< 10	< 10	186	30	54
88-12 31.0-32.0	205	238	14	0.02	194	3000	< 2	5	6	30	0.07	< 10	10	139	30	60
88-12 32.0-33.0	205	238	< 1	0.01	210	3530	< 2	5	4	22	0.05	< 10	< 10	185	45	63
88-12 33.0-34.0	205	238	< 1	0.01	208	3170	< 2	5	4	23	0.06	< 10	< 10	192	35	59
88-12 34.0-35.0	205	238	< 1	0.01	248	3120	< 2	5	4	23	0.04	< 10	< 10	150	40	62
88-12 35.0-36.0	205	238	< 1	0.01	425	2600	< 2	10	5	16	0.07	10	10	211	65	107
88-12 36.0-37.0	205	238	< 1	0.05	239	3330	< 2	5	4	99	0.08	< 10	< 10	173	40	58
88-12 37.0-38.0	205	238	< 1	0.02	84	7470	< 2	5	11	56	0.12	< 10	< 10	141	10	85
88-12 38.0-39.0	205	238	< 1	0.01	192	3380	< 2	5	11	21	0.11	< 10	< 10	135	20	59
88-12 39.0-40.0	205	238	< 1	0.02	108	2100	< 2	5	11	24	0.09	< 10	< 10	123	< 5	51

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: TERRANE RESOURCE MANAGEMENT INC.

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : HAIDA 8803
Comments: ATTN: C.J. WESTERMAN CC: VITAL PACIFIC RESOURCES

Date : 2-NOV-88
Invoice # : I-8826151
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826151

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
88-12 40.0-41.0	205	238	< 5	3.53	< 0.2	75	< 10	< 0.5	< 2	14.65	< 0.5	29	165	230	7.61	< 10	< 1	< 0.01	< 10	0.45	2610
88-12 42.0-43.0	205	238	20	3.04	< 0.2	60	< 10	< 0.5	< 2	12.80	< 0.5	23	186	185	6.73	< 10	< 1	< 0.01	< 10	0.28	2380
88-12 43.0-44.0	205	238	< 5	2.63	< 0.2	50	< 10	< 0.5	< 2	10.55	< 0.5	11	138	277	5.88	< 10	< 1	< 0.01	< 10	0.91	1935
88-12 44.0-45.0	205	238	30	3.51	< 0.2	80	< 10	< 0.5	< 2	14.20	< 0.5	50	219	381	9.33	< 10	< 1	< 0.01	< 10	0.52	2720
88-12 44.0-45.0	205	238	< 5	3.06	< 0.2	70	< 10	< 0.5	< 2	11.20	< 0.5	77	107	406	8.50	< 10	< 1	< 0.01	< 10	1.06	2250
88-12 45.0-46.0	205	238	< 5	2.56	< 0.2	30	< 10	< 0.5	< 2	10.65	< 0.5	6	120	38	4.39	< 10	< 1	< 0.01	< 10	0.60	1825
88-12 46.0-47.0	205	238	< 5	2.44	< 0.2	45	< 10	< 0.5	< 2	10.65	< 0.5	33	97	259	7.04	< 10	< 1	< 0.01	< 10	0.60	2110
88-12 47.0-48.0	205	238	10	2.73	< 0.2	45	10	< 0.5	< 2	10.95	< 0.5	15	145	120	5.58	< 10	< 1	0.01	< 10	0.53	2140
88-12 48.0-49.0	205	238	< 5	2.45	< 0.2	75	< 10	< 0.5	< 2	10.75	< 0.5	20	145	195	6.31	< 10	< 1	< 0.01	< 10	0.51	1965
88-12 49.0-50.0	205	238	< 5	2.21	< 0.2	40	< 10	< 0.5	< 2	9.78	< 0.5	22	98	136	5.71	< 10	< 1	< 0.01	< 10	0.52	2110
88-12 50.0-51.0	205	238	< 5	1.43	< 0.2	60	< 10	< 0.5	< 2	7.28	< 0.5	9	60	73	4.19	< 10	< 1	< 0.01	< 10	0.46	1215
88-12 51.0-52.0	205	238	< 5	2.34	< 0.2	40	< 10	1.0	< 2	12.35	< 0.5	24	141	180	8.87	< 10	< 1	< 0.01	< 10	0.44	2540
88-12 52.0-53.0	205	238	< 5	1.54	< 0.2	35	20	0.5	< 2	3.93	1.0	28	39	274	4.05	< 10	< 1	0.08	< 10	0.78	1000
88-12 53.0-54.0	205	238	< 5	2.19	0.4	40	20	0.5	< 2	1.78	< 0.5	37	36	365	3.47	< 10	< 1	0.10	< 10	1.48	475
88-12 54.0-55.0	205	238	< 5	1.63	0.6	45	20	< 0.5	2	1.13	< 0.5	43	30	490	3.82	< 10	< 1	0.09	< 10	1.21	384
88-12 55.0-56.0	205	238	60	1.37	< 0.2	35	120	0.5	< 2	9.38	0.5	23	97	134	5.61	< 10	< 1	0.08	< 10	0.76	1800
88-12 56.0-57.0	205	238	< 5	1.39	< 0.2	10	10	< 0.5	< 2	8.18	< 0.5	29	99	484	7.22	< 10	< 1	0.01	< 10	0.38	1500
88-12 57.0-58.0	205	238	< 5	1.29	< 0.2	10	10	0.5	< 2	6.22	< 0.5	11	107	97	4.20	< 10	< 1	< 0.01	< 10	0.41	1140
88-12 58.0-59.0	205	238	40	2.10	< 0.2	45	10	2.0	< 2	9.08	< 0.5	182	128	1845	10.50	< 10	< 1	< 0.01	< 10	0.58	2210
88-12 59.0-60.0	205	238	5	1.61	< 0.2	25	30	0.5	< 2	6.69	< 0.5	32	117	252	5.38	< 10	< 1	0.01	< 10	0.40	1340
88-12 60.0-60.93	205	238	35	2.37	< 0.2	45	10	< 0.5	< 2	14.35	< 0.5	19	112	331	6.76	< 10	< 1	0.03	< 10	2.12	2010
60.93-61.57	205	238	45	1.42	< 0.2	25	40	< 0.5	< 2	6.28	< 0.5	69	44	1140	>15.00	< 10	< 1	0.09	< 10	1.16	779
88-12 61.57-62.2	205	238	20	1.75	< 0.2	40	< 10	< 0.5	< 2	6.55	< 0.5	48	76	292	5.06	< 10	< 1	< 0.01	< 10	0.90	1215
88-12 62.0-63.0	205	238	35	1.48	0.6	35	130	< 0.5	< 2	4.07	< 0.5	56	113	346	6.57	< 10	< 1	0.14	< 10	0.49	1090
88-12 63.0-64.0	205	238	15	1.82	< 0.2	30	30	< 0.5	< 2	9.77	< 0.5	39	136	243	7.68	< 10	< 1	0.02	< 10	0.58	1755
88-12 64.0-65.0	205	238	10	1.62	< 0.2	20	80	< 0.5	< 2	4.86	< 0.5	58	94	481	13.45	< 10	< 1	0.08	< 10	0.64	1165
88-12 65.0-66.0	205	238	70	1.06	< 0.2	< 5	10	< 0.5	< 2	3.13	< 0.5	72	39	371	>15.00	< 10	< 1	0.01	< 10	0.48	689
88-12 66.0-67.0	205	238	< 5	2.80	< 0.2	70	< 10	< 0.5	< 2	13.20	< 0.5	46	116	197	10.15	< 10	< 1	< 0.01	< 10	0.78	2640
88-12 67.0-68.0	205	238	< 5	2.14	< 0.2	50	20	< 0.5	< 2	10.90	< 0.5	20	76	98	7.90	< 10	< 1	0.02	< 10	0.67	2110
88-12 68.0-69.0	205	238	< 5	2.44	< 0.2	25	10	< 0.5	< 2	11.90	< 0.5	10	116	44	8.12	< 10	< 1	0.01	< 10	0.67	2590
88-12 69.0-70.0	205	238	< 5	1.99	< 0.2	55	20	< 0.5	< 2	10.95	< 0.5	18	67	184	7.96	< 10	< 1	0.02	< 10	0.81	2450
88-12 70.0-71.0	205	238	< 5	2.11	< 0.2	45	120	< 0.5	< 2	9.32	< 0.5	28	89	215	8.22	< 10	< 1	0.20	< 10	0.94	1990
88-12 71.0-72.0	205	238	< 5	2.37	< 0.2	45	20	< 0.5	< 2	11.85	< 0.5	12	67	63	8.06	< 10	< 1	0.03	< 10	0.68	2360
88-12 72.0-73.0	205	238	15	2.34	< 0.2	50	20	< 0.5	< 2	12.10	< 0.5	19	82	173	8.91	< 10	< 1	0.03	< 10	0.63	2170
88-12 73.0-74.0	205	238	20	2.11	< 0.2	70	50	< 0.5	< 2	10.75	< 0.5	56	80	272	9.68	< 10	< 1	0.09	< 10	0.53	1895
88-12 74.0-75.0	205	238	< 5	1.93	< 0.2	60	20	< 0.5	< 2	12.35	< 0.5	45	82	198	8.98	< 10	< 1	0.03	< 10	0.35	2240
88-12 75.0-76.0	205	238	< 5	2.35	< 0.2	75	20	< 0.5	< 2	14.70	< 0.5	27	89	218	9.57	< 10	< 1	0.03	< 10	0.54	2370
88-12 76.0-77.0	205	238	30	2.56	< 0.2	65	130	< 0.5	< 2	12.40	< 0.5	56	131	285	10.55	< 10	< 1	0.13	< 10	0.67	2410
88-12 77.0-78.0	205	238	120	2.61	< 0.2	75	180	< 0.5	< 2	12.80	< 0.5	65	66	731	14.20	< 10	1	0.10	< 10	0.74	2500
88-12 78.0-79.0	205	238	35	2.06	< 0.2	80	130	< 0.5	< 2	9.98	< 0.5	81	50	442	>15.00	< 10	< 1	0.07	< 10	0.80	2070

CERTIFICATION : B. Caughlin

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T... ERRA... ESO... MA... ENT ...
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5
Project : HAIDA 8803
Comments: ATTN: C.J. WESTERMAN CC: VITAL PACIFIC RESOURCES

*Pa...
Tot. Pages: 2
Date : 2-NOV-88
Invoice # : I-8826151
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826151

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
88-12 40.0-41.0	205	238	< 1	0.01	50	2440	2	5	9	13	0.07	10	< 10	99	10	35
88-12 42.0-43.0	205	238	< 1	0.01	30	2750	< 2	< 5	9	10	0.06	< 10	< 10	103	10	21
88-12 43.0-44.0	205	238	< 1	0.01	35	2650	< 2	< 5	9	21	0.08	< 10	< 10	130	10	51
88-12 44.0-45.0	205	238	< 1	0.02	85	2140	< 2	< 5	12	11	0.09	< 10	< 10	168	10	43
88-12 44.0-45.0	205	238	< 1	0.01	104	2500	< 2	< 5	9	26	0.10	< 10	< 10	134	15	58
88-12 45.0-46.0	205	238	< 1	0.01	10	1420	< 2	< 5	10	21	0.10	< 10	< 10	82	< 5	38
88-12 46.0-47.0	205	238	< 1	0.01	43	2060	< 2	< 5	9	17	0.08	< 10	< 10	186	10	51
88-12 47.0-48.0	205	238	< 1	0.02	29	1200	< 2	< 5	10	18	0.09	< 10	< 10	125	10	82
88-12 48.0-49.0	205	238	< 1	0.01	45	3950	< 2	< 5	9	19	0.08	< 10	< 10	99	10	40
88-12 49.0-50.0	205	238	< 1	0.01	40	1310	< 2	< 5	8	24	0.11	< 10	< 10	105	5	77
88-12 50.0-51.0	205	238	< 1	0.01	19	4230	< 2	< 5	5	22	0.07	< 10	< 10	92	5	43
88-12 51.0-52.0	205	238	< 1	0.02	52	1000	2	< 5	9	16	0.08	< 10	< 10	141	20	46
88-12 52.0-53.0	205	238	1	0.03	20	1370	8	< 5	2	39	0.10	< 10	< 10	51	< 5	261
88-12 53.0-54.0	205	238	< 1	0.05	26	1220	2	< 5	2	81	0.20	10	< 10	65	< 5	112
88-12 54.0-55.0	205	238	< 1	0.04	31	1320	< 2	< 5	1	70	0.12	10	< 10	37	< 5	46
88-12 55.0-56.0	205	238	8	0.03	27	1180	< 2	5	6	116	0.11	10	< 10	104	5	210
88-12 56.0-57.0	205	238	< 1	0.01	125	1500	< 2	< 5	5	46	0.10	10	< 10	89	5	40
88-12 57.0-58.0	205	238	1	0.01	28	1530	4	5	6	63	0.13	10	< 10	89	5	31
88-12 58.0-59.0	205	238	< 1	0.01	119	1800	< 2	5	8	39	0.12	< 10	< 10	147	10	62
88-12 59.0-60.0	205	238	< 1	0.01	72	1630	< 2	5	6	89	0.13	< 10	< 10	89	5	31
88-12 60.0-60.9	205	238	< 1	0.01	31	820	< 2	5	10	193	0.09	< 10	< 10	81	20	45
60.93-61.57	205	238	< 1	0.02	55	3320	< 2	5	4	81	0.07	< 10	< 10	200	25	46
88-12 61.57-62.2	205	238	< 1	0.01	48	1160	< 2	5	6	31	0.11	< 10	< 10	70	10	29
88-12 62.0-63.0	205	238	72	0.05	72	1290	< 2	5	7	79	0.17	< 10	< 10	93	10	23
88-12 63.0-64.0	205	238	39	0.02	46	1270	< 2	5	9	45	0.14	< 10	< 10	104	10	25
88-12 64.0-65.0	205	238	22	0.03	83	1170	< 2	5	5	69	0.15	< 10	< 10	177	15	37
88-12 65.0-66.0	205	238	< 1	0.01	125	570	< 2	5	3	20	0.06	< 10	< 10	172	5	31
88-12 66.0-67.0	205	238	< 1	0.01	65	3060	< 2	5	11	28	0.09	< 10	< 10	178	20	33
88-12 67.0-68.0	205	238	< 1	0.01	31	3330	< 2	5	8	28	0.07	< 10	< 10	169	15	24
88-12 68.0-69.0	205	238	< 1	0.01	12	1730	< 2	5	9	24	0.08	< 10	< 10	215	20	24
88-12 69.0-70.0	205	238	< 1	0.01	30	3090	< 2	< 5	6	31	0.07	< 10	< 10	124	15	29
88-12 70.0-71.0	205	238	< 1	0.04	29	2480	< 2	5	6	73	0.10	< 10	< 10	148	15	36
88-12 71.0-72.0	205	238	< 1	0.01	14	3940	< 2	< 5	9	28	0.08	10	< 10	215	10	25
88-12 72.0-73.0	205	238	< 1	0.02	30	4750	< 2	5	9	31	0.08	< 10	< 10	189	25	32
88-12 73.0-74.0	205	238	< 1	0.03	89	6730	< 2	5	8	37	0.08	10	< 10	185	20	25
88-12 74.0-75.0	205	238	< 1	0.01	75	2060	< 2	5	5	26	0.04	< 10	< 10	206	20	24
88-12 75.0-76.0	205	238	< 1	0.01	41	4670	< 2	5	7	45	0.05	< 10	< 10	212	15	27
88-12 76.0-77.0	205	238	< 1	0.04	97	3520	< 2	5	12	63	0.11	< 10	< 10	203	20	29
88-12 77.0-78.0	205	238	< 1	0.03	101	4250	< 2	10	8	30	0.09	< 10	< 10	259	35	36
88-12 78.0-79.0	205	238	< 1	0.02	133	4060	< 2	5	7	32	0.08	< 10	< 10	257	25	38

CERTIFICATION : B. Caughlin

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To : TERRANE RESOURCE MANAGEMENT INC.
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5
Project : HAIDA 8803
Comments: ATTN: C.J. WESTERMAN CC: VITAL PACIFIC RESOURCES

**Page No. : 2-A
Tot. Pages: 2
Date : 2-NOV-88
Invoice # : I-8826151
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826151

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
88-12 79.0-80.0	205	238	< 5	2.41	< 0.2	60	20	< 0.5	< 2	11.75	< 0.5	15	33	66	7.13	< 10	< 1	0.02	< 10	0.82	2070
88-12 80.0-81.0	205	238	< 5	2.14	< 0.2	50	10	< 0.5	< 2	8.00	< 0.5	28	35	322	5.17	< 10	< 1	0.01	< 10	1.15	1650
88-12 81.0-82.0	205	238	< 5	2.30	< 0.2	35	30	< 0.5	< 2	8.49	< 0.5	25	38	286	6.41	< 10	< 1	0.04	< 10	1.20	1805
88-12 82.0-83.0	205	238	10	1.79	0.2	50	30	< 0.5	< 2	2.69	< 0.5	118	35	609	5.94	< 10	< 1	0.05	< 10	1.04	699
88-12 83.0-84.0	205	238	25	2.16	< 0.2	45	10	< 0.5	< 2	7.95	< 0.5	22	90	883	6.71	< 10	< 1	0.02	< 10	0.97	1580
88-12 84.0-85.0	205	238	10	1.65	0.2	35	20	< 0.5	< 2	2.74	< 0.5	26	71	197	3.21	< 10	< 1	0.07	< 10	1.14	546
88-12 85.0-86.0	205	238	240	1.92	< 0.2	105	80	< 0.5	< 2	2.16	< 0.5	37	59	494	9.00	< 10	< 1	0.10	10	1.16	799
88-12 86.0-87.0	205	238	15	2.18	0.2	60	60	< 0.5	< 2	3.16	< 0.5	61	47	404	4.37	< 10	< 1	0.14	< 10	1.40	542
88-12 87.0-88.0	205	238	10	2.26	< 0.2	55	20	< 0.5	< 2	5.57	< 0.5	34	60	230	4.50	< 10	< 1	0.04	< 10	1.32	1025
88-12 88.0-89.0	205	238	15	2.32	0.4	60	60	< 0.5	2	2.04	< 0.5	56	53	530	4.43	< 10	< 1	0.14	< 10	1.15	326
88-12 89.0-90.0	205	238	130	2.17	< 0.2	75	140	< 0.5	< 2	2.72	< 0.5	61	48	646	11.60	< 10	< 1	0.14	< 10	1.27	551
88-12 90.0-91.0	205	238	310	2.03	0.6	85	140	< 0.5	< 2	6.45	0.5	50	99	1995	9.39	< 10	< 1	0.09	< 10	1.06	943
88-12 91.0-92.0	205	238	15	2.15	< 0.2	80	110	< 0.5	< 2	3.76	< 0.5	58	33	507	11.10	< 10	< 1	0.08	< 10	1.21	780
88-12 92.0-93.0	205	238	70	1.68	< 0.2	95	70	< 0.5	< 2	4.73	< 0.5	15	54	117	8.29	< 10	< 1	0.06	< 10	0.81	889
88-12 93.0-94.0	205	238	5	2.12	< 0.2	25	190	< 0.5	< 2	4.30	< 0.5	12	82	51	2.91	< 10	< 1	0.06	< 10	0.86	803
88-12 94.0-95.0	205	238	< 5	1.92	< 0.2	15	10	< 0.5	< 2	5.11	< 0.5	11	44	38	2.05	< 10	< 1	0.02	< 10	0.82	612
88-12 95.0-96.0	205	238	10	3.12	< 0.2	35	30	< 0.5	< 2	9.27	< 0.5	40	28	403	6.45	< 10	< 1	0.21	< 10	1.97	1700
88-12 96.0-97.0	205	238	5	2.67	< 0.2	45	70	< 0.5	< 2	>15.00	< 0.5	27	52	216	9.58	< 10	1	0.10	< 10	0.92	3060
88-12 97.0-98.0	205	238	10	2.84	< 0.2	30	20	< 0.5	< 2	13.80	< 0.5	17	64	138	8.74	< 10	< 1	0.08	< 10	1.10	2960
88-12 98.0-99.0	205	238	20	1.57	< 0.2	15	60	< 0.5	< 2	5.30	< 0.5	15	51	146	3.58	< 10	< 1	0.14	< 10	0.88	892
88-12 99.0-100.	205	238	20	1.50	< 0.2	15	30	< 0.5	< 2	4.53	0.5	20	65	234	2.89	< 10	< 1	0.15	< 10	0.68	647
100.0-101.0	205	238	65	2.40	< 0.2	55	30	< 0.5	< 2	11.90	< 0.5	34	84	506	8.04	< 10	< 1	0.05	< 10	0.67	1925
101.0-102.0	205	238	20	2.30	< 0.2	20	10	< 0.5	< 2	7.92	< 0.5	15	138	77	4.71	< 10	< 1	0.03	< 10	0.84	1330
102.0-103.0	205	238	10	3.04	< 0.2	25	10	< 0.5	< 2	12.55	< 0.5	15	131	117	6.13	< 10	< 1	0.02	< 10	0.74	2060
103.0-104.0	205	238	15	2.77	< 0.2	30	10	< 0.5	< 2	11.10	< 0.5	25	85	327	5.85	< 10	< 1	0.08	< 10	0.67	1655
104.0-105.5	205	238	35	1.83	0.2	25	10	< 0.5	< 2	4.42	< 0.5	19	67	241	3.21	< 10	< 1	0.04	< 10	0.75	656
105.0-106.0	205	238	45	1.44	< 0.2	20	10	< 0.5	< 2	3.80	< 0.5	12	65	87	2.68	< 10	< 1	0.07	< 10	0.93	581
106.0-107.0	205	238	220	1.87	< 0.2	10	20	< 0.5	< 2	5.02	< 0.5	13	79	98	2.68	< 10	< 1	0.07	< 10	0.73	665
107.0-108.0	205	238	285	2.05	< 0.2	10	50	< 0.5	< 2	>15.00	< 0.5	11	96	122	9.47	< 10	1	0.02	< 10	0.75	1950
108.0-109.0	205	238	110	1.85	< 0.2	15	30	< 0.5	< 2	4.66	0.5	19	55	220	3.53	< 10	< 1	0.07	< 10	1.28	858
109.0-110.0	205	238	200	1.43	0.4	20	40	< 0.5	2	2.90	< 0.5	21	55	199	2.96	< 10	< 1	0.09	< 10	1.29	515
110.0-111.0	205	238	230	1.07	0.2	15	40	< 0.5	2	2.87	< 0.5	8	67	43	2.13	< 10	< 1	0.09	< 10	1.13	424
111.0-112.0	205	238	1300	1.25	< 0.2	15	10	< 0.5	< 2	5.10	< 0.5	10	67	66	2.83	< 10	< 1	0.03	< 10	1.50	797
112.0-113.0	205	238	55	2.13	< 0.2	20	60	< 0.5	< 2	7.13	< 0.5	29	57	265	2.82	< 10	< 1	0.34	< 10	1.39	740
113.0-114.0	205	238	130	2.45	< 0.2	10	20	< 0.5	< 2	4.10	< 0.5	32	50	366	4.39	< 10	< 1	0.07	< 10	1.76	596
114.0-115.0	205	238	280	1.77	0.4	20	30	0.5	4	3.25	0.5	18	172	217	3.05	< 10	< 1	0.18	< 10	1.14	540
115.0-116.0	205	238	190	1.65	1.0	25	10	< 0.5	2	6.02	< 0.5	13	108	116	3.65	< 10	1	0.08	< 10	1.17	854
116.0-117.0	205	238	210	1.55	1.2	45	10	< 0.5	2	4.40	< 0.5	30	124	265	5.39	< 10	< 1	0.19	< 10	0.68	568
117.10-117.63	205	238	40	0.46	1.4	5	< 10	< 0.5	2	0.87	0.5	6	279	180	1.10	< 10	< 1	< 0.01	< 10	0.29	147
117.63-120.0	205	238	75	0.93	0.4	20	20	< 0.5	4	3.28	< 0.5	15	125	56	2.52	< 10	< 1	0.11	< 10	0.59	492

CERTIFICATION : B. Caplan

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88-12 79.0-80.0	205	238	< 1	0.01	34	2270	< 2	< 5	5	37	0.11	< 10	< 10	182	10	31
88-12 80.0-81.0	205	238	< 1	0.01	43	1600	< 2	5	8	68	0.14	< 10	< 10	178	5	59
88-12 81.0-82.0	205	238	< 1	0.02	55	1530	< 2	< 5	4	79	0.13	< 10	< 10	176	5	58
88-12 82.0-83.0	205	238	< 1	0.02	126	1140	2	< 5	4	68	0.16	< 10	< 10	84	< 5	66
88-12 83.0-84.0	205	238	< 1	0.03	46	3310	< 2	< 5	6	53	0.14	< 10	< 10	186	10	50
88-12 84.0-85.0	205	238	< 1	0.05	32	1870	4	< 5	5	74	0.17	< 10	< 10	98	60	55
88-12 85.0-86.0	205	238	1	0.05	288	1740	< 2	5	5	111	0.20	< 10	< 10	87	5	57
88-12 86.0-87.0	205	238	< 1	0.07	36	1320	< 2	5	6	159	0.17	< 10	< 10	82	30	48
88-12 87.0-88.0	205	238	< 1	0.05	40	1160	< 2	5	5	121	0.17	< 10	< 10	94	< 5	60
88-12 88.0-89.0	205	238	< 1	0.10	14	1360	< 2	< 5	4	224	0.24	< 10	< 10	77	20	52
88-12 89.0-90.0	205	238	6	0.08	43	1070	< 2	< 5	4	127	0.19	< 10	< 10	161	10	57
88-12 90.0-91.0	205	238	22	0.06	39	1330	< 2	5	5	128	0.17	< 10	< 10	187	15	94
88-12 91.0-92.0	205	238	< 1	0.05	41	810	< 2	5	4	105	0.19	< 10	< 10	152	15	64
88-12 92.0-93.0	205	238	6	0.04	20	1240	< 2	5	4	70	0.22	< 10	< 10	142	15	48
88-12 93.0-94.0	205	238	2	0.06	9	1850	4	5	5	117	0.30	< 10	< 10	99	5	61
88-12 94.0-95.0	205	238	1	0.05	5	1230	< 2	< 5	5	132	0.27	< 10	< 10	83	5	39
88-12 95.0-96.0	205	238	< 1	0.02	32	1180	< 2	< 5	9	115	0.13	< 10	< 10	163	10	106
88-12 96.0-97.0	205	238	< 1	0.02	27	390	< 2	5	4	63	0.09	< 10	< 10	219	20	47
88-12 97.0-98.0	205	238	< 1	0.02	27	710	< 2	5	8	30	0.12	< 10	< 10	423	20	49
88-12 98.0-99.0	205	238	< 1	0.04	11	1220	< 2	< 5	4	136	0.12	10	< 10	177	5	51
88-12 99.0-100.	205	238	2	0.05	14	1290	< 2	< 5	3	79	0.12	10	< 10	101	5	129
100.0-101.0	205	238	< 1	0.02	72	790	< 2	< 5	4	33	0.10	10	< 10	126	15	68
101.0-102.0	205	238	3	0.05	39	1280	< 2	< 5	5	56	0.22	< 10	< 10	300	10	91
102.0-103.0	205	238	< 1	0.02	34	990	< 2	< 5	6	38	0.14	< 10	< 10	231	10	65
103.0-104.0	205	238	8	0.03	20	800	< 2	< 5	4	46	0.15	< 10	< 10	192	10	53
104.0-105.5	205	238	3	0.04	27	1370	2	< 5	5	90	0.22	< 10	< 10	107	10	63
105.0-106.0	205	238	2	0.06	27	1350	2	< 5	5	91	0.21	< 10	< 10	129	< 5	119
106.0-107.0	205	238	2	0.06	24	1020	< 2	< 5	4	85	0.24	< 10	< 10	120	5	78
107.0-108.0	205	238	< 1	0.01	18	940	< 2	< 5	6	71	0.06	< 10	< 10	424	25	40
108.0-109.0	205	238	33	0.04	32	1010	< 2	< 5	6	142	0.26	10	< 10	119	10	91
109.0-110.0	205	238	62	0.04	71	950	< 2	< 5	6	67	0.21	20	20	123	5	66
110.0-111.0	205	238	65	0.03	50	1850	2	< 5	5	55	0.17	< 10	< 10	94	5	63
111.0-112.0	205	238	40	0.03	47	580	< 2	< 5	5	53	0.12	< 10	< 10	101	< 5	60
112.0-113.0	205	238	35	0.04	39	1040	< 2	< 5	10	114	0.06	< 10	< 10	117	5	51
113.0-114.0	205	238	18	0.07	24	1300	< 2	< 5	9	57	0.22	< 10	< 10	137	5	44
114.0-115.0	205	238	87	0.03	70	720	10	< 5	11	38	< 0.01	< 10	< 10	90	5	119
115.0-116.0	205	238	141	0.02	100	830	20	5	14	62	< 0.01	< 10	< 10	43	10	75
116.0-117.0	205	238	56	0.04	80	3260	22	5	11	52	< 0.01	< 10	< 10	77	10	56
117.10-117.63	205	238	150	0.04	16	310	350	< 5	2	62	< 0.01	< 10	< 10	2	< 5	87
117.63-120.0	205	238	21	0.05	42	780	4	< 5	6	46	< 0.01	< 10	< 10	20	< 5	43

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: TERRANE RESOURCE MANAGEMENT INC.
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : HAIDA 8803
Comments: ATTN: C. J. WESTERMAN CC: VITAL PACIFIC RES.

Date : 3-NOV-88
Invoice # : I-8826225
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826225

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
8812 120.0-121.	205	238	30	0.47	0.4	80	40	< 0.5	2	2.42	1.0	15	69	87	2.17	< 10	< 1	0.16	10	0.60	421
8812 121.0-122.	205	238	40	0.68	0.6	40	50	< 0.5	< 2	3.39	1.0	15	103	96	2.84	< 10	< 1	0.21	< 10	1.11	570
8812 122.0-123.	205	238	< 5	1.76	0.6	20	30	< 0.5	< 2	4.08	< 0.5	13	108	65	2.56	< 10	1	0.07	< 10	2.49	737
8812 123.0-124.	205	238	10	1.69	0.6	< 5	130	< 0.5	< 2	0.87	< 0.5	13	101	66	2.69	< 10	< 1	0.36	10	1.50	304
8812 124.0-125.	205	238	30	1.18	1.0	5	70	< 0.5	< 2	0.87	< 0.5	13	113	80	2.48	< 10	< 1	0.21	10	1.22	269
8812 125.0-126.	205	238	10	1.12	1.8	5	70	< 0.5	< 2	0.75	< 0.5	16	100	88	2.73	< 10	< 1	0.22	10	1.14	262
8812 126.0-127.	205	238	15	0.99	1.0	< 5	70	< 0.5	< 2	0.65	< 0.5	13	123	81	2.31	< 10	< 1	0.19	10	0.95	201
8812 127.0-128.	205	238	15	1.21	0.4	15	40	< 0.5	< 2	1.82	< 0.5	15	118	78	2.43	< 10	< 1	0.12	10	1.25	328
8812 129.0-130.	205	238	30	1.64	0.6	10	130	< 0.5	< 2	1.77	< 0.5	16	142	98	2.77	< 10	2	0.25	10	1.31	317
8812 130.0-131.	205	238	265	1.51	0.8	15	60	< 0.5	< 2	1.06	< 0.5	14	144	82	2.54	< 10	< 1	0.25	10	1.51	347
8812 131.0-132.	205	238	275	1.31	0.4	5	30	< 0.5	< 2	1.52	< 0.5	17	129	101	3.22	< 10	< 1	0.13	10	1.35	405
8812 132.0-133.	205	238	435	1.56	0.4	< 5	70	< 0.5	< 2	2.05	< 0.5	23	38	109	3.62	< 10	< 1	0.22	10	1.13	361
8812 133.0-134.	205	238	120	1.39	0.8	< 5	90	0.5	< 2	1.15	< 0.5	17	139	120	3.14	< 10	1	0.26	10	1.14	275
8812 134.0-135.	205	238	40	1.25	0.6	10	50	< 0.5	< 2	1.65	< 0.5	13	151	86	2.46	< 10	< 1	0.15	10	1.03	435
8812 135.0-136.	205	238	35	1.09	0.6	85	40	< 0.5	< 2	1.42	0.5	8	142	74	2.10	< 10	< 1	0.18	10	1.10	295
8812 136.0-137.	205	238	25	1.36	0.6	15	40	< 0.5	< 2	2.17	0.5	12	131	66	2.53	< 10	< 1	0.11	10	1.62	440
8812 137.0-138.	205	238	30	1.04	0.8	30	50	< 0.5	< 2	0.88	< 0.5	11	133	85	2.38	< 10	< 1	0.14	10	1.02	243
8812 138.0-139.	205	238	15	1.35	1.2	55	80	< 0.5	< 2	1.66	< 0.5	24	68	142	3.84	< 10	< 1	0.20	10	1.12	350
8812 139.0-140.	205	238	85	1.80	1.6	15	120	< 0.5	< 2	2.04	0.5	34	32	166	5.30	< 10	< 1	0.27	10	1.33	489
8812 140.0-141.	205	238	80	1.65	1.4	< 5	60	< 0.5	< 2	1.56	0.5	32	13	155	4.54	< 10	< 1	0.16	10	1.34	440
8812 141.0-142.	205	238	75	1.32	1.2	280	90	1.0	< 2	2.13	0.5	18	81	136	3.50	< 10	< 1	0.28	10	1.23	406
8812 142.0-143.	205	238	40	0.92	1.2	30	50	0.5	< 2	0.95	0.5	15	126	100	2.57	< 10	< 1	0.15	10	0.90	223
8812 143.0-144.	205	238	60	0.94	1.4	45	40	1.0	< 2	2.33	8.5	17	121	121	3.16	< 10	< 1	0.13	10	1.03	277
8812 144.0-145.	205	238	55	1.26	1.2	45	100	1.0	< 2	1.48	1.0	15	145	108	3.20	< 10	< 1	0.23	10	1.16	262
8812 145.0-146.	205	238	35	1.04	1.4	20	140	0.5	< 2	0.77	3.0	17	146	142	2.79	< 10	< 1	0.23	20	0.91	214
8812 146.0-147.	205	238	30	0.63	1.0	15	170	0.5	< 2	1.57	2.5	15	129	105	1.88	< 10	< 1	0.17	20	0.33	179
8812 147.0-148.	205	238	30	0.70	0.8	150	220	0.5	< 2	0.90	4.0	17	106	110	2.32	< 10	2	0.27	10	0.34	151
8812 148.0-149.	205	238	70	0.83	0.6	45	200	0.5	< 2	1.52	2.0	19	164	108	2.75	< 10	1	0.23	10	0.52	261
8812 149.0-150.	205	238	115	2.31	0.8	< 5	270	1.0	< 2	2.34	0.5	33	19	122	4.79	10	1	0.35	10	1.65	809
8812 150.0-151.	205	238	130	2.67	0.6	10	150	0.5	< 2	4.72	< 0.5	33	9	126	5.99	10	1	0.23	< 10	2.20	1055
8812 151.0-152.	205	238	215	2.13	0.6	5	140	< 0.5	< 2	3.35	0.5	26	17	155	5.04	< 10	2	0.18	< 10	1.66	810
8813 8.2-9.0	205	238	20	2.48	0.2	< 5	10	< 0.5	< 2	12.10	0.5	3	99	19	5.97	< 10	< 1	0.02	< 10	0.62	1810
8813 9.0-10.0	205	238	15	1.97	0.2	15	10	< 0.5	< 2	>15.00	0.5	3	50	29	7.44	< 10	2	< 0.01	< 10	0.64	1610
8813 10.0-11.0	205	238	15	2.16	0.2	10	< 10	< 0.5	< 2	12.50	< 0.5	< 1	59	19	5.56	< 10	< 1	0.01	< 10	0.76	1590
8813 11.0-12.0	205	238	25	2.10	0.2	< 5	< 10	< 0.5	< 2	10.15	0.5	2	53	18	4.82	< 10	< 1	< 0.01	< 10	0.86	1430
8813 12.0-13.0	205	238	< 5	2.17	0.2	< 5	< 10	< 0.5	< 2	7.03	0.5	8	46	33	4.52	< 10	< 1	0.01	< 10	1.23	1265
8813 13.0-14.0	205	238	155	2.18	0.6	25	10	< 0.5	< 2	12.05	0.5	4	60	75	5.61	< 10	< 1	0.04	< 10	0.75	1650
8813 14.0-15.0	205	238	95	2.13	0.6	5	< 10	< 0.5	< 2	10.85	< 0.5	6	77	256	5.67	< 10	< 1	0.01	< 10	0.47	1615
8813 15.0-16.0	205	238	< 5	2.03	0.4	10	< 10	< 0.5	< 2	6.56	< 0.5	< 1	22	43	1.96	< 10	< 1	0.01	< 10	0.43	1390
8813 16.0-17.0	205	238	25	2.07	0.4	< 5	< 10	< 0.5	< 2	10.25	< 0.5	< 1	29	55	3.47	< 10	< 1	0.03	< 10	0.27	1540

CERTIFICATION : B. Caughlin

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

To : TERRANE RESOURCE MANAGEMENT INC.
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5
Project : HAIDA 8803
Comments: ATTN: C. J. WESTERMAN CC: VITAL PACIFIC RES.

Date : 3-NOV-88
Invoice # : I-8826225
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826225

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
8812 120.0-121.	205	238	10	0.02	93	470	14	5	4	66	< 0.01	< 10	< 10	21	5	90
8812 121.0-122.	205	238	2	0.05	85	260	32	< 5	7	129	< 0.01	< 10	< 10	25	5	153
8812 122.0-123.	205	238	3	0.02	58	240	< 2	< 5	7	99	0.01	< 10	< 10	62	10	92
8812 123.0-124.	205	238	1	0.03	67	360	2	< 5	4	38	0.01	< 10	< 10	39	5	104
8812 124.0-125.	205	238	2	0.02	83	270	< 2	< 5	3	35	0.06	< 10	< 10	36	5	188
8812 125.0-126.	205	238	1	0.01	79	270	8	< 5	4	24	0.13	< 10	< 10	33	< 5	190
8812 126.0-127.	205	238	< 1	0.02	78	200	6	< 5	2	29	0.06	< 10	< 10	28	< 5	108
8812 127.0-128.	205	238	1	0.03	66	630	6	< 5	3	61	0.12	< 10	< 10	46	5	88
8812 129.0-130.	205	238	2	0.05	77	560	8	< 5	4	204	0.10	< 10	< 10	49	5	72
8812 130.0-131.	205	238	4	0.03	61	270	6	5	5	36	0.11	< 10	< 10	42	5	91
8812 131.0-132.	205	238	4	0.02	55	570	< 2	< 5	5	44	0.17	< 10	< 10	75	5	78
8812 132.0-133.	205	238	2	0.04	24	1080	10	< 5	4	81	0.23	< 10	< 10	71	5	52
8812 133.0-134.	205	238	1	0.04	59	480	12	< 5	6	45	0.18	< 10	< 10	58	< 5	66
8812 134.0-135.	205	238	47	0.03	56	270	6	< 5	3	40	0.10	< 10	< 10	45	5	88
8812 135.0-136.	205	238	3	0.03	58	190	6	< 5	3	52	0.08	< 10	< 10	34	< 5	110
8812 136.0-137.	205	238	3	0.02	47	250	14	< 5	4	70	0.15	< 10	< 10	45	5	165
8812 137.0-138.	205	238	7	0.02	38	240	6	< 5	4	36	0.12	< 10	< 10	41	5	85
8812 138.0-139.	205	238	5	0.02	27	790	8	< 5	3	70	0.20	< 10	< 10	75	5	66
8812 139.0-140.	205	238	1	0.03	23	1130	2	< 5	3	96	0.30	< 10	< 10	105	5	92
8812 140.0-141.	205	238	1	0.04	22	1240	4	< 5	3	71	0.28	< 10	< 10	92	5	88
8812 141.0-142.	205	238	8	0.02	78	630	6	< 5	3	58	0.10	< 10	< 10	78	5	117
8812 142.0-143.	205	238	8	0.03	94	310	8	< 5	3	41	0.07	< 10	< 10	62	< 5	124
8812 143.0-144.	205	238	99	0.02	96	1530	16	< 5	4	146	0.02	< 10	< 10	258	< 5	533
8812 144.0-145.	205	238	10	0.03	77	290	22	< 5	4	139	0.05	< 10	< 10	59	< 5	195
8812 145.0-146.	205	238	4	0.03	88	350	38	< 5	4	37	0.07	< 10	< 10	51	< 5	511
8812 146.0-147.	205	238	2	0.06	68	440	18	< 5	3	139	0.02	< 10	< 10	33	< 5	333
8812 147.0-148.	205	238	2	0.05	59	640	6	< 5	3	38	0.05	< 10	< 10	39	< 5	560
8812 148.0-149.	205	238	5	0.06	75	860	4	< 5	6	43	0.10	< 10	< 10	86	< 5	300
8812 149.0-150.	205	238	< 1	0.05	15	1340	< 2	< 5	5	107	0.25	< 10	< 10	129	5	116
8812 150.0-151.	205	238	< 1	0.05	15	1200	< 2	< 5	8	112	0.32	< 10	< 10	182	5	107
8812 151.0-152.	205	238	2	0.03	19	1140	< 2	5	5	116	0.25	< 10	< 10	121	< 5	87
8813 8.2-9.0	205	238	< 1	0.01	16	1220	< 2	5	7	25	0.07	< 10	< 10	74	5	37
8813 9.0-10.0	205	238	< 1	0.01	9	2770	< 2	5	5	31	0.06	< 10	< 10	67	10	38
8813 10.0-11.0	205	238	< 1	< 0.01	6	1830	< 2	5	5	26	0.07	< 10	< 10	49	10	39
8813 11.0-12.0	205	238	< 1	0.01	10	1240	< 2	5	5	16	0.07	< 10	< 10	32	< 5	31
8813 12.0-13.0	205	238	< 1	0.02	25	1040	< 2	5	5	20	0.10	< 10	< 10	36	5	41
8813 13.0-14.0	205	238	< 1	0.01	17	770	< 2	< 5	5	39	0.06	< 10	< 10	38	10	35
8813 14.0-15.0	205	238	< 1	0.01	16	530	2	5	6	15	0.04	< 10	< 10	46	< 5	45
8813 15.0-16.0	205	238	< 1	0.02	< 1	1030	< 2	< 5	1	21	0.04	< 10	< 10	23	< 5	23
8813 16.0-17.0	205	238	2	< 0.01	< 1	1180	< 2	5	2	30	0.03	< 10	< 10	35	< 5	19

CERTIFICATION : B. Caughlin

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Project : HAIDA 8803
Comments: ATTN: C J. WESTERMAN CC: VITAL PACIFIC RES

Date : 3-NOV-88
Invoice # : I-8826225
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CERTIFICATE OF ANALYSIS A8826225

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
8813 17.0-18.0	205	238	< 5	2.21	< 0.2	10	< 10	< 0.5	< 2	9.39	< 0.5	6	58	1	1.96	< 10	< 1	0.03	< 10	0.49	1110
8813 18.0-19.0	205	238	< 5	2.36	< 0.2	55	< 10	< 0.5	< 2	7.62	0.5	20	47	201	2.49	< 10	< 1	< 0.01	< 10	0.47	880
8813 19.0-20.0	205	238	< 5	1.54	< 0.2	25	< 10	< 0.5	< 2	6.07	< 0.5	6	27	44	1.37	< 10	1	< 0.01	< 10	0.38	799
8813 20.0-21.0	205	238	< 5	1.28	< 0.2	20	< 10	< 0.5	< 2	5.03	0.5	8	32	86	2.07	< 10	1	< 0.01	< 10	0.45	763
8813 21.0-22.0	205	238	< 5	1.26	< 0.2	20	< 10	< 0.5	< 2	5.15	< 0.5	10	26	81	2.06	< 10	1	< 0.01	< 10	0.65	815
8813 22.0-23.0	205	238	110	1.43	< 0.2	45	< 10	< 0.5	< 2	4.46	< 0.5	8	18	111	3.28	< 10	< 1	0.01	< 10	0.59	697
8813 23.0-24.0	205	238	10	1.83	< 0.2	75	10	< 0.5	< 2	5.48	< 0.5	21	28	200	3.29	< 10	< 1	0.05	< 10	1.02	878
8813 24.0-25.3	205	238	< 5	1.68	< 0.2	25	10	< 0.5	< 2	8.40	< 0.5	9	16	34	2.12	< 10	< 1	0.04	< 10	0.80	955
8813 25.3-26.0	205	238	< 5	1.41	< 0.2	30	10	< 0.5	< 2	3.13	< 0.5	26	12	143	1.99	< 10	< 1	0.01	< 10	0.82	375
8813 26.8-28.0	205	238	< 5	2.18	< 0.2	40	< 10	< 0.5	< 2	6.82	< 0.5	21	24	197	2.39	< 10	< 1	< 0.01	< 10	0.84	775
8813 28.0-29.0	205	238	< 5	2.62	< 0.2	75	10	< 0.5	< 2	9.09	0.5	9	30	53	2.27	< 10	< 1	0.02	< 10	0.84	1185
8813 29.0-30.0	205	238	< 5	3.24	< 0.2	50	10	< 0.5	< 2	10.05	< 0.5	7	20	10	2.43	< 10	2	< 0.01	< 10	0.60	1735
8813 30.0-31.0	205	238	< 5	2.79	< 0.2	80	< 10	< 0.5	< 2	9.34	< 0.5	6	34	8	2.25	< 10	< 1	< 0.01	< 10	0.38	1760
8813 31.0-32.0	205	238	< 5	2.87	< 0.2	65	< 10	< 0.5	< 2	9.88	< 0.5	6	27	14	2.55	< 10	2	0.01	< 10	0.51	1895
8813 32.0-33.7	205	238	< 5	2.83	< 0.2	15	20	< 0.5	< 2	10.75	< 0.5	9	30	39	3.31	< 10	< 1	0.03	< 10	0.65	1885
8813 33.7-35.0	205	238	< 5	2.69	< 0.2	20	< 10	< 0.5	< 2	>15.00	< 0.5	15	46	97	5.36	< 10	1	< 0.01	< 10	1.12	1880
8813 35.0-36.0	205	238	< 5	3.34	< 0.2	45	< 10	< 0.5	< 2	11.95	< 0.5	19	48	104	3.98	< 10	3	< 0.01	< 10	0.72	1415
8813 36.0-37.0	205	238	< 5	2.38	< 0.2	60	< 10	< 0.5	< 2	7.54	< 0.5	26	48	156	2.82	< 10	2	< 0.01	< 10	0.53	827
8813 37.0-38.0	205	238	< 5	1.86	< 0.2	25	< 10	< 0.5	< 2	6.86	0.5	9	55	109	2.29	< 10	< 1	0.01	< 10	0.41	778
8813 38.0-39.0	205	238	< 5	2.54	< 0.2	35	< 10	< 0.5	< 2	11.35	< 0.5	12	39	154	5.54	< 10	3	< 0.01	< 10	0.55	1815
8813 39.0-40.0	205	238	< 5	2.98	< 0.2	60	< 10	< 0.5	< 2	11.65	< 0.5	14	43	95	4.66	< 10	< 1	< 0.01	< 10	0.53	1720
8813 40.0-41.0	205	238	< 5	2.66	< 0.2	30	< 10	< 0.5	< 2	10.85	< 0.5	8	57	68	4.08	< 10	< 1	< 0.01	< 10	0.33	1415
8813 41.0-42.0	205	238	5	3.47	< 0.2	30	< 10	< 0.5	< 2	13.10	< 0.5	15	89	158	4.79	< 10	3	< 0.01	< 10	0.42	1800

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 : TERRANE RESOURCE MANAGEMENT INC.

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : HAIDA 8803
Comments: ATTN: C. J. WESTERMAN CC: VITAL PACIFIC RES.

Date : 3-NOV-88
Invoice # : I-8826225
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826225

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
8813 17.0-18.0	205	238	< 1	0.01	7	1470	4	< 5	3	39	0.08	< 10	< 10	54	< 5	20
8813 18.0-19.0	205	238	< 1	0.01	36	1640	< 2	< 5	6	15	0.12	< 10	< 10	72	< 5	28
8813 19.0-20.0	205	238	< 1	0.01	4	1290	< 2	5	2	27	0.06	< 10	< 10	36	< 5	14
8813 20.0-21.0	205	238	< 1	0.01	9	1050	< 2	5	3	26	0.05	< 10	< 10	33	< 5	37
8813 21.0-22.0	205	238	< 1	0.01	13	700	< 2	< 5	2	26	0.05	< 10	< 10	25	< 5	28
8813 22.0-23.0	205	238	< 1	0.01	10	1380	< 2	< 5	2	52	0.07	< 10	< 10	28	< 5	55
8813 23.0-24.0	205	238	< 1	0.01	23	2220	2	5	3	41	0.08	< 10	< 10	45	< 5	65
8813 24.0-25.3	205	238	< 1	0.01	5	1160	< 2	5	3	58	0.07	< 10	< 10	49	< 5	25
8813 25.3-26.0	205	238	2	0.04	8	1200	6	< 5	3	65	0.15	< 10	< 10	45	< 5	99
8813 26.8-28.0	205	238	< 1	0.01	16	990	4	< 5	6	28	0.13	< 10	< 10	77	5	241
8813 28.0-29.0	205	238	< 1	0.01	9	3120	2	5	5	35	0.09	< 10	< 10	70	5	161
8813 29.0-30.0	205	238	1	0.02	2	1930	8	< 5	1	40	0.04	< 10	< 10	53	5	35
8813 30.0-31.0	205	238	< 1	0.02	1	3090	< 2	< 5	2	19	0.03	< 10	< 10	39	< 5	19
8813 31.0-32.0	205	238	< 1	0.02	1	2120	< 2	5	1	31	0.03	< 10	< 10	39	5	22
8813 32.0-33.7	205	238	< 1	0.02	7	990	< 2	< 5	2	50	0.04	< 10	< 10	47	< 5	32
8813 33.7-35.0	205	238	< 1	0.01	11	1650	< 2	< 5	6	64	0.10	< 10	< 10	79	10	47
8813 35.0-36.0	205	238	< 1	0.01	14	1720	< 2	< 5	8	26	0.10	< 10	< 10	100	10	35
8813 36.0-37.0	205	238	< 1	0.01	18	1940	< 2	< 5	5	15	0.09	< 10	< 10	83	5	40
8813 37.0-38.0	205	238	< 1	0.01	8	2030	< 2	< 5	5	19	0.07	< 10	< 10	71	< 5	44
8813 38.0-39.0	205	238	< 1	0.01	11	1530	2	5	4	19	0.06	< 10	< 10	55	10	53
8813 39.0-40.0	205	238	< 1	0.02	27	2610	< 2	< 5	7	21	0.08	< 10	< 10	77	10	33
8813 40.0-41.0	205	238	< 1	0.01	6	1660	< 2	< 5	6	14	0.05	< 10	< 10	65	5	20
8813 41.0-42.0	205	238	< 1	0.01	12	1350	< 2	5	7	19	0.06	< 10	< 10	61	10	25

CERTIFICATION : B. Caughlin

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PHONE (604) 984-0221

...ERRA... RESO... MA...MENT INC.

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : HAIDA 8803
Comments: ATTN: J. C. WESTERMAN CC: VITAL PACIFIC RESOURCES

Date : 2-NOV-88
Invoice # : I-8826312
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826312

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
8813 42.0-43.0	205	238	< 5	2.30	< 0.2	135	< 10	< 0.5	< 2	7.86	< 0.5	2	55	10	2.52	< 10	< 1	< 0.01	< 10	0.33	1230
8813 43.0-44.0	205	238	< 5	2.79	< 0.2	50	< 10	0.5	< 2	12.15	< 0.5	5	99	3	4.69	< 10	< 1	< 0.01	< 10	0.71	1980
8813 44.0-45.0	205	238	< 5	2.80	< 0.2	40	< 10	< 0.5	< 2	13.35	< 0.5	4	103	13	4.41	< 10	< 1	0.01	< 10	0.67	2180
8813 45.0-46.0	205	238	< 5	3.18	< 0.2	35	< 10	< 0.5	< 2	12.45	< 0.5	6	123	59	4.80	< 10	< 1	0.02	< 10	0.57	2150
8813 46.0-47.0	205	238	5	2.44	< 0.2	55	< 10	0.5	< 2	12.15	< 0.5	10	65	163	4.04	< 10	< 1	0.02	< 10	0.62	1880
8813 47.0-48.0	205	238	< 5	2.51	< 0.2	75	< 10	< 0.5	< 2	10.75	0.5	5	33	50	3.13	< 10	< 1	0.03	< 10	0.49	1450
8813 48.0-49.0	205	238	10	1.11	< 0.2	30	< 10	< 0.5	< 2	12.90	< 0.5	14	20	168	2.81	< 10	< 1	< 0.01	< 10	0.48	1085
8813 49.0-50.0	205	238	5	2.09	< 0.2	80	10	< 0.5	< 2	11.35	< 0.5	3	30	75	3.37	< 10	< 1	0.05	< 10	0.49	1615
8813 50.0-51.0	205	238	< 5	2.90	< 0.2	90	10	0.5	< 2	11.25	< 0.5	2	22	1	3.73	< 10	< 1	0.02	< 10	0.56	1825
8813 51.0-52.0	205	238	< 5	2.61	< 0.2	90	< 10	< 0.5	< 2	12.15	< 0.5	3	56	2	4.30	< 10	< 1	< 0.01	< 10	0.58	2000
8813 52.0-53.0	205	238	< 5	3.21	< 0.2	70	< 10	< 0.5	< 2	13.20	< 0.5	3	87	< 1	5.50	< 10	< 1	< 0.01	< 10	0.65	2260
8813 53.0-54.0	205	238	25	3.19	< 0.2	45	10	< 0.5	< 2	12.75	< 0.5	4	42	59	5.02	< 10	< 1	< 0.01	< 10	0.47	2040
8813 54.0-55.0	205	238	< 5	2.72	< 0.2	50	< 10	< 0.5	< 2	13.15	< 0.5	6	105	92	6.06	< 10	< 1	< 0.01	< 10	0.57	2060
8813 55.0-56.0	205	238	< 5	2.25	< 0.2	45	< 10	< 0.5	< 2	13.65	< 0.5	5	94	47	7.59	< 10	< 1	< 0.01	< 10	0.42	2110
8813 56.0-57.0	205	238	< 5	2.45	< 0.2	35	< 10	< 0.5	< 2	13.55	< 0.5	5	96	31	7.21	< 10	< 1	< 0.01	< 10	0.39	1960
8813 57.0-58.0	205	238	< 5	2.15	< 0.2	55	< 10	< 0.5	< 2	12.95	< 0.5	3	101	21	5.79	< 10	< 1	< 0.01	< 10	0.36	1895
8813 58.4-59.4	205	238	15	1.31	< 0.2	80	< 10	< 0.5	< 2	9.46	< 0.5	6	82	58	5.13	< 10	< 1	< 0.01	< 10	0.34	1330
8813 59.4-61.0	205	238	< 5	1.16	< 0.2	35	< 10	< 0.5	< 2	3.23	< 0.5	11	24	55	1.46	< 10	< 1	0.02	< 10	0.67	473
8813 61.0-62.0	205	238	< 5	1.50	< 0.2	30	10	< 0.5	< 2	5.77	< 0.5	7	21	66	1.63	< 10	< 1	0.04	< 10	0.67	533
8813 62.0-63.0	205	238	10	1.36	< 0.2	25	< 10	< 0.5	< 2	4.65	< 0.5	12	18	21	1.57	< 10	< 1	0.01	< 10	0.98	627
8813 63.0-64.0	205	238	< 5	2.33	< 0.2	25	10	< 0.5	< 2	6.33	< 0.5	11	21	64	2.21	< 10	1	0.01	< 10	1.06	749
8813 64.0-65.0	205	238	< 5	2.32	< 0.2	30	< 10	< 0.5	< 2	12.80	< 0.5	4	38	58	3.77	< 10	< 1	0.01	< 10	0.97	1670
8813 65.0-66.0	205	238	< 5	2.62	< 0.2	15	< 10	< 0.5	< 2	10.75	< 0.5	5	31	91	4.36	< 10	< 1	0.03	< 10	0.58	1650
8813 66.0-67.0	205	238	< 5	2.55	< 0.2	80	< 10	< 0.5	< 2	10.05	< 0.5	4	37	7	2.86	< 10	< 1	0.01	< 10	0.69	1545
8813 67.0-68.0	205	238	< 5	2.35	< 0.2	40	10	< 0.5	< 2	11.45	0.5	3	59	18	3.85	< 10	1	0.10	< 10	0.55	1605
8813 68.0-69.0	205	238	10	2.40	< 0.2	40	< 10	< 0.5	< 2	12.35	0.5	5	128	121	6.17	< 10	< 1	< 0.01	< 10	0.36	1765
8813 69.0-70.0	205	238	5	2.45	< 0.2	20	< 10	0.5	< 2	13.10	< 0.5	2	132	250	6.21	< 10	< 1	< 0.01	< 10	0.51	2030
8813 70.0-71.0	205	238	10	2.18	< 0.2	35	< 10	< 0.5	< 2	10.65	< 0.5	8	74	105	3.12	< 10	< 1	0.01	< 10	0.64	1250
8813 71.0-72.0	205	238	15	2.10	< 0.2	25	20	< 0.5	< 2	7.39	< 0.5	2	45	44	2.03	< 10	< 1	0.07	< 10	0.40	1000
8813 72.0-73.0	205	238	< 5	1.85	< 0.2	55	< 10	< 0.5	< 2	7.26	< 0.5	5	48	154	2.29	< 10	< 1	0.01	< 10	0.39	924
8813 73.0-74.0	205	238	< 5	1.93	< 0.2	90	10	< 0.5	< 2	9.65	< 0.5	4	75	51	4.09	< 10	< 1	0.02	< 10	0.41	1175
8813 74.0-75.0	205	238	15	1.42	< 0.2	55	10	< 0.5	< 2	7.18	< 0.5	11	63	89	2.95	< 10	< 1	0.04	< 10	0.61	769
8813 75.0-76.0	205	238	< 5	1.63	< 0.2	85	< 10	< 0.5	< 2	9.16	< 0.5	6	102	233	4.18	< 10	< 1	< 0.01	< 10	0.33	1155
8813 76.0-77.0	205	238	< 5	1.25	< 0.2	50	10	< 0.5	< 2	4.49	< 0.5	5	43	87	1.51	< 10	< 1	0.06	< 10	0.44	559
8813 77.0-78.0	205	238	< 5	2.03	< 0.2	45	10	< 0.5	< 2	11.25	< 0.5	11	75	244	4.47	< 10	< 1	0.03	< 10	1.13	1710
8813 78.0-79.0	205	238	< 5	2.56	< 0.2	40	< 10	< 0.5	< 2	11.55	< 0.5	5	63	85	3.50	< 10	1	< 0.01	< 10	0.72	1855
8813 79.0-80.0	205	238	< 5	2.97	< 0.2	65	< 10	< 0.5	< 2	11.65	< 0.5	3	90	58	3.83	< 10	< 1	< 0.01	< 10	0.39	1775
8813 80.0-81.0	205	238	< 5	2.30	< 0.2	25	< 10	< 0.5	< 2	7.85	< 0.5	5	57	77	2.83	< 10	< 1	0.02	< 10	0.43	1370
8813 81.0-82.0	205	238	< 5	2.26	< 0.2	45	10	< 0.5	< 2	8.76	< 0.5	8	106	129	3.17	< 10	< 1	0.02	< 10	0.88	1570
8813 82.0-83.0	205	238	< 5	2.07	< 0.2	70	10	< 0.5	< 2	6.61	< 0.5	2	100	6	2.07	< 10	< 1	0.04	< 10	0.40	1150

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 : TERRANE RESOURCE MANAGEMENT INC.
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Page No. : 1-B
Tot. Pages: 1
Date : 2-NOV-88
Invoice # : I-8826312
P.O. # : NONE

Project : HAIDA 8803
Comments: ATTN: J. C. WESTERMAN CC: VITAL PACIFIC RESOURCES

CERTIFICATE OF ANALYSIS A8826312

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
8813 42.0-43.0	205 238	< 1	0.01	5	1920	< 2	< 5	6	11	0.10	< 10	< 10	65	< 5	13
8813 43.0-44.0	205 238	< 1	< 0.01	20	1280	< 2	< 5	10	15	0.11	< 10	< 10	76	15	30
8813 44.0-45.0	205 238	< 1	0.01	11	1480	< 2	< 5	5	55	0.06	< 10	< 10	49	15	31
8813 45.0-46.0	205 238	< 1	0.01	13	1490	< 2	< 5	7	29	0.05	< 10	< 10	48	15	36
8813 46.0-47.0	205 238	< 1	0.01	13	2970	8	< 5	4	34	0.08	< 10	< 10	99	10	47
8813 47.0-48.0	205 238	< 1	0.01	3	3680	< 2	< 5	2	31	0.06	< 10	< 10	79	5	53
8813 48.0-49.0	205 238	< 1	< 0.01	13	2460	< 2	< 5	1	90	0.06	< 10	< 10	54	5	35
8813 49.0-50.0	205 238	< 1	0.01	5	3650	< 2	5	2	47	0.08	< 10	< 10	103	5	27
8813 50.0-51.0	205 238	< 1	0.01	6	3920	< 2	< 5	2	33	0.10	< 10	< 10	102	10	24
8813 51.0-52.0	205 238	< 1	0.01	11	5850	< 2	< 5	3	25	0.05	< 10	< 10	67	15	23
8813 52.0-53.0	205 238	< 1	0.01	18	3450	< 2	5	4	14	0.06	< 10	< 10	71	15	27
8813 53.0-54.0	205 238	1	0.02	11	1650	< 2	5	5	29	0.12	< 10	< 10	116	10	28
8813 54.0-55.0	205 238	< 1	< 0.01	21	2430	< 2	< 5	4	17	0.05	< 10	< 10	74	15	33
8813 55.0-56.0	205 238	< 1	0.01	26	2600	< 2	5	4	19	0.03	< 10	< 10	75	15	27
8813 56.0-57.0	205 238	< 1	< 0.01	16	2340	< 2	5	4	14	0.06	< 10	< 10	83	20	28
8813 57.0-58.0	205 238	< 1	< 0.01	15	3140	< 2	< 5	4	16	0.06	20	10	71	15	19
8813 58.4-59.4	205 238	< 1	< 0.01	20	3930	< 2	< 5	3	22	0.04	< 10	< 10	49	10	16
8813 59.4-61.0	205 238	< 1	0.03	7	3320	2	< 5	3	46	0.16	10	< 10	60	< 5	42
8813 61.0-62.0	205 238	< 1	0.01	7	3430	< 2	< 5	1	78	0.11	< 10	< 10	47	< 5	56
8813 62.0-63.0	205 238	< 1	0.01	8	1840	< 2	5	3	98	0.15	10	< 10	47	< 5	58
8813 63.0-64.0	205 238	< 1	0.02	7	3600	4	< 5	3	71	0.14	< 10	< 10	65	5	101
8813 64.0-65.0	205 238	1	0.01	8	3010	4	5	3	85	0.08	< 10	< 10	69	5	61
8813 65.0-66.0	205 238	5	< 0.01	13	1520	< 2	< 5	2	31	0.06	< 10	< 10	64	10	59
8813 66.0-67.0	205 238	1	0.01	9	4630	4	< 5	1	32	0.04	< 10	< 10	66	< 5	42
8813 67.0-68.0	205 238	3	0.01	19	2550	4	< 5	3	41	0.06	< 10	< 10	69	5	109
8813 68.0-69.0	205 238	< 1	0.01	34	1510	< 2	< 5	5	19	0.04	< 10	< 10	57	15	114
8813 69.0-70.0	205 238	1	0.01	19	1300	< 2	5	6	18	0.05	< 10	< 10	64	15	89
8813 70.0-71.0	205 238	2	0.01	18	1540	2	< 5	3	41	0.11	< 10	< 10	59	5	44
8813 71.0-72.0	205 238	1	0.01	8	1250	< 2	< 5	3	29	0.08	10	< 10	53	5	74
8813 72.0-73.0	205 238	1	0.02	16	3000	< 2	< 5	3	29	0.09	< 10	< 10	55	5	64
8813 73.0-74.0	205 238	2	0.01	17	4680	< 2	< 5	4	27	0.09	< 10	< 10	58	10	36
8813 74.0-75.0	205 238	1	0.02	25	3980	< 2	< 5	3	68	0.10	< 10	< 10	52	10	76
8813 75.0-76.0	205 238	3	0.01	55	3040	< 2	< 5	5	26	0.07	< 10	< 10	44	15	32
8813 76.0-77.0	205 238	< 1	0.02	15	2480	< 2	< 5	4	31	0.10	10	< 10	44	5	42
8813 77.0-78.0	205 238	1	0.01	26	2130	< 2	5	6	52	0.07	10	< 10	73	10	65
8813 78.0-79.0	205 238	2	0.01	10	2570	< 2	5	5	34	0.08	10	< 10	67	10	48
8813 79.0-80.0	205 238	2	0.01	9	3240	< 2	< 5	7	22	0.08	< 10	< 10	67	10	37
8813 80.0-81.0	205 238	3	0.02	12	2030	< 2	< 5	5	33	0.09	< 10	< 10	51	5	41
8813 81.0-82.0	205 238	3	0.02	17	2670	4	< 5	7	53	0.13	10	10	64	5	84
8813 82.0-83.0	205 238	< 1	0.01	4	2580	< 2	< 5	7	13	0.08	10	10	50	5	23

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

...ERRA... RESC... MA...MENT ...C.
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Date : 3-NOV-88
Invoice # : I-8826415
P.O. # : NONE

Project : HAIDA 8803
Comments: ATTN: C. J. WESTERMAN CC: VITAL PACIFIC RESOURCES

CERTIFICATE OF ANALYSIS A8826415

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
8813 83.0-84.0	205	238	< 5	2.41	< 0.2	15	10	< 0.5	< 2	8.08	< 0.5	10	127	11	3.18	< 10	2	0.02	< 10	0.84	1535
8813 84.0-85.0	205	238	< 5	1.44	< 0.2	20	10	< 0.5	< 2	3.41	< 0.5	12	48	17	1.40	< 10	< 1	0.01	< 10	0.91	444
8813 85.0-86.0	205	238	< 5	1.31	< 0.2	30	< 10	< 0.5	< 2	2.89	< 0.5	17	45	47	1.16	< 10	1	< 0.01	< 10	0.85	433
8813 86.0-87.0	205	238	< 5	1.81	< 0.2	15	< 10	< 0.5	< 2	1.57	< 0.5	19	89	26	2.30	< 10	< 1	< 0.01	< 10	1.86	408
8813 87.0-88.0	205	238	< 5	2.52	< 0.2	20	10	< 0.5	< 2	1.51	< 0.5	34	146	77	3.29	< 10	< 1	0.01	< 10	2.78	518
8813 88.0-89.0	205	238	< 5	2.28	< 0.2	25	20	< 0.5	< 2	1.78	< 0.5	26	101	53	3.01	< 10	< 1	0.02	< 10	2.25	514
8813 89.0-90.0	205	238	285	2.75	< 0.2	20	30	< 0.5	< 2	1.66	< 0.5	26	58	21	4.09	< 10	1	0.05	10	2.39	709
8813 90.0-91.0	205	238	< 5	2.86	< 0.2	5	30	< 0.5	< 2	4.43	0.5	24	46	49	4.46	< 10	1	0.08	< 10	2.58	810
8813 91.0-92.0	205	238	15	2.38	< 0.2	10	50	< 0.5	< 2	1.64	< 0.5	24	46	80	3.66	< 10	< 1	0.07	10	1.88	604
8813 92.0-93.0	205	238	10	2.81	< 0.2	< 5	40	< 0.5	< 2	5.88	< 0.5	24	42	29	4.47	< 10	< 1	0.05	< 10	2.39	845
8813 93.0-94.0	205	238	5	2.77	< 0.2	35	30	< 0.5	< 2	1.20	< 0.5	36	73	69	4.79	< 10	< 1	0.03	10	2.30	565
8813 94.0-95.0	205	238	< 5	2.56	< 0.2	35	30	< 0.5	< 2	2.69	< 0.5	27	114	64	3.43	< 10	< 1	0.06	< 10	2.36	522
8813 95.0-96.0	205	238	< 5	1.32	< 0.2	5	30	< 0.5	< 2	1.84	< 0.5	8	73	19	1.23	< 10	< 1	0.10	< 10	0.91	200
8813 96.0-97.0	205	238	< 5	1.49	< 0.2	15	20	< 0.5	< 2	1.49	< 0.5	18	68	50	1.67	< 10	1	0.06	< 10	1.16	181
8813 97.0-98.0	205	238	< 5	1.47	< 0.2	10	30	< 0.5	< 2	1.37	< 0.5	19	49	110	2.09	< 10	< 1	0.08	< 10	0.88	154
8813 98.0-99.0	205	238	< 5	1.24	< 0.2	15	10	< 0.5	2	2.88	< 0.5	19	75	96	2.00	< 10	1	0.02	< 10	1.12	281
8813 99.0-100.0	205	238	< 5	1.05	< 0.2	15	< 10	< 0.5	< 2	1.23	< 0.5	17	49	69	1.66	< 10	< 1	0.01	< 10	0.96	176
8813 100.0-101.	205	238	< 5	1.29	< 0.2	5	10	< 0.5	< 2	1.21	< 0.5	19	52	78	1.78	< 10	< 1	0.04	10	0.93	181
8813 101.3-102.	205	238	< 5	1.29	< 0.2	35	10	< 0.5	< 2	2.31	< 0.5	38	34	359	3.34	< 10	< 1	0.03	< 10	0.97	399
8813 102.3-103.	205	238	< 5	1.26	< 0.2	50	20	< 0.5	< 2	2.33	< 0.5	27	40	145	1.50	< 10	< 1	0.05	< 10	0.84	305
8813 103.0-104.	205	238	< 5	1.95	< 0.2	10	30	< 0.5	< 2	4.95	< 0.5	30	48	290	3.94	< 10	< 1	0.12	< 10	2.01	700
8813 104.0-105.	205	238	< 5	1.86	< 0.2	5	50	< 0.5	< 2	7.51	< 0.5	14	71	9	2.40	< 10	< 1	0.06	< 10	1.96	1015
8813 105.0-106.	205	238	< 5	1.37	< 0.2	35	< 10	< 0.5	< 2	4.69	< 0.5	13	55	24	1.66	< 10	< 1	0.02	< 10	1.32	451
8813 106.0-107.	205	238	< 5	1.13	< 0.2	25	30	< 0.5	< 2	2.49	< 0.5	9	54	29	1.21	< 10	< 1	0.07	< 10	0.93	325
8813 107.0-108.	205	238	< 5	1.47	< 0.2	30	20	< 0.5	< 2	2.61	< 0.5	12	64	42	1.48	< 10	< 1	0.06	< 10	1.15	361
8813 108.0-109.	205	238	< 5	1.92	< 0.2	20	< 10	< 0.5	< 2	3.61	1.0	23	82	156	3.72	< 10	< 1	< 0.01	< 10	1.59	747
8813 109.0-110.	205	238	< 5	1.70	< 0.2	15	< 10	< 0.5	< 2	6.72	< 0.5	16	75	117	2.65	< 10	< 1	0.01	< 10	1.02	743
8813 110.0-111.	205	238	< 5	1.41	< 0.2	25	< 10	< 0.5	< 2	3.66	0.5	30	50	316	2.24	< 10	< 1	< 0.01	< 10	1.72	480
8813 111.0-112.	205	238	< 5	1.62	< 0.2	20	10	< 0.5	< 2	5.43	< 0.5	24	88	444	2.96	< 10	< 1	0.03	< 10	0.92	739
8813 112.0-113.	205	238	< 5	1.39	< 0.2	15	20	< 0.5	< 2	3.62	< 0.5	14	75	51	2.17	< 10	< 1	0.06	< 10	1.00	367
8813 113.0-114.	205	238	< 5	1.28	< 0.2	5	10	< 0.5	< 2	2.53	< 0.5	12	55	28	1.96	< 10	< 1	0.02	< 10	1.15	302
8813 114.0-115.	205	238	300	1.63	1.0	5	< 10	< 0.5	< 2	6.25	0.5	132	82	1925	12.55	< 10	< 1	< 0.01	< 10	0.74	1390

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: TERRANE RESOURCE MANAGEMENT INC.
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : HAIDA 8803
Comments: ATTN: C. J. WESTERMAN CC: VITAL PACIFIC RESOURCES

Date : 3-NOV-88
Invoice # : I-8826415
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826415

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
8813 83.0-84.0	205	238	< 1	0.01	10	1240	< 2	< 5	9	18	0.11	< 10	< 10	75	5	45
8813 84.0-85.0	205	238	< 1	0.01	14	720	< 2	< 5	4	47	0.13	< 10	< 10	38	< 5	48
8813 85.0-86.0	205	238	< 1	0.02	17	490	< 2	< 5	4	43	0.14	< 10	< 10	34	< 5	28
8813 86.0-87.0	205	238	< 1	0.02	29	550	< 2	< 5	5	37	0.16	< 10	< 10	55	< 5	46
8813 87.0-88.0	205	238	1	0.05	42	350	< 2	< 5	7	40	0.20	< 10	< 10	62	< 5	64
8813 88.0-89.0	205	238	< 1	0.03	23	530	< 2	< 5	5	59	0.19	< 10	< 10	66	5	53
8813 89.0-90.0	205	238	< 1	0.03	16	1100	< 2	< 5	4	77	0.28	< 10	< 10	94	< 5	77
8813 90.0-91.0	205	238	< 1	0.03	9	1110	< 2	< 5	10	96	0.27	< 10	< 10	140	5	76
8813 91.0-92.0	205	238	< 1	0.03	13	1150	2	< 5	3	106	0.23	< 10	< 10	96	5	67
8813 92.0-93.0	205	238	< 1	0.02	9	1150	6	5	9	160	0.19	< 10	< 10	129	5	67
8813 93.0-94.0	205	238	< 1	0.02	21	850	2	< 5	3	86	0.29	< 10	< 10	126	< 5	75
8813 94.0-95.0	205	238	< 1	0.06	26	430	< 2	< 5	8	111	0.23	< 10	< 10	93	5	51
8813 95.0-96.0	205	238	< 1	0.01	12	400	2	< 5	3	55	0.16	< 10	< 10	54	< 5	27
8813 96.0-97.0	205	238	< 1	0.02	20	450	< 2	< 5	3	47	0.16	< 10	< 10	48	< 5	45
8813 97.0-98.0	205	238	1	0.02	24	510	< 2	< 5	2	80	0.15	< 10	< 10	38	< 5	34
8813 98.0-99.0	205	238	< 1	0.02	28	580	< 2	< 5	5	59	0.16	< 10	< 10	45	< 5	60
8813 99.0-100.0	205	238	1	0.01	24	1660	< 2	< 5	2	40	0.09	< 10	< 10	32	< 5	34
8813 100.0-101.	205	238	1	0.02	18	950	< 2	< 5	2	69	0.16	< 10	< 10	40	< 5	41
8813 101.3-102.	205	238	< 1	0.01	16	1420	< 2	< 5	3	36	0.13	< 10	< 10	70	< 5	47
8813 102.3-103.	205	238	< 1	0.02	16	1170	< 2	< 5	2	57	0.10	< 10	< 10	26	< 5	46
8813 103.0-104.	205	238	1	0.01	22	1400	< 2	< 5	5	66	0.17	< 10	< 10	72	< 5	67
8813 104.0-105.	205	238	< 1	0.02	16	980	2	< 5	12	155	0.09	< 10	< 10	62	5	76
8813 105.0-106.	205	238	< 1	0.01	18	2330	< 2	5	6	49	0.07	< 10	< 10	40	< 5	58
8813 106.0-107.	205	238	< 1	0.01	16	2490	< 2	< 5	3	49	0.08	< 10	< 10	28	< 5	43
8813 107.0-108.	205	238	< 1	0.02	20	2030	< 2	< 5	4	58	0.12	< 10	< 10	34	< 5	41
8813 108.0-109.	205	238	< 1	0.01	25	1800	52	5	6	45	0.14	< 10	< 10	54	< 5	127
8813 109.0-110.	205	238	1	0.01	38	1280	4	< 5	6	45	0.13	< 10	< 10	78	< 5	44
8813 110.0-111.	205	238	< 1	0.02	46	1050	< 2	< 5	5	45	0.14	< 10	< 10	50	< 5	71
8813 111.0-112.	205	238	6	0.02	36	1700	6	< 5	5	47	0.15	< 10	< 10	67	< 5	54
8813 112.0-113.	205	238	1	0.02	16	790	4	< 5	5	43	0.14	< 10	< 10	60	< 5	30
8813 113.0-114.	205	238	< 1	0.01	18	970	< 2	< 5	5	45	0.11	< 10	< 10	52	< 5	33
8813 114.0-115.	205	238	7	0.01	126	1090	< 2	5	6	48	0.14	< 10	< 10	62	15	107

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
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PHONE (604) 984-0221

To : TERRANE RESOURCE MANAGEMENT INC.

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : 8803 HAIDA
Comments:

Date : 7-NOV-88
Invoice # : I-8826472
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826472

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
8813 115.0-116.	205	238	< 5	1.99	0.6	30	10	< 0.5	< 2	4.63	< 0.5	31	89	699	4.32	< 10	< 1	0.04	< 10	1.12	686
8813 116.0-117.	205	238	< 5	1.71	< 0.2	30	10	< 0.5	< 2	7.46	< 0.5	17	76	228	3.25	< 10	< 1	0.10	< 10	1.90	893
8813 117.0-118.	205	238	< 5	1.42	0.4	25	< 10	< 0.5	< 2	5.72	0.5	13	67	508	3.08	< 10	< 1	0.01	< 10	0.77	423
8813 118.0-119.	205	238	< 5	1.59	< 0.2	75	< 10	< 0.5	< 2	4.80	< 0.5	7	60	50	1.82	< 10	< 1	0.02	< 10	0.83	395
8813 119.0-120.	205	238	< 5	1.68	0.4	25	10	< 0.5	2	2.51	< 0.5	14	59	82	2.08	< 10	< 1	0.03	< 10	1.14	426
8813 120.0-121.	205	238	< 5	1.65	< 0.2	60	10	< 0.5	< 2	5.94	< 0.5	10	60	54	3.19	< 10	< 1	0.04	< 10	1.36	738
8813 121.0-122.	205	238	< 5	1.54	0.2	20	< 10	< 0.5	< 2	3.09	< 0.5	14	41	90	2.78	< 10	< 1	0.01	< 10	1.21	426
8813 122.0-123.	205	238	40	1.00	< 0.2	30	< 10	< 0.5	< 2	4.23	< 0.5	14	22	67	1.74	< 10	< 1	0.03	< 10	0.67	333
8813 123.0-124.	205	238	460	1.84	< 0.2	20	< 10	< 0.5	< 2	6.82	0.5	12	49	217	3.27	< 10	< 1	0.01	< 10	0.62	809
8813 124.0-125.	205	238	20	1.44	< 0.2	10	< 10	< 0.5	< 2	6.06	< 0.5	13	26	223	3.34	< 10	< 1	0.03	< 10	0.76	838
8813 125.0-126.	205	238	35	1.61	< 0.2	15	< 10	< 0.5	< 2	6.07	0.5	13	35	83	2.14	< 10	< 1	0.06	< 10	0.78	593
8813 126.0-127.	205	238	70	1.76	< 0.2	10	< 10	< 0.5	< 2	7.23	< 0.5	10	59	75	3.24	< 10	< 1	0.03	< 10	0.41	817
8813 127.0-128.	205	238	< 5	1.61	0.2	10	10	< 0.5	< 2	3.90	< 0.5	10	47	97	1.93	< 10	< 1	0.03	< 10	0.59	362
8813 128.0-129.	205	238	< 5	1.19	0.2	10	< 10	< 0.5	< 2	3.80	0.5	15	25	115	1.89	< 10	< 1	< 0.01	< 10	0.70	322
8813 129.0-130.	205	238	< 5	1.35	0.2	10	< 10	< 0.5	< 2	3.83	< 0.5	24	45	425	3.30	< 10	< 1	< 0.01	< 10	0.67	366
8813 130.0-130.	205	238	< 5	1.36	0.6	25	< 10	< 0.5	2	3.62	< 0.5	23	40	232	2.98	< 10	< 1	0.02	< 10	0.91	533
8813 130.7-132.	205	238	< 5	1.34	< 0.2	65	< 10	< 0.5	< 2	8.44	< 0.5	9	58	150	4.29	< 10	1	< 0.01	< 10	0.64	1125
8813 132.0-133.	205	238	< 5	1.18	0.2	20	< 10	< 0.5	< 2	4.24	< 0.5	13	43	110	1.88	< 10	< 1	0.03	< 10	0.53	433
8813 133.0-134.	205	238	< 5	1.57	< 0.2	20	< 10	< 0.5	< 2	4.79	< 0.5	24	38	187	4.01	< 10	< 1	0.03	< 10	0.86	992
8813 134.0-135.	205	238	20	1.39	< 0.2	15	< 10	< 0.5	< 2	5.65	< 0.5	18	48	235	3.75	< 10	< 1	0.02	< 10	0.76	861
8813 135.0-136.	205	238	75	1.60	< 0.2	35	< 10	< 0.5	< 2	6.18	< 0.5	23	50	247	4.64	< 10	< 1	< 0.01	< 10	1.07	1150
8813 136.0-137.	205	238	20	1.54	< 0.2	30	< 10	< 0.5	< 2	10.05	< 0.5	24	71	565	6.27	< 10	< 1	< 0.01	< 10	0.52	1795
8813 137.0-138.	205	238	25	1.71	< 0.2	25	< 10	< 0.5	< 2	11.10	< 0.5	19	65	305	6.30	< 10	< 1	< 0.01	< 10	0.63	1715
8813 138.0-139.	205	238	70	2.11	< 0.2	35	< 10	< 0.5	< 2	12.15	< 0.5	46	55	534	7.94	< 10	1	< 0.01	< 10	0.77	2010
8813 139.0-140.	205	238	145	2.00	< 0.2	40	< 10	< 0.5	< 2	9.56	< 0.5	20	42	123	7.32	< 10	< 1	0.01	< 10	1.20	1360
8813 140.0-141.	205	238	410	3.06	< 0.2	5	< 10	< 0.5	< 2	8.32	< 0.5	33	127	375	5.54	< 10	< 1	0.35	< 10	3.58	1110
8813 141.0-142.	205	238	155	1.58	1.0	15	< 10	< 0.5	< 2	10.00	< 0.5	26	84	200	6.41	< 10	1	0.09	< 10	1.24	1635
8813 142.0-142.	205	238	25	2.42	< 0.2	10	< 10	< 0.5	2	9.12	< 0.5	13	57	101	4.32	< 10	< 1	0.05	< 10	1.84	1070
8813 142.8-144.	205	238	15	2.18	< 0.2	10	< 10	< 0.5	< 2	7.65	< 0.5	14	66	165	4.40	< 10	< 1	0.01	< 10	0.89	1100
8813 144.0-145.	205	238	50	2.08	< 0.2	25	< 10	< 0.5	< 2	9.19	< 0.5	18	85	481	6.37	< 10	< 1	0.01	< 10	0.88	1435
8813 145.0-146.	205	238	20	1.64	< 0.2	15	10	< 0.5	< 2	5.19	< 0.5	14	32	229	2.73	< 10	< 1	0.04	< 10	0.85	662
8813 146.0-147.	205	238	20	2.01	< 0.2	25	10	< 0.5	< 2	7.01	< 0.5	14	58	203	3.84	< 10	< 1	0.05	< 10	0.67	989
8813 147.0-148.	205	238	35	1.96	< 0.2	35	< 10	< 0.5	< 2	9.68	< 0.5	24	50	226	6.56	< 10	< 1	< 0.01	< 10	0.65	1660
8813 148.0-149.	205	238	< 5	1.17	< 0.2	10	10	< 0.5	2	4.39	< 0.5	7	39	61	2.93	< 10	< 1	0.03	< 10	0.57	744
8813 149.0-150.	205	238	20	2.00	< 0.2	45	< 10	< 0.5	< 2	11.00	< 0.5	11	60	244	6.56	< 10	< 1	0.01	< 10	0.48	1580
8813 150.0-151.	205	238	10	1.52	< 0.2	15	20	< 0.5	< 2	5.12	< 0.5	14	51	87	3.85	< 10	< 1	0.04	< 10	0.92	765
8813 151.0-152.	205	238	35	1.98	0.6	10	50	< 0.5	< 2	1.34	< 0.5	41	34	401	4.60	< 10	< 1	0.17	10	1.70	466
8813 152.0-152.	205	238	55	1.29	0.6	15	50	< 0.5	2	1.22	< 0.5	50	18	446	4.13	< 10	< 1	0.18	10	0.93	281
8813 152.8-153.	205	238	45	1.05	0.4	15	20	< 0.5	4	1.19	< 0.5	27	139	324	2.67	< 10	< 1	0.10	10	1.07	264

CERTIFICATION : B. Caglioni

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

To : TERRANE RESOURCE MANAGEMENT INC.
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5
Project : 8803 HAIDA
Comments:

Date : 7-NOV-88
Invoice # : I-8826472
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826472

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
8813 115.0-116.	205	238	5	0.02	47	1110	2	< 5	6	66	0.17	10	< 10	64	< 5	75
8813 116.0-117.	205	238	< 1	0.02	32	2250	4	< 5	9	136	0.09	10	10	74	< 5	65
8813 117.0-118.	205	238	3	0.02	31	2250	< 2	< 5	4	61	0.16	< 10	< 10	83	< 5	75
8813 118.0-119.	205	238	1	0.02	17	>10000	< 2	< 5	3	58	0.07	< 10	< 10	54	< 5	40
8813 119.0-120.	205	238	1	0.02	27	1150	< 2	< 5	4	58	0.15	< 10	< 10	55	< 5	56
8813 120.0-121.	205	238	1	0.02	18	3450	< 2	< 5	5	66	0.12	10	< 10	87	< 5	38
8813 121.0-122.	205	238	2	0.02	11	1290	< 2	< 5	4	63	0.16	< 10	10	54	< 5	51
8813 122.0-123.	205	238	2	0.01	7	870	2	< 5	4	46	0.10	< 10	< 10	48	< 5	51
8813 123.0-124.	205	238	19	0.03	6	1170	< 2	< 5	4	43	0.15	< 10	< 10	85	< 5	72
8813 124.0-125.	205	238	4	0.02	7	810	< 2	< 5	5	45	0.11	10	20	77	< 5	60
8813 125.0-126.	205	238	3	0.03	9	1600	< 2	< 5	4	93	0.18	10	10	62	< 5	70
8813 126.0-127.	205	238	3	0.03	6	1200	< 2	< 5	6	37	0.18	20	10	113	5	51
8813 127.0-128.	205	238	2	0.04	6	750	< 2	< 5	3	86	0.21	10	10	63	< 5	41
8813 128.0-129.	205	238	2	0.02	11	1800	< 2	< 5	3	66	0.11	10	10	43	< 5	84
8813 129.0-130.	205	238	4	0.03	18	1570	< 2	< 5	4	71	0.19	< 10	< 10	64	5	74
8813 130.0-130.	205	238	3	0.02	26	1580	< 2	< 5	4	71	0.13	20	20	89	< 5	73
8813 130.7-132.	205	238	18	0.02	31	1820	< 2	< 5	4	42	0.13	10	10	261	< 5	73
8813 132.0-133.	205	238	3	0.03	12	980	< 2	< 5	3	66	0.18	20	30	74	5	53
8813 133.0-134.	205	238	3	0.02	26	1220	< 2	< 5	3	24	0.15	10	10	127	< 5	57
8813 134.0-135.	205	238	4	0.02	26	1310	2	< 5	3	49	0.16	20	20	145	< 5	57
8813 135.0-136.	205	238	14	0.02	57	1550	< 2	< 5	5	43	0.14	< 10	< 10	402	5	67
8813 136.0-137.	205	238	28	0.01	50	2030	4	< 5	5	27	0.11	10	< 10	335	10	50
8813 137.0-138.	205	238	19	0.01	39	1590	< 2	< 5	7	45	0.13	10	< 10	405	10	41
8813 138.0-139.	205	238	12	0.01	63	1620	2	5	5	55	0.11	10	< 10	276	10	61
8813 139.0-140.	205	238	25	0.02	27	1450	< 2	5	6	43	0.13	20	10	228	15	54
8813 140.0-141.	205	238	1	0.02	50	610	2	< 5	32	84	0.06	10	< 10	224	5	72
8813 141.0-142.	205	238	64	0.02	51	750	12	5	21	73	< 0.01	10	< 10	162	15	82
8813 142.0-142.	205	238	1	0.03	22	940	< 2	5	12	78	0.21	< 10	< 10	179	< 5	66
8813 142.8-144.	205	238	< 1	0.02	27	1110	< 2	< 5	6	25	0.20	20	10	203	< 5	53
8813 144.0-145.	205	238	5	0.02	36	1240	< 2	< 5	6	25	0.16	20	10	216	10	73
8813 145.0-146.	205	238	3	0.03	20	1410	10	5	4	69	0.17	< 10	< 10	78	< 5	67
8813 146.0-147.	205	238	9	0.02	22	1580	2	< 5	4	32	0.13	10	< 10	181	5	58
8813 147.0-148.	205	238	3	0.02	30	1000	< 2	< 5	5	34	0.10	20	< 10	197	10	44
8813 148.0-149.	205	238	5	0.02	18	990	2	< 5	2	33	0.09	< 10	< 10	73	< 5	26
8813 149.0-150.	205	238	4	0.01	41	1610	4	< 5	3	27	0.06	20	10	137	15	37
8813 150.0-151.	205	238	46	0.03	69	930	2	< 5	2	34	0.17	10	< 10	84	< 5	36
8813 151.0-152.	205	238	3	0.05	27	1630	2	< 5	2	74	0.26	30	20	70	5	43
8813 152.0-152.	205	238	3	0.05	16	1070	6	< 5	1	69	0.15	20	10	38	< 5	31
8813 152.8-153.	205	238	17	0.03	80	1520	4	< 5	3	33	0.09	20	10	53	10	58

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: TERRA RESOURCE MANAGEMENT LTD.

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : 8803 HAIDA
Comments: ATTN: C.J WESTERMAN

Date : 9-NOV-88
Invoice # : I-8826853
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826853

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
88-14 0-2.7	205	238	10	1.26	0.6	85	50	< 0.5	< 2	1.50	< 0.5	29	192	371	3.43	10	< 1	0.04	10	1.00	257
88-14 2.7-3.7	205	238	5	0.83	0.4	50	70	< 0.5	< 2	1.96	< 0.5	11	76	89	1.53	10	< 1	0.07	10	0.62	209
88-14 3.7-5.0	205	238	< 5	1.08	< 0.2	55	60	< 0.5	< 2	3.78	< 0.5	12	58	84	1.69	< 10	< 1	0.06	< 10	0.70	442
88-14 5.0-6.0	205	238	< 5	1.40	< 0.2	35	20	< 0.5	< 2	4.61	< 0.5	7	46	20	1.77	< 10	< 1	0.05	< 10	0.42	832
88-14 6.0-7.0	205	238	< 5	2.13	< 0.2	15	< 10	< 0.5	< 2	7.64	< 0.5	5	69	26	3.16	< 10	< 1	0.01	< 10	0.60	1560
88-14 7.0-8.0	205	238	< 5	1.79	< 0.2	25	10	< 0.5	< 2	8.41	< 0.5	11	47	31	3.12	< 10	< 1	0.01	< 10	0.82	1240
88-14 8.0-9.0	205	238	< 5	1.96	< 0.2	50	10	< 0.5	< 2	8.12	< 0.5	11	51	78	2.77	< 10	< 1	0.01	< 10	0.78	1345
88-14 9.0-10.0	205	238	10	2.02	< 0.2	235	10	< 0.5	< 2	7.69	< 0.5	57	42	416	6.01	< 10	< 1	0.01	< 10	0.74	1460
88-14 10.0-11.0	205	238	5	2.54	< 0.2	60	20	0.5	< 2	10.30	< 0.5	21	47	138	5.21	< 10	< 1	0.04	< 10	1.46	1610
88-14 11.0-12.0	205	238	< 5	2.05	< 0.2	30	< 10	0.5	< 2	6.52	< 0.5	14	36	69	3.68	< 10	< 1	< 0.01	< 10	0.79	1090
88-14 12.0-13.0	205	238	< 5	2.20	< 0.2	15	10	0.5	< 2	6.78	< 0.5	12	32	89	4.46	< 10	< 1	< 0.01	< 10	0.69	1395
88-14 13.0-14.0	205	238	35	2.35	0.8	45	160	< 0.5	< 2	5.80	< 0.5	29	48	309	>15.00	20	< 1	0.19	< 10	0.73	1275
88-14 14.0-15.0	205	238	30	1.69	1.2	95	30	0.5	< 2	6.42	< 0.5	69	53	729	>15.00	20	< 1	0.01	< 10	0.29	1155
88-14 15.0-16.0	205	238	25	2.13	< 0.2	125	20	1.0	< 2	10.50	< 0.5	97	80	964	9.40	< 10	< 1	< 0.01	< 10	0.27	1875
88-14 16.0-17.0	205	238	< 5	1.93	< 0.2	50	< 10	1.0	< 2	11.40	< 0.5	27	94	172	6.36	< 10	< 1	< 0.01	< 10	0.52	1835
88-14 17.0-18.0	205	238	< 5	2.00	< 0.2	40	< 10	1.5	< 2	12.15	< 0.5	9	92	81	6.20	< 10	< 1	< 0.01	< 10	0.43	1970
88-14 18.0-19.0	205	238	< 5	1.89	< 0.2	55	< 10	< 0.5	< 2	11.70	< 0.5	10	99	62	5.44	< 10	< 1	< 0.01	< 10	0.55	1840
88-14 19.0-20.0	205	238	< 5	2.20	< 0.2	25	< 10	0.5	< 2	9.74	< 0.5	10	111	51	4.26	< 10	< 1	< 0.01	< 10	0.76	1665
88-14 20.0-21.0	205	238	15	2.52	< 0.2	15	< 10	< 0.5	< 2	13.15	< 0.5	15	107	115	6.00	< 10	< 1	< 0.01	< 10	1.14	2530
88-14 21.0-22.0	205	238	10	2.37	< 0.2	40	< 10	< 0.5	< 2	10.65	< 0.5	16	97	216	4.65	< 10	< 1	< 0.01	< 10	1.35	2090
88-14 22.0-23.0	205	238	< 5	2.47	< 0.2	20	< 10	< 0.5	< 2	13.00	< 0.5	6	105	60	6.13	< 10	< 1	< 0.01	< 10	0.52	2350
88-14 23.0-24.0	205	238	< 5	2.07	< 0.2	10	< 10	< 0.5	< 2	9.33	< 0.5	11	95	44	3.68	< 10	< 1	< 0.01	< 10	0.69	1660
88-14 24.0-25.0	205	238	< 5	2.18	< 0.2	20	< 10	< 0.5	< 2	10.60	< 0.5	14	92	55	5.15	< 10	< 1	< 0.01	< 10	0.74	2120
88-14 25.0-26.0	205	238	< 5	1.88	< 0.2	25	< 10	< 0.5	< 2	8.36	< 0.5	9	84	47	3.55	< 10	< 1	< 0.01	< 10	0.73	1630
88-14 26.0-27.0	205	238	< 5	1.76	< 0.2	25	< 10	< 0.5	< 2	10.10	< 0.5	17	67	105	4.98	< 10	< 1	< 0.01	< 10	0.83	1940
88-14 27.0-28.0	205	238	< 5	1.36	0.2	20	40	< 0.5	2	3.31	< 0.5	13	93	30	1.61	< 10	< 1	0.11	< 10	1.02	565
88-14 28.0-29.0	205	238	< 5	1.57	< 0.2	15	30	< 0.5	2	2.55	< 0.5	18	116	60	2.43	< 10	< 1	0.09	< 10	1.35	576
88-14 29.0-30.0	205	238	< 5	2.28	< 0.2	20	40	< 0.5	2	4.95	< 0.5	25	180	68	3.88	< 10	< 1	0.03	< 10	2.17	825
88-14 30.0-31.0	205	238	< 5	2.29	0.2	25	40	< 0.5	4	1.91	< 0.5	26	179	81	3.84	< 10	< 1	0.08	10	1.97	555
88-14 31.0-32.0	205	238	< 5	2.33	0.2	35	90	< 0.5	2	3.03	< 0.5	29	167	110	3.58	< 10	< 1	0.09	< 10	1.87	625
88-14 32.0-33.0	205	238	20	1.97	< 0.2	45	30	< 0.5	4	11.20	< 0.5	21	144	91	4.42	< 10	< 1	0.09	< 10	1.79	1275
88-14 33.0-34.0	205	238	20	2.68	0.2	60	40	< 0.5	2	6.57	< 0.5	18	116	244	9.04	< 10	< 1	0.06	< 10	2.24	1645
88-14 34.0-35.0	205	238	< 5	2.65	< 0.2	35	20	< 0.5	< 2	13.95	< 0.5	9	116	57	6.54	< 10	< 1	0.01	< 10	0.72	2490
88-14 35.0-36.0	205	238	< 5	2.44	< 0.2	45	< 10	< 0.5	< 2	14.85	< 0.5	5	104	19	7.05	< 10	< 1	< 0.01	< 10	0.55	2620
88-14 36.0-37.0	205	238	< 5	2.45	< 0.2	40	< 10	< 0.5	< 2	14.10	< 0.5	8	98	5	6.12	< 10	< 1	< 0.01	< 10	0.61	2470
88-14 37.0-38.0	205	238	< 5	2.57	< 0.2	30	40	< 0.5	< 2	>15.00	< 0.5	10	147	14	6.90	< 10	< 1	0.01	< 10	1.04	2860
88-14 38.0-39.0	205	238	25	2.18	< 0.2	20	20	< 0.5	< 2	12.85	0.5	17	89	223	5.55	< 10	< 1	< 0.01	< 10	1.02	2000
88-14 39.0-40.0	205	238	80	2.73	< 0.2	50	20	< 0.5	< 2	11.05	< 0.5	14	110	238	8.67	< 10	< 1	0.02	< 10	1.57	2330
88-14 40.0-41.0	205	238	90	2.34	< 0.2	25	20	< 0.5	< 2	11.25	< 0.5	12	161	111	6.94	< 10	< 1	< 0.01	< 10	0.93	2320
88-14 41.0-42.0	205	238	< 5	1.93	< 0.2	15	< 10	< 0.5	< 2	8.89	< 0.5	5	82	90	3.44	< 10	< 1	< 0.01	< 10	0.58	1510

CERTIFICATION : B. Caplin

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

...TERRA... RESOURCE MANAGEMENT ...
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5
Project : 8803 HAIDA
Comments: ATTN: C.J. WESTERMAN

Date : 9-NOV-88
Invoice # : I-8826853
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826853

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
88-14 0-2.7	205	238	3	0.04	148	2100	4	< 5	3	45	0.22	< 10	< 10	90	< 5	46
88-14 2.7-3.7	205	238	< 1	0.03	56	2010	4	< 5	3	58	0.14	< 10	< 10	53	< 5	55
88-14 3.7-5.0	205	238	< 1	0.03	45	2320	< 2	< 5	4	71	0.13	< 10	< 10	65	< 5	62
88-14 5.0-6.0	205	238	< 1	0.02	17	2130	< 2	< 5	3	39	0.09	< 10	< 10	46	< 5	38
88-14 6.0-7.0	205	238	< 1	0.01	9	910	< 2	< 5	4	24	0.06	10	< 10	58	< 5	36
88-14 7.0-8.0	205	238	< 1	0.01	14	2760	< 2	< 5	6	41	0.11	< 10	< 10	75	< 5	52
88-14 8.0-9.0	205	238	< 1	0.01	16	1510	< 2	< 5	4	37	0.07	< 10	< 10	54	< 5	40
88-14 9.0-10.0	205	238	< 1	0.01	61	1010	< 2	5	2	23	0.04	10	< 10	54	5	50
88-14 10.0-11.0	205	238	1	0.01	26	1290	< 2	5	8	119	0.14	< 10	< 10	99	5	66
88-14 11.0-12.0	205	238	1	0.01	13	1720	< 2	5	6	41	0.15	< 10	< 10	74	< 5	46
88-14 12.0-13.0	205	238	< 1	0.01	17	190	< 2	5	2	13	0.04	< 10	< 10	53	10	49
88-14 13.0-14.0	205	238	4	0.06	32	1390	< 2	10	6	37	0.09	30	< 10	186	———	79
88-14 14.0-15.0	205	238	< 1	0.01	69	2240	< 2	10	5	13	0.06	30	< 10	262	———	62
88-14 15.0-16.0	205	238	< 1	0.01	75	1520	< 2	5	6	8	0.07	20	< 10	170	10	53
88-14 16.0-17.0	205	238	< 1	0.01	18	2080	< 2	< 5	8	24	0.07	10	< 10	116	5	36
88-14 17.0-18.0	205	238	< 1	0.01	21	1510	< 2	< 5	7	14	0.06	10	< 10	104	15	35
88-14 18.0-19.0	205	238	< 1	0.01	18	1400	2	5	6	23	0.06	< 10	< 10	80	15	40
88-14 19.0-20.0	205	238	< 1	0.01	16	1230	< 2	5	8	15	0.10	10	< 10	68	< 5	55
88-14 20.0-21.0	205	238	< 1	0.01	28	1350	4	< 5	9	19	0.10	< 10	< 10	82	10	67
88-14 21.0-22.0	205	238	< 1	0.01	31	1230	< 2	< 5	8	18	0.10	< 10	< 10	81	5	59
88-14 22.0-23.0	205	238	18	0.01	12	1240	< 2	< 5	9	21	0.07	< 10	< 10	80	15	36
88-14 23.0-24.0	205	238	4	0.01	17	1370	2	< 5	8	21	0.10	< 10	< 10	73	10	48
88-14 24.0-25.0	205	238	3	0.01	26	1460	< 2	< 5	7	20	0.10	< 10	< 10	102	10	54
88-14 25.0-26.0	205	238	< 1	0.01	24	1690	2	< 5	6	22	0.09	< 10	< 10	66	10	49
88-14 26.0-27.0	205	238	< 1	0.01	35	1600	< 2	< 5	6	27	0.07	< 10	< 10	78	15	62
88-14 27.0-28.0	205	238	< 1	0.03	49	1890	6	< 5	2	83	0.13	< 10	< 10	61	< 5	40
88-14 28.0-29.0	205	238	< 1	0.03	61	1850	2	< 5	4	66	0.19	< 10	< 10	91	5	57
88-14 29.0-30.0	205	238	< 1	0.04	79	1790	< 2	< 5	6	127	0.29	10	< 10	127	< 5	78
88-14 30.0-31.0	205	238	< 1	0.04	81	1920	6	< 5	3	98	0.32	< 10	< 10	130	< 5	74
88-14 31.0-32.0	205	238	< 1	0.03	78	1830	< 2	< 5	5	208	0.27	10	< 10	138	5	71
88-14 32.0-33.0	205	238	< 1	0.03	36	1510	6	< 5	6	177	0.16	< 10	< 10	119	5	53
88-14 33.0-34.0	205	238	< 1	0.02	25	3160	< 2	< 5	8	84	0.11	30	< 10	159	15	58
88-14 34.0-35.0	205	238	< 1	0.02	17	2240	< 2	< 5	9	60	0.09	20	< 10	147	15	38
88-14 35.0-36.0	205	238	< 1	0.01	7	2080	< 2	5	8	33	0.08	10	< 10	148	5	32
88-14 36.0-37.0	205	238	< 1	0.01	11	2560	< 2	5	8	32	0.09	< 10	< 10	127	5	40
88-14 37.0-38.0	205	238	< 1	0.01	14	1830	< 2	5	9	104	0.12	< 10	< 10	190	< 5	57
88-14 38.0-39.0	205	238	< 1	0.01	43	1350	< 2	< 5	6	70	0.09	< 10	< 10	107	< 5	56
88-14 39.0-40.0	205	238	< 1	0.02	25	1310	2	5	8	81	0.11	< 10	< 10	273	< 5	63
88-14 40.0-41.0	205	238	< 1	0.01	18	1280	< 2	5	8	27	0.11	< 10	< 10	272	< 5	55
88-14 41.0-42.0	205	238	< 1	0.01	19	1640	< 2	< 5	5	26	0.07	< 10	< 10	56	< 5	47

CERTIFICATION : B. Caglione

Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

TO: TERRANE RESOURCE MANAGEMENT INC.

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : 8803 HAIDA
Comments: ATTN: C.J. WESTERMAN

Date : 9-NOV-88
Invoice # : I-8826853
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826853

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
88-14 42.0-43.0	205	238	< 5	2.16	< 0.2	25	90	0.5	< 2	10.90	< 0.5	7	133	73	4.08	< 10	< 1	0.03	< 10	0.94	2170
88-14 43.0-44.0	205	238	60	1.45	< 0.2	30	60	0.5	< 2	9.89	< 0.5	13	117	99	5.84	< 10	< 1	0.02	< 10	0.68	2440
88-14 44.0-45.0	205	238	10	0.99	< 0.2	40	30	0.5	2	4.53	< 0.5	9	80	95	2.18	< 10	< 1	0.03	< 10	0.70	743
88-14 45.0-46.0	205	238	5	1.58	< 0.2	45	10	< 0.5	< 2	6.68	< 0.5	9	72	87	2.26	< 10	< 1	< 0.01	< 10	0.53	809
88-14 46.0-47.0	205	238	< 5	2.42	< 0.2	20	< 10	< 0.5	< 2	12.10	< 0.5	3	84	< 1	5.15	< 10	< 1	< 0.01	< 10	0.41	2150
88-14 47.0-48.0	205	238	< 5	1.72	< 0.2	15	10	< 0.5	< 2	6.38	< 0.5	3	81	16	2.36	< 10	< 1	0.04	< 10	0.44	1095
88-14 48.0-49.0	205	238	< 5	1.71	0.4	10	20	< 0.5	< 2	3.40	< 0.5	7	71	33	1.17	< 10	< 1	0.05	< 10	0.61	462
88-14 49.0-50.0	205	238	< 5	1.69	0.6	10	40	< 0.5	< 2	2.77	< 0.5	9	100	71	1.52	10	< 1	0.09	< 10	0.88	485
88-14 50.0-51.0	205	238	< 5	1.23	< 0.2	15	20	< 0.5	< 2	4.69	< 0.5	4	68	2	1.77	< 10	< 1	0.04	< 10	0.57	786
88-14 51.0-52.0	205	238	< 5	1.95	< 0.2	10	< 10	0.5	< 2	10.20	< 0.5	3	88	< 1	4.33	< 10	< 1	0.07	< 10	0.56	1640
88-14 52.0-53.0	205	238	< 5	2.08	< 0.2	30	< 10	< 0.5	< 2	11.20	< 0.5	3	71	2	4.76	< 10	< 1	< 0.01	< 10	0.31	1820
88-14 53.0-54.0	205	238	< 5	1.92	< 0.2	20	< 10	0.5	< 2	10.00	< 0.5	3	70	31	4.46	< 10	< 1	< 0.01	< 10	0.26	1745
88-14 54.0-55.0	205	238	< 5	2.23	< 0.2	20	< 10	< 0.5	< 2	10.90	< 0.5	3	84	< 1	4.65	< 10	< 1	< 0.01	< 10	0.46	1960
88-14 55.0-56.0	205	238	20	1.76	< 0.2	20	20	0.5	< 2	9.79	< 0.5	11	88	69	3.90	< 10	< 1	0.01	< 10	0.95	1720
88-14 56.0-57.0	205	238	10	2.38	< 0.2	15	10	< 0.5	< 2	11.50	< 0.5	7	111	23	5.11	< 10	< 1	< 0.01	< 10	0.55	2110
88-14 57.0-58.0	205	238	20	2.58	< 0.2	20	30	< 0.5	< 2	14.05	< 0.5	7	98	57	4.44	< 10	< 1	0.03	< 10	1.25	2300
88-14 58.0-59.0	205	238	15	2.42	< 0.2	15	30	< 0.5	< 2	13.35	< 0.5	7	106	65	6.07	< 10	< 1	< 0.01	< 10	0.59	2460
88-14 59.0-60.0	205	238	10	2.17	< 0.2	< 5	< 10	< 0.5	< 2	10.75	< 0.5	4	97	2	4.60	< 10	< 1	< 0.01	< 10	0.59	1950
88-14 60.0-61.0	205	238	15	1.95	< 0.2	25	10	< 0.5	< 2	9.62	< 0.5	4	74	16	4.33	< 10	< 1	< 0.01	< 10	0.50	1650
88-14 61.0-62.0	205	238	50	1.70	< 0.2	50	30	< 0.5	< 2	9.94	< 0.5	20	81	67	5.37	< 10	< 1	0.03	< 10	0.80	1930
88-14 62.0-63.0	205	238	< 5	2.21	< 0.2	15	30	< 0.5	< 2	11.95	< 0.5	4	94	27	5.38	< 10	< 1	0.02	< 10	0.69	1975
88-14 63.0-64.0	205	238	< 5	2.49	< 0.2	10	< 10	< 0.5	< 2	12.45	< 0.5	8	144	29	6.18	< 10	< 1	< 0.01	< 10	0.65	2380

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: TERRAIN RESOURCE MANAGEMENT INC.

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : 8803 HAIDA
Comments: ATTN: C.J. WESTERMAN

Date : 9-NOV-88
Invoice # : I-8826853
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826853

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
88-14 42.0-43.0	205	238	< 1	0.02	31	1800	< 2	< 5	8	107	0.11	< 10	< 10	95	< 5	64
88-14 43.0-44.0	205	238	< 1	0.02	36	2180	< 2	< 5	7	67	0.11	10	< 10	110	< 5	67
88-14 44.0-45.0	205	238	1	0.03	40	1460	< 2	< 5	5	91	0.17	< 10	< 10	73	< 5	70
88-14 45.0-46.0	205	238	< 1	0.02	35	1100	6	< 5	4	70	0.17	< 10	< 10	90	< 5	69
88-14 46.0-47.0	205	238	< 1	0.01	7	1030	< 2	< 5	8	24	0.09	10	< 10	125	< 5	25
88-14 47.0-48.0	205	238	< 1	0.02	9	1410	< 2	< 5	5	50	0.13	10	< 10	93	< 5	24
88-14 48.0-49.0	205	238	< 1	0.02	14	1570	< 2	< 5	4	96	0.15	< 10	< 10	61	< 5	40
88-14 49.0-50.0	205	238	< 1	0.02	30	1510	< 2	< 5	3	97	0.20	< 10	< 10	69	5	42
88-14 50.0-51.0	205	238	< 1	0.01	9	1340	< 2	< 5	4	59	0.12	< 10	< 10	59	< 5	26
88-14 51.0-52.0	205	238	< 1	0.01	12	1190	< 2	< 5	7	37	0.09	< 10	< 10	105	< 5	59
88-14 52.0-53.0	205	238	< 1	0.01	13	1380	< 2	5	6	22	0.07	< 10	< 10	102	5	25
88-14 53.0-54.0	205	238	< 1	0.01	10	1050	< 2	5	6	16	0.07	10	< 10	88	< 5	24
88-14 54.0-55.0	205	238	< 1	0.01	12	1570	< 2	5	7	22	0.10	< 10	< 10	104	< 5	29
88-14 55.0-56.0	205	238	< 1	0.02	28	1180	< 2	< 5	8	62	0.13	< 10	< 10	95	< 5	51
88-14 56.0-57.0	205	238	< 1	0.02	27	1350	< 2	< 5	8	35	0.12	10	< 10	95	< 5	50
88-14 57.0-58.0	205	238	< 1	0.01	37	1320	< 2	< 5	10	121	0.11	10	< 10	119	< 5	120
88-14 58.0-59.0	205	238	3	0.01	23	1180	< 2	< 5	7	39	0.08	10	< 10	87	< 5	45
88-14 59.0-60.0	205	238	4	0.01	20	1230	< 2	< 5	7	27	0.08	< 10	< 10	75	< 5	46
88-14 60.0-61.0	205	238	3	0.01	17	1270	2	< 5	6	26	0.07	< 10	< 10	67	< 5	32
88-14 61.0-62.0	205	238	2	0.02	51	1320	8	< 5	6	61	0.08	10	< 10	78	< 5	46
88-14 62.0-63.0	205	238	< 1	0.02	13	1370	< 2	< 5	7	74	0.10	< 10	< 10	84	< 5	54
88-14 63.0-64.0	205	238	8	0.01	26	1100	< 2	< 5	9	29	0.11	10	< 10	137	< 5	43

CERTIFICATION : B. Caplin

Chemex Labs Ltd.

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212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

ERR/ RESC MA MENT

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : 8803 HAIDA
Comments: ATTN: C.J. WESTERMAN

Page
Tot. Pages: 2
Date : 8-NOV-88
Invoice # : I-8826765
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826765

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
88-14 64.0-65.0	205	238	< 5	1.91	< 0.2	40	< 10	< 0.5	< 2	12.35	< 0.5	13	121	75	6.32	< 10	< 1	< 0.01	< 10	0.42	1905
88-14 65.0-66.0	205	238	< 5	2.16	< 0.2	25	< 10	< 0.5	< 2	12.30	< 0.5	6	128	44	6.33	< 10	< 1	< 0.01	< 10	0.30	1870
88-14 66.0-67.0	205	238	< 5	2.20	< 0.2	25	< 10	< 0.5	< 2	11.80	< 0.5	6	112	24	5.29	< 10	< 1	< 0.01	< 10	0.32	1915
88-14 67.0-68.0	205	238	5	1.84	< 0.2	30	< 10	< 0.5	< 2	8.97	< 0.5	2	100	19	3.78	< 10	1	< 0.01	< 10	0.27	1245
88-14 68.0-69.0	205	238	75	1.53	< 0.2	35	20	< 0.5	< 2	7.13	< 0.5	4	83	91	3.88	< 10	< 1	< 0.01	< 10	0.31	1065
88-14 69.0-70.0	205	238	10	1.79	< 0.2	25	50	< 0.5	< 2	9.05	< 0.5	2	127	8	3.96	< 10	< 1	0.01	< 10	0.36	1175
88-14 70.0-71.5	205	238	5	1.64	< 0.2	35	< 10	< 0.5	< 2	7.41	< 0.5	8	72	31	3.07	< 10	< 1	< 0.01	< 10	0.38	1255
88-14 71.5-73.1	205	238	155	1.09	0.8	10	40	< 0.5	< 2	3.66	< 0.5	9	52	470	3.03	< 10	< 1	0.06	< 10	0.71	632
88-14 73.1-74.0	205	238	< 5	2.32	< 0.2	30	< 10	< 0.5	< 2	10.65	< 0.5	6	125	59	4.36	< 10	< 1	< 0.01	< 10	0.59	1585
88-14 74.0-75.0	205	238	< 5	1.76	< 0.2	40	20	< 0.5	< 2	8.26	< 0.5	6	86	30	2.68	< 10	< 1	0.01	< 10	0.62	1240
88-14 75.0-76.0	205	238	< 5	2.16	< 0.2	15	230	< 0.5	< 2	13.25	< 0.5	3	200	15	5.68	< 10	< 1	0.14	< 10	0.75	2210
88-14 76.0-77.0	205	238	210	2.09	1.4	20	340	< 0.5	< 2	5.67	< 0.5	13	64	1710	7.16	< 10	< 1	0.18	< 10	1.12	1270
88-14 77.0-78.0	205	238	50	1.46	0.2	5	80	< 0.5	< 2	5.29	< 0.5	8	72	688	4.20	< 10	< 1	0.06	< 10	0.97	807
88-14 78.0-79.0	205	238	235	1.13	1.2	5	10	< 0.5	< 2	6.18	< 0.5	9	58	1900	3.60	< 10	< 1	0.05	< 10	0.73	738
88-14 79.0-80.0	205	238	70	1.58	< 0.2	15	70	< 0.5	< 2	7.82	< 0.5	5	55	320	5.96	< 10	< 1	0.04	< 10	0.93	1405
88-14 80.0-80.8	205	238	50	1.26	0.4	10	30	< 0.5	< 2	3.36	< 0.5	9	47	383	3.72	< 10	< 1	0.07	< 10	1.02	610
88-14 80.8-81.3	205	238	240	0.79	1.8	15	60	< 0.5	< 2	2.21	< 0.5	26	11	2070	6.23	< 10	< 1	0.07	< 10	0.60	437
88-14 81.3-82.3	205	238	10	1.56	< 0.2	20	< 10	0.5	< 2	8.86	< 0.5	6	35	88	5.78	< 10	< 1	< 0.01	< 10	0.59	1415
88-14 82.3-83.5	205	238	5	1.87	< 0.2	25	< 10	0.5	< 2	10.30	< 0.5	11	36	122	6.79	< 10	< 1	< 0.01	< 10	0.73	1815
88-14 83.3-83.5	205	238	245	1.58	< 0.2	35	200	0.5	< 2	6.47	< 0.5	18	12	703	>15.00	< 10	< 1	0.14	< 10	0.69	774
88-14 83.5-85.0	205	238	55	1.52	0.8	65	10	< 0.5	< 2	4.04	< 0.5	33	61	1030	3.98	< 10	< 1	0.02	< 10	1.17	640
88-14 85.0-86.0	205	238	20	1.17	0.2	30	< 10	< 0.5	< 2	2.94	< 0.5	35	45	322	4.50	< 10	< 1	0.02	< 10	0.72	656
88-14 86.0-87.0	205	238	10	1.30	0.2	40	10	< 0.5	< 2	4.58	< 0.5	22	62	172	3.56	< 10	< 1	0.03	< 10	0.74	877
88-14 87.0-88.0	205	238	10	1.22	0.4	55	10	< 0.5	< 2	2.85	< 0.5	34	49	282	3.27	< 10	< 1	0.02	< 10	1.06	474
88-14 88.0-89.0	205	238	5	1.66	< 0.2	65	20	< 0.5	< 2	5.09	< 0.5	40	59	437	4.48	< 10	< 1	0.01	< 10	1.27	969
88-14 89.0-90.0	205	238	25	1.90	< 0.2	35	10	< 0.5	< 2	11.85	< 0.5	21	64	149	7.46	< 10	< 1	< 0.01	< 10	0.98	2040
88-14 90.0-91.0	205	238	< 5	1.90	< 0.2	40	10	< 0.5	< 2	14.00	< 0.5	8	92	88	9.62	< 10	< 1	< 0.01	< 10	0.35	2400
88-14 91.0-92.0	205	238	35	1.61	< 0.2	45	< 10	< 0.5	< 2	10.40	< 0.5	15	59	46	6.57	< 10	< 1	< 0.01	< 10	0.43	1645
88-14 92.0-93.0	205	238	15	1.30	0.4	35	10	< 0.5	< 2	3.20	< 0.5	20	36	296	2.99	< 10	< 1	0.01	< 10	0.78	734
88-14 93.0-94.0	205	238	30	1.59	0.8	85	30	< 0.5	< 2	2.70	< 0.5	39	63	548	4.93	< 10	< 1	0.07	< 10	1.49	611
88-14 94.0-95.0	205	238	40	1.16	1.0	120	50	< 0.5	< 2	2.56	< 0.5	13	94	68	3.69	< 10	< 1	0.08	< 10	1.13	302
88-14 95.0-96.0	205	238	35	0.70	1.4	65	100	0.5	< 2	1.36	9.5	8	91	112	2.64	< 10	< 1	0.20	10	0.43	169
88-14 96.0-98.0	205	238	35	0.82	2.4	45	90	0.5	< 2	1.47	12.0	8	170	115	2.59	< 10	< 1	0.19	10	0.64	234
88-14 98.0-100.	205	238	70	0.92	2.6	85	90	< 0.5	< 2	1.77	12.5	8	202	118	2.73	< 10	< 1	0.15	10	0.81	275
88-14 100-102	205	238	55	0.94	1.8	140	60	< 0.5	< 2	1.17	14.5	9	212	84	2.61	< 10	< 1	0.10	10	0.93	245
88-14 102-104	205	238	60	1.19	1.0	60	60	0.5	< 2	1.07	0.5	15	210	91	3.06	< 10	< 1	0.09	< 10	1.19	223
88-14 104-106	205	238	100	1.75	0.8	45	50	1.0	< 2	1.11	1.0	17	107	157	4.77	< 10	< 1	0.11	< 10	1.67	255
88-14 106-108	205	238	110	1.82	1.0	30	60	1.0	< 2	1.23	0.5	17	129	130	4.79	< 10	< 1	0.15	10	1.64	218
88-14 108-110	205	238	70	1.70	0.2	35	60	0.5	< 2	1.67	< 0.5	18	43	102	4.55	< 10	< 1	0.12	< 10	1.29	269
88-14 110-112	205	238	65	1.47	0.4	75	50	0.5	< 2	1.69	< 0.5	16	27	84	4.51	< 10	< 1	0.11	< 10	1.04	308

CERTIFICATION : B. Caplin

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

TERRA RESOURCE MANAGEMENT LTD.
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5
Project : 8803 HAIDA
Comments: ATTN: C.J. WESTERMAN

Date : 8-NOV-88
Invoice # : I-8826765
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826765

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
88-14 64.0-65.0	205	238	3	0.01	29	1770	14	5	7	22	0.05	< 10	10	79	10	60
88-14 65.0-66.0	205	238	3	0.01	11	1110	16	< 5	7	14	0.04	< 10	< 10	74	5	47
88-14 66.0-67.0	205	238	< 1	0.01	9	1110	2	< 5	8	15	0.05	< 10	< 10	77	5	26
88-14 67.0-68.0	205	238	< 1	0.01	6	1830	8	< 5	6	14	0.05	< 10	< 10	72	5	30
88-14 68.0-69.0	205	238	1	0.01	9	2000	4	< 5	5	11	0.05	< 10	< 10	63	5	24
88-14 69.0-70.0	205	238	< 1	0.01	7	1520	6	< 5	6	23	0.04	< 10	< 10	71	5	21
88-14 70.0-71.5	205	238	< 1	0.01	22	1260	6	< 5	4	19	0.04	< 10	< 10	46	< 5	32
88-14 71.5-73.1	205	238	< 1	0.03	21	750	2	< 5	4	41	0.07	10	20	46	5	44
88-14 73.1-74.0	205	238	< 1	0.01	32	1310	< 2	5	9	19	0.07	< 10	10	81	10	39
88-14 74.0-75.0	205	238	< 1	0.01	34	1860	< 2	< 5	6	23	0.06	< 10	< 10	87	< 5	19
88-14 75.0-76.0	205	238	< 1	0.03	8	1320	4	< 5	15	68	0.10	< 10	< 10	188	10	26
88-14 76.0-77.0	205	238	< 1	0.06	32	1000	< 2	5	5	59	0.06	< 10	< 10	131	5	48
88-14 77.0-78.0	205	238	11	0.03	16	600	< 2	< 5	5	70	0.04	< 10	10	95	5	28
88-14 78.0-79.0	205	238	3	0.03	47	1000	< 2	< 5	4	59	0.04	10	10	76	5	29
88-14 79.0-80.0	205	238	7	0.02	17	470	< 2	< 5	5	40	0.06	< 10	< 10	396	5	28
88-14 80.0-80.8	205	238	< 1	0.04	47	400	< 2	< 5	4	29	0.06	< 10	10	148	< 5	27
88-14 80.8-81.3	205	238	< 1	0.04	107	340	< 2	5	1	20	0.02	< 10	10	70	< 5	32
88-14 81.3-82.3	205	238	15	0.01	16	380	< 2	5	5	32	0.06	< 10	10	134	5	27
88-14 82.3-83.5	205	238	8	0.01	37	370	< 2	< 5	6	36	0.05	< 10	< 10	135	5	36
88-14 83.3-83.5	205	238	42	0.05	80	1990	< 2	10	2	78	0.02	< 10	10	278	15	50
88-14 83.5-85.0	205	238	28	0.02	57	2360	< 2	< 5	4	63	0.06	< 10	< 10	77	5	56
88-14 85.0-86.0	205	238	32	0.02	79	830	< 2	< 5	3	38	0.11	< 10	10	102	< 5	47
88-14 86.0-87.0	205	238	34	0.02	58	650	< 2	< 5	3	56	0.13	< 10	10	124	< 5	32
88-14 87.0-88.0	205	238	70	0.02	88	560	< 2	< 5	2	56	0.09	< 10	< 10	78	< 5	40
88-14 88.0-89.0	205	238	50	0.02	79	520	< 2	< 5	5	95	0.08	< 10	< 10	107	< 5	45
88-14 89.0-90.0	205	238	20	0.01	47	190	< 2	< 5	6	89	0.07	< 10	< 10	217	10	32
88-14 90.0-91.0	205	238	< 1	0.01	28	880	< 2	5	8	23	0.03	< 10	10	316	10	19
88-14 91.0-92.0	205	238	2	0.01	12	860	< 2	< 5	5	21	0.04	< 10	< 10	236	5	19
88-14 92.0-93.0	205	238	2	0.02	32	740	< 2	< 5	4	58	0.14	< 10	< 10	92	< 5	45
88-14 93.0-94.0	205	238	45	0.02	72	1070	6	5	5	77	0.16	10	< 10	98	< 5	65
88-14 94.0-95.0	205	238	102	0.02	78	630	4	< 5	4	91	0.02	10	10	57	< 5	66
88-14 95.0-96.0	205	238	84	0.01	108	1790	8	< 5	2	31	< 0.01	10	10	73	< 5	538
88-14 96.0-98.0	205	238	66	0.01	115	2280	6	< 5	2	49	0.01	20	20	126	< 5	679
88-14 98.0-100.	205	238	118	0.01	148	2790	12	< 5	2	63	0.01	10	10	155	< 5	623
88-14 100-102	205	238	114	0.01	126	1100	4	< 5	4	37	0.13	10	20	255	< 5	585
88-14 102-104	205	238	35	0.02	89	810	< 2	< 5	4	36	0.18	10	10	269	< 5	103
88-14 104-106	205	238	9	0.02	55	1540	2	< 5	4	45	0.23	< 10	< 10	96	< 5	131
88-14 106-108	205	238	13	0.02	57	1860	< 2	< 5	5	48	0.25	< 10	10	121	< 5	87
88-14 108-110	205	238	3	0.02	22	1450	< 2	< 5	2	64	0.23	< 10	< 10	73	< 5	50
88-14 110-112	205	238	2	0.02	11	960	2	< 5	2	59	0.16	< 10	< 10	44	< 5	49

CERTIFICATION : M. Caglioni

Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-1C1

PHONE (604) 984-0221

ERR RES( ) MA MEN .

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : 8803 HAIDA
Comments: ATTN: C J. WESTERMAN

**Pa.. .. :
Tot. Pages: 2
Date : 8-NOV-88
Invoice # : I-8826765
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826765

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
88-14 112-114	205	238	80	1.87	0.4	35	60	0.5	< 2	1.45	< 0.5	19	17	71	4.21	10	< 1	0.18	10	1.67	416
88-14 114-116	205	238	65	1.66	0.4	30	50	0.5	< 2	2.48	< 0.5	13	109	90	3.72	< 10	< 1	0.15	10	1.56	295
88-14 116-118	205	238	55	0.90	1.2	20	80	0.5	< 2	1.58	0.5	11	125	117	2.81	< 10	< 1	0.16	10	0.59	268
88-14 118-120	205	238	85	0.62	1.0	20	90	0.5	< 2	2.25	0.5	9	58	94	2.28	< 10	< 1	0.09	10	0.32	222
88-14 120-122	205	238	70	0.57	1.6	40	30	0.5	2	4.07	1.0	10	86	77	2.60	< 10	< 1	0.05	< 10	1.05	504
88-14 122-124	205	238	20	0.76	0.6	50	30	0.5	< 2	3.00	< 0.5	14	96	76	2.87	< 10	< 1	0.12	< 10	1.22	393
88-14 124-126	205	238	15	0.67	0.8	45	30	< 0.5	< 2	2.79	0.5	14	117	61	2.84	< 10	< 1	0.03	< 10	1.61	381
88-14 126-128	205	238	120	2.46	1.2	30	40	< 0.5	< 2	2.98	< 0.5	26	106	133	6.01	< 10	< 1	0.13	10	2.49	646
88-14 128-130	205	238	120	2.41	1.2	50	40	< 0.5	< 2	3.28	< 0.5	27	90	135	5.97	< 10	< 1	0.16	10	2.38	682
88-14 130-132	205	238	35	1.18	0.4	15	70	< 0.5	< 2	3.04	< 0.5	10	115	61	2.27	< 10	< 1	0.13	10	1.26	363
88-14 132-134	205	238	30	1.53	0.8	25	60	< 0.5	< 2	1.08	< 0.5	13	129	86	3.16	< 10	< 1	0.19	10	1.52	265
88-14 134-136	205	238	45	2.54	0.4	5	30	< 0.5	< 2	3.19	< 0.5	21	148	86	4.27	< 10	< 1	0.09	< 10	2.80	633
88-14 136-138	205	238	20	2.24	0.4	20	30	< 0.5	< 2	2.91	< 0.5	25	135	84	3.92	< 10	< 1	0.09	< 10	2.36	548
88-14 138-140	205	238	45	1.21	0.8	5	50	< 0.5	< 2	1.29	0.5	16	90	99	3.49	< 10	< 1	0.13	10	1.25	325
88-14 140-142	205	238	60	1.51	1.0	5	80	< 0.5	< 2	1.30	0.5	21	94	109	3.83	< 10	< 1	0.19	10	1.33	325
88-14 142-144	205	238	10	0.79	0.4	10	30	< 0.5	< 2	0.67	< 0.5	9	129	71	1.98	< 10	< 1	0.09	10	0.81	133
88-14 144-146	205	238	10	0.84	0.2	5	40	< 0.5	2	0.76	< 0.5	7	129	61	1.74	< 10	< 1	0.12	10	0.85	135
88-14 146-147.8	205	238	75	1.34	0.6	30	50	< 0.5	< 2	1.21	0.5	32	47	142	4.32	< 10	< 1	0.15	< 10	1.13	246

CERTIFICATION : B. Caghlin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To : TERRANE RESOURCE MANAGEMENT INC.

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : 8803 HAIDA
Comments: ATTN: C.J. WESTERMAN

Date : 8-NOV-88
Invoice # : I-8826765
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826765

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
88-14 112-114	205	238	1	0.03	12	1010	< 2	5	3	47	0.20	< 10	< 10	79	< 5	52
88-14 114-116	205	238	10	0.02	82	2400	< 2	< 5	5	74	0.09	< 10	< 10	106	< 5	53
88-14 116-118	205	238	11	0.02	99	950	4	5	3	43	0.01	< 10	< 10	45	< 5	116
88-14 118-120	205	238	46	0.02	84	2910	4	< 5	4	54	< 0.01	< 10	< 10	23	< 5	132
88-14 120-122	205	238	233	0.02	93	690	46	5	8	113	< 0.01	< 10	< 10	22	< 5	220
88-14 122-124	205	238	26	0.02	120	500	8	< 5	8	108	< 0.01	< 10	< 10	32	< 5	85
88-14 124-126	205	238	96	0.03	128	680	36	< 5	9	192	< 0.01	10	10	30	10	117
88-14 126-128	205	238	8	0.02	66	2990	< 2	< 5	9	94	0.01	< 10	< 10	158	5	132
88-14 128-130	205	238	4	0.02	64	1330	< 2	5	9	86	0.03	< 10	< 10	145	5	138
88-14 130-132	205	238	7	0.02	74	350	4	< 5	4	103	0.04	< 10	< 10	34	5	109
88-14 132-134	205	238	4	0.02	103	930	< 2	< 5	3	31	0.01	< 10	< 10	46	5	119
88-14 134-136	205	238	< 1	0.02	52	580	< 2	< 5	15	63	0.21	10	10	112	5	108
88-14 136-138	205	238	1	0.05	50	700	< 2	< 5	9	65	0.17	< 10	10	86	5	70
88-14 138-140	205	238	2	0.02	63	600	4	< 5	4	34	0.17	< 10	< 10	57	< 5	113
88-14 140-142	205	238	< 1	0.02	61	610	6	< 5	4	44	0.20	< 10	< 10	72	5	97
88-14 142-144	205	238	< 1	0.02	55	210	2	< 5	3	13	0.07	< 10	< 10	32	< 5	61
88-14 144-146	205	238	< 1	0.02	49	210	< 2	< 5	3	17	0.04	< 10	< 10	33	< 5	53
88-14 146-147.8	205	238	< 1	0.02	41	990	< 2	< 5	2	38	0.22	< 10	< 10	58	5	99

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

[illegible] RESOURCE MANAGEMENT [illegible]

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : 8803 HAIDA
Comments: ATTN: C.J. WESTERMAN

Date : 8-NOV-88
Invoice # : I-8826660
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826660

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
8815 2.0-4.0	205	238	< 5	2.09	< 0.2	5	30	< 0.5	< 2	1.72	< 0.5	25	68	69	3.83	< 10	< 1	0.08	20	1.49	408
8815 4.0-6.0	205	238	15	2.78	< 0.2	30	50	< 0.5	< 2	2.77	< 0.5	27	71	145	4.48	< 10	< 1	0.12	20	2.20	525
8815 6.0-8.0	205	238	< 5	2.41	< 0.2	40	30	< 0.5	< 2	1.88	< 0.5	31	40	121	4.21	< 10	1	0.06	20	1.45	409
8815 8.0-10.0	205	238	10	2.53	< 0.2	5	50	< 0.5	< 2	1.85	< 0.5	26	63	68	3.94	< 10	< 1	0.09	20	1.64	427
8815 10.0-12.0	205	238	< 5	2.03	< 0.2	15	60	< 0.5	< 2	2.55	< 0.5	28	69	181	3.52	< 10	< 1	0.11	20	1.55	349
8815 12.0-14.0	205	238	< 5	2.49	< 0.2	35	70	< 0.5	< 2	2.49	< 0.5	27	68	126	3.99	< 10	< 1	0.14	20	1.95	460
8815 14.0-16.0	205	238	< 5	2.31	< 0.2	65	60	< 0.5	< 2	2.49	< 0.5	32	34	148	4.01	< 10	< 1	0.09	20	1.73	386
8815 16.0-18.0	205	238	< 5	2.27	< 0.2	35	60	< 0.5	< 2	1.86	< 0.5	26	54	102	3.75	< 10	< 1	0.10	20	1.80	445
8815 18.0-20.0	205	238	< 5	1.62	< 0.2	25	60	< 0.5	4	1.60	< 0.5	25	57	123	2.68	< 10	< 1	0.11	20	1.01	246
8815 20.0-22.0	205	238	< 5	2.08	< 0.2	15	90	< 0.5	< 2	2.53	< 0.5	24	52	105	3.38	< 10	< 1	0.16	20	1.58	449
8815 22.0-23.0	205	238	15	2.08	< 0.2	40	20	< 0.5	< 2	2.74	< 0.5	25	35	69	4.29	10	< 1	0.05	10	1.67	644
8815 23.0-24.0	205	238	< 5	2.24	0.4	35	20	< 0.5	< 2	2.25	< 0.5	50	43	692	5.06	10	< 1	0.06	30	1.82	605
8815 24.0-25.0	205	238	< 5	2.42	< 0.2	20	40	0.5	< 2	4.59	< 0.5	27	55	190	2.79	< 10	< 1	0.10	< 10	1.69	528
8815 25.0-26.0	205	238	< 5	1.76	< 0.2	20	60	< 0.5	< 2	2.45	< 0.5	19	60	113	1.88	< 10	< 1	0.15	20	0.98	292
8815 26.0-27.0	205	238	< 5	1.47	< 0.2	25	40	< 0.5	< 2	1.84	< 0.5	31	41	344	3.56	10	< 1	0.10	20	0.49	136
8815 27.0-28.0	205	238	< 5	2.05	< 0.2	20	60	< 0.5	< 2	2.54	< 0.5	18	52	109	2.41	< 10	< 1	0.12	10	0.67	187
8815 28.0-29.0	205	238	< 5	1.70	< 0.2	25	50	< 0.5	< 2	3.28	< 0.5	44	71	374	4.06	< 10	< 1	0.11	10	1.06	381
8815 29.0-30.6	205	238	< 5	1.71	< 0.2	60	60	< 0.5	< 2	2.85	< 0.5	31	85	161	2.79	< 10	< 1	0.13	20	1.40	437
8815 30.6-31.6	205	238	< 5	1.67	< 0.2	25	40	< 0.5	< 2	3.88	< 0.5	52	49	1310	4.45	10	< 1	0.10	40	0.89	703
8815 31.6-33.0	205	238	< 5	2.15	< 0.2	25	70	< 0.5	< 2	3.35	< 0.5	18	53	103	1.49	< 10	< 1	0.14	10	0.93	242
8815 33.0-34.0	205	238	< 5	2.05	< 0.2	60	100	< 0.5	< 2	1.92	< 0.5	32	80	194	3.84	10	1	0.15	20	1.64	261
8815 34.0-35.0	205	238	< 5	1.61	< 0.2	25	70	< 0.5	< 2	1.70	< 0.5	26	76	222	2.38	< 10	< 1	0.12	20	1.19	218
8815 35.0-36.5	205	238	< 5	1.49	< 0.2	20	60	< 0.5	< 2	3.13	< 0.5	27	66	292	3.67	< 10	< 1	0.11	20	0.91	427
8815 36.5-38.5	205	238	< 5	2.12	< 0.2	35	< 10	< 0.5	< 2	8.55	< 0.5	6	85	34	4.07	< 10	< 1	< 0.01	< 10	0.55	1505
8815 38.5-39.5	205	238	< 5	2.26	< 0.2	50	< 10	< 0.5	< 2	8.36	< 0.5	8	137	8	2.60	< 10	1	< 0.01	< 10	0.64	1295
8815 39.5-41.5	205	238	< 5	1.65	< 0.2	50	20	< 0.5	< 2	4.64	< 0.5	44	74	424	4.04	< 10	< 1	0.03	10	1.19	723
8815 41.5-43.5	205	238	< 5	3.13	< 0.2	45	10	< 0.5	< 2	8.60	< 0.5	13	149	229	2.61	< 10	< 1	0.01	< 10	0.58	1400
8815 43.5-45.5	205	238	< 5	3.75	< 0.2	10	< 10	< 0.5	< 2	9.31	< 0.5	3	122	13	3.33	< 10	< 1	0.01	< 10	0.61	2650
8815 45.5-47.5	205	238	< 5	2.42	< 0.2	20	< 10	< 0.5	< 2	6.78	< 0.5	18	108	164	3.23	< 10	< 1	< 0.01	< 10	0.60	1430
8815 47.5-48.3	205	238	< 5	1.78	< 0.2	35	< 10	< 0.5	< 2	5.08	< 0.5	17	68	167	2.74	< 10	< 1	< 0.01	< 10	0.55	1085
8815 48.6-49.3	205	238	< 5	3.34	< 0.2	< 5	< 10	< 0.5	< 2	9.42	< 0.5	5	117	49	3.36	< 10	3	< 0.01	< 10	0.48	2030
8815 49.3-51.0	205	238	< 5	2.11	< 0.2	90	20	0.5	< 2	7.55	< 0.5	52	97	413	8.54	< 10	< 1	0.01	< 10	0.75	1700
8815 51.0-52.0	205	238	< 5	1.98	< 0.2	35	20	< 0.5	< 2	9.90	< 0.5	8	90	66	3.33	< 10	< 1	0.01	< 10	0.60	1670
8815 52.0-53.0	205	238	175	1.43	< 0.2	30	120	0.5	< 2	8.27	< 0.5	54	59	531	8.06	< 10	< 1	0.09	< 10	0.62	1385
8815 53.0-54.0	205	238	< 5	2.60	< 0.2	35	< 10	< 0.5	< 2	9.10	< 0.5	4	115	7	3.39	< 10	< 1	< 0.01	< 10	0.41	1580
8815 54.0-55.0	205	238	< 5	1.43	< 0.2	65	10	< 0.5	< 2	4.65	< 0.5	39	55	347	3.79	< 10	1	< 0.01	< 10	0.67	944
8815 55.0-56.0	205	238	15	1.92	< 0.2	50	10	< 0.5	< 2	3.63	< 0.5	24	52	183	2.87	< 10	< 1	0.05	10	1.12	625
8815 56.0-57.0	205	238	< 5	2.24	< 0.2	< 5	< 10	< 0.5	< 2	7.87	< 0.5	6	96	22	3.00	< 10	3	< 0.01	< 10	0.57	1330
8815 57.0-58.0	205	238	< 5	2.91	< 0.2	55	< 10	< 0.5	< 2	11.35	< 0.5	12	127	88	4.57	< 10	< 1	< 0.01	< 10	0.59	1910
8815 58.0-59.0	205	238	< 5	2.86	< 0.2	< 5	< 10	< 0.5	< 2	11.40	< 0.5	8	106	44	5.32	< 10	< 1	< 0.01	< 10	0.30	2050

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: TERRANE RESOURCE MANAGEMENT INC.
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5
Project : 8803 HAIDA
Comments: ATTN: C.J. WESTERMAN

Date : 8-NOV-88
Invoice # : I-8826660
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826660

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
8815 2.0-4.0	205	238	2	0.04	28	1300	18	< 5	3	91	0.31	< 10	< 10	118	< 5	54
8815 4.0-6.0	205	238	1	0.05	20	1300	10	< 5	9	142	0.31	< 10	< 10	175	< 5	60
8815 6.0-8.0	205	238	< 1	0.03	17	1430	4	< 5	4	137	0.39	< 10	< 10	151	< 5	61
8815 8.0-10.0	205	238	< 1	0.03	17	1290	< 2	< 5	4	129	0.38	< 10	< 10	140	< 5	59
8815 10.0-12.0	205	238	1	0.04	29	1810	14	< 5	3	151	0.23	< 10	< 10	82	< 5	40
8815 12.0-14.0	205	238	< 1	0.12	23	1380	14	< 5	8	173	0.26	< 10	< 10	130	< 5	43
8815 14.0-16.0	205	238	< 1	0.08	21	1780	8	< 5	6	196	0.22	< 10	< 10	104	< 5	39
8815 16.0-18.0	205	238	1	0.07	22	1590	16	< 5	5	122	0.27	< 10	< 10	114	< 5	43
8815 18.0-20.0	205	238	3	0.04	31	1750	6	< 5	2	75	0.15	< 10	< 10	65	< 5	36
8815 20.0-22.0	205	238	< 1	0.05	22	2010	10	5	3	91	0.20	< 10	< 10	92	< 5	52
8815 22.0-23.0	205	238	3	0.11	11	1460	8	5	4	67	0.21	< 10	< 10	79	< 5	67
8815 23.0-24.0	205	238	2	0.04	32	1530	20	< 5	3	76	0.14	< 10	< 10	57	< 5	117
8815 24.0-25.0	205	238	3	0.04	16	1530	< 2	5	8	120	0.12	< 10	< 10	89	< 5	50
8815 25.0-26.0	205	238	2	0.06	26	1700	14	5	3	99	0.17	< 10	< 10	53	< 5	39
8815 26.0-27.0	205	238	8	0.05	37	1640	4	< 5	2	59	0.19	< 10	< 10	52	< 5	56
8815 27.0-28.0	205	238	1	0.05	23	1800	2	5	3	99	0.18	< 10	< 10	52	< 5	47
8815 28.0-29.0	205	238	< 1	0.03	48	1550	4	< 5	3	87	0.16	< 10	< 10	55	< 5	43
8815 29.0-30.6	205	238	2	0.04	53	1370	14	< 5	4	78	0.17	< 10	< 10	67	< 5	44
8815 30.6-31.6	205	238	1	0.04	45	1530	18	< 5	3	70	0.11	< 10	< 10	64	< 5	37
8815 31.6-33.0	205	238	1	0.04	44	1720	8	5	3	97	0.13	< 10	< 10	47	< 5	26
8815 33.0-34.0	205	238	2	0.05	52	1750	6	< 5	3	105	0.25	< 10	< 10	80	< 5	34
8815 34.0-35.0	205	238	4	0.03	56	1560	< 2	< 5	2	76	0.18	10	10	52	< 5	40
8815 35.0-36.5	205	238	7	0.05	31	1060	2	< 5	3	53	0.16	10	< 10	53	< 5	47
8815 36.5-38.5	205	238	< 1	0.01	7	860	< 2	5	4	15	0.06	10	< 10	37	< 5	27
8815 38.5-39.5	205	238	< 1	0.01	9	1820	< 2	< 5	3	28	0.03	< 10	< 10	23	< 5	29
8815 39.5-41.5	205	238	4	0.03	51	1470	< 2	< 5	3	51	0.12	< 10	< 10	49	< 5	51
8815 41.5-43.5	205	238	1	0.01	11	1480	< 2	< 5	2	21	0.04	10	< 10	26	< 5	122
8815 43.5-45.5	205	238	< 1	0.01	6	390	< 2	5	1	10	0.01	10	10	19	< 5	330
8815 45.5-47.5	205	238	< 1	0.03	21	1100	< 2	< 5	2	19	0.08	10	< 10	26	< 5	48
8815 47.5-48.3	205	238	1	0.02	15	1130	4	5	2	17	0.06	10	< 10	20	< 5	60
8815 48.6-49.3	205	238	< 1	0.02	8	320	< 2	5	1	12	0.02	10	< 10	22	< 5	27
8815 49.3-51.0	205	238	< 1	0.02	52	1850	28	5	4	40	0.09	10	< 10	94	< 5	83
8815 51.0-52.0	205	238	< 1	0.01	6	1360	< 2	5	3	59	0.05	20	< 10	50	< 5	71
8815 52.0-53.0	205	238	< 1	0.03	48	1650	< 2	5	3	75	0.09	20	< 10	111	< 5	45
8815 53.0-54.0	205	238	< 1	0.02	6	1000	< 2	5	3	16	0.04	10	< 10	46	< 5	33
8815 54.0-55.0	205	238	< 1	0.01	29	1990	6	5	5	27	0.11	10	< 10	85	< 5	50
8815 55.0-56.0	205	238	< 1	0.05	28	2140	< 2	< 5	5	65	0.21	10	< 10	76	< 5	121
8815 56.0-57.0	205	238	< 1	0.01	5	860	< 2	5	3	24	0.06	10	< 10	43	< 5	33
8815 57.0-58.0	205	238	< 1	0.01	9	1240	2	10	3	25	0.03	< 10	< 10	50	< 5	27
8815 58.0-59.0	205	238	< 1	0.01	10	450	14	5	2	12	0.04	< 10	< 10	43	< 5	19

CERTIFICATION : B. Caplin

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

To: TERRANE RESOURCE MANAGEMENT INC.
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5
Project : 8803 HAIDA
Comments: ATTN: C.J. WESTERMAN

Date : 8-NOV-88
Invoice # : I-8826660
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826660

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
8815 59.0-60.0	205	238	< 5	2.97	< 0.2	80	< 10	< 0.5	< 2	12.55	< 0.5	14	171	354	5.69	< 10	< 1	< 0.01	< 10	0.51	2010

CERTIFICATION : B. Caughlin

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PHONE (604) 984-0221

TERRAIN RESOURCE MANAGEMENT INC.
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5
Project : 8803 HAIDA
Comments: ATTN: C.J. WESTERMAN

Date : 8-NOV-88
Invoice # : I-8826660
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826660

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
8815 59.0-60.0	205	238	1	0.02	20	1230	14	5	9	19	0.11	< 10	< 10	86	5	49

CERTIFICATION : B. Caglione

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

ERR/ [illegible]ESC MA[illegible]MENT :

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : 8803 HAIDA
Comments: ATTN: C.J. WESTERMAN

*Pa[illegible] :
Tot. Pages: 1
Date : 9-NOV-88
Invoice # : I-8826769
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826769

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
88-15 60-61	205	238	< 5	2.41	< 0.2	30	< 10	< 0.5	< 2	9.80	< 0.5	16	86	181	4.58	< 10	< 1	< 0.01	< 10	0.50	1630
88-15 61-62	205	238	< 5	1.29	< 0.2	15	< 10	< 0.5	< 2	10.35	< 0.5	5	50	15	2.25	< 10	< 1	< 0.01	< 10	0.31	1185
88-15 62-63	205	238	< 5	1.79	< 0.2	40	< 10	< 0.5	< 2	8.27	< 0.5	5	65	20	2.21	< 10	3	< 0.01	< 10	0.35	1060
88-15 63-64	205	238	< 5	1.58	< 0.2	55	< 10	< 0.5	< 2	6.19	< 0.5	28	42	169	3.09	< 10	1	< 0.01	< 10	0.54	1110
88-15 64-65	205	238	< 5	1.66	< 0.2	40	< 10	< 0.5	< 2	2.58	< 0.5	25	21	120	2.71	< 10	< 1	< 0.01	< 10	1.16	469
88-15 65-66	205	238	< 5	1.93	< 0.2	20	10	< 0.5	4	7.19	< 0.5	14	46	102	3.85	< 10	< 1	< 0.01	< 10	0.58	1285
88-15 66-67	205	238	< 5	1.36	< 0.2	55	< 10	< 0.5	< 2	6.20	< 0.5	5	46	27	1.91	< 10	1	< 0.01	< 10	0.37	765
88-15 67-68	205	238	< 5	1.99	< 0.2	30	< 10	< 0.5	< 2	6.19	< 0.5	6	46	10	1.91	< 10	1	0.01	< 10	0.36	940
88-15 68-69	205	238	< 5	2.14	< 0.2	< 5	< 10	< 0.5	< 2	6.43	< 0.5	4	60	6	2.06	< 10	< 1	0.01	< 10	0.19	1325
88-15 69-70	205	238	< 5	2.64	< 0.2	40	10	< 0.5	< 2	8.44	< 0.5	7	96	25	3.10	< 10	1	0.01	< 10	0.38	1595
88-15 70-71	205	238	< 5	1.80	< 0.2	30	< 10	< 0.5	< 2	9.10	< 0.5	9	63	70	3.79	< 10	2	< 0.01	< 10	0.30	1200
88-15 71-72	205	238	< 5	1.78	< 0.2	20	< 10	< 0.5	< 2	7.75	< 0.5	7	51	56	3.16	< 10	< 1	< 0.01	< 10	0.35	1170
88-15 72-73	205	238	< 5	2.29	< 0.2	20	< 10	< 0.5	< 2	8.83	< 0.5	9	95	32	3.13	< 10	1	< 0.01	< 10	0.37	1365
88-15 73-74	205	238	< 5	2.69	< 0.2	5	< 10	< 0.5	< 2	9.10	< 0.5	8	52	28	3.19	< 10	3	0.01	< 10	0.69	1665
88-15 74-75	205	238	< 5	2.36	< 0.2	< 5	< 10	< 0.5	< 2	8.76	< 0.5	5	46	23	3.06	< 10	< 1	< 0.01	< 10	0.34	1605
88-15 75-76	205	238	< 5	2.43	< 0.2	15	< 10	< 0.5	< 2	9.37	< 0.5	7	38	26	3.40	< 10	< 1	0.02	< 10	0.52	1595
88-15 76-77	205	238	< 5	2.28	< 0.2	65	< 10	0.5	< 2	11.15	< 0.5	34	73	327	5.82	< 10	< 1	< 0.01	< 10	0.94	1850
88-15 77-78	205	238	< 5	1.86	< 0.2	55	< 10	0.5	< 2	10.10	< 0.5	21	82	107	5.29	< 10	< 1	< 0.01	< 10	0.47	1675
88-15 78-79	205	238	< 5	2.19	< 0.2	45	< 10	0.5	< 2	12.60	< 0.5	24	114	91	7.00	< 10	< 1	< 0.01	< 10	0.71	2090
88-15 79-80	205	238	< 5	1.57	< 0.2	65	< 10	0.5	< 2	9.82	< 0.5	23	43	167	6.35	< 10	< 1	< 0.01	< 10	0.69	1690
88-15 80-81	205	238	< 5	2.57	< 0.2	25	20	0.5	< 2	2.47	< 0.5	38	30	98	3.87	< 10	1	0.03	< 10	1.90	722
88-15 81-82	205	238	< 5	2.46	< 0.2	20	40	0.5	< 2	2.32	< 0.5	35	25	86	3.57	< 10	< 1	0.03	< 10	1.85	706
88-15 82-83	205	238	5	2.50	< 0.2	55	70	0.5	< 2	7.01	< 0.5	41	83	373	4.46	< 10	< 1	0.02	< 10	1.54	1115
88-15 83-85	205	238	< 5	1.57	< 0.2	45	10	< 0.5	2	5.60	< 0.5	16	69	209	2.46	< 10	< 1	0.06	< 10	0.67	609
88-15 85-87	205	238	< 5	1.54	< 0.2	40	10	< 0.5	< 2	1.98	< 0.5	21	55	100	2.44	< 10	< 1	0.03	< 10	1.11	432
88-15 87-89	205	238	< 5	3.28	< 0.2	10	40	0.5	< 2	6.04	< 0.5	45	66	298	6.05	< 10	< 1	0.13	< 10	3.33	855
88-15 89-91	205	238	10	3.64	< 0.2	55	30	0.5	< 2	7.18	< 0.5	53	117	272	6.97	< 10	< 1	0.09	< 10	3.57	896
88-15 91-93	205	238	15	2.63	< 0.2	15	10	0.5	< 2	1.38	0.5	44	66	304	5.46	< 10	< 1	0.04	10	2.24	541
88-15 93-95	205	238	10	2.78	< 0.2	40	30	0.5	2	4.68	< 0.5	29	46	152	4.79	< 10	< 1	0.13	< 10	2.47	808
88-15 95-97	205	238	< 5	3.97	< 0.2	75	20	1.0	< 2	4.52	< 0.5	50	91	303	7.23	< 10	< 1	0.09	< 10	4.05	994
88-15 97-99	205	238	< 5	3.27	< 0.2	15	20	0.5	< 2	4.15	< 0.5	40	70	271	5.49	< 10	< 1	0.06	< 10	3.20	820
88-15 99-101	205	238	< 5	3.06	< 0.2	35	20	1.0	2	4.70	< 0.5	34	62	150	5.31	< 10	< 1	0.07	< 10	2.90	825
88-15 101-103	205	238	< 5	3.08	< 0.2	25	10	1.0	< 2	4.00	< 0.5	31	39	93	5.40	< 10	< 1	0.07	< 10	2.56	818
88-15 103-105	205	238	< 5	2.52	< 0.2	5	40	0.5	< 2	2.75	< 0.5	22	30	55	4.39	< 10	< 1	0.09	< 10	1.81	685
88-15 105-106	205	238	< 5	2.04	< 0.2	25	20	0.5	< 2	2.30	< 0.5	23	25	90	3.98	< 10	1	0.07	10	1.57	573
88-15 106-108	205	238	< 5	2.45	< 0.2	40	30	0.5	< 2	2.49	< 0.5	32	94	95	4.17	< 10	< 1	0.10	< 10	2.18	645

CERTIFICATION : B. Caglioni

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
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PHONE (604) 984-0221

TERRA RESC MA MENT
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5
Project : 8803 HAIDA
Comments: ATTN: C.J. WESTERMAN

Page
Tot. Pages: 1
Date : 9-NOV-88
Invoice # : I-8826769
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826769

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
88-15 60-61	205	238	2	0.01	16	1480	< 2	5	5	29	0.06	< 10	< 10	73	10	38
88-15 61-62	205	238	1	0.01	8	1190	10	5	4	153	0.04	< 10	< 10	34	5	15
88-15 62-63	205	238	< 1	0.02	7	2000	10	5	4	31	0.07	< 10	< 10	44	< 5	29
88-15 63-64	205	238	< 1	0.01	15	1860	< 2	< 5	3	21	0.06	< 10	< 10	51	5	38
88-15 64-65	205	238	< 1	0.01	23	570	< 2	< 5	6	115	0.20	< 10	< 10	68	< 5	52
88-15 65-66	205	238	1	0.01	17	1400	< 2	5	3	13	0.06	< 10	< 10	58	< 5	39
88-15 66-67	205	238	1	0.01	9	2390	< 2	< 5	4	17	0.07	< 10	< 10	32	5	30
88-15 67-68	205	238	< 1	0.01	8	1150	< 2	< 5	2	11	0.04	< 10	< 10	27	< 5	37
88-15 68-69	205	238	< 1	0.01	8	20	4	5	< 1	12	0.02	< 10	< 10	23	< 5	94
88-15 69-70	205	238	< 1	0.02	11	780	2	5	2	24	0.04	< 10	< 10	39	5	43
88-15 70-71	205	238	< 1	0.01	11	1420	< 2	10	3	20	0.04	10	< 10	32	20	25
88-15 71-72	205	238	1	0.01	5	640	10	10	2	13	0.03	10	< 10	33	10	24
88-15 72-73	205	238	< 1	0.01	5	990	< 2	10	3	14	0.04	10	< 10	52	15	26
88-15 73-74	205	238	< 1	0.01	5	1130	4	5	8	18	0.10	< 10	< 10	77	10	50
88-15 74-75	205	238	< 1	0.01	< 1	330	< 2	10	1	15	0.03	< 10	< 10	52	10	44
88-15 75-76	205	238	< 1	0.01	7	950	< 2	5	2	18	0.05	< 10	< 10	63	15	38
88-15 76-77	205	238	1	0.01	46	2110	14	5	6	23	0.07	10	< 10	123	20	71
88-15 77-78	205	238	5	0.01	41	930	18	5	2	15	0.03	< 10	< 10	54	15	30
88-15 78-79	205	238	12	0.01	57	2120	14	5	5	17	0.06	10	10	54	25	36
88-15 79-80	205	238	63	0.01	35	1170	< 2	5	2	17	0.04	10	10	36	25	37
88-15 80-81	205	238	< 1	0.09	19	1070	< 2	5	8	79	0.31	< 10	< 10	132	10	57
88-15 81-82	205	238	< 1	0.08	17	1460	12	5	7	106	0.26	< 10	< 10	110	5	57
88-15 82-83	205	238	2	0.02	44	1890	16	5	8	133	0.12	< 10	< 10	59	10	56
88-15 83-85	205	238	< 1	0.02	31	2800	16	5	4	47	0.09	< 10	< 10	51	< 5	33
88-15 85-87	205	238	< 1	0.02	15	1520	< 2	5	2	73	0.12	< 10	< 10	77	< 5	36
88-15 87-89	205	238	< 1	0.02	51	810	18	< 5	16	146	0.12	< 10	< 10	222	10	98
88-15 89-91	205	238	< 1	0.02	49	480	38	< 5	12	217	0.13	< 10	< 10	269	25	109
88-15 91-93	205	238	< 1	0.02	47	930	2	5	3	63	0.24	< 10	< 10	134	10	96
88-15 93-95	205	238	< 1	0.02	24	1090	10	5	8	99	0.20	< 10	< 10	160	10	86
88-15 95-97	205	238	< 1	0.02	48	1130	22	10	10	122	0.20	< 10	< 10	212	20	115
88-15 97-99	205	238	< 1	0.02	48	1650	10	5	5	63	0.24	< 10	< 10	161	25	97
88-15 99-101	205	238	1	0.02	38	1210	< 2	10	7	95	0.22	< 10	< 10	187	15	82
88-15 101-103	205	238	< 1	0.03	21	1570	10	5	11	134	0.27	< 10	< 10	190	10	89
88-15 103-105	205	238	< 1	0.04	11	2090	8	< 5	8	149	0.21	< 10	< 10	149	5	81
88-15 105-106	205	238	< 1	0.03	8	2140	36	5	4	73	0.24	< 10	< 10	100	< 5	83
88-15 106-108	205	238	< 1	0.15	31	1130	2	< 5	8	74	0.26	< 10	< 10	107	15	58

CERTIFICATION : B. Caglione

Chemex Labs Ltd.
Analytical Chemists • Geochemists • Registered Assayers
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PHONE (604) 984-0221

To: TERRANE RESOURCE MANAGEMENT INC.
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5
Project : 8803 HAIDA
Comments: ATTN: C.J. WESTERMAN

Date : 9-NOV-88
Invoice # : I-8826854
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826854

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
88-15 108-110	205 238	< 5	3.06	< 0.2	25	30	< 0.5	< 2	5.80	0.5	27	78	75	5.99	< 10	< 1	0.06	< 10	2.78	1435
88-15 110-112	205 238	55	2.21	< 0.2	25	50	< 0.5	< 2	7.73	< 0.5	17	130	84	4.72	< 10	< 1	0.10	< 10	1.53	1405
88-15 112-114	205 238	15	2.54	0.4	30	60	< 0.5	2	1.92	< 0.5	19	51	101	4.02	10	< 1	0.15	20	1.59	566
88-15 114-116	205 238	< 5	2.77	0.2	35	60	< 0.5	< 2	2.28	< 0.5	20	36	60	4.68	10	< 1	0.16	20	1.77	634
88-15 116-118	205 238	25	2.75	< 0.2	20	60	< 0.5	< 2	1.88	< 0.5	18	38	83	4.46	10	< 1	0.10	20	1.76	663
88-15 118-120	205 238	< 5	2.50	0.2	30	40	< 0.5	< 2	1.93	< 0.5	17	37	105	4.28	10	< 1	0.09	20	1.73	640
88-15 120-122	205 238	< 5	2.63	< 0.2	15	50	< 0.5	< 2	2.24	< 0.5	15	39	69	4.20	10	< 1	0.10	20	1.62	627
88-15 122-124	205 238	< 5	2.52	< 0.2	10	50	< 0.5	2	4.69	< 0.5	18	43	43	4.44	< 10	< 1	0.11	< 10	1.88	849
88-15 124-126	205 238	< 5	2.83	< 0.2	< 5	40	< 0.5	< 2	1.61	< 0.5	22	42	187	4.98	10	< 1	0.10	10	2.05	684
88-15 126-128	205 238	< 5	2.55	0.2	10	20	< 0.5	< 2	1.58	< 0.5	21	45	127	4.56	10	< 1	0.08	10	1.90	624
88-15 128-130	205 238	< 5	2.22	< 0.2	10	80	< 0.5	< 2	3.42	< 0.5	13	37	107	2.82	< 10	< 1	0.15	10	1.67	548
88-15 130-132	205 238	< 5	2.11	< 0.2	20	30	< 0.5	< 2	3.48	< 0.5	26	114	121	3.13	< 10	< 1	0.06	< 10	1.68	450
88-15 132-134	205 238	15	1.78	< 0.2	20	10	< 0.5	< 2	5.57	< 0.5	27	107	290	3.36	< 10	< 1	0.02	< 10	1.07	663
88-15 134-135	205 238	< 5	2.69	< 0.2	20	40	< 0.5	< 2	2.60	< 0.5	31	48	224	4.33	< 10	< 1	0.03	< 10	1.92	441

CERTIFICATION : B. Caughlin

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212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

...TERR... RESC... MA...MEN... ...C.

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : 8803 HAIDA
Comments: ATTN: C.J. WESTERMAN

**Page ...
Tot. Pages: 1
Date : 9-NOV-88
Invoice # : I-8826854
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826854

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
88-15 108-110	205 238	< 1	0.05	35	1280	< 2	< 5	15	100	0.13	< 10	< 10	178	5	189
88-15 110-112	205 238	< 1	0.03	45	1890	< 2	< 5	12	76	0.15	< 10	< 10	112	10	88
88-15 112-114	205 238	1	0.10	14	1860	2	5	5	158	0.30	< 10	< 10	109	< 5	80
88-15 114-116	205 238	1	0.10	11	2020	2	5	6	154	0.34	< 10	< 10	130	< 5	88
88-15 116-118	205 238	1	0.06	10	1970	< 2	< 5	5	175	0.33	< 10	< 10	135	< 5	84
88-15 118-120	205 238	2	0.06	8	2020	4	5	5	128	0.30	< 10	< 10	134	5	81
88-15 120-122	205 238	1	0.06	8	2190	8	5	6	171	0.35	< 10	< 10	125	< 5	79
88-15 122-124	205 238	1	0.05	8	2090	< 2	< 5	8	166	0.28	< 10	< 10	142	< 5	76
88-15 124-126	205 238	1	0.04	13	2140	< 2	< 5	5	119	0.36	< 10	< 10	150	< 5	85
88-15 126-128	205 238	< 1	0.04	15	2070	< 2	5	4	84	0.30	< 10	< 10	131	< 5	80
88-15 128-130	205 238	< 1	0.03	16	2710	8	< 5	5	161	0.21	< 10	< 10	95	< 5	49
88-15 130-132	205 238	< 1	0.02	46	1180	4	< 5	5	63	0.28	< 10	< 10	183	< 5	52
88-15 132-134	205 238	2	0.02	44	1070	6	< 5	5	60	0.13	< 10	< 10	85	< 5	60
88-15 134-135	205 238	< 1	0.04	25	1950	< 2	< 5	6	182	0.22	< 10	< 10	170	< 5	69

CERTIFICATION : B. Caughlin

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PHONE (604) 984-0221

...ERR... RESC... MA... MENT ...

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : 8803 HAIDA
Comments: ATTN: C.J. WESTERMAN

**Pa... :
Tot. Pages: 2
Date : 9-NOV-88
Invoice # : I-8826855
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826855

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
88-16 7-8	205 238	25	1.65	0.6	25	40	< 0.5	< 2	2.13	< 0.5	16	29	209	2.29	< 10	1	0.10	10	1.02	339
88-16 8-9	205 238	20	2.35	0.4	50	40	< 0.5	< 2	2.70	< 0.5	20	42	248	3.18	< 10	< 1	0.13	10	1.66	455
88-16 9-10	205 238	5	1.82	0.6	50	40	< 0.5	< 2	3.11	0.5	16	31	202	2.78	< 10	< 1	0.08	10	1.14	425
88-16 10-11	205 238	< 5	1.90	0.4	40	50	< 0.5	< 2	2.36	< 0.5	18	32	247	2.68	< 10	< 1	0.14	10	1.19	347
88-16 11-12	205 238	10	2.32	0.2	35	50	< 0.5	< 2	3.16	< 0.5	26	80	305	3.17	< 10	< 1	0.21	< 10	1.56	476
88-16 12-13	205 238	15	2.52	< 0.2	60	50	< 0.5	< 2	4.91	< 0.5	21	47	265	3.75	< 10	< 1	0.22	< 10	1.80	686
88-16 13-14	205 238	85	1.97	< 0.2	15	80	< 0.5	< 2	2.45	< 0.5	9	26	98	2.84	< 10	< 1	0.14	10	1.29	560
88-16 14-15	205 238	40	1.70	0.2	15	50	< 0.5	< 2	2.14	0.5	12	20	183	3.09	< 10	< 1	0.14	10	1.32	550
88-16 16-17	205 238	25	1.47	0.4	10	70	< 0.5	< 2	2.13	0.5	19	21	390	2.84	< 10	< 1	0.10	10	1.39	473
88-16 17-18	205 238	100	1.77	0.4	20	30	< 0.5	< 2	2.88	< 0.5	14	25	236	2.89	< 10	< 1	0.08	10	1.48	510
88-16 18-19	205 238	240	2.01	0.2	10	30	< 0.5	< 2	2.04	< 0.5	19	42	237	3.26	< 10	< 1	0.06	10	1.67	513
88-16 19-20	205 238	10	1.68	0.4	20	30	< 0.5	< 2	1.87	< 0.5	14	47	180	2.35	< 10	< 1	0.08	10	1.46	384
88-16 20-21	205 238	5	1.84	0.4	< 5	50	< 0.5	2	3.47	0.5	13	41	205	2.94	< 10	< 1	0.13	10	1.44	470
88-16 21-22	205 238	< 5	1.93	< 0.2	5	70	< 0.5	< 2	7.06	< 0.5	11	33	107	2.81	< 10	< 1	0.28	< 10	1.53	752
88-16 22-23	205 238	10	1.80	< 0.2	15	40	< 0.5	< 2	7.24	< 0.5	16	43	127	3.48	< 10	< 1	0.14	< 10	1.38	792
88-16 23-24	205 238	30	2.20	< 0.2	15	60	< 0.5	< 2	5.03	< 0.5	27	10	409	3.08	< 10	< 1	0.33	< 10	1.20	513
88-16 24-25	205 238	5	1.44	0.2	10	50	< 0.5	< 2	2.69	< 0.5	13	47	205	3.11	< 10	< 1	0.09	10	1.02	354
88-16 25-16	205 238	45	1.34	0.2	10	50	< 0.5	< 2	1.67	< 0.5	11	19	111	2.89	< 10	< 1	0.13	10	0.87	305
88-16 26-27	205 238	10	1.68	0.2	10	90	< 0.5	< 2	2.44	< 0.5	13	32	164	3.21	< 10	< 1	0.14	10	1.05	371
88-16 27-28	205 238	< 5	1.74	0.2	5	110	< 0.5	< 2	2.07	< 0.5	13	22	164	3.52	< 10	< 1	0.13	10	1.23	351
88-16 28-29.3	205 238	35	1.34	< 0.2	5	70	< 0.5	< 2	2.34	< 0.5	24	23	315	3.60	< 10	< 1	0.12	10	1.00	332
88-16 29.3-29.9	205 238	55	1.54	< 0.2	20	50	< 0.5	< 2	1.37	< 0.5	151	101	995	11.40	< 10	< 1	0.10	< 10	1.10	286
88-16 29.9-31	205 238	30	1.88	0.2	20	60	< 0.5	< 2	1.59	< 0.5	59	93	665	4.91	< 10	< 1	0.16	< 10	1.64	372
88-16 31-32	205 238	20	2.12	< 0.2	10	70	< 0.5	< 2	1.75	< 0.5	51	90	482	5.15	< 10	< 1	0.15	< 10	1.83	441
88-16 32-33	205 238	45	2.52	< 0.2	20	90	< 0.5	< 2	2.38	< 0.5	41	152	220	4.43	< 10	< 1	0.10	< 10	2.34	563
88-16 33-34	205 238	10	3.05	< 0.2	15	60	< 0.5	< 2	3.01	< 0.5	39	189	214	5.05	< 10	< 1	0.11	< 10	2.88	733
88-16 34-35	205 238	25	2.34	0.2	25	80	< 0.5	< 2	2.30	< 0.5	63	103	611	5.03	< 10	< 1	0.15	< 10	1.65	475
88-16 35-36	205 238	30	2.17	0.6	15	110	< 0.5	< 2	1.70	< 0.5	66	168	576	4.88	< 10	< 1	0.20	< 10	1.43	455
88-16 36-37	205 238	10	3.03	0.4	30	90	< 0.5	4	2.79	< 0.5	47	142	304	5.37	< 10	< 1	0.12	< 10	2.46	742
88-16 37-39	205 238	10	2.76	0.2	20	40	< 0.5	< 2	2.12	< 0.5	24	71	104	4.20	< 10	< 1	0.04	< 10	2.12	594
88-16 39-41	205 238	20	2.40	0.4	30	70	< 0.5	< 2	2.44	< 0.5	63	153	356	4.33	< 10	< 1	0.09	< 10	1.94	507
88-16 41-43	205 238	20	2.08	0.6	10	70	< 0.5	< 2	2.16	< 0.5	46	182	534	4.51	< 10	< 1	0.10	< 10	1.44	407
88-16 43-45	205 238	10	2.64	0.4	5	110	< 0.5	< 2	2.92	< 0.5	33	246	383	4.27	< 10	< 1	0.18	< 10	2.05	586
88-16 45-47	205 238	25	1.98	0.2	15	80	< 0.5	< 2	6.61	< 0.5	42	157	533	4.56	< 10	< 1	0.24	< 10	1.38	545
88-16 47-49	205 238	30	2.04	0.6	10	280	< 0.5	< 2	3.07	< 0.5	30	150	267	3.62	< 10	< 1	0.27	< 10	1.20	333
88-16 49-50	205 238	30	3.38	0.6	20	190	0.5	< 2	2.25	< 0.5	32	158	471	4.23	< 10	< 1	0.28	< 10	2.12	439
88-16 50-52	205 238	20	2.26	< 0.2	25	120	< 0.5	< 2	4.80	< 0.5	41	203	410	4.63	< 10	< 1	0.20	< 10	1.76	556
88-16 52-54	205 238	15	3.02	0.2	20	190	< 0.5	2	3.81	< 0.5	46	243	441	4.81	< 10	< 1	0.15	< 10	2.76	641
88-16 54-56	205 238	5	2.64	< 0.2	15	40	< 0.5	< 2	4.38	< 0.5	22	95	285	3.77	< 10	< 1	0.08	< 10	2.75	693
88-16 56-58	205 238	10	2.36	< 0.2	10	80	< 0.5	< 2	5.30	< 0.5	31	158	265	3.46	< 10	< 1	0.14	< 10	2.46	617

CERTIFICATION : B. Caglione

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BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

T... ERRA... RESO... MAI... AENT ...

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : 8803 HAIDA
Comments: ATTN: C.J. WESTERMAN

Date : 9-NOV-88
Invoice # : I-8826855
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826855

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
88-16 7-8	205	238	4	0.08	12	1290	4	5	3	111	0.19	< 10	< 10	62	< 5	45
88-16 8-9	205	238	3	0.06	21	1620	4	< 5	5	128	0.19	< 10	< 10	85	< 5	50
88-16 9-10	205	238	2	0.07	10	1510	12	< 5	3	114	0.18	10	< 10	58	< 5	42
88-16 10-11	205	238	1	0.06	18	1660	2	5	3	105	0.20	< 10	< 10	68	< 5	44
88-16 11-12	205	238	1	0.04	63	1240	< 2	< 5	4	104	0.24	< 10	< 10	109	< 5	56
88-16 12-13	205	238	1	0.04	41	1370	2	< 5	5	126	0.16	< 10	< 10	88	< 5	45
88-16 13-14	205	238	2	0.06	4	1460	< 2	< 5	2	179	0.13	< 10	< 10	61	< 5	44
88-16 14-15	205	238	< 1	0.06	5	1540	10	< 5	2	79	0.11	< 10	< 10	68	< 5	56
88-16 16-17	205	238	2	0.05	5	1410	4	< 5	3	46	0.10	< 10	< 10	56	< 5	58
88-16 17-18	205	238	2	0.05	5	1400	< 2	< 5	3	61	0.14	< 10	< 10	67	< 5	34
88-16 18-19	205	238	3	0.05	24	1460	< 2	< 5	5	74	0.24	< 10	< 10	93	< 5	38
88-16 19-20	205	238	1	0.05	25	1360	4	< 5	4	45	0.19	< 10	< 10	82	< 5	33
88-16 20-21	205	238	2	0.06	12	1410	2	< 5	4	56	0.13	< 10	< 10	73	< 5	38
88-16 21-22	205	238	2	0.03	20	1260	6	< 5	11	94	0.01	< 10	< 10	101	< 5	44
88-16 22-23	205	238	4	0.03	29	1080	34	< 5	12	120	< 0.01	< 10	< 10	123	< 5	55
88-16 23-24	205	238	< 1	0.03	20	1680	2	< 5	8	100	0.18	< 10	< 10	116	< 5	46
88-16 24-25	205	238	1	0.07	18	1520	4	< 5	4	95	0.16	< 10	< 10	67	< 5	24
88-16 25-16	205	238	1	0.07	5	1470	< 2	< 5	2	73	0.16	< 10	< 10	50	< 5	23
88-16 26-27	205	238	< 1	0.09	5	1600	2	< 5	3	141	0.19	< 10	< 10	59	< 5	27
88-16 27-28	205	238	1	0.09	2	1530	< 2	5	2	157	0.16	< 10	< 10	54	< 5	25
88-16 28-29.3	205	238	1	0.06	19	1860	< 2	< 5	1	97	0.08	< 10	< 10	34	< 5	24
88-16 29.3-29.9	205	238	2	0.04	343	1670	< 2	5	5	59	0.24	< 10	< 10	66	< 5	41
88-16 29.9-31	205	238	< 1	0.06	137	1970	< 2	< 5	5	52	0.35	< 10	< 10	71	< 5	57
88-16 31-32	205	238	1	0.06	118	1820	< 2	< 5	6	72	0.32	< 10	< 10	80	< 5	42
88-16 32-33	205	238	< 1	0.05	82	990	4	< 5	7	94	0.40	< 10	< 10	101	< 5	53
88-16 33-34	205	238	< 1	0.05	68	880	< 2	5	11	131	0.29	< 10	< 10	136	< 5	60
88-16 34-35	205	238	< 1	0.05	107	1650	< 2	< 5	6	103	0.37	< 10	< 10	75	< 5	39
88-16 35-36	205	238	< 1	0.06	163	1700	< 2	< 5	8	88	0.41	< 10	< 10	86	5	36
88-16 36-37	205	238	< 1	0.04	109	1300	< 2	< 5	8	140	0.40	< 10	< 10	137	< 5	62
88-16 37-39	205	238	< 1	0.04	30	1170	< 2	< 5	5	130	0.31	< 10	< 10	115	< 5	58
88-16 39-41	205	238	1	0.06	114	820	< 2	< 5	8	97	0.35	< 10	< 10	104	5	47
88-16 41-43	205	238	5	0.06	127	1210	< 2	< 5	6	90	0.36	< 10	< 10	81	< 5	39
88-16 43-45	205	238	1	0.04	99	1220	< 2	< 5	11	124	0.41	< 10	< 10	127	5	49
88-16 45-47	205	238	7	0.05	92	1230	6	< 5	11	257	0.25	< 10	< 10	86	5	40
88-16 47-49	205	238	1	0.06	79	1120	4	< 5	7	243	0.17	< 10	< 10	81	< 5	33
88-16 49-50	205	238	2	0.03	87	1290	< 2	< 5	10	214	0.19	< 10	< 10	105	5	42
88-16 50-52	205	238	1	0.04	110	1040	2	< 5	10	131	0.23	< 10	< 10	83	< 5	42
88-16 52-54	205	238	1	0.04	117	670	2	< 5	11	213	0.14	10	< 10	93	< 5	49
88-16 54-56	205	238	29	0.03	45	1250	2	< 5	9	98	0.20	< 10	< 10	119	5	62
88-16 56-58	205	238	1	0.05	92	860	< 2	< 5	10	124	0.15	10	< 10	88	5	43

CERTIFICATION : P. Caplin

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TERRANE RESOURCE MANAGEMENT INC.
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5
Project : 8803 HAIDA
Comments: ATTN: C.J. WESTERMAN

Date : 9-NOV-88
Invoice # : I-8826855
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826855

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
88-16 58-60	205	238	< 5	3.71	10.2	15	140	< 0.5	< 2	5.99	< 0.5	32	212	163	4.96	< 10	< 1	0.13	< 10	4.39	919
88-16 60-62	205	238	< 5	3.72	< 0.2	15	170	< 0.5	< 2	4.59	< 0.5	38	275	146	4.38	< 10	< 1	0.24	< 10	4.47	772
88-16 62-64	205	238	< 5	3.99	1.4	25	90	< 0.5	< 2	4.44	< 0.5	34	354	104	4.67	< 10	< 1	0.11	< 10	5.06	841
88-16 64-66	205	238	< 5	4.60	0.2	10	60	< 0.5	< 2	2.02	< 0.5	51	429	156	5.91	< 10	< 1	0.06	< 10	5.68	962

CERTIFICATION : D. Lagrin

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TERRA RESOURCE MANAGEMENT LTD.

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : 8803 HAIDA
Comments: ATTN: C.J. WESTERMAN

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Date : 9-NOV-88
Invoice # : I-8826855
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826855

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
88-16 58-60	205	238	1	0.08	106	550	< 2	5	18	187	0.32	10	< 10	151	15	65
88-16 60-62	205	238	< 1	0.11	149	430	< 2	5	12	85	0.48	< 10	< 10	114	5	63
88-16 62-64	205	238	< 1	0.05	167	380	< 2	25	7	85	0.51	10	< 10	106	15	68
88-16 64-66	205	238	< 1	0.04	217	420	< 2	< 5	6	74	0.44	10	< 10	95	5	87

CERTIFICATION : B. Caughlin

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T. ERRA .ESO .. MA... ÆENT ...

1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : HAIDA 8803
Comments: ATTN: C. J. WESTERMAN

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Tot. Pages: 1
Date : 14-NOV-88
Invoice # : I-8826925
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826925

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
88-16 66-68	205	238	40	3.43	0.4	5	30	< 0.5	< 2	4.19	< 0.5	38	158	321	5.12	10	< 1	0.08	< 10	3.53	957
88-16 68-70	205	238	< 5	4.47	< 0.2	10	30	< 0.5	< 2	5.11	< 0.5	41	415	164	5.41	< 10	< 1	0.02	< 10	5.58	1095
88-16 70-72	205	238	< 5	3.98	0.4	< 5	50	< 0.5	< 2	3.40	< 0.5	39	339	215	4.78	10	< 1	0.08	< 10	4.91	888
88-16 72-74	205	238	25	3.26	0.4	5	20	< 0.5	< 2	5.12	< 0.5	35	189	243	4.48	10	< 1	0.07	< 10	3.54	820
88-16 74-76	205	238	15	3.46	0.2	10	20	< 0.5	< 2	4.95	< 0.5	28	179	40	4.91	10	< 1	0.07	< 10	3.66	893
88-16 76-78	205	238	< 5	3.24	0.4	5	20	< 0.5	< 2	4.45	< 0.5	30	111	88	5.19	10	< 1	0.08	< 10	3.14	858
88-16 78-80	205	238	5	1.69	< 0.2	< 5	10	< 0.5	2	11.20	< 0.5	21	82	116	4.00	< 10	< 1	0.05	< 10	1.77	1000
88-16 80-82	205	238	5	2.99	< 0.2	< 5	30	< 0.5	< 2	6.02	< 0.5	23	131	80	5.08	< 10	< 1	0.08	< 10	3.14	961
88-16 82-84	205	238	10	2.66	0.4	5	40	< 0.5	2	5.13	< 0.5	33	59	247	5.43	< 10	< 1	0.25	< 10	2.29	864
88-16 84-86	205	238	< 5	1.78	< 0.2	5	40	< 0.5	< 2	7.63	< 0.5	10	36	116	2.39	< 10	< 1	0.20	< 10	1.79	740
88-16 86-88	205	238	20	1.37	< 0.2	5	20	< 0.5	< 2	7.27	< 0.5	4	22	3	1.51	< 10	< 1	0.12	< 10	1.30	514
88-16 88-90	205	238	10	2.25	0.4	< 5	10	< 0.5	4	2.77	< 0.5	19	24	127	3.64	10	< 1	0.08	10	1.85	697
88-16 90-92	205	238	< 5	2.34	0.4	< 5	20	< 0.5	4	4.35	< 0.5	19	20	125	4.29	10	< 1	0.13	< 10	1.93	829
88-16 92-94	205	238	5	2.86	0.2	15	30	< 0.5	4	3.69	< 0.5	23	27	76	4.85	10	< 1	0.13	< 10	2.31	822
88-16 94-96	205	238	15	3.14	0.2	5	50	0.5	4	4.47	< 0.5	21	24	73	5.26	10	< 1	0.25	< 10	2.31	898
88-16 96-98	205	238	< 5	2.74	0.2	5	20	< 0.5	2	2.49	< 0.5	21	25	83	4.47	20	< 1	0.10	10	1.96	721
88-16 98-100	205	238	50	2.56	0.2	< 5	40	< 0.5	2	5.02	< 0.5	19	27	81	5.05	10	< 1	0.29	< 10	2.26	874
88-16 100-102	205	238	10	2.39	0.2	< 5	20	< 0.5	4	3.03	< 0.5	21	24	104	4.54	10	< 1	0.06	10	1.94	702
88-16 102-104	205	238	< 5	2.74	0.2	5	20	< 0.5	2	3.04	< 0.5	20	22	100	4.85	20	< 1	0.09	10	1.99	780
88-16 104-106	205	238	< 5	1.57	< 0.2	5	10	< 0.5	2	14.10	< 0.5	16	31	51	4.70	< 10	< 1	0.01	< 10	1.72	1065
88-16 106-108	205	238	5	2.67	0.2	15	30	1.0	< 2	2.55	< 0.5	19	27	178	4.72	20	< 1	0.08	10	1.96	783
88-16 108-110	205	238	25	2.37	0.2	5	10	0.5	< 2	2.55	< 0.5	20	40	190	4.49	10	< 1	0.06	< 10	1.90	761
88-16 110-112	205	238	5	2.40	0.2	< 5	20	1.0	< 2	2.75	< 0.5	18	28	123	4.66	10	< 1	0.08	10	1.92	775
88-16 112-114	205	238	10	2.20	0.2	10	20	1.0	2	1.66	< 0.5	18	24	100	4.04	10	< 1	0.05	10	1.66	617
88-16 114-116	205	238	< 5	2.70	0.2	15	90	1.0	2	2.98	< 0.5	18	23	60	4.79	10	< 1	0.07	10	1.99	777
88-16 116-118	205	238	< 5	2.56	0.2	20	40	1.0	< 2	4.38	< 0.5	17	22	55	4.88	10	< 1	0.06	< 10	2.00	848
88-16 118-120	205	238	< 5	2.76	0.2	10	20	1.0	< 2	2.49	< 0.5	20	27	104	4.82	20	< 1	0.06	10	1.92	757
88-16 120-122	205	238	< 5	2.20	0.2	15	20	0.5	< 2	3.81	< 0.5	18	25	152	4.18	10	< 1	0.08	< 10	1.59	822
88-16 122-124	205	238	< 5	2.66	0.2	5	60	1.0	< 2	1.89	< 0.5	17	24	89	4.01	20	< 1	0.07	10	1.59	647
88-16 124-126	205	238	10	2.53	0.2	15	20	1.5	< 2	1.90	< 0.5	17	26	153	3.93	10	< 1	0.07	10	1.52	615
88-16 126-128	205	238	< 5	2.51	0.2	< 5	20	1.0	2	1.76	< 0.5	17	24	84	3.93	20	< 1	0.06	10	1.53	628
88-16 128-130	205	238	< 5	2.56	0.2	20	20	1.0	< 2	2.28	< 0.5	19	24	113	4.39	20	< 1	0.07	10	1.75	705
88-16 130-132	205	238	60	2.39	0.2	15	40	1.5	< 2	2.56	< 0.5	19	23	127	4.11	20	< 1	0.08	20	1.52	619
88-16 132-133.8	205	238	< 5	2.51	0.2	10	30	1.5	2	1.98	< 0.5	18	25	118	3.83	20	< 1	0.08	10	1.46	559

CERTIFICATION : B. Caglioni

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

To: TERRANE RESOURCE MANAGEMENT INC.
1010 - 470 GRANVILLE ST.
VANCOUVER, BC
V6V 1V5

Project : HAIDA 8803
Comments: ATTN: C. J. WESTERMAN

Page No. : 1-B
Tot. Pages: 1
Date : 14-NOV-88
Invoice # : I-8826925
P.O. # : NONE

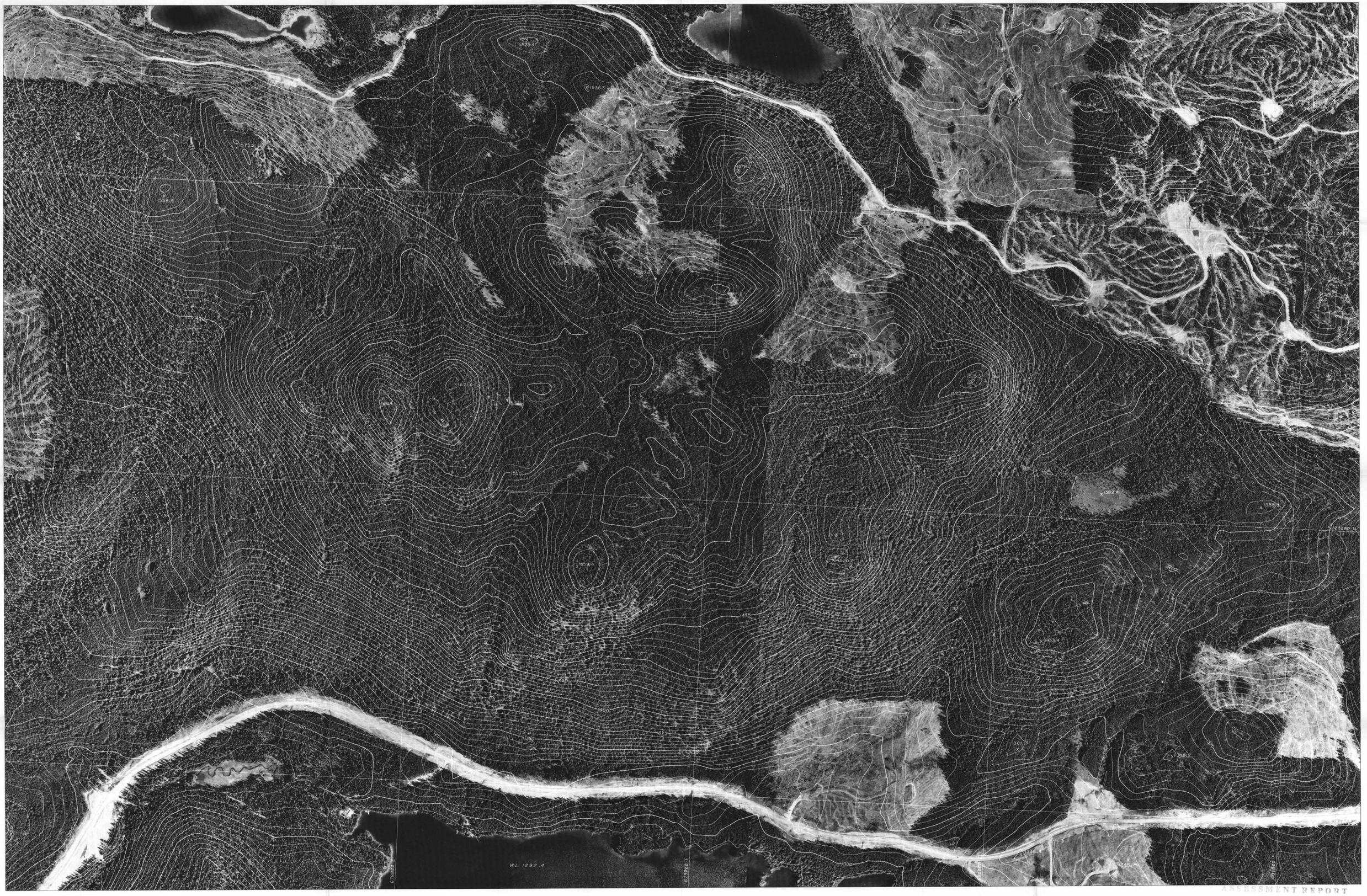
CERTIFICATE OF ANALYSIS A8826925

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
88-16 66-68	205	238	< 1	0.03	68	710	< 2	< 5	5	152	0.32	< 10	< 10	142	< 5	77
88-16 68-70	205	238	< 1	0.04	196	330	< 2	< 5	9	141	0.28	< 10	10	88	< 5	92
88-16 70-72	205	238	< 1	0.08	217	360	6	< 5	8	96	0.38	< 10	< 10	88	< 5	82
88-16 72-74	205	238	1	0.03	96	390	8	< 5	10	171	0.26	< 10	< 10	121	< 5	90
88-16 74-76	205	238	< 1	0.03	78	520	< 2	5	8	176	0.35	< 10	< 10	152	< 5	70
88-16 76-78	205	238	< 1	0.02	45	790	2	< 5	9	167	0.34	< 10	< 10	168	< 5	69
88-16 78-80	205	238	3	0.03	34	1090	8	< 5	12	264	0.12	< 10	< 10	106	< 5	48
88-16 80-82	205	238	1	0.03	30	1400	4	< 5	15	234	0.07	< 10	< 10	148	< 5	80
88-16 82-84	205	238	< 1	0.02	53	1490	< 2	< 5	15	110	0.03	< 10	< 10	104	< 5	78
88-16 84-86	205	238	1	0.02	22	1580	< 2	< 5	10	126	0.07	< 10	< 10	55	< 5	30
88-16 86-88	205	238	< 1	0.03	7	1710	2	< 5	5	148	0.13	< 10	< 10	56	< 5	17
88-16 88-90	205	238	< 1	0.03	11	1760	4	< 5	5	115	0.27	< 10	< 10	97	< 5	73
88-16 90-92	205	238	2	0.02	11	1650	< 2	< 5	9	144	0.18	10	< 10	114	< 5	77
88-16 92-94	205	238	1	0.03	12	1680	6	5	10	208	0.18	20	< 10	140	< 5	84
88-16 94-96	205	238	3	0.03	10	1800	< 2	< 5	13	165	0.10	10	< 10	131	< 5	87
88-16 96-98	205	238	1	0.03	11	1930	2	< 5	8	166	0.27	10	< 10	134	< 5	91
88-16 98-100	205	238	3	0.03	11	1660	10	< 5	14	139	0.23	10	< 10	172	< 5	83
88-16 100-102	205	238	< 1	0.03	9	1740	< 2	< 5	9	150	0.30	< 10	< 10	151	< 5	77
88-16 102-104	205	238	1	0.03	9	1770	4	5	10	181	0.28	< 10	< 10	145	< 5	89
88-16 104-106	205	238	12	0.02	11	780	18	< 5	13	265	0.08	< 10	< 10	98	< 5	55
88-16 106-108	205	238	1	0.03	11	1900	4	< 5	7	153	0.33	< 10	< 10	135	< 5	90
88-16 108-110	205	238	2	0.06	13	1470	2	< 5	8	76	0.28	< 10	< 10	133	< 5	75
88-16 110-112	205	238	1	0.03	11	1770	2	< 5	7	94	0.22	< 10	< 10	130	< 5	86
88-16 112-114	205	238	1	0.03	8	1870	6	< 5	4	83	0.24	< 10	< 10	108	< 5	81
88-16 114-116	205	238	1	0.03	11	1780	< 2	< 5	9	188	0.27	< 10	< 10	142	< 5	88
88-16 116-118	205	238	1	0.03	11	1750	10	5	11	152	0.25	< 10	< 10	152	< 5	86
88-16 118-120	205	238	1	0.04	11	1940	< 2	5	6	112	0.35	< 10	< 10	145	< 5	91
88-16 120-122	205	238	< 1	0.03	10	1630	< 2	< 5	5	85	0.27	10	< 10	111	< 5	78
88-16 122-124	205	238	< 1	0.04	8	1700	2	5	5	197	0.25	< 10	< 10	108	< 5	78
88-16 124-126	205	238	1	0.04	7	1790	< 2	< 5	5	140	0.26	< 10	< 10	110	< 5	81
88-16 126-128	205	238	1	0.04	7	1780	8	< 5	4	123	0.24	10	< 10	105	< 5	76
88-16 128-130	205	238	1	0.04	10	1750	10	5	6	112	0.27	< 10	< 10	127	< 5	82
88-16 130-132	205	238	< 1	0.04	8	1780	4	< 5	7	145	0.32	10	< 10	127	< 5	71
88-16 132-133.8	205	238	< 1	0.04	9	1800	10	< 5	5	163	0.26	< 10	< 10	111	< 5	74

CERTIFICATION : B. Caughlin

APPENDIX 6

ORTHOPHOTO BASE MAPS



SHEET INDEX

3	4
	2

PRELIMINARY RECONNAISSANCE TYPE MAPPING
SCALE AND ELEVATION DATUM BASED ON LIMITED GROUND CONTROL
RESULTING IN GOOD RELATIVE BUT UNCERTAIN MAP ACCURACY.

McElhanney

REF. NO. 50890-

MCELHANNEY GEOSURVEYS LTD.
200-1166 ALBERNI STREET VANCOUVER B.C.

COMPILED FROM AERIAL PHOTOGRAPHY TAKEN IN 1985
AT AN APPROXIMATE SCALE OF 1:15000

MAP SCALE 1:5,000	CONTOUR INTERVAL 5 METRES
DATE COMPILED OCTOBER 1989	SHEET NUMBER 1 OF 4

VITAL PACIFIC RESOURCES LTD.
Kamloops Mining Division, B.C. NTS 92 P/3

HAIDA GOLD PROJECT

ORTHOPHOTO

SHEET INDEX

3	4
1	2

PRELIMINARY RECONNAISSANCE TYPE MAPPING
SCALE AND ELEVATION DATUM BASED ON LIMITED GROUND CONTROL
RESULTING IN GOOD RELATIVE BUT UNCERTAIN MAP ACCURACY.

McElhanney

REF. NO. 50890-

McELHANNEY GEOSURVEYS LTD.
200-1166 ALBERNI STREET VANCOUVER B.C.

COMPILED FROM AERIAL PHOTOGRAPHY TAKEN IN 1985
AT AN APPROXIMATE SCALE OF 1:15000

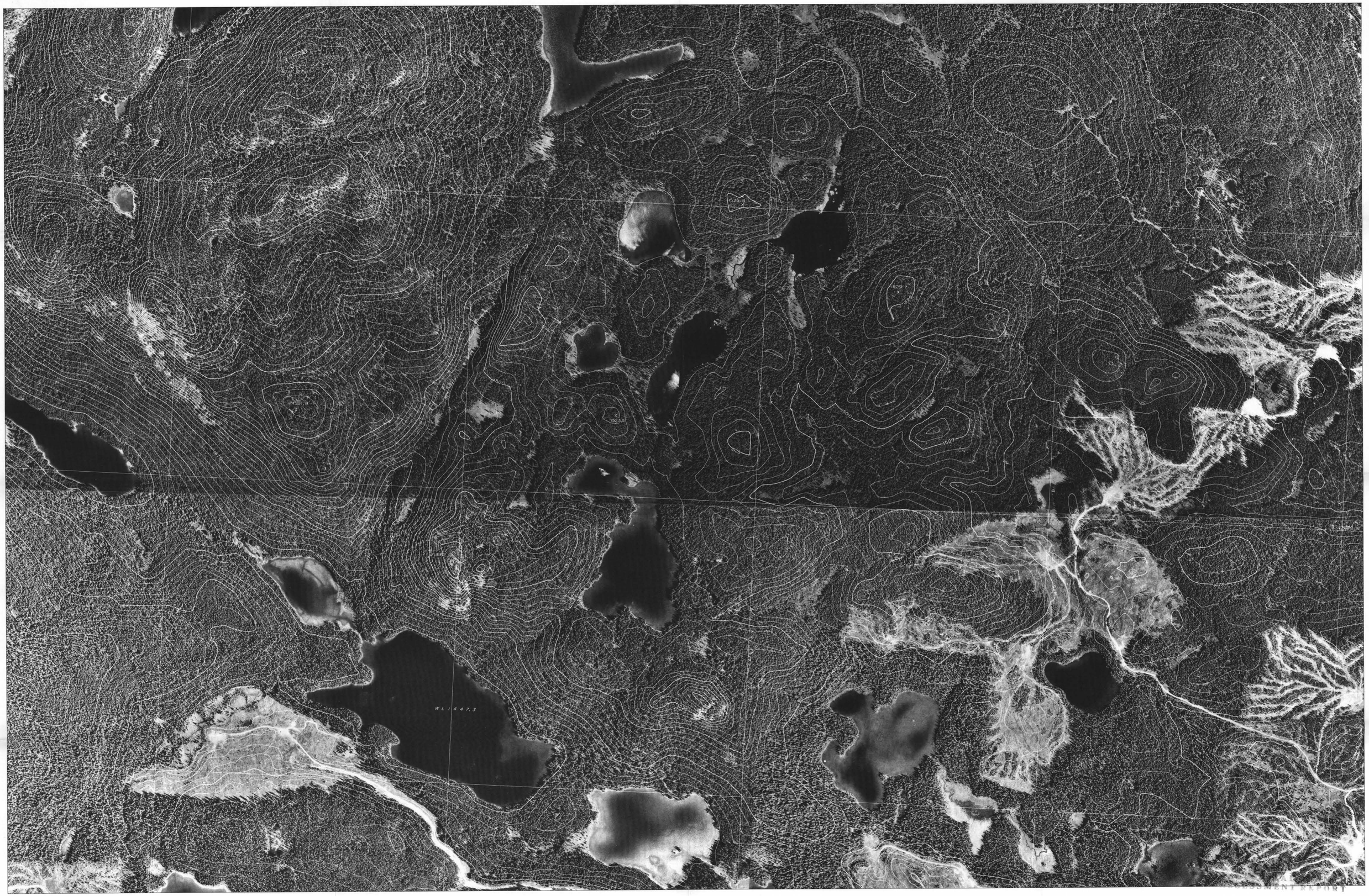
MAP SCALE	1:5,000	CONTOUR INTERVAL	5 METRES
DATE COMPILED	OCTOBER 1988	SHEET NUMBER	2 OF 4

CAPITAL PACIFIC RESOURCES LTD.
Kamloops Mining Division, B.C., NTS 92P/9

HAIDA GOLD PROJECT

ORTHOPHOTO

16,796
Part 2 of 2



SHEET INDEX

3	4
1	2

PRELIMINARY RECONNAISSANCE TYPE MAPPING
SCALE AND ELEVATION DATUM BASED ON LIMITED GROUND CONTROL RESULTING IN GOOD RELATIVE BUT UNCERTAIN MAP ACCURACY.

McElhanney

REF. NO. 50890-

MCELHANNEY GEOSURVEYS LTD.
200-1166 ALBERNI STREET VANCOUVER B.C.

COMPILED FROM AERIAL PHOTOGRAPHY TAKEN IN 1985
AT AN APPROXIMATE SCALE OF 1:15000

MAP SCALE 1:5,000	CONTOUR INTERVAL 5 METRES
DATE COMPILED OCTOBER 1988	SHEET NUMBER 3 OF 4

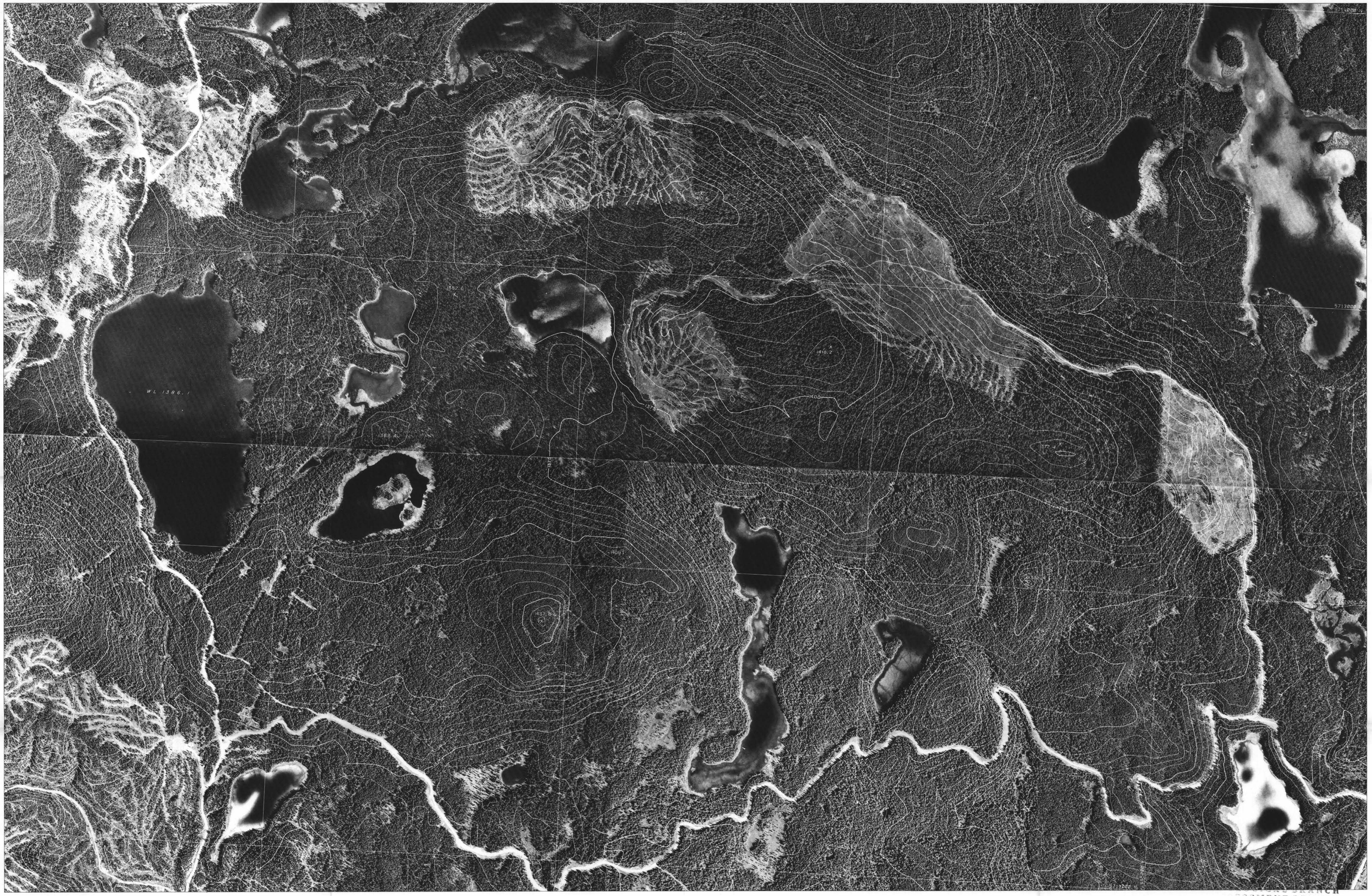
VITAL PACIFIC RESOURCES LTD.
Kamloops Mining Division, B.C., NTS 92I/9

HAIDA GOLD PROJECT

ORTHOPHOTO

16,796

Part 2 of 2



SHEET INDEX

3	4
1	2

PRELIMINARY RECONNAISSANCE TYPE MAPPING
SCALE AND ELEVATION DATUM BASED ON LIMITED GROUND CONTROL RESULTING IN GOOD RELATIVE BUT UNCERTAIN MAP ACCURACY.

McElhanney

REF. NO. 50898-

MCELHANNEY GEOSURVEYS LTD.
200-1166 ALBERNI STREET VANCOUVER B.C.

COMPILED FROM AERIAL PHOTOGRAPHY TAKEN IN 1985 AT AN APPROXIMATE SCALE OF 1:15000

MAP SCALE	1:5,000	CONTOUR INTERVAL	5 METRES
DATE COMPILED	OCTOBER 1989	SHEET NUMBER	4 OF 4

VITAL PACIFIC RESOURCES LTD.
Kamloops Mining Division NTS 92P/9

HAIDA GOLD PROJECT
ORTHOPHOTO

18,796

Part 2 of 2