GEOCHEMICAL AND DIAMOND DRILLING PROGRAM

of the

TASEKO PROPERTY

CLINTON MINING DIVISION, B.C.

NTS 92O/3W

LATITUDE 51°05', LONGITUDE 123°24'W

for

WESTPINE METALS LTD.
900-475 Howe St.
Vancouver, B.C.

by

ELLEN LAMBERT, M.Sc., FGAC

Vancouver, BC

November 22, 1989

TABLE OF CONTENTS

LIST OF FIGURES

SUMMARY

Property - The Taseko Property is located 225 km north of Vancouver in southwestern British Columbia along the eastern flank of the Coast Range. The property consists of 64 units and is in the Clinton Mining Division. Access is by four-wheel drive vehicle from Williams Lake (270 km) through the town of Hanceville.

History - Gold was discovered at the Taylor-Windfall mine in the 1920's. The area in and around the Taseko Property received intense interest between 1969-1976 as a porphyry copper-molybdenum target, and again in 1985 for its epithermal gold potential. Geochemical, geophysical and drilling programs were carried out during these periods. In 1988, Alpine Exploration Corporation compiled all previous data and implemented a new phase of geochemical, prospecting and drilling exploration programs.

Property Geology - The property occurs along an east-west contact between Cretaceous-age felsic intrusives of the Coast Plutonic Complex and intense hydrothermally altered rocks also of felsic-intrusive origin. Altered rocks consist of quartz-rich and sericite-andalusite assemblages in a zone up to 2 km width. A thick sequence of volcanic strata belonging to the Kingsvale Group occurs north of the alteration zone. The nature and extent of alteration suggests the area was subject to a late-Cretaceous, magmatic-hydrothermal event resulting in the vertical zonation of alteration and mineral assemblages.

Mineralization - Two major mineral showings occur on the property: the Empress Showing, where copper-gold mineralization occurs with disseminated chalcopyrite, pyrite, molybdenite and magnetite in quartz-sericite altered lithologies adjacent the Coast Range batholith, and the Buzzer Showing where chalcopyrite and molybdenite occur disseminated and as sulphide-filled vugs within the batholith. In addition, 4 anomalous zones have been defined based on copper and gold geochemistry: the East Zone, Breccia Zone, Central Zone and West Buzzer Zone.

1989 Program and Results - Geochemical and diamond drilling programs were conducted at the Empress and Buzzer Showings, the East Zone, Breccia Zone and West Buzzer Zone. 414 soil and 57 rock samples were collected and 1891 m (6402 ft) of diamond drilling were completed in sixteen holes. The most encouraging rock samples came from the Empress Showing, the highest value being 7.05% Cu and 0.302 oz/t Au. The best drill intersections came from holes W89-12 (with 69.2 m of 0.57% Cu and 0.014 oz/ton Au), and W89-8 (with 35.4 m of 0.59% Cu and 0.023 oz/ton Au.

Recommendations - Continued drilling of the Empress Showing and East Zone, preliminary drilling of the Breccia Zone and fill-in soil geochemistry of the Central Zone.

INTRODUCTION

The author was engaged by Alpine Exploration Corporation from August 11 to September 26, 1989, to supervise a rock/soil sampling and diamond drilling program on the Taseko Property. 414 soil and 57 rock samples were collected from an established grid area, and 1891 meters (6204 feet) of NQ drill core were recovered in 16 drill holes from the Empress, East and Buzzer Showings. The author logged and sampled core during the 6.5-week program.

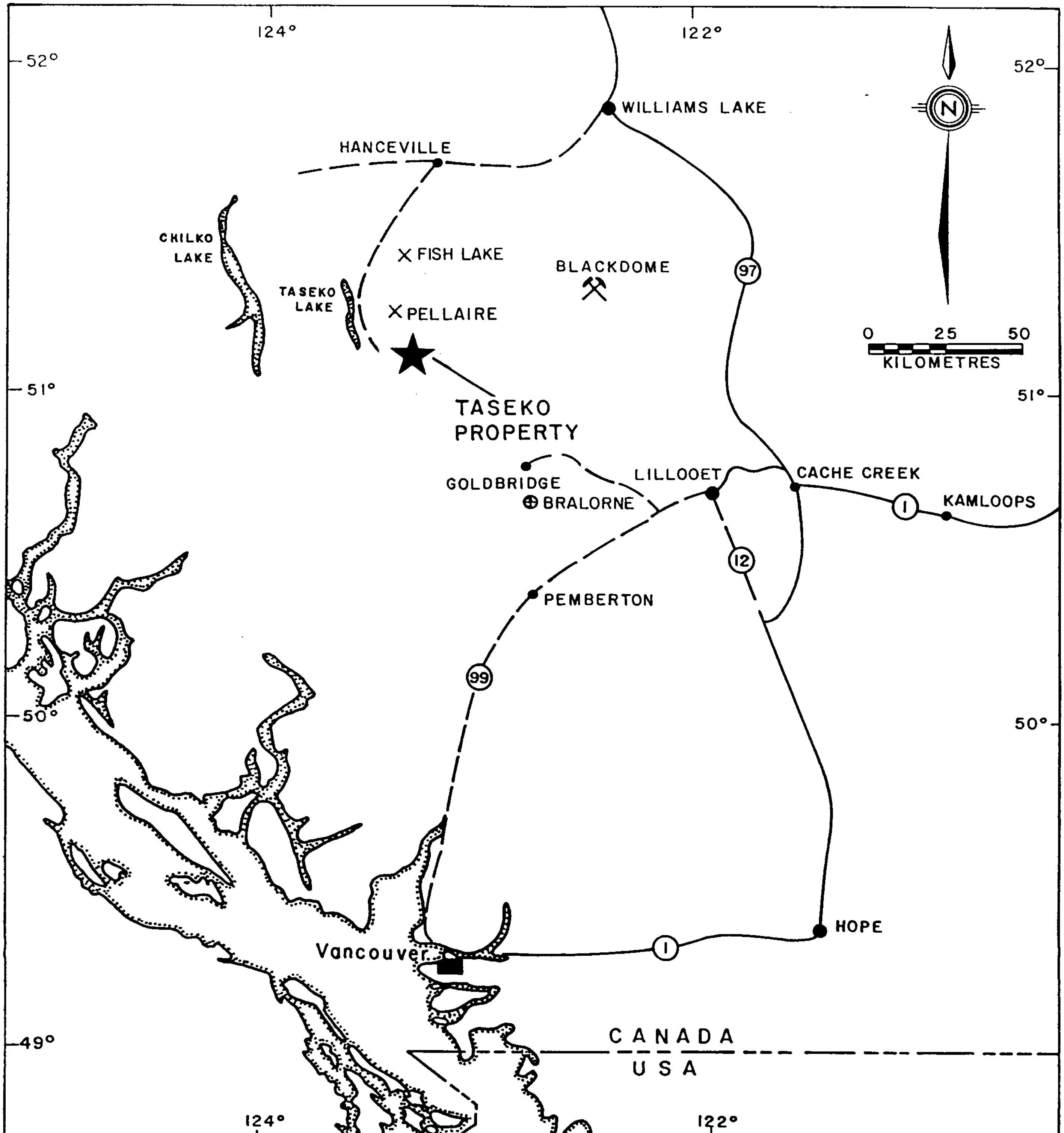
This report describes the exploration program conducted on the property in August and September 1989. Notable references describing previous work include K. Nakashima (1970), K. Uchida et al (1970), M.R. Wolfhard (1976), W.D. Melnyk et al (1986) and E. Lambert (1988, 1989).

LOCATION, ACCESS, PHYSIOGRAPHY

Location - The Taseko Property is located 225 km north of Vancouver, British Columbia, in the Clinton Mining Division (Figure 1). It lies 10 km southeast of Taseko Lakes on the Taseko River, at 51°05′ latitude and 123°24′ west longitude, NTS Map 92O/3W.

Access - The property can be reached by road from Williams Lake (270 km) or by helicopter from Gold Bridge (48 km), Pemberton (100 km), or Lillooet (120 km). Road access from Williams Lake follows Route 20 west to Hanceville, then southwesterly to Taseko Lakes, and southeasterly along the Taseko River to the claim area. Four-wheel drive vehicles are necessary for sections of the road south of Hanceville. At the present time there is no bridge over the Taseko River for access to the southern portion of the property. The river can be forded by a 4WD truck during low water levels. The property contains a network of old mining roads in various stages of overgrowth, providing easy access to earlier trenches and drill sites.

Physiography - The claims area consists of a broad, U-shaped valley occupied by the Taseko River and its numerous tributaries. Elevation on the property ranges from 1500 m in the valley to 2350 m at ridge crests. At lower elevations the terrain is covered by widely spaced, mature lodgepole pine trees, with balsam fir and white pine occurring at higher elevations. Glacial cover consists of sporadic sandy-skeletal morainal deposits that appear to be relatively thin but extensive (typical depth is 3-9 m). Rock exposures are scarce and generally confined to creeks and steep slopes.



× MINERAL OCCURRENCE

⊕ PAST PRODUCER

⚒ PRODUCER

WESTPINE METALS LTD.		
TASEKO PROPERTY LOCATION MAP AND MINERAL DEPOSITS		
E.E. LAMBERT, P.GEOL.		
N.T.S. 92 O/3W	SCALE: 1:1,852,000	FIG.
DATE: MARCH 1989	DRAWN: E.L./dw	1

CLAIMS INFORMATION

The property is comprised of 5 four-post and 13 two-post mineral claims totalling 64 units held by Westpine Metals, consisting of the following claims (Figure 2):

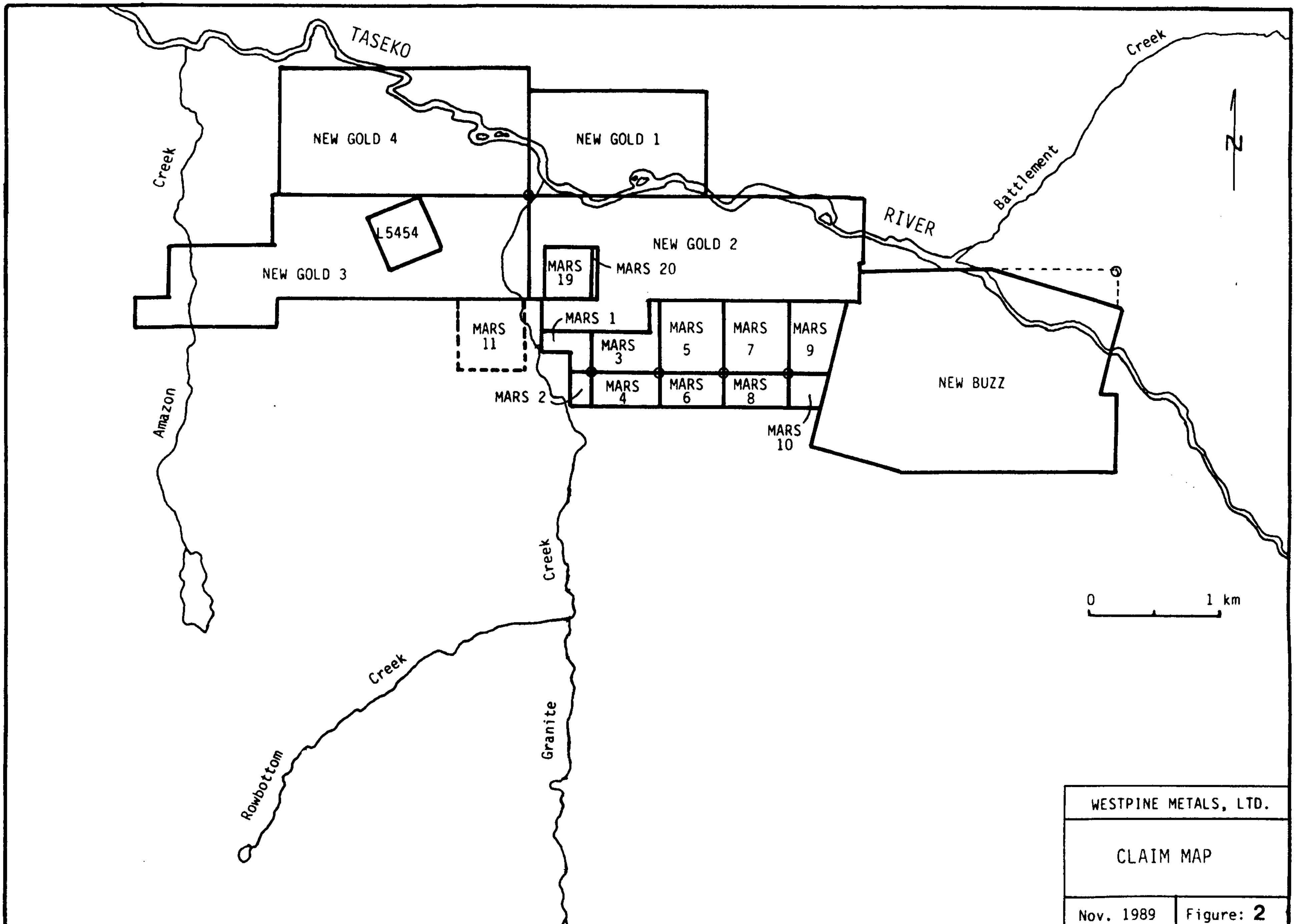
Claim Name	Units	Record #	Expiry Date
New Gold 1	6	2707	Sep. 24, 1992
New Gold 2	10	2698	Aug. 30, 1992
New Gold 3	12	2697	Sep. 12, 1992
New Gold 4	8	2708	Sep. 24, 1992
New Buzz	15	2706	Sep. 26, 1992
Mars 1	1	2786	Oct. 21, 1992
Mars 2	1	2787	Oct. 21, 1992
Mars 3	1	2788	Oct. 21, 1992
Mars 4	1	2789	Oct. 21, 1992
Mars 5	1	2790	Oct. 21, 1992
Mars 6	1	2791	Oct. 21, 1992
Mars 7	1	2792	Oct. 21, 1992
Mars 8	1	2793	Oct. 21, 1992
Mars 9	1	2794	Oct. 21, 1992
Mars 10	1	2795	Oct. 21, 1992
Mars 11	1	2796	Oct. 21, 1992
Mars 19	1	2797	Oct. 21, 1992
Mars 20	1	2798	Oct. 21, 1992

The Mars 11 claim was staked over an existing claim (Cop 5) and therefore is not valid. The assessment work was mistakenly filed on it.

PROPERTY HISTORY

1910's-1920's - Between 1909 and 1920, many large bog-iron deposits were discovered by prospectors in the Taseko Lake area. These deposits, consisting of bedded limonite, formed as a result of erosion and oxidation of heavily pyritized volcanic rocks (Crossland, 1920). In 1922, copper-gold porphyry mineralization was discovered in the vicinity of the Taseko Property at the Mohawk and Spokane Showings (see Figure 4; Macrae, 1984). Consolidated Mining and Smelting Co. Ltd. dug numerous trenches and drove cross-cuts on these prospects in 1927-1928 (Quadros, 1981). The Mother Lode, a mineralized breccia zone situated southeast of the Mohawk Showing, was also discovered at this time.

1930's-1960's - Further work was carried out by Taseko Motherlode Gold Mines Ltd. in 1933-1934 on the Mohawk and Spokane Showings. Canadian Explorations Ltd. (1956) conducted additional trenching and preliminary drilling on the Spokane Showing, as well


TASEKO
RIVER
Creek
Battlement
Creek
Amazon
NEW GOLD 4
NEW GOLD 1
NEW GOLD 2
NEW GOLD 3
L5454
MARS 19
MARS 20
MARS 1
MARS 11
MARS 2
MARS 3
MARS 4
MARS 5
MARS 6
MARS 7
MARS 8
MARS 9
MARS 10
NEW BUZZ
N
0
1 km
Creek
Granite
Creek
Rowbottom
WESTPINE METALS, LTD.
CLAIM MAP
Nov. 1989
Figure: 2

as exploration on the Rowbottom shear zone exposed in Rowbottom Creek. Phelps Dodge (1963) drilled 8 diamond drill holes from the Spokane Showing eastward to the Buzzer Showing exploring for Cu-Mo porphyry deposits in granodiorite.

1960's-1970's - From 1969 to 1976, prospects in and adjacent to the Taseko Property (including the Buzzer and Empress Showings) were extensively explored for Cu-Mo porphyry potential by the following companies:

(1) Scurry Rainbow Oils Ltd. (1969) - 16 DD holes, geological mapping, trenching, JEM-IP-MAG surveys;

(2) Sumitomo Metals Mining Canada Ltd. (1970) - 64 percussion drill holes, geological mapping, 82 km of grid layout, IP-MAG survey, 3550 soil samples;

(3) Quintana Minerals Corp. (1975 & 1976) - 9 DD holes, 39 percussion drill holes.

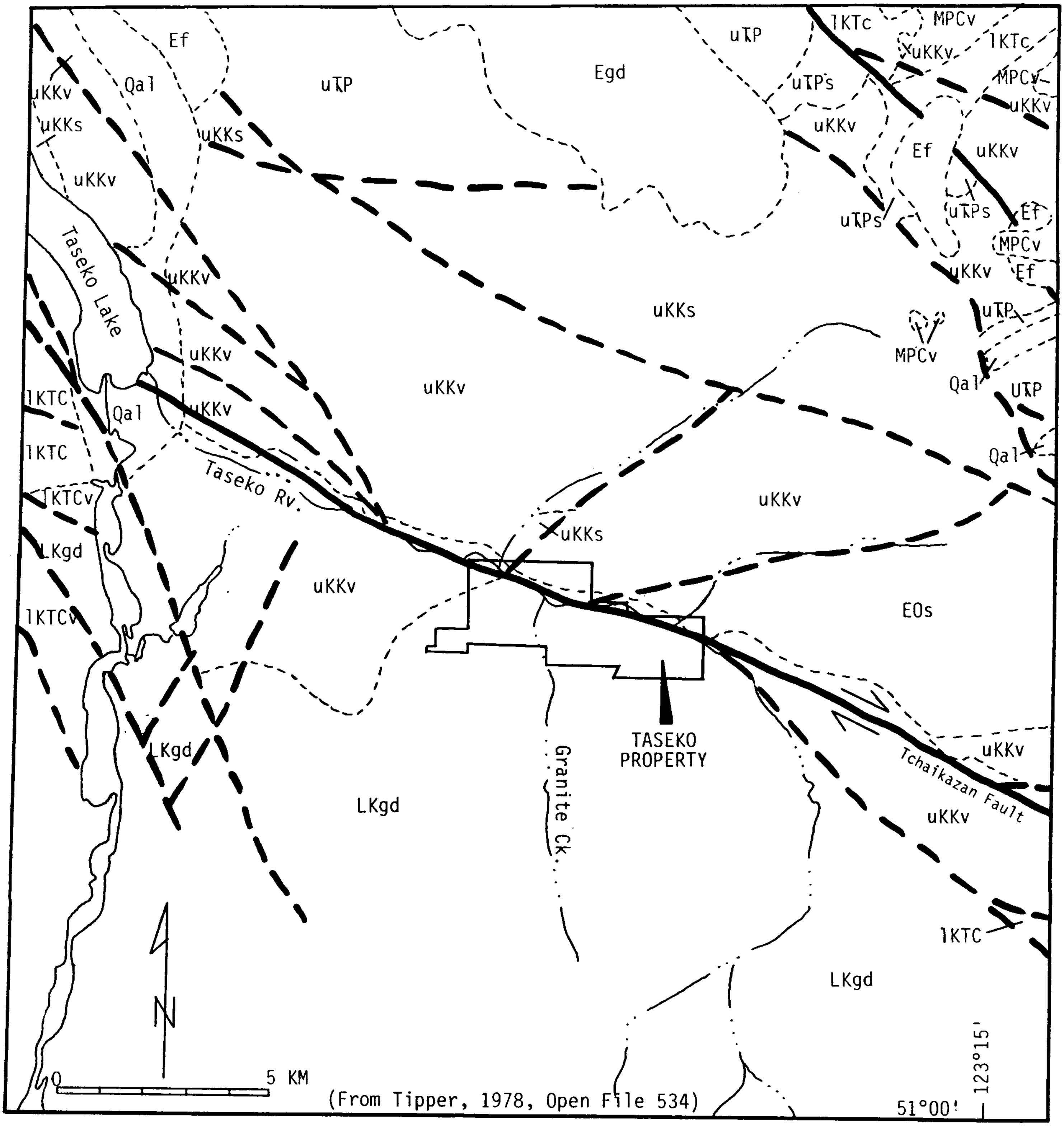
1980's - Esso Resources Canada, Ltd. optioned the property from Scurry Rainbow Oil Ltd. in 1985 and conducted a detailed program of geological mapping, geochemical sampling and geophysical surveying. The thrust of their exploration attempts was to locate economic concentrations of epithermal gold mineralization. No drilling was performed and the option was dropped.

The property was restaked by New World Mines Development Ltd. after Scurry Rainbow allowed it to expire. Alpine Exploration Corporation and joint-venture partner Westley Mines Ltd. optioned the property in early 1988. A geochemical, prospecting, geological and diamond drilling program was implemented in August and September 1988, with Alpine Exploration as the operator. In March 1989, Westley Mines and Alpine Exploration vended their interest in the Taseko Property to Westpine Metals Ltd.

REGIONAL GEOLOGIC SETTING AND MINERALIZATION

Regional Geology

The Taseko Property occurs on the northeastern margin of the Coast Plutonic Complex of Jurassic to Cretaceous age (Figure 3; Tipper, 1969 & 1978). Granitic magma of the Coast Plutonic Complex intruded sedimentary and volcanic rocks of Triassic to Cretaceous age. The oldest rocks of the area are basalts, pyroclastics and argillites of the Pioneer Formation, a subdivision of the upper Triassic Cadwallader Group. Overlying the Cadwallader Group are shales, siltstones, conglomerates, intermediate to mafic flows and pyroclastics of the lower Cretaceous Taylor Creek Group. Triassic to lower Cretaceous strata are tightly folded in NW trending folds.



(From Tipper, 1978, Open File 534)

Qal	Quaternary Sediments
MPCv	Miocene-Pliocene Chilcotin Gp. Volcanics
EOs	Eocene-Oligocene Sheba Group Volcanics
Ef	Eocene Felsic Intrusives
Egd	Eocene Granodiorite
uKK s/v	Upper Cretaceous Kingsvale Group Sediments & Volcanics
lKTC	Lower Cretaceous Taylor Creek Group Sediments & Volcanics
LKgd	Late Cretaceous Granodiorite = Coast Plutonic Complex (CPC)
uTPs	Upper Triassic Cadwallader Gp. Pioneer Formation
— — — (heavy)	Fault
- - - - -	Geologic Contact

WESTPINE METALS LTD.

TASEKO PROPERTY

REGIONAL GEOLOGY

E.E.LAMBERT,P.GEOL.

DRAWN: E.E.L./dw	SCALE:	FIG.
DATE: MARCH 1989	N.T.S.920/3W	3

Gently folded upper Cretaceous volcaniclastic sandstones, tuffs and breccias that correlate with the Kingsvale volcanics unconformably overlie the older, deformed strata. These volcanic rocks are divided into 5 members (Glover and Schiarizza, 1986). Facies changes along northwest trending normal or strike-slip faults suggest that sedimentation occurred within a northwest-trending trough coincident with faulting.

Upper Cretaceous strata are unconformably overlain by rhyolite, dacite and basalt flows and pyroclastic rocks of Eocene age. Locally interstratified conglomerates suggest the Eocene volcanics were erupted synchronously with block-fault graben development. The youngest rock units of the area are andesite and basalt flows and pyroclastics of the upper Miocene and/or Pliocene Chilcotin Group.

Intrusive rocks in the Taseko area include quartz diorite to quartz monzonite of the Coast Plutonic Complex (86 Ma), and later hornblende porphyry stocks and dikes that intrude the Coast Plutonic Complex and adjacent volcanic-volcaniclastic units. In addition, biotite-bearing porphyry stocks and dikes intrude Eocene strata.

Regional Mineralization

Significant mineral deposits in the region east of the Coast Ranges and within 100 km of the Taseko Property are plotted on Figure 1 and include the following (data from MMEPR, 1987):

(1) Blackdome: 254,000 tons: 0.739 oz/ton Au, 2.41 oz/ton Ag

(2) Bralorne: 740,000 tons: 0.286 oz/ton Au

(3) Fish Lake: 204,000,000 tons: 0.25% Cu, 0.014 oz/ton Au, 0.035 oz/ton Ag

(4) Pellaire: 67,100 tons: 0.669 oz/ton Au, 2.34 oz/ton Ag

In the immediate area of the Taseko Property, mineral occurrences are numerous. A cross-section of all the occurrences suggests vertical zonation through a late Cretaceous magmatic-hydrothermal system (Turner, 1988). Deep level mineralization occurs in the batholith to the south with higher levels of mineralization occurring to the north within volcanic rocks.

PROPERTY GEOLOGY

The Taseko Property is generally covered by an extensive blanket of glacial till and outcrops are sparse. Property geology is therefore determined by exposures in trenches, creeks, road cuts and drill core.

The southern part of the property is underlain by quartz diorite to quartz monzonite belonging to the Coast Plutonic Complex (Figure 1; Glover and Schiarizza, 1986); the northern part is underlain by volcanic strata probably correlative with the upper Cretaceous Kingsvale Group. The contact between the intrusive and volcanics is not exposed but is inferred from drilling.

An intense hydrothermal alteration zone, up to 2 km in width, occurs north of fresh granodiorite. Previous investigators considered rocks within the alteration zone to have originally been volcanic strata, but evidence collected from the 1989 drill program indicates the altered rocks are predominantly felsic intrusives. Beyond the alteration zone to the north, volcanic strata is exposed in prominent cliffs and consists of massive to porphyritic andesitic flows, pyroclastics and conglomerates (McMillan, 1976; Melnyk, 1986). Strata trend NE to NW and dip between 15-35° north.

A large, north-trending, quartz-feldspar-porphyry dike cuts across intrusive and altered lithologies just west of the Empress Showing and appears to postdate alteration and mineralization (Livingstone, 1976). Other post-alteration dikes include aplite, latite, rhyolite, quartz diorite and basalt. Two joint sets, trending NE-SW, and NW-SE, match the attitudes of the dikes (Nakashima, 1970).

An intrusive breccia-pipe outcrops along drill roads approximately 1 km east of the Empress Showing (see Breccia Zone, Figure 6). The breccia pipe is exposed in a 400 m x 150 m area and consists of altered (quartz-sericite-K feldspar?) intrusive fragments in a chlorite-magnetite (+/- pyrite) matrix (Melnyk et al, 1986).

At the present stage of exploration, a clear structural picture has not as yet evolved. Shear zones, gouge, fault breccias and mylonitic textures intersected in drill holes, as well as offset lithologies from hole to hole, indicate a complex structural evolution.

PROPERTY ALTERATION

A major portion of the Taseko Property is situated within the 2 km wide alteration zone north of the batholith. Rocks within this zone have undergone pervasive silicification, argillic and aluminosilicate alteration. The most common alteration minerals in the vicinity of the Empress Showing include quartz, sericite[1] , andalusite, clay, magnetite, chlorite and pyrite. The rocks have been so completely altered that determination of the original lithologies is in many places impossible. Relict intrusive textures were observed in numerous sections of core and suggest the bulk of the altered rocks were originally felsic intrusives. Local chlorite + magnetite-rich rocks may represent altered basic units such as basaltic/andesitic dikes or mafic volcanics.

PROPERTY MINERALIZATION

Mineralization is found exposed in two localities on the Taseko Property, historically referred to as the Buzzer and Empress Showings (Figure 6).

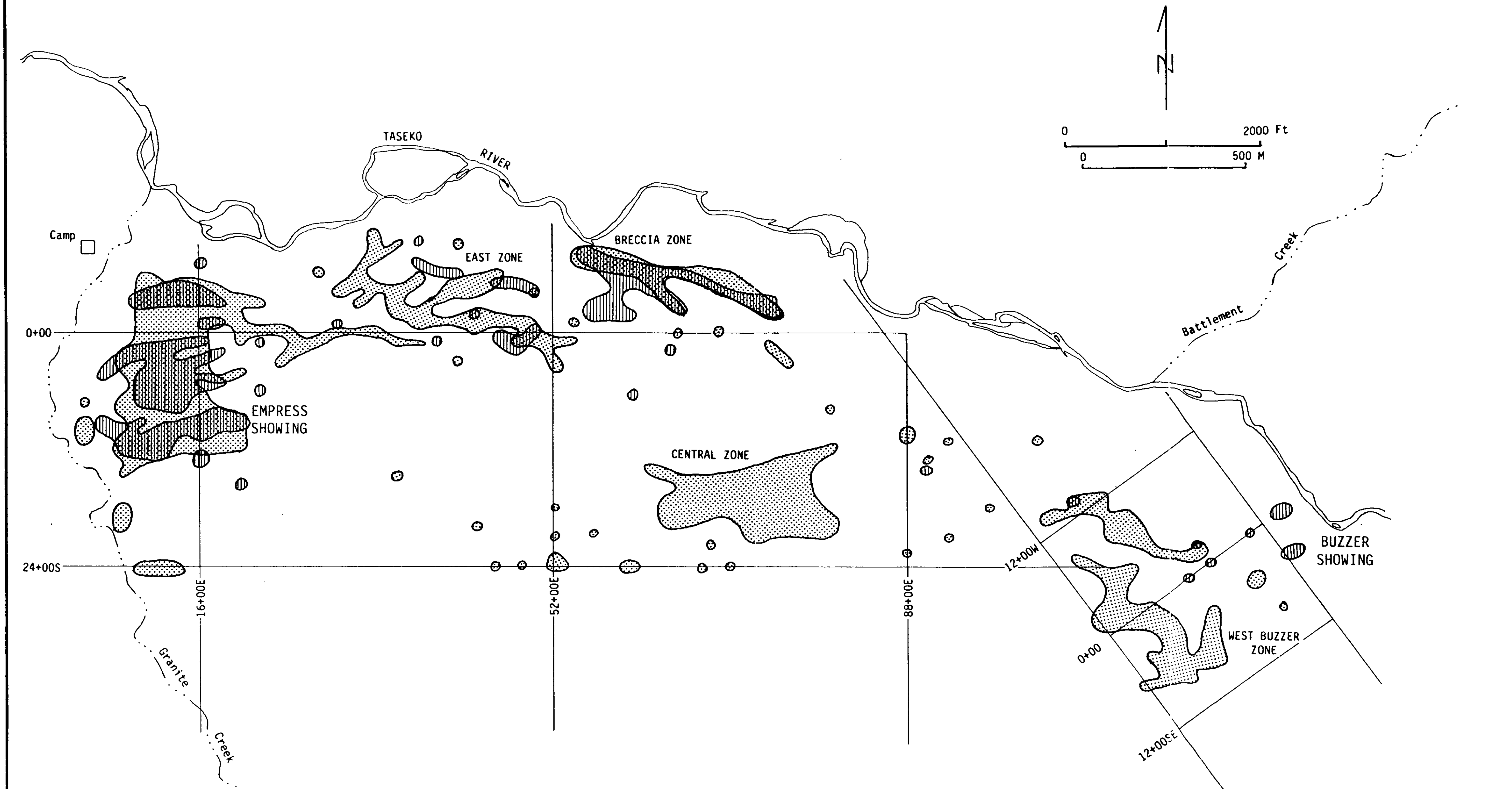
The Buzzer Showing exposes Cu-Mo mineralization in numerous trenches. Sulphides, along with quartz and flaky sericite(?) occur as vug fillings in fresh or altered granodiorite (McMillan, 1976). The sulphides consist mainly of chalcopyrite and pyrite with local molybdenite.

At the Empress Showing, Cu-Au mineralization has been intersected in numerous drill holes and is locally exposed in trenches. Pyrite, chalcopyrite, magnetite and local molybdenite and pyrrhotite occur in altered rocks showing intense silicification and aluminous alteration. Sulphides are typically disseminated, but also occur as veinlets and fracture coatings.

In addition to these two showings, four anomalous zones situated between the Empress and Buzzer have been delineated mainly on the basis of soil geochemistry. These zones are indicated in Figure 6, a composite soil geochemistry map consisting of data from 1971 (Sumitomo), 1986 (Esso), 1988 (Alpine) and 1989 (Westpine). These four zones consist of the following:

---

[1]) Acid etching and staining conducted in the field indicates the white mica so commonly observed within the alteration zone is not K+ bearing, and may instead be pyrophyllite. Until conclusive identification from x-ray analysis is received, the term "sericite" will be used in this report to describe the white mica.



Cu >200 ppm

Au >50 ppb

19350

(See text for explanation)

WESTPINE METALS LTD.	
TASEKO PROPERTY SOIL GEOCHEMISTRY	
Date: Nov 1989	Figure: 6

(1) East Zone - an ESE-WNW, elongate copper anomaly occurs immediately west of line 52+00E and north of the 0+00 baseline. Gold values are spotty.

(2) Breccia Zone - E-W, elongate copper and gold anomalies occur east of line 52+00E and north of the 0+00 baseline, partially coincident with an exposed intrusive breccia-pipe.

(3) West Buzzer Zone - two, irregularly shaped copper anomalies occur west and southwest of the Buzzer Showing. Gold is spotty.

(4) Central Zone - an E-W elongate copper anomaly exists between lines 52+00E and 88+00E, and between the 0+00 and 24+00S baselines. Soil samples from this zone have not been analyzed for gold.

1989 WORK PROGRAM AND RESULTS

1989 Program

The basic goals of the 1989 program were to continue step-out drilling from the 1988 drill program, conduct preliminary drilling in the East and North Zones (the North Zone having been previously defined as the northern portion of the Empress Showing), drill test for gold mineralization at the Buzzer Showing, conduct further fill-in soil sampling in the Empress, East, Breccia and West Buzzer Zones (specifically testing for gold and copper) and perform regional reconnaissance and prospecting. The program was carried out as follows:

1. Grid Layout - A total of 11.9 km of grid was established over the Empress, East, Breccia and West Buzzer Zones, utilizing part of the old grid constructed by Sumitomo Metals in 1970. Lines run N-S at 61-122 m (200-400 ft) spacings with stations every 30 m (100 ft). The line-spacing used includes new lines for fill-in soil sampling.

2. Prospecting - Rock sampling and geological reconnaissance was conducted by Dr. Tom Richards and Willis Osborne within and around old trenches at the Empress and Buzzer Showings, in the area of the East Zone and in intervening areas. 57 rock samples, mostly float of local origin, were collected.

3. Geochemistry - Soil sampling was conducted over both re-established portions of the grid and the additional fill-in lines, thus cross-checking some of the 1970 and 1986 geochemical surveys as well as adding new data. 414 soil samples were collected by shovel from the B horizon.

4. Diamond Drilling - Sixteen drill holes were completed and 1891 m (6204 ft) of NQ core was recovered. 13 holes were drilled at the Empress Showing, 1 hole in the East Zone and 2 holes at the Buzzer Showing (Figures 4, 5 and 7). Newmac Industries Ltd. from Kamloops was the drilling contractor. 646 core samples were sent for analysis.

Soil, rock and drill core samples were all geochemically analyzed by Vangeochem Lab Ltd. of Vancouver B.C., for 25 elements using standard ICP analysis techniques, and for gold by fire assay with atomic absorption finish.

A description of rock samples, details of drilling results and assay certificates all appear in the appendix.

Results

Soil Geochemistry - Results of the soil survey confirmed the existence of a strong copper and coincident gold anomaly over the Empress Showing, enhanced the East Zone copper anomaly, extended the Breccia Zone copper and gold anomaly an additional 300 m eastward, and confirmed a strong copper anomaly over the West Buzzer Zone (see Figure 6). Results appear in Figures 4 and 5.

Rock Geochemistry - Results of surface rock sampling show high values in both copper and gold (see Figures 4 and 5), especially from the Empress Showing. Of the 57 total rock samples collected, 7 gave values over 1% copper of which four returned gold values over 4200 ppb (0.12 o/t Au). Below are listed the more significant results:

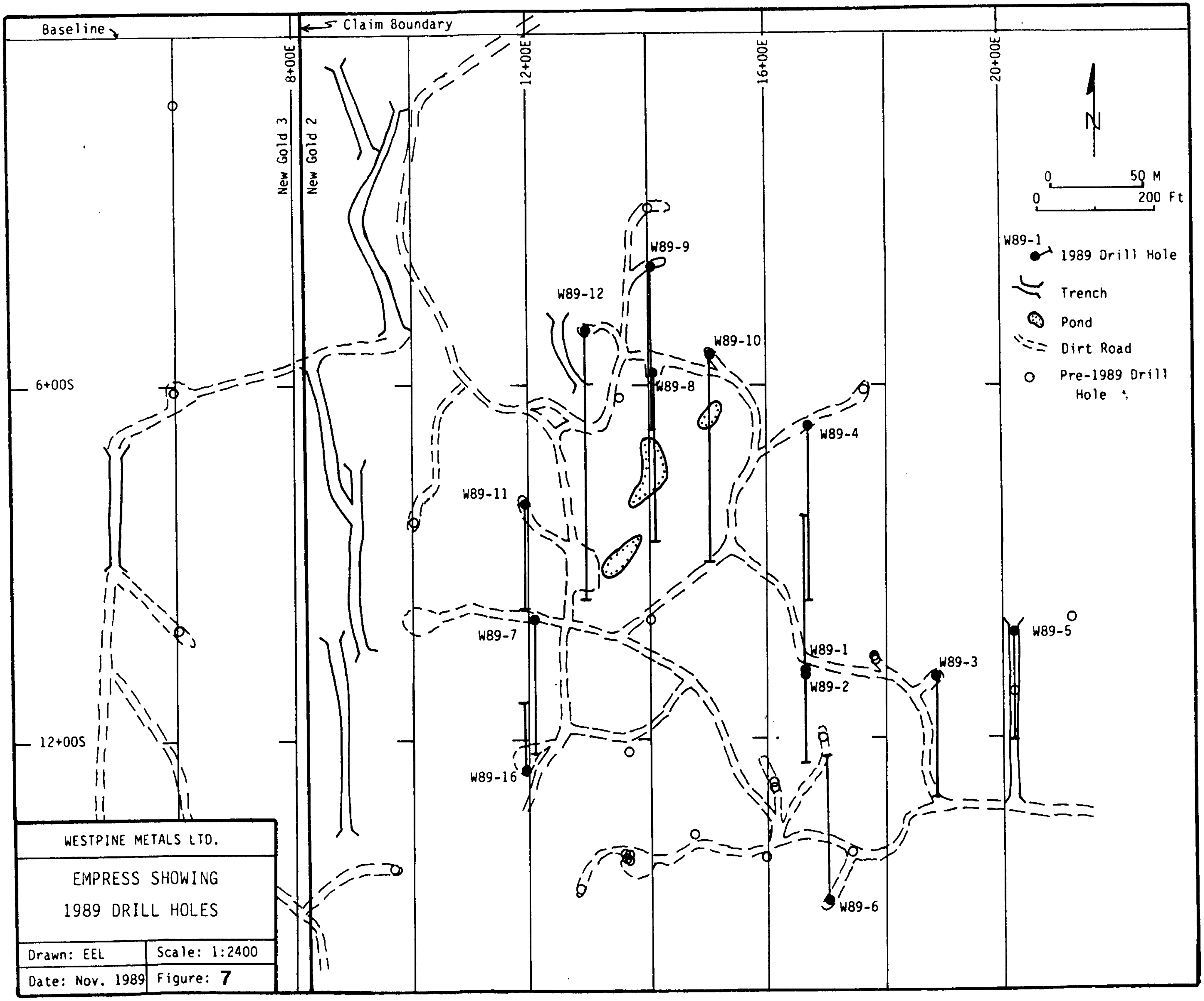
Sample No.	Cu (%)	Au (o/t)
WO8961	7.05	0.302
WO8964	6.74	0.268
WO8962	6.53	0.134
WO8966	2.62	0.122
89ZQA1	1.37	0.058
WO8970	1.30	0.063
WO8963	1.05	0.025

Overall, the lithology returning the highest values in copper and gold came from an andalusite-rich alteration assemblage collected within the Empress Showing.

Drilling Program

Empress Showing: Thirteen holes (W89-1 to W89-12, and W89-16) were drilled at the Empress Showing to further delineate mineralization encountered in holes from previous years and to test

CORE STORED ON SITE.


Baseline
Claim Boundary
8+00E
12+00E
16+00E
20+00E
New Gold 3
New Gold 2
6+00S
12+00S
W89-1
W89-2
W89-3
W89-4
W89-5
W89-6
W89-7
W89-8
W89-9
W89-10
W89-11
W89-12
W89-16
N
0 50 M
0 200 Ft
W89-1 1989 Drill Hole
Trench
Pond
Dirt Road
Pre-1989 Drill Hole
WESTPINE METALS LTD.
EMPRESS SHOWING
1989 DRILL HOLES
Drawn: EEL
Scale: 1:2400
Date: Nov. 1989
Figure: 7

geochemical anomalies. Eight of the holes intersected copper values >0.31% over widths ranging from 6.4 m to 104 m. The best intersections of copper and gold came from holes W89-8 (35.4 m of 0.59% Cu and 0.023 oz/ton Au) and W89-12 (69.2 m of 0.57% Cu and 0.014 oz/ton Au, with a higher grade section containing 10.4 m of 1.45% Cu and 0.034 oz/ton Au).

East Zone: One hole (W89-13) was drilled in the East Zone beneath a soil anomaly with a coincident magnetic anomaly. No significant mineralization was encountered.

Buzzer Showing: Two holes (W89-14 and 15) were drilled on the Buzzer Showing to test as to whether or not gold is associated with chalcopyrite ± molybdenite mineralization encountered in previous drill holes. 2.1 m of 0.63% Cu was intersected in hole W89-14 with only minor associated gold. No significant mineralization was intersected in hole W89-15.

Lithologies: The rock types most commonly encountered in drill core are described below:

(1) Quartz Rock - granular, gray quartz having the texture of "quartzite". Accessory minerals include magnetite, sericite, carbonate and rutile. One common variety is quartz-rich rock with disseminated magnetite (locally to 40%) with or without chlorite.

(2) Plagioclase-Sericite-Andalusite Rock -intergrowths of white and/or pinkish plagioclase with local alteration zones of pale green sericite and gray andalusite.

(3) Sericite-Andalusite Rock - gray aggregates of andalusite in a matrix of felted pale green sericite. Accessory minerals include blue, euhedral corundum.

(4) Quartz Diorite - plagioclase phenocrysts in a groundmass of quartz, plagioclase, K-feldspar and biotite.

Intense alteration on the Taseko Property makes determination of protoliths difficult. As a result of the 1989 drill program, a better understanding of original rock types has emerged. It has previously been assumed that altered rocks north of the batholith belonged to the Kingsvale volcanics; however, thin-section studies of drill core indicate original lithologies instead consisted of feldspar-rich intrusives of either quartz-diorite or albitite composition. This pushes the batholith-volcanic contact in the Empress area further north, possibly to the Taseko River. The quartz rock is believed to represent intense silicification of feldspar-rich intrusives.

Structure: Several major fault zones were intersected in the Empress area. These are recognized by either poor core recovery or mylonitic to fault-breccia textures. Significant offset along these faults is suggested by the fact that in certain instances very distinct rock types would be absent in adjacent holes. Narrow gouge seams are common, as well as moderately to strongly broken core. It is believed a complex structural history is present on the Taseko Property and will become better defined with further drilling.

Mineralization: Mineralization in the core consists mainly of pyrite and chalcopyrite with rare molybdenite and pyrrhotite. Microscopy of gravity concentrates of mineralized core from hole 76-3 indicates the additional presence of trace galena, sphalerite and free gold (Harris, 1988). Sulphides occur most commonly as disseminated, interstitial grains in quartz rock, andalusite rock, and less often in feldspar-rich rocks. Narrow fractures lined with pyrite and chalcopyrite were commonly observed in most rock types. The concentration of sulphides was typically 1% (the ratio of pyrite:chalcopyrite being variable), with zones ranging up to 5-20% disseminated sulphide.

Results: The following table summarizes the best intersections of copper and gold obtained from the 1989 drilling program:

Hole	Interval(m)	Width(m)	Cu(%)	Au(oz/t)
W89-1	82.0- 91.1	9.1	0.17	0.010
W89-2	26.5-118.0	91.5	0.38	0.013
	(60.7-118.0)	57.3	0.47	0.013
W89-3	5.9- 15.5	9.6	0.44	0.027
	76.2- 89.0	12.8	0.22	0.008
W89-4	110.4-139.0	28.6	0.22	0.006
W89-5	21.0- 62.2	41.2	0.23	0.005
	(21.0- 30.2)	9.2	0.31	0.012
W89-6	19.5- 25.9	6.4	0.46	0.001
	114.6-118.9	4.3	0.65	0.021
W89-7	19.8- 34.4	14.6	0.13	0.003

Hole	Interval(m)	Width(m)	Cu(%)	Au(oz/t)
W89-8	9.2-113.4	104.2	0.35	0.012
	(78.0-113.4)	35.4	0.59	0.023
	(93.0- 99.7)	6.7	1.42	0.057
	(111.0-113.4)	2.4	1.63	0.044
W89-9	30.8- 44.8	14.0	0.28	0.009
	(42.7- 44.8)	2.1	1.05	0.030
	60.4-128.0	67.6	0.25	0.009
	(60.4- 74.7)	14.3	0.39	0.014
	(115.2-128.0)	12.8	0.35	0.004
W89-10	88.7-124.1	35.4	0.38	0.014
	(102.1-114.6)	12.5	0.53	0.016
W89-11	41.8- 78.3	36.5	0.26	0.008
W89-12	26.8-217.7	190.8	0.29	0.008
	(26.8- 43.9)	17.1	0.29	0.009
	(82.6-108.5)	25.9	0.22	0.008
	(148.5-217.7)	69.2	0.57	0.014
	(163.7-174.1)	10.4	1.45	0.034
W89-13	no significant mineralization			
W89-14	37.8- 39.9	2.1	0.64	0.006
W89-15	no significant mineralization			
W89-16	8.8- 12.2	3.4	0.26	0.009

METALLURGY

Preliminary metallurgical testing of mineralized samples from the Taseko Property indicates excellent recoveries for Au (92.5%) and Cu (94.6%) using a simple floatation circuit with or without a gravity circuit (Hawthorn, 1988).

RECOMMENDATIONS

Further exploration of the Taseko Property is warranted based on the favourable 1989 drilling results and high copper-gold values returned from surface rock samples. The following is a list of recommendations for the 1990 field season:

(1) Continued diamond drilling on the Empress Showing to further trace mineralized zones encountered in 1976, 1988 and 1989 drill holes, and to locate the source of high-grade rock samples collected on the surface.

(2) Geological reconnaissance in the East and Breccia Zones to guide subsequent drilling.

(3) Continued drilling in the East Zone to test copper-soil anomalies.

(4) Preliminary drilling of the Breccia Zone where a coincident copper and gold anomaly occurs.

(5) Fill-in soil geochemistry over the Central Zone to test for gold.

STATEMENT OF COSTS

Field Personnel				**$ 26,270.00**
E.Lambert, geologist -	48 days @ $225	$10,800		
R.Stephens, field asst. -	37 days @ $150	5,550		
M.DeGrasse, cook -	48 days @ $130-150	6,520		
J.Leslie, cook's asst. -	34 days @ $100	3,400		
Contract Jobs				**153,219.28**
Diamond Drilling (6204 ft. x $20.82)			129,167.28	
Soil Sampling and Grid Layout			7,502.00	
Geological Reconnaissance			16,550.00	
Worker's Compensation				**1,413.06**
3.3% of wages of field personnel and contract geologists				
Food and Accommodation				**16,951.12**
Field: Food			6,333.26	
Camp (445 man-days @ $15/man/day)			6,675.00	
Cabin Rental ($300/week)			1,971.43	
Williams Lake: Motel, meals, transportation			1,971.43	
Transportation				**7,984.89**
Helicopter			5,074.68	
Vehicle rentals			2,910.21	
Equipment and Supplies				**2,428.99**
Field Supplies			678.99	
Equipment Rental (chain saw, radio, etc.)			1,750.00	
Mobilization/Demobilization				**1910.00**
Laboratory Analysis				**18,006.00**
Soils - 414 samples @ $13			5,382.00	
Rocks - 57 samples @ $17			969.00	
Core - 646 samples @ $17			10,982.00	
Cu and Au assays - 1 @ $8, 6 @ $6			44.00	
Over-weight sample surcharges			629.00	
Freight (for rock, soil and core samples)				**882.34**

Report Preparation		**3,000.00**
Report Writing	1,500	
Drafting, plotting, data preparation	1,000	
Reproduction	500	

TOTAL PROJECT COST $232,065.68

REFERENCES

Crossland, F.J., 1920, Taseko Valley Iron-Ore Deposits: in Annual Report of the Minister of Mines 1920, British Columbia.

Glover, J.K., Schiarizza, P., Unhoefer, P., and Garver, J., 1986, Geology of the Warner Pass area, NTS 92O/3; B.C.G.S. Open File map 1987/3.

Hawthorn, Gary W., 1988, Progress Report #1, Laboratory Metallurgical Testing, Taseko Gold/Copper Property; report for Westley Mines Ltd.

Harris, J.F., 1988, Petrographic Report of selected core samples from DDH 76-3; report for Westley Mines Ltd.

Lambert, E.E., 1988, Report on the 1988 Exploration Program of the Taseko Property; unpublished Alpine Exploration Corp. and Westley Mines Ltd. report.

Lambert, E.E., 1989, Geology, Geochemistry and Mineralization of the Taseko Property; prospectus report for Westpine Metals Ltd.

Livingstone, K.W., 1976, Geology and Drilling, Granite Creek Project; unpublished 1"=400' map for Quintana Minerals Corporation.

Macrae, Roderick, 1984, Report on the Genoveva Resource Inc. Mineral Claims for Genoveva Resource Inc.

McMillan, W.J., 1976, Granite Creek Property, 92O/3W; B.C. Ministry of Energy, Mines and Petroleum Resources, Geology in British Columbia, Geological Fieldwork 1976, pp.67-84.

Melnyk, W.D. and R.M. Britton, 1986, Geological, Geochemical and Geophysical Report on the Babbling Brook No.1, Flapjack No. 1&2, Taseko 34, Taseko 36 to 66, Taseko 72-89, Taseko 144-146, Perfect Day and Old & Rare 3; Esso Resources Canada Ltd. Assessment Report #15,676.

Melnyk, W.D., Britton, R.M. and H. Marsden, 1986, Geological, Geochemical and Geophysical Report on the Tyaughton Trough Projects; Esso Resources Canada Ltd. Assess. Report #15,755.

MMEPR, 1987, Producers and Potential Producers, Mineral and Coal; Ministry of Mines, Energy and Pet. Res. Preliminary Map 65.

Nakashima, K., 1970, Report on the Geology of the Property of Scurry Rainbow Oil Ltd., Taseko Lake Area; unpublished company report.

Quadros, A.M., 1981, The Spokane Prospect: A Review of the History, Geology and Economic Potential of a Gold-Silver-Copper Prospect on Amazon Creek; Consulting report for Mr. Felix Reyes.

Tipper, H.W., 1969, Mesozoic and Cenozoic Geology of the Northeast Part of Mount Waddington Map Area (92N), Coast District; B.C., Geological Survey of Canada, Paper 68-33.

Tipper, H.W., 1978, Taseko Lakes (92O) Map Area; 1"=4 miles Open File Map 534, Geological Survey of Canada.

Turner, R., 1988, Preliminary Report on the Taseko Property, unpublished company report for Westley Mines Ltd.

Uchida, K., Nakashima, K., Shibuya, A., Robert, I., Aoki, K., 1970, Geological survey, Taseko property; 1"=1000' map for Sumitomo Metal Mining Canada Ltd.

Wolfhard, M.R., 1976, Granite Creek Project 1976 Work; unpublished Quintana Minerals Corporation report.

STATEMENT OF QUALIFICATIONS

I, Ellen Lambert, of 5949 Toderick St., Vancouver, British Columbia, hereby certify that:

1. I am a Fellow of the Geological Association of Canada.
2. I have a Bachelor's degree in Geology from the University of Washington (1979) and a Master's degree in Geology from the University of New Mexico (1983).
3. I have practiced as a geologist part time since 1979 in the United States and Canada, and full time in mineral exploration in Canada and the U.S. since 1986.
4. This report is based upon a study of all data made available to me on the Taseko Property, and logging core by myself from September 12-26, 1988, and August 11 - September 26, 1989.
5. I have no interest, direct or indirect, in the properties or securities of Westpine Metals Ltd., nor do I expect to receive any such interest.

GEOLOGICAL ASSOCIATION OF CANADA
E. E. LAMBERT
FELLOW

November 22, 1989

Ellen Lambert
M.Sc., FGAC

APPENDIX

1989 Rock-Sample Descriptions and Results
1989 Drill-Hole Statistics
1989 Drill-Core Samples and Results
1989 Summary Drill Logs

1989 ROCK SAMPLE DESCRIPTIONS AND RESULTS

Sample	Description	Cu %	Au ppb
89BUZ1	= 3.1 m chip, altered quartz diorite, brown weathering, chlorite	0.25	370
89BUZ2	= 3.5 m chip, altered quartz diorite	0.09	230
89BUZ3	= 4.4 m chip, altered quartz diorite	0.66	270
89BUZ4	= 4.4 m chip, altered quartz diorite	0.48	240
89SBUZ5	= select manganese wad	0.70	40
89TR480	= grab; rusty quartz-sericite alteration zone	0.02	10
89TR481	= composite chip of quartz-sericite breccia zone	0.01	100
89TR482	= composite chip of quartz breccia	-	270
89TR500	= grab; chlorite/sericite/pyrite rock	0.01	20
89TR501	= grab; chlorite/sericite/pyrite rock	-	40
89TR502	= grab; chlorite/quartz rock	-	70
89TR503	= grab; sericite/chlorite/quartz/pyrite ± cpy breccia	-	20
89TR504	= grab; quartz rock	0.11	440
89TR505	= grab; quartz rock; minor cpy	0.05	60
89TR506	= grab; quartz + andalusite(?) rock	0.01	30
89TR507	= grab; quartz rock, minor cpy	0.08	80
89TR508	= grab; quartz + andalusite(?) rock; diss. cpy	0.18	190
89TR509	= grab; andalusite rock with cpy	0.64	450
89TR510	= grab; quartz rock with cpy	0.24	110
89TR511	= grab; quartz rock with cpy	0.70	660
89TR512	= grab; quartz rock with cpy	0.31	360

Rock Descriptions, Continued

Sample	Description	Cu %	Au ppb
89TR513	= grab; weathered rind of 89TR512	0.14	360
89TR514	= grab; andalusite rock with cpy	0.21	230
89TR515	= grab; weathered rind of 89TR514	0.05	160
89ZQA1	= grab; andalusite rock with cpy	1.37	2000
89ZQA2	= grab; andalusite rock with cpy	0.19	460
WO8932	= grab; monzonite with malachite, mag	0.11	60
WO8934	= grab; andalusite rock with 15% py, minor cpy	0.16	60
WO8936	= grab; quartz rock w/py, cpy, chlorite	0.26	100
WO8937	= grab; quartz diorite w/py, cpy, mag	0.06	240
WO8939	= grab; quartz rock w/py, cpy, mal, mag	0.26	250
WO8944	= grab; albitite w/quartz, andal, py, cpy	0.53	1000
WO8947	= grab; quartz, sericite, magnetite rock	0.08	100
WO8948	= grab; andesite, vesicular, partly altered to andalusite(?); w/py, cpy, mal	0.12	20
WO8952	= grab; breccia; felsite frags in mag matrix; py in frags and matrix	-	20
WO8954	= grab; quartz rock w/sericite, py, cpy	0.12	200
WO8956	= grab; quartz rock w/py, cpy	0.07	50
WO8957	= grab; quartz-sericite rock w/tourmaline? mag, py, cpy	0.01	nd
WO8959	= grab; quartz diorite with 35% mafics (bio, mag); large specks of py + cpy	0.99	880
WO8961	= grab; andalusite rock with 30% sulphides (py + cpy)	7.05	0.302*
WO8962	= grab; andalusite rock with 25% sulphides (py + cpy)	6.53	4600

Rock Descriptions, Continued .

Sample	Description	Cu %	Au ppb
WO8963	= grab; quartz-sericite-andalusite rock with 15% sulphides (mainly py, some cpy)	1.05	840
WO8964	= grab; andalusite rock with cpy, 20%	6.74	9200
WO8965	= grab; andalusite rock with 30% py, less cpy	0.82	750
WO8966	= grab; andalusite rock with 25% sulphides (py + cpy)	2.62	4200
WO8967	= grab; andalusite rock with 15% sulphides (mainly py, some cpy)	0.94	1210
WO8968	= grab; albitite, partial alteration to andalusite + sericite; 8% py, minor cpy	0.18	590
WO8969	= grab; albitite, partial alteration to andalusite + sericite; 3% py + cpy	0.16	670
WO8970	= grab; andalusite rock with 15% sulphides (py + cpy)	1.30	2150
WO8971	= grab; monzonite, partial alteration to andal + sericite; 8% sulphides (py + cpy)	0.26	340
WO8972	= grab; quartz rock w/py (10%)	0.57	1100
WO8973	= grab; quartz rock w/py (5%)	0.24	1190
WO8974	= grab; quartz diorite w/py, cpy, mal	0.45	1500
WO8975	= grab; massive magnetite w/py, cpy	0.73	170
WO8976	= grab; quartz rock w/py (10%)	0.07	90
WO8977	= grab; quartz diorite with py (25%)	0.18	140
WO8978	= grab; quartz diorite w/large specks of py + cpy	0.96	1510

* = Au in oz/ton (assay)
- = <0.01% Cu

1989 DRILL-HOLE STATISTICS

Hole	Azimuth	Dip	Depth of Overburden	Total Depth
W89-1	360°	-47°	6.4 m	118.3 m
W89-2	181°	-70°	5.5 m	131.1 m
W89-3	181°	-55°	5.5 m	109.1 m
W89-4	177°	-50°	5.2 m	140.2 m
W89-5	179°	-55°	7.6 m	99.9 m
W89-6	003°	-55°	4.6 m	133.2 m
W89-7	180°	-50°	7.6 m	108.2 m
W89-8	180°	-50°	7.6 m	136.3 m
W89-9	180°	-50°	4.3 m	133.5 m
W89-10	180°	-50°	6.1 m	165.5 m
W89-11	180°	-50°	4.9 m	86.0 m
W89-12	180°	-50°	7.6 m	217.7 m
W89-13	180°	-50°	9.1 m	122.2 m
W89-14	055°	-45°	4.3 m	87.5 m
W89-15	235°	-65°	3.0 m	51.8 m
W89-16	360°	-47°	4.9 m	50.9 m

1989 DRILL-CORE SAMPLES AND RESULTS

DDH W89-1

Az = 360° Dip = -47° Depth = 118.3 m Core Size = NQ

Interval	Width	Sample No.	Cu (%)	Au (o/t)
6.4-8.8	2.4	001	0.03	-
8.8-11.6	2.8	002	0.03	0.004
11.6-14.3	2.7	003	0.02	-
14.3-17.1	2.8	004	0.03	-
17.1-20.4	3.3	005	-	nd
20.4-22.6	2.2	006	-	nd
22.6-30.5*	7.9*	007	0.01	nd
30.5-33.8^	3.3^	008	0.01	nd
33.8-38.4#	4.6#	009	-	nd
38.4-42.1$	3.7$	010	-	nd
42.1-44.8	2.7	011	0.01	nd
44.8-47.6	2.8	012	-	nd
66.8-69.2	2.4	013	0.07	-
69.2-70.4	1.2	014	0.08	0.004
70.4-72.9	2.5	015	-	-
80.5-82.0	1.5	016	0.01	-
82.0-84.1	2.1	017	0.11	0.008
84.1-86.6	2.5	018	0.28	0.017
86.6-88.7	2.1	019	0.12	0.006
88.7-91.1	2.4	020	0.14	0.009
91.1-93.6	2.5	021	0.04	-
93.6-96.3	2.7	022	0.06	-
96.3-97.9	1.6	023	0.05	-
97.9-100.0	2.1	024	0.05	-

- = Cu value less than 0.01% and Au value less than 0.003 oz/ton
* = Lost core: only 2.7 m of core
^ = Lost core: only 2.4 m of core
# = Lost core: only 2.1 m of core
$ = Lost core: only 1.8 m of core

W89-1 Continued

Interval	Width	Sample No.	Cu (%)	Au (o/t)
100.0-102.1	2.1	025	0.05	-
102.1-104.6	2.5	026	0.01	-
104.6-106.4	1.8	027	0.19	0.010
106.4-108.2	1.8	028	0.07	0.003
108.2-110.4	2.2	029	0.15	-
110.4-113.1	2.7	030	0.08	-
113.1-115.8	2.7	031	0.05	-
115.8-118.3	2.5	032	0.06	-
47.6-50.0	2.4	033	-	nd
50.0-52.1	2.1	034	-	0.004
52.1-54.9*	2.8*	035	-	-
54.9-57.6	2.7	036	0.01	-
57.6-60.1	2.5	037	0.01	nd
60.1-64.0^	4.0^	038	-	nd
64.0-66.8	2.8	039	-	-
72.9-75.3	2.4	040	-	-
75.3-78.6#	3.3#	041	-	nd
78.6-80.5	1.9	042	-	-

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton
* = Lost Core: only 2.4 m of core
^ = Lost Core: only 2.4 m of core
# = Lost Core: only 1.5 m of core

DDH W89-2

Az = 181° Dip = -70° Depth = 131.1 m Core Size = NQ

Interval	Width	Sample No.	Cu (%)	Au (o/t)
5.5-7.6	2.1	043	0.08	-
7.6-10.1	2.5	044	0.07	-
10.1-12.8*	2.7*	045	0.02	-
12.8-15.5^	2.7^	046	-	-
15.5-18.9#	3.43	047	0.03	-
18.9-21.6	2.7	048	0.09	-
21.6-24.2	2.6	049	0.18	0.006
24.2-26.5	2.3	050	0.10	0.005
26.5-28.6	2.1	051	0.14	0.052
28.6-30.5	1.9	052	0.14	0.006
30.5-33.2	2.7	053	0.51	0.017
33.2-35.1	1.9	054	0.27	0.016
35.1-37.0	1.9	055	0.40	0.016
37.0-38.1	1.1	056	0.18	0.006
38.1-40.2	2.1	057	0.15	0.006
40.2-42.7	2.5	058	0.13	-
42.7-45.1$	2.4$	059	0.17	0.004
45.1-47.2	2.1	060	0.26	0.004
47.2-49.1	1.9	061	0.42	0.012
49.1-51.5	2.4	062	0.23	0.009
51.5-54.0	2.5	063	0.19	0.006
54.0-56.1	2.1	064	0.11	0.003
56.1-58.2	2.1	065	0.18	0.006
58.2-60.7	2.5	066	0.08	-
60.7-63.1	2.4	067	0.62	0.014
63.1-65.5	2.4	068	0.70	0.013
65.5-67.7	2.2	069	1.03	0.028

\- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton
* = Lost Core: only 2.4 m of core
^ = Lost Core: only 2.3 m of core
\# = Lost Core: only 2.3 m of core
$ = Lost Core: only 1.5 m of core

W89-2 Continued

Interval	Width	Sample No.	Cu (%)	Au (o/t)
67.7-69.8	2.1	070	0.99	0.027
69.8-72.2	2.4	071	0.83	0.020
72.2-74.4	2.2	072	0.57	0.013
74.4-76.8	2.4	073	0.58	0.012
76.8-79.0	2.2	074	0.47	0.006
79.0-81.4	2.4	075	0.15	0.003
81.4-82.6	1.2	076	0.01	-
82.6-83.8	1.2	077	0.23	0.017
83.8-85.7	1.9	078	0.01	-
85.7-87.2	1.5	079	0.25	0.004
87.2-89.6	2.4	080	0.38	0.007
89.6-91.8	2.2	081	0.24	0.004
91.8-93.9	2.1	082	0.14	0.003
93.9-96.0	2.1	083	0.31	0.004
96.0-97.6	1.6	084	0.28	0.009
97.6-99.1	1.5	085	0.38	0.007
99.1-101.5	2.4	086	0.77	0.020
101.5-103.6	2.1	087	0.45	0.010
103.6-105.8	2.2	088	0.60	0.013
105.8-107.9	2.1	089	0.35	0.006
107.9-110.4*	2.5*	090	0.44	0.007
110.4-112.5	2.1	091	0.32	0.014
112.5-114.6	2.1	092	0.26	0.006
114.6-118.0^	3.4^	093	0.61	0.026
118.0-120.1	2.1	094	0.15	0.003
120.1-121.9	1.8	095	0.29	0.004
121.9-123.8	1.9	096	0.15	0.003
123.8-125.9	1.8	097	0.07	0.003
125.9-128.0	2.1	098	0.03	-
128.0-129.9	2.1	099	0.02	-
129.9-131.1	1.2	100	0.01	-

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton
* = Lost Core: only 2.1 m of core
^ = Lost Core: only 2.7 m of core

DDH W89-3

Az = 181° **Dip = -55°** **Depth = 109.1 m** **Core Size = NQ**

Interval	Width	Sample No.	Cu (%)	Au (o/t)
5.9-8.2	2.3	101	0.46	0.016
8.2-10.7	2.5	102	0.37	0.014
10.7-13.4*	2.7*	103	0.60	0.050
13.4-15.5	2.1	104	0.29	0.012
15.5-17.4	1.9	105	0.10	0.009
17.4-19.5	2.1	106	0.11	0.006
19.5-21.3	1.8	107	0.09	0.022
21.3-23.5	2.2	108	0.15	0.004
23.5-25.6	2.1	109	0.09	0.019
25.6-27.7	2.1	110	0.11	0.006
27.7-29.6	1.9	111	0.08	0.003
29.6-31.7	2.1	112	0.06	0.004
31.7-34.1	2.4	113	0.09	0.004
34.1-36.3	2.2	114	0.19	0.004
36.3-38.4	2.1	115	0.21	0.009
38.4-40.5	2.1	116	0.26	0.013
40.5-42.7	2.2	117	0.09	0.006
42.7-44.8	2.1	118	0.14	0.006
44.8-47.0	2.2	119	0.17	0.009
47.0-49.1	2.1	120	0.12	0.005
49.1-51.2	2.1	121	0.05	-
51.2-53.3	2.1	599	0.05	nd
53.3-55.2	1.9	600	0.23	nd
55.2-57.3	2.1	601	0.10	-
57.3-59.4	2.1	122	0.09	0.003
59.4-61.9	2.5	602	0.05	-
61.9-64.5	2.6	603	0.08	-
64.5-66.5	2.0	123	0.11	0.004
66.5-68.6	2.1	604	0.03	nd

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton
* = Lost Core: only 2.1 m of core

W89-3 Continued

Interval	Width	Sample No.	Cu (%)	Au (o/t)
68.6-70.7	2.1	605	0.04	nd
70.7-72.6	1.9	606	0.06	nd
72.6-74.1	1.5	607	0.20	0.004
74.1-76.2	2.1	124	0.08	0.003
76.2-78.4	2.2	125	0.24	0.009
78.4-80.2	1.8	126	0.20	0.006
80.2-82.3	2.1	127	0.06	0.004
82.3-84.4	2.1	128	0.46	0.015
84.4-86.3	1.9	129	0.20	0.009
86.3-89.0*	2.7*	130	0.17	0.007
89.0-91.5	2.5	131	0.11	0.004
91.5-93.6	2.1	132	0.15	0.006
93.6-95.7	2.1	133	0.07	-
95.7-97.6	1.9	134	0.06	-
97.6-99.7	2.1	135	0.04	-
99.7-101.5	1.8	136	0.17	0.007
101.5-103.7	2.2	137	0.18	0.007
103.7-105.8	2.1	138	0.09	0.004
105.8-107.6	1.8	139	0.27	0.014
107.6-109.1	1.5	140	0.13	0.006

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton
* = Lost Core: only 2.1 m of core

DDH W89-4

Az = 177°   Dip = -50°   Depth = 140.2 m   Core Size = NQ

Interval	Width	Sample No.	Cu (%)	Au (o/t)
9.1-11.3	2.2	141	0.11	0.004
11.3-13.4	2.1	142	0.02	-
13.4-15.5	2.1	143	0.02	-
15.5-18.0	2.5	144	0.08	0.003
27.4-30.5*	3.1*	145	0.02	-
38.7-40.8	2.1	146	-	-
40.8-43.0	2.2	147	-	-
51.8-54.0	2.2	148	0.02	-
64.3-66.5	2.2	149	0.03	-
70.1-72.6	2.5	150	0.01	-
72.6-74.7	2.1	151	0.07	-
74.7-76.2	1.5	152	0.13	-
76.2-78.6	2.4	153	0.18	-
78.6-80.8	2.2	154	0.06	-
80.8-82.9	2.1	155	0.03	-
82.9-84.4	1.5	156	0.04	-
87.5-89.6	2.1	157	0.04	-
89.6-91.8	2.2	158	0.04	-
91.8-94.2	2.4	159	0.05	-
94.2-96.6	2.4	160	0.05	nd
96.6-98.8	2.2	161	0.04	nd
98.8-101.2	2.4	162	0.04	-
101.2-103.3	2.1	163	0.05	-
103.3-105.1	1.8	164	0.09	-
105.1-107.3	2.2	165	0.17	-
107.3-110.4	3.1	166	0.13	-
110.4-111.9	1.5	167	0.22	-
111.9-113.7	1.8	168	0.16	0.003
113.7-115.8	2.1	169	0.28	0.013

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton
* = Lost Core: only 1.8 m of core

W89-4 Continued

Interval	Width	Sample No.	Cu (%)	Au (o/t)
115.8-118.0	2.2	170	0.34	0.013
118.0-120.1	2.1	171	0.15	0.006
120.1-122.2	2.1	172	0.10	-
122.2-124.4	2.2	173	0.21	0.006
124.4-126.5	2.1	174	0.28	0.004
126.5-128.6	2.1	175	0.30	0.006
128.6-131.1	2.5	176	0.22	0.007
131.1-132.9	1.8	177	0.06	-
132.9-134.7	1.8	178	0.07	-
134.7-136.9	2.2	179	0.17	0.003
136.9-139.0	2.1	180	0.43	0.019
139.0-140.2	1.2	181	0.03	-

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton

DDH W89-5

Az = 179° **Dip = -55°** **Depth = 99.7 m** **Core Size = NQ**

Interval	Width	Sample No.	Cu (%)	Au (o/t)
8.2-10.7	2.5	182	0.08	-
10.7-12.5	1.8	183	0.07	-
12.5-15.8	3.3	184	0.05	-
15.8-18.3	2.5	185	0.06	-
18.3-19.8	1.5	186	0.03	-
19.8-21.0	1.2	187	0.13	0.003
21.0-23.5	2.5	188	0.30	0.012
23.5-25.9	2.4	189	0.15	0.008
25.9-28.0	2.1	190	0.61	0.023
28.0-30.2	2.2	191	0.22	0.006
30.2-32.3	2.1	192	0.17	0.004
32.3-34.4	2.1	193	0.12	0.003
34.4-36.6	2.2	194	0.09	0.003
36.6-38.7	2.1	195	0.14	0.004
38.7-40.8	2.1	196	0.08	-
40.8-43.0	2.2	197	0.14	-
43.0-45.4	2.4	198	0.16	-
45.4-47.9	2.5	199	0.15	0.003
47.9-50.0	2.1	200	0.25	0.003
50.0-52.1	2.1	201	0.21	0.003
52.1-54.6	2.5	202	0.22	0.003
54.6-56.7	2.1	203	0.30	0.005
56.7-58.8	2.1	204	0.35	0.006
58.8-60.4	1.4	205	0.38	0.006
60.4-62.2	1.8	206	0.23	0.003
62.2-64.0	1.8	207	0.08	-
64.0-66.1	2.1	208	0.12	-
66.1-68.3	2.2	209	0.27	0.004
68.3-70.4	2.1	210	0.14	-
70.4-72.9	2.5	211	0.24	-

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton

W89-5 Continued

Interval	Width	Sample No.	Cu (%)	Au (o/t)
72.9-75.3	2.4	212	0.05	-
75.3-77.4	2.1	213	0.05	-
77.4-79.9	2.5	214	0.05	-
79.9-82.0	2.1	215	-	-
82.0-83.8	1.8	216	-	nd
83.8-86.3	2.5	217	0.10	0.016
86.3-88.1	1.8	218	0.12	-
88.1-90.5	2.4	219	0.12	-
90.5-92.4	1.9	220	0.06	-
92.4-94.8	2.4	221	0.05	-
94.8-97.2	2.4	222	0.03	-
97.2-99.7	2.5	223	0.14	-

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton

DDH W89-6

Az = 003° Dip = -55° Depth = 133.2 m Core Size = NQ

Interval	Width	Sample No.	Cu (%)	Au (o/t)
4.6-6.7*	2.1*	224	0.14	-
6.7-8.8^	2.1^	225	0.07	-
8.8-10.7	1.9	226	0.06	-
10.7-12.5	1.8	227	0.06	-
12.5-14.9	2.3	228	0.17	-
14.9-17.4	2.5	229	0.05	-
17.4-19.5	2.1	230	0.05	-
19.5-21.3	1.8	231	0.31	-
21.3-22.8	1.5	232	0.18	-
22.8-24.4	1.6	233	0.57	-
24.4-25.9	1.5	234	0.79	0.003
25.9-28.0	2.1	235	0.13	-
28.0-30.2	2.2	236	0.08	-
30.2-32.3	2.1	237	0.10	-
32.3-35.1#	2.8#	238	0.07	-
35.1-37.2	2.1	239	0.10	0.016
37.2-39.6	2.4	240	0.08	-
39.6-42.1	2.5	241	0.02	-
42.1-43.9	1.8	242	0.16	0.004
43.9-45.7	1.8	243	0.08	0.011
45.7-47.9	2.2	611	0.09	nd
47.9-50.0	2.1	612	0.10	-
50.0-52.1	2.1	613	0.11	-
54.8-57.0	2.2	244	0.02	-
57.0-58.4	1.4	245	0.06	-
58.4-61.0	2.6	246	0.01	nd
64.3-65.8	1.5	247	0.05	-
65.8-68.0	2.2	248	0.10	-

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton
* = Lost Core: only 1.8 m of core
^ = Lost Core: only 2.0 m of core
# = Lost Core: only 1.8 m of core

W89-6 Continued

Interval	Width	Sample No.	Cu (%)	Au (o/t)
68.0-69.5	1.5	249	0.36	0.014
69.5-71.0	1.5	250	0.34	0.009
71.0-73.2	2.2	251	0.07	-
73.2-75.3	2.1	614	0.06	-
75.3-77.7	2.5	615	0.03	nd
77.7-79.3	1.6	252	0.03	-
79.3-81.7	2.4	253	0.05	0.004
81.7-83.8	2.1	254	0.07	0.003
83.8-86.0	2.2	255	0.06	0.003
86.0-87.8	1.8	256	0.04	-
87.8-89.6	1.8	257	0.07	0.003
89.6-91.5	1.9	258	0.04	-
91.5-93.6	2.1	259	0.01	-
93.6-99.7	2.1	260	0.03	-
104.3-106.1	1.8	261	0.04	-
106.1-108.8	2.7	262	0.06	-
108.8-111.0	2.2	263	0.05	-
111.0-112.8	1.8	264	0.15	0.003
112.8-114.6	1.8	265	0.07	-
114.6-116.6	2.0	266	0.93	0.030
116.6-118.9	2.3	267	0.41	0.014
118.9-121.0	2.1	268	0.08	0.004
121.0-122.5	1.5	269	0.09	0.005
122.5-124.2	1.7	270	0.08	-
124.2-126.2	2.0	271	0.02	-
126.2-128.3	2.1	272	0.07	0.003
128.3-130.8	2.5	273	0.06	0.003
130.8-133.2	2.4	274	0.09	0.004

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton

DDH W89-7

Az = 180° **Dip = -50°** **Depth = 108.2 m** **Core Size = NQ**

Interval	Width	Sample No.	Cu (%)	Au (o/t)
9.5-11.9*	2.4*	275	0.09	-
11.9-14.3	2.4	276	0.20	0.003
14.3-17.4^	3.1^	277	0.05	-
17.4-19.8	2.4	278	0.05	-
19.8-21.9	2.1	279	0.16	-
21.9-23.8	1.9	280	0.24	0.007
23.8-25.3	1.5	281	0.10	-
25.3-27.4	2.1	282	0.04	-
27.4-29.6	2.1	283	0.11	0.003
29.6-32.0	2.4	284	0.25	0.008
32.0-34.4	2.4	285	0.13	0.003
34.4-36.9	2.5	286	0.09	0.003
36.9-39.6	2.7	287	0.02	nd
39.6-41.8	2.2	288	0.08	-
41.8-43.9	2.1	289	0.07	0.003
43.9-46.0	2.1	290	0.12	0.004
46.0-48.5	2.5	291	0.13	0.005
48.5-50.6	2.1	292	0.07	-
56.1-58.2	2.1	293	0.11	-
58.2-60.4	2.2	294	0.34	0.009
60.4-62.5	2.1	295	0.01	-
62.5-64.6	2.1	296	0.02	nd
64.6-66.8	2.2	297	0.04	-
66.8-68.6	1.8	298	0.02	-
68.6-70.7	2.1	299	0.01	-
81.7-83.8	2.1	300	-	-
89.9-92.1	2.2	301	-	-
97.6-99.7	2.1	302	-	-
103.0-105.2	2.2	303	0.01	nd
105.2-107.3	2.1	304	0.03	nd

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton
* = Lost Core: only 2.1 m of core
^ = Lost Core: only 2.3 m of core

DDH W89-8

Az = 180° Dip = -50° Depth = 136.3 m Core Size = NQ

Interval	Width	Sample No.	Cu (%)	Au (o/t)
9.1-12.5	3.4	305	0.20	0.006
12.5-14.6	2.1	306	0.14	0.003
14.6-16.8	2.2	307	0.27	0.007
16.8-18.9	2.1	308	0.19	0.005
18.9-21.0	2.1	309	0.09	0.003
21.0-23.2	2.2	310	0.20	0.006
23.2-25.3	2.1	311	0.83	0.011
25.3-27.4	2.1	312	0.11	0.006
27.4-29.3	1.9	313	0.09	-
29.3-31.1	1.8	314	0.06	-
31.1-33.2	2.1	315	0.12	0.003
33.2-35.4	2.2	316	0.18	0.004
35.4-37.5	2.1	317	0.20	0.016
37.5-39.6	2.1	318	0.22	0.016
39.6-41.8	2.2	319	0.54	0.004
41.8-43.9	2.1	320	0.49	0.006
43.9-46.0	2.1	321	0.20	0.005
46.0-48.2	2.2	322	0.19	-
48.2-50.3	2.1	323	0.29	0.005
50.3-52.1	1.8	324	0.23	0.003
52.1-54.6	2.5	325	0.21	0.003
54.6-56.7	2.1	326	0.18	-
56.7-58.8	2.1	327	0.16	-
58.8-61.0	2.2	328	0.18	nd
61.0-63.1	2.1	329	0.26	0.003
63.1-65.2	2.1	330	0.20	0.003
65.2-67.4	2.2	331	0.28	0.006
67.4-69.5	2.1	332	0.15	0.003
69.5-71.9^	2.4^	333	0.13	0.003

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton
* = Lost Core: only 0.8 m of core
^ = Lost Core: only 2.1 m of core

W89-8 Continued

Interval	Width	Sample No.	Cu (%)	Au (o/t)
71.9-74.1	2.2	334	0.31	0.014
74.1-76.2	2.1	335	0.13	-
76.2-78.0	1.8	336	0.12	-
78.0-80.2	2.2	337	0.60	0.020
80.2-82.3	2.1	338	0.33	0.014
82.3-84.4	2.1	339	0.33	0.006
84.4-86.6	2.2	340	0.32	0.006
86.6-88.7	2.1	341	0.19	0.012
88.7-90.5	1.8	342	0.41	0.016
90.5-93.0	2.5	343	0.31	0.016
93.0-95.1	2.1	344	0.61	0.028
95.1-97.2	2.1	345	3.02	0.131
97.2-99.7	2.5	346	0.75	0.018
99.7-101.2	1.5	347	0.18	0.004
101.2-103.0	1.5	348	0.26	0.006
103.0-105.2	2.2	349	0.47	0.024
105.2-107.3	2.1	350	0.11	-
107.3-109.1	1.8	351	0.05	-
109.1-111.0	1.9	352	0.04	-
111.0-113.4	2.4	353	1.63	0.044
113.4-115.5	2.1	354	0.15	0.004
115.5-118.0	2.5	355	0.05	-
118.0-120.1	2.1	356	0.04	-
120.1-122.2	2.1	357	0.04	-
122.2-124.4	2.2	358	0.05	-
124.4-126.5	2.1	359	0.05	-
126.5-124.4	1.9	360	0.06	-
124.4-136.3	1.9	361	0.10	-

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton

DDH W89-9

Az = 180° Dip = -50° Depth = 133.5 m Core Size = NQ

Interval	Width	Sample No.	Cu (%)	Au (o/t)
8.2-10.4	2.2	362	0.03	-
10.4-12.5	2.1	363	0.07	-
12.5-14.6	2.1	364	0.05	-
18.9-21.0	2.1	365	0.04	-
21.0-22.9	1.9	366	-	-
22.9-25.0	2.1	367	-	-
25.0-27.1	2.1	368	0.01	-
27.1-29.0	1.9	369	0.03	-
29.0-30.8	1.8	370	0.08	-
30.8-32.6	1.8	371	0.42	0.009
32.6-34.4	1.8	372	0.02	-
34.4-36.6	2.2	373	0.01	-
36.6-38.7	2.1	374	0.12	0.003
38.7-40.8	2.1	375	0.24	0.009
40.8-42.7	1.9	376	0.05	-
42.7-44.8	2.1	377	1.05	0.030
44.8-46.9	2.1	378	0.18	0.006
46.9-49.1	2.2	379	0.11	-
49.1-51.2	2.1	380	0.02	-
51.2-53.3	2.1	381	0.03	-
53.3-55.2	1.9	382	0.04	-
55.2-57.3	2.1	383	0.05	-
57.3-60.4*	3.1*	384	0.18	0.005
60.4-62.5	2.1	385	0.39	0.017
62.5-64.6	2.1	386	0.25	0.012
64.6-66.1	1.5	387	0.57	0.017
66.1-68.3	2.2	388	0.10	0.003
68.3-70.4	2.1	389	0.39	0.012
70.4-72.6	2.2	390	0.41	0.011

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton
* = Lost Core: only 2.1 m of core

W89-9 Continued

Interval	Width	Sample No.	Cu (%)	Au (o/t)
72.6-74.7	2.1	391	0.67	0.025
74.7-76.8	2.1	392	0.20	0.005
76.8-79.0	2.2	393	0.15	0.013
79.0-81.1	2.1	394	0.10	0.004
81.1-83.2	2.1	395	0.18	0.015
83.2-85.4	2.2	396	0.18	0.003
85.4-87.5	2.1	397	0.26	0.010
87.5-89.6	2.1	398	0.21	0.016
89.6-91.8	2.2	399	0.24	0.006
91.8-93.9	2.1	400	0.24	0.014
93.9-96.0	2.1	401	0.22	0.004
96.0-98.2	2.2	402	0.28	-
98.2-100.3	2.1	403	0.23	0.003
100.3-102.4	2.1	404	0.13	-
102.4-104.6	2.2	405	0.06	0.004
104.6-106.7	2.1	406	0.12	0.007
106.7-108.8	2.1	407	0.11	0.012
108.8-111.0	2.2	408	0.06	0.006
111.0-113.1	2.1	409	0.08	0.006
113.1-115.2	2.1	410	0.20	0.006
115.2-117.4	2.2	411	0.63	0.004
117.4-119.5	2.1	412	0.34	0.006
119.5-121.6	2.1	413	0.22	0.004
121.6-123.8	2.2	414	0.30	0.005
123.8-125.9	2.1	415	0.17	0.003
125.9-128.0	2.1	416	0.43	0.003
128.0-129.9	1.9	417	0.20	0.006
129.9-131.7	1.8	418	0.07	-
131.7-133.5	1.8	419	0.03	-

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton

DDH W89-10

Az = 180°   Dip = -50°   Depth = 165.5 m   Core Size = NQ

Interval	Width	Sample No.	Cu (%)	Au (o/t)
6.7-8.8	2.1	420	0.09	0.003
8.8-11.0	2.2	421	0.11	0.004
11.0-13.1	2.1	422	0.07	0.003
13.1-15.2	2.1	423	0.19	0.009
15.2-17.4	2.2	424	0.04	-
17.4-19.5	2.1	425	0.06	0.003
19.5-21.6	2.1	426	0.01	0.007
21.6-23.5	1.9	427	0.04	-
28.3-30.5	2.2	428	0.05	-
33.5-35.7	2.2	429	0.10	0.004
39.3-41.1	1.8	430	0.04	-
51.2-53.3	2.1	431	0.02	-
57.9-60.1	2.2	432	-	-
67.1-69.2	2.1	433	-	-
77.4-79.3	1.9	434	0.01	-
79.3-81.4	2.1	435	0.04	-
81.4-83.8	2.4	436	0.21	0.008
83.8-86.0	2.2	437	0.02	-
86.0-88.7	2.7	438A	0.05	-
88.7-90.5	1.8	438B	0.64	0.020
90.5-92.4	1.9	439	0.11	0.003
92.4-94.5	2.1	440	0.22	0.013
94.5-95.7	1.2	441	0.40	0.013
95.7-97.9	2.2	442	0.34	0.013
97.9-100.0	2.1	443	0.41	0.016
100.0-102.1	2.1	444	0.20	0.012
102.1-104.3	2.2	445	0.85	0.022
104.3-106.4	2.1	446	0.62	0.018
106.4-108.2	1.8	447	0.26	0.009
108.2-110.4	2.2	448	0.43	0.013

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton

W89-10 Continued

Interval	Width	Sample No.	Cu (%)	Au (o/t)
110.4-112.5	2.1	449	0.61	0.019
112.5-114.6	2.1	450	0.36	0.016
114.6-116.8	2.2	451	0.23	0.006
116.8-118.9	2.1	452	0.32	0.009
118.9-121.0	2.1	453	0.07	-
121.0-124.1*	3.1*	454	0.33	0.007
124.1-126.5	2.4	455	0.07	-
126.5-129.0	2.5	456	0.10	-
129.0-131.1	2.1	457	0.20	0.006
131.1-133.2	2.1	458	0.16	0.007
133.2-138.4	2.2	459	0.09	-
138.4-140.2	1.8	460	0.12	0.003
140.2-142.4	2.2	461	0.19	0.007
142.4-144.5	2.1	462	0.18	0.004
144.5-146.3	1.8	463	0.13	0.003
146.3-147.9	1.6	464	0.02	-
147.9-149.7	1.8	465	0.04	-
154.6-156.7	2.1	466	0.06	-
160.7-162.8	2.1	467	0.10	-
162.8-164.9	2.1	468	0.07	-

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton
* = Lost Core: only 2.0 m of core

DDH W89-11

Az = 180° Dip = -50° Depth = 86.0 m Core Size = NQ

Interval	Width	Sample No.	Cu (%)	Au (o/t)
14.3-17.4*	3.1*	469	0.05	-
23.5-25.0	1.5	470	0.02	nd
25.0-27.1	2.1	471	0.12	0.003
33.5-35.7	2.2	472	0.06	-
35.7-37.5	1.8	473	0.06	-
37.5-39.6	2.1	474	0.06	-
39.6-41.8	2.2	475	0.06	-
41.8-43.9	2.1	476	0.34	0.007
43.9-46.0	2.1	477	0.31	0.009
46.0-47.9	1.9	478	0.14	0.007
47.9-50.0	2.1	479	0.02	nd
50.0-52.1	2.1	480	0.31	0.014
52.1-54.3	2.2	481	0.03	-
54.3-56.4	2.1	482	0.13	0.005
56.4-58.5	2.1	483	0.30	0.009
58.5-60.7	2.2	484	0.61	0.014
60.7-62.5	1.8	485	0.32	0.009
62.5-64.6	2.1	486	0.13	0.006
64.6-66.8	2.2	487	0.25	0.006
66.8-68.9	2.1	488	0.14	0.003
68.9-71.0	2.1	489	0.21	0.005
71.0-73.2	2.2	490	0.24	0.017
73.2-75.3	2.1	491	0.50	0.015
75.3-76.8	1.5	492	0.30	0.011
76.8-78.4	1.6	493	0.32	0.008
78.4-79.7	1.3	494	0.12	0.004
79.7-81.7	2.0	495	0.08	-
81.7-83.8	2.1	496	0.09	0.008
83.8-86.0	2.2	497	0.04	-

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton

DDH W89-12

Az = 180° Dip = -50° Depth = 217.7 m Core Size = NQ & BQ

Interval	Width	Sample No.	Cu (%)	Au (o/t)
16.1-18.3	2.2	498	0.01	-
18.3-20.4	2.1	499	0.08	-
20.4-22.6	2.2	500	0.09	0.003
22.6-24.7	2.1	501	0.29	0.007
24.7-26.8	2.1	502	0.09	-
26.8-29.0	2.2	503	0.67	0.017
29.0-31.1	2.1	504	0.19	0.005
31.1-33.2	2.1	505	0.43	0.013
33.2-35.4	2.2	506	0.30	0.008
35.4-37.5	2.1	507	0.06	0.003
37.5-39.6	2.1	508	0.24	0.006
39.6-41.8	2.2	509	0.14	0.012
41.8-43.9	2.1	510	0.26	0.004
43.9-45.7	1.8	511	0.12	0.007
52.1-54.3	2.2	512	0.05	-
54.3-56.4	2.1	513	0.08	0.003
56.4-58.5	2.1	514	0.04	-
58.5-60.7	2.2	515	0.04	-
60.7-62.8	2.1	516	0.16	0.004
62.8-64.9	2.1	517	0.12	-
64.9-67.1*	2.2*	518	0.12	0.004
67.1-69.2	2.1	519	0.13	0.003
69.2-71.3	2.1	520	0.08	-
71.3-73.5	2.2	521	0.11	-
73.5-75.6	2.1	522	0.10	-
75.6-77.7^	2.1^	523	0.09	-
77.7-79.3	1.6	524	0.18	0.003
79.3-80.6	1.3	525	0.11	-
80.6-82.6	2.0	526	0.05	-

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton
* = Lost Core: only 1.8 m of core
^ = Lost Core: only 1.8 m of core

W89-12 Continued

Interval	Width	Sample No.	Cu (%)	Au (o/t)
82.6-84.4	1.8	527	0.34	0.012
86.6-88.7	2.1	528	0.11	-
88.7-90.8	2.1	529	0.59	0.012
90.8-93.0	2.2	530	0.08	-
93.0-95.1	2.1	531	0.21	0.005
95.1-97.3	2.2	532	0.36	0.010
97.3-99.1	1.8	533	0.04	-
99.1-100.6	1.5	534	0.28	0.012
100.6-102.1	1.5	535	0.21	0.006
102.1-104.3	2.2	536	0.03	-
104.3-106.4	2.1	537	0.11	0.003
106.4-108.5	2.1	538	0.50	0.028
108.5-110.7	2.2	539	0.03	-
117.1-118.9	1.8	540	0.04	nd
121.9-124.1	2.2	541	0.07	0.005
128.3-130.2	1.9	542	0.16	-
130.2-132.3	2.1	543	0.23	0.006
132.3-134.1	1.8	544	0.07	nd
134.1-136.3	2.2	545	0.04	nd
136.3-138.7	2.4	546	0.09	-
141.3-142.8	1.5	547A	0.16	0.003
142.8-144.5	1.7	547B	0.04	nd
144.5-146.6	2.1	548	0.11	0.004
146.6-148.5	1.9	549	0.06	-
148.5-150.6	2.1	550	0.28	0.006
150.6-152.7	2.1	551	0.27	0.006
152.7-154.9	2.2	552	0.19	0.003
154.9-157.0	2.1	553	0.34	0.006
157.0-159.4	2.4	554	0.36	0.006
159.4-161.6	2.2	555	0.43	0.006
161.6-163.7	2.1	556	0.32	0.004
163.7-165.8	2.1	557	0.63	0.016

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton

W89-12 Continued

Interval	Width	Sample No.	Cu (%)	Au (o/t)
165.8-167.7	1.9	558	0.83	0.023
167.7-170.1	2.4	559	3.86	0.082
170.1-171.9	1.8	560	0.87	0.023
171.9-174.1	2.2	561	0.61	0.016
174.1-176.2	2.1	562	0.19	0.003
176.2-179.3*	3.1*	563	0.25	-
179.3-181.4	2.1	564	0.48	0.008
181.4-183.5	2.1	565	0.72	0.017
183.5-185.7	2.2	566	0.32	0.003
185.7-187.8	2.1	567	0.50	0.009
187.8-189.9	2.1	568	0.22	0.004
189.9-192.1	2.2	569	0.20	0.004
192.1-194.2	2.1	570	0.31	0.008
194.2-196.3	2.1	571	0.21	0.006
196.3-198.8^	2.5^	572	0.17	0.004
198.8-200.9	2.1	573	0.87	0.020
200.9-203.0	2.1	574	0.78	0.014
203.0-205.2	2.2	575	0.60	0.012
205.2-207.3	2.1	576	0.47	0.011
207.3-209.4	2.1	577	0.20	0.007
209.4-211.6	2.2	578	1.02	0.029
211.6-213.7	2.1	579	0.80	0.014
213.7-215.5	1.8	580	0.56	0.013
215.5-217.7	2.2	581	0.40	0.009

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton
* = Lost Core: only 2.1 m of core
^ = Lost Core: only 2.1 m of core

DDH W89-13

Az = 180° **Dip = -50°** **Depth = 122.3 m** **Core Size = NQ**

Interval	Width	Sample No.	Cu (%)	Au (o/t)
14.3-16.5	2.2	582	0.01	nd
17.4-20.1*	2.7*	583	0.11	0.003
20.1-22.9^	2.7^	584	0.12	-
22.9-25.3	2.4	585	0.11	0.003
25.3-27.4	2.1	586	0.05	-
27.4-29.6	2.2	587	0.04	-
29.6-31.4	1.8	588	0.06	0.004
31.4-33.5	2.1	589	0.06	0.003
38.7-40.8	2.1	590	0.05	-
44.8-46.9	2.1	591	0.07	-
51.5-53.6	2.1	592	0.15	nd
53.6-55.8	2.2	593	0.08	-
55.8-57.3	1.5	594	0.06	nd
57.3-59.4	2.1	595	0.04	-
59.4-61.0	1.6	596	0.14	nd
61.0-62.5	1.5	597	0.10	nd
62.5-64.6	2.1	598	0.05	nd
64.6-66.8	2.2	616	0.03	-
66.8-68.9	2.1	617	0.06	-
68.9-71.9#	3.0#	618	0.05	nd
69.8-70.7$	0.9$	618B	0.27	-
71.9-74.1	2.2	619	0.06	0.003
74.1-76.4	2.3	620	0.05	0.003
76.4-78.6	2.2	621	0.02	-
78.6-80.8	2.2	622	-	-

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton
* = Lost Core: only 2.0 m of core
^ = Lost Core: only 1.8 m of core
# = Actual interval: 68.9-69.8 and 70.7-71.9
$ = Interval covering gap in sample 618

DDH W89-14

Az = 055° **Dip = -45°** **Depth = 87.5 m** **Core Size = NQ**

Interval	Width	Sample No.	Cu (%)	Au (o/t)
8.2-10.4	2.2	623	0.01	nd
10.4-12.2	1.8	624	0.02	0.003
12.2-14.0	1.8	625	0.02	-
14.0-15.8	1.8	626	0.02	-
19.5-21.3	1.8	627	0.06	nd
21.3-23.5	2.2	628	0.09	-
32.9-35.1	2.2	629	0.03	-
37.8-39.9	2.1	630	0.64	0.006
42.7-44.5	1.8	631	0.10	-
46.5-48.5	2.0	632	0.11	nd
58.8-60.4	1.6	633	0.03	-

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton

DDH W89-15

Az = 235° **Dip = -65°** **Depth = 51.8 m** **Core Size = NQ**

Interval	Width	Sample No.	Cu (%)	Au (o/t)
21.6-23.5	1.9	634	0.02	-
23.5-25.3	1.8	635	0.01	-

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton

DDH W89-16

Az = 360°   Dip = -47°   Depth = 50.9 m   Core Size = NQ

Interval	Width	Sample No.	Cu (%)	Au (o/t)
8.8-11.3*	2.5*	636	0.32	0.011
11.3-12.2	0.9	637	0.11	0.003
12.2-14.0	1.8	638	0.03	-
19.5-21.3	1.8	639	0.07	-
36.0-37.8	1.8	640	0.10	-
37.8-39.3	1.5	641	0.12	-
39.3-41.1	1.8	642	0.11	0.003
41.1-42.7	1.6	643	0.17	0.006

- = Cu value less than 0.01% and/or Au value less than 0.003 oz/ton
* = Lost Core: only 1.5 m of core

1989 DRILL-LOG SUMMARIES

SUMMARY LOG FOR DRILL HOLE W89-1

Azimuth : 360°   Dip : -47°   Depth: 118.3 m (388 ft.)

INTERVAL (meters)	DESCRIPTION
0 - 6.4	**OVERBURDEN**
6.4 - 7.6	**SERICITE-ANDALUSITE ROCK** - local patches of chlorite; disseminated, euhedral pyrite
7.6 - 8.8	**PLAGIOCLASE-SERICITE-ANDALUSITE ROCK** - local chlorite
8.8- 22.6	**SERICITE-ANDALUSITE ROCK** - local cream-colored feldspar; trace corundum
	23.0 = four 1-mm veinlets of py + sericite + corundum(?) at 80° to core axis
22.6- 42.1	**ANDALUSITE ROCK** - local sericite; pyrite
	23.5-42.1 = FAULT ZONE (?); corroded rock, pitted texture, local poor recovery; py locally abundant, typically 5%
42.1- 62.8	**SERICITE-ANDALUSITE ROCK** - diss. py; local vugs; trace corundum; local gypsum in seams
62.8- 82.0	**ANDALUSITE ROCK** - local specks of sericite
	64.6-69.2 = "crackle" fracture pattern filled with gypsum 73.2-77.7 = diss. magnetite to 5%
82.0- 86.9	**PLAGIOCLASE-SERICITE-ANDALUSITE ROCK** - coarse magnetite + py as blobs, not disseminated; local gypsum seams; trace hematite, chlorite
	85.4-88.7 = cpy to 1% 88.6-88.7 = fault (gouge/breccia)
86.9- 96.3	**SERICITE-ANDALUSITE ROCK** - local feldspar; diss. pyrite; minor magnetite, trace cpy
96.3- 97.9	**QUARTZ ROCK** - local irregular blobs of andalusite; grades into underlying unit
	96.9-97.2 = fault (gouge/breccia)

DDH W89-1, Continued

INTERVAL (meters)	DESCRIPTION
97.9-108.2	**ANDALUSITE ROCK** - locally sericite-rich; pyrite; local chlorite; rare quartz patches
108.2-113.1	**TRANSITION ZONE** - between andalusite rock and quartz rock; very mottled; local cpy to 1% in quartz-rich areas; local sericite with andalusite
113.1-118.3	**QUARTZ ROCK** - flecks of sericite; sulphides (py + minor cpy) interstitial to quartz grains
118.3	**EOH**

SUMMARY LOG FOR DRILL HOLE W89-2

Azimuth : 181° Dip : -70° Depth: 131.1 m (430 ft.)

INTERVAL (meters)	DESCRIPTION
0 - 5.5	**OVERBURDEN**
5.5- 37.0	**SERICITE-ANDALUSITE ROCK** - local blebs of quartz and pink-orange feldspar 11.6-12.0 = fault (gouge/breccia) 15.5-16.5 = fault (broken core) 18.9-23.2 = diss. mag to 10% 20.4 = cpy appears and stays to 123.8 m; tr to 3%, typically 1%
37.0- 38.1	**QUARTZ ROCK** - containing 10% flesh-colored mineral (carbonate? sphene?) defining crude layering at 80° to core axis 37.8-38.1 = magnetite-rich zone to 25%
38.1- 40.2	**SERICITE-ANDALUSITE ROCK** - with pink-orange mineral (K-feldspar?) and local quartz
40.2- 49.1	**QUARTZ ROCK** - py + cpy, disseminated and in veinlets; 3% flesh-colored mineral
49.1- 60.7	**PLAGIOCLASE-SERICITE-ANDALUSITE ROCK** - intrusive-like texture: cpy variable from tr to 2%; magnetite diss. to 5%; tr molybdenite
60.7- 79.0	**QUARTZ-MAGNETITE-CHLORITE ROCK** - mineralized unit with cpy to 4%, typically 1-2%; disseminated magnetite 3-10%; chlorite specks to 4% 78.4-78.5 = albitite (?); solid feldspar
79.0- 87.2	**PLAGIOCLASE-SERICITE-ANDALUSITE-K-FELDSPAR? ROCK** colorful rock, patchy-blobby texture (altered breccia?); local quartz patches with associated cpy
87.2-131.1	**QUARTZ-MAGNETITE-CHLORITE ROCK** - mineralized with cpy; local brown patches (remnant frags?) 108.8-109.7 = highly fractured core 117.1-118.0 = fault (lost core) 126.5-130.0 = magnetite-rich zone to 30%
131.1	**EOH**

SUMMARY LOG FOR DRILL HOLE W89-3

Azimuth : 181°   Dip : -55°   Depth: 109.1 m (358 ft.)

INTERVAL (meters)	DESCRIPTION
0 - 5.5	**OVERBURDEN**
5.5 - 8.2	**QUARTZ ROCK** - pyrite to 10%, cpy to 1.5%; local chlorite + magnetite
8.2- 10.7	**MIXED SERICITE-ANDALUSITE AND QUARTZ-CHLORITE-MAGNETITE ROCK** - swirly textured; pyrite to 10%, cpy less than 1%
10.7- 23.5	**QUARTZ-MAGNETITE-CHLORITE ROCK** - 15% pyrite, cpy 0-2%; 10% magnetite, locally to 50% 11.3-12.2 = fault (lost core) 20.4-21.6 = magnetite-rich zone to 50%
23.5- 35.4	**PLAGIOCLASE-SERICITE-ANDALUSITE-K FELDSPAR? ROCK** local intrusive texture; cpy to 1%, typically in andalusite sections; local quartz blobs 26.8-28.4 = broken core
35.4- 79.0	**QUARTZ-SERICITE-(ANDALUSITE) ROCK** - coarsely fractured unit; local pink feldspar; pyrite typically 4%; variable cpy from 0-1%
79.0- 82.3	**PLAGIOCLASE-SERICITE-ANDALUSITE ROCK** 80.2-80.8 = albitite? solid white, very fine grained feldspar(?)
82.3- 85.4	**ANDALUSITE TO SERICITE-ANDALUSITE ROCK** - 1-2% cpy
85.4- 87.8	**PLAGIOCLASE-QUARTZ-SERICITE-ANDALUSITE ROCK** - 1% cpy
87.8-109.1	**ANDALUSITE TO SERICITE-ANDALUSITE ROCK** - variable cpy from 0 to 1.5%; local plagioclase 88.4-89.0 = fault (lost core) 96.5-97.0 = dike(?) of pink K-feldspar and white plagioclase in graphic intergrowth 101.1-102.4 = shear zone (fractures filled with gypsum
109.1	**EOH**

SUMMARY LOG FOR DRILL HOLE W89-4

Azimuth : 177° Dip : -50° Depth: 140.2 m (460 ft.)

INTERVAL (meters)	DESCRIPTION
0 - 5.2	**OVERBURDEN**
5.2- 76.2	**SERICITE-ANDALUSITE ROCK** - pyrite 2-5%; local plagioclase; gypsum as fracture fillings 10.4-17.4 = 1-8% diss. pyrrhotite associated with andalusite 20.4-31.4 = fault (broken and rounded core) 33.0-33.1 = fault breccia (core intact) 75.3-76.2 = unusual contact zone consisting of mag, chlorite, red euhedral andalusite(?), sericite, py + cpy, hematite and a brilliant blue mineral
76.2-105.2	**QUARTZ ROCK** - local sections of andalusite rock; local vugs filled with euhedral quartz crystals, coarse py and rarely coarse cpy; diss. cpy variable from 0-1% 83.8-84.3 = faint porphyritic texture 84.4-87.5 = mislatch, lost core
105.2-114.3	**MIXED QUARTZ ROCK AND SERICITE-ANDALUSITE ROCK** transition zone between quartz rock above and sericite-andalusite below; cpy mainly confined to quartz-rock sections 114.0-114.3 = fault (breccia/gouge) at 20° to core axis; mineralized frags as breccia frags in gouge
114.3-140.2	**QUARTZ-ANDALUSITE-(SERICITE) ROCK** - mineralized unit with cpy typically 1%, locally to 2% 123.5-125.0 = shear zone; assoc. quartz 125.0-127.1 = fractured core 134.8-136.0 = broken core with assoc. clay
140.2	**EOH**

SUMMARY LOG FOR DRILL HOLE W89-5

Azimuth : 179°   Dip : -55°   Depth: 99.7 m (327 ft.)

INTERVAL (meters)	DESCRIPTION
0 - 7.6	**OVERBURDEN (2.7 m of which is trench debris)**
7.6 - 9.4	**PLAGIOCLASE ROCK** - ultrafine grained, creamy white rock appearing to be silicified; "ghost" fragments occur; minor py, cpy, sericite, chlorite
9.4- 15.9	**SERICITE-ANDALUSITE ROCK** - associated quartz; local spotted texture; rare bluish mineral; minor cpy + py 11.6-12.2 = "tectonized" fabric at 80° to core axis: mylonite? 12.5-13.7 = fault (clay + strong fracturing)
15.9- 19.8	**QUARTZ-MAGNETITE-CHLORITE ROCK** - minor cpy + py; abundant magnetite sections are commonly devoid of sulphides
19.8- 21.0	**CHLORITE ROCK** - coarse chlorite (to 2 cm) with associated euhedral quartz; minor cpy follows chlorite cleavage planes
21.0- 28.0	**PLAGIOCLASE-SERICITE-ANDALUSITE ROCK** some associated quartz rock; local abundant pink-orange mineral (plagioclase); cpy from trace to 1%, commonly assoc. with chlorite 21.0-22.3 = some lost core 22.3-23.5 = clay-rich zone 23.5-26.5 = "tectonized" fabric - boudin and augen-like structures; frags of chlorite rock in this zone
28.0- 99.7	**ANDALUSITE TO PLAGIOCLASE-ANDALUSITE ROCK** - altered porphyry? local faint porphyritic to intrusive texture; local whitish gray groundmass with green spots; 5-10% chlorite, commonly as clots 42.1-73.8 = very fine grained cpy mineralization, typically 1.5% 45.4-48.5 = albitite? solid white feldspar 79.9-83.8 = albitite? solid white feldspar
99.7	**EOH**

SUMMARY LOG FOR DRILL HOLE W89-6

Azimuth : 003°   Dip : -55°   Depth: 133.2 m (437 ft.)

INTERVAL (meters)	DESCRIPTION
0 - 4.6	**OVERBURDEN**
4.6- 35.7	**QUARTZ ROCK** - speckled with green and white sericite, carbonate, and magnetite; local minor py + cpy 12.5-14.6 = 5% diss. magnetite; assoc. cpy 15.1-17.1 = fractured rock filled with a pink-orange, soft material 23.1-25.9 = 2% diss. cpy 32.3-33.2 = mylonite(?) or shear zone 33.8-35.7 = mylonite?) or shear zone; highly banded with boudin development at 70-90° to core axis; some lost core
35.7- 40.9	**PLAGIOCLASE-SERICITE-ANDALUSITE ROCK** - assoc. quartz; possibly silicified; minor py, cpy and rutile 39.6-40.9 = plagioclase-rich segment intimately assoc. with fine quartz; silicified; local vugs filled with py + calcite
40.9- 42.1	**ALTERED QUARTZ DIORITE** - interlocking plagioclase + quartz + altered biotite for first 0.6 m then grades into a plagioclase-sericite-andalusite assemblage with chlorite specks
42.1- 51.8	**ANDALUSITE ROCK** - associated py + sericite + quartz and local pyrrhotite; trace cpy; gray "groundmass" with white + chlorite + magnetite spots (altered intrusive?)
51.8- 52.4	**ALTERED QUARTZ DIORITE(?)** - plagioclase + quartz + altered biotite
52.4- 57.0	**ANDALUSITE ROCK**
57.0- 58.4	**SILICIFIED ZONE** - pure silica; fractured
58.4-106.1	**ANDALUSITE ROCK** - local porphyritic texture = altered quartz diorite? spots of chlorite, magnetite, sericite and py; spotty cpy

DDH W89-6 Continued

INTERVAL (meters)	DESCRIPTION
	65.5-71.0 = 0.5 - 1.5% cpy 78.5-79.3 = graphic granite; sharp contact 104.6-105.5 = clay alteration of selected minerals
106.1-116.5	**PLAGIOCLASE-SERICITE-ANDALUSITE-K-FELDSPAR? ROCK** local emerald-green clay; local quartz, chlorite and magnetite; swirly texture; trace corundum 106.7-108.8 = intrusive texture (syenite?) 112.6-113.0 = quartz-magnetite-chlorite rock 114.3-116.5 = 3% cpy
116.5-121.8	**ALBITITE** - pale pink-orange rock, very fine grained; irregular blebs of andalusite and quartz; vugs filled with coarse chlorite + calcite + sphene; trace corundum and clay 117.1-117.4 = 2% cpy
121.8-124.2	**PLAGIOCLASE-SERICITE-ANDALUSITE ROCK** - in and out of plagioclase-rich and andalusite-rich zones; minor cpy
124.2-133.2	**QUARTZ-MAGNETITE-CHLORITE ROCK** - sharp contact with above unit; faint breccia texture; minor cpy; 5% sphene(?) 124.7-125.9 = magnetite-rich zone to 40%
133.2	**EOH**

SUMMARY LOG FOR DRILL HOLE W89-7

Azimuth : 180°   Dip : -50°   Depth: 108.2 m (355 ft.)

INTERVAL (meters)	DESCRIPTION
0 - 7.6	**OVERBURDEN**
7.6 - 9.4	**LOST CORE**
9.4- 14.3	**PLAGIOCLASE-SERICITE-ANDALUSITE-K-FELDSPAR? ROCK** strong sericite development breaking core into small pieces; local corundum, minor gobs of cpy to 1 cm; trace molybdenite
14.3- 19.8	**ALTERED INTRUSIVE** - quartz + clay-altered feldspar + chlorite and magnetite specks 14.3-14.9 = fault? some lost core; only rounded core frags 14.9-15.5 = strong argillic alteration 17.4-18.3 = strongly broken core
19.8- 36.9	**PLAGIOCLASE-SERICITE-ANDALUSITE-K-FELDSPAR ROCK** - variable andalusite content; associated quartz; minor cpy 25.6-27.4 = syenite, slightly altered; some quartz flooding 29.0-30.0 = syenite, slightly altered; some quartz flooding
36.9- 39.6	**ANDALUSITE ROCK** - minor cpy; local grungy pyrite in dendritic growth patterns
39.6- 43.9	**PLAGIOCLASE-SERICITE-ANDALUSITE ROCK** - local emerald green clay, corundum and pyrrhotite; minor cpy
43.9- 59.7	**ANDALUSITE ROCK** - locally feldspar-rich; pyrite in dendritic growth pattern; minor, spotty cpy 53.3-53.6 = shear zone with silicification
59.7- 68.6	**QUARTZ-ANDALUSITE ROCK** - swirly texture, locally brecciated; increasing quartz down-hole
68.6-108.2	**QUARTZ ROCK** - 98% gray quartz with minor specks of clay and sericite; trace cpy
108.2	**EOH**

SUMMARY LOG FOR DRILL HOLE W89-8

Azimuth : 180°   Dip : -50°   Depth: 136.3 m (447 ft.)

INTERVAL (meters)	**DESCRIPTION**
0 - 7.6	**OVERBURDEN**
7.6 -12.5	**POOR RECOVERY (only 20%)**
12.5- 25.3	**QUARTZ-SERICITE-(ANDALUSITE) ROCK** - quartz, andalusite, sericite, magnetite rock with faint intrusive texture; local tectonized fabric; 0.5 to 3% cpy 20.4-21.0 = abundant sericite with "islands" of quartz = altered fault zone? 21.6-23.2 = same as 20.4-21.0 23.2-24.4 = 10% pyrrhotite
25.3- 60.1	**HIGHLY ALTERED FAULT ZONE** - sharp contact with overlying unit; highly complex and colorful mineralogy and texture; core is intact; locally abundant sericite and clay development; typical minerals include quartz, sericite, andalusite, magnetite and pyrite; spotty cpy to 40.2 m, then continuous to 60.1 m, from 0.5-2.0% 26.2-27.1 = silicified zone 31.2-32.4 = abundant sericite? (red) 33.8-35.7 = silicified banding at 80° to CA 40.2-42.4 = coarse sericite? (olive green) 55.5-60.1 = silicified, shear in last 15 cm
60.1- 89.9	**SERICITE-ANDALUSITE-QUARTZ ROCK** - ubiquitous py + cpy with cpy ranging from 0.5 to 1.5% 70.0-71.0 = shear zone, some lost core 72.2-74.1 = colorful section of mixed mineralogy (sericite + silica ??) 74.1-80.8 = silicified zone 82.9 = introduction of plagioclase 84.1-85.1 = silicified zone
89.9-104.3	**QUARTZ-ANDALUSITE-MAGNETITE-CHLORITE ROCK** - 10% magnetite and 5% chlorite in a quartz-andalusite rock; bluish mica present and fine-grained sericite mats; diss. magnetite typically occurs in bands up to 15 cm width; mineralized unit with cpy ranging from 0.5 to 10%, typically 1.5%

DDH W89-8 Continued

INTERVAL (meters)	DESCRIPTION
104.3-108.2	**ANDALUSITE ROCK** - clay common along fractures; local pyrrhotite 105.5-106.1 = fractured core
108.2-118.3	**PLAGIOCLASE-SERICITE-ANDALUSITE ROCK** - variable plag to andalusite ratio; local abundant cpy; pockets (up to 4 cm) filled with coarse sulphides consisting of py rimmed with pyrrhotite, both surrounded by cpy 110.4-111.3 = shear zone; core intact but highly sheared, held with clay 111.0-113.6 = 2-5% cpy
118.3-136.3	**QUARTZ ROCK** - 98% gray quartz, 2% sericite + clay; spotty, minor cpy 127.6-128.0 = fault (quartz frags in clay) 133.8-136.3 = brown mottled quartz rock with a faint banded texture
136.3	**EOH**

SUMMARY LOG FOR DRILL HOLE W89-9

Azimuth : 180°   Dip : -50°   Depth: 133.5 m (438 ft.)

INTERVAL (meters)	DESCRIPTION
0 - 4.3	**OVERBURDEN**
4.3 - 8.2	**BROKEN ROCK - NO RECOVERY**
8.2- 32.6	**ALTERED QUARTZ DIORITE?** - local intrusive texture apparent, altered strongly to quartz + sericite + andalusite + magnetite with associated plagioclase + chlorite; abundant py (10%); variable mag (1-15%); variable texture from intrusive-looking to brecciated-looking to uniform 19.5-27.9 = pinkish hue to rock 24.4-31.7 = mag + chlorite-rich zone 28.3-31.7 = 15-20% pyrite, 1% cpy
32.6-104.6	**PLAGIOCLASE-SERICITE-ANDALUSITE ROCK** - containing 5-10% coarse mag interstitial to feldspars; local quartz; mineralized unit with spotty cpy from 32.6-59.4, ranging from 0 to 3%, and ubiquitous cpy from 59.4 to 104.6, ranging from 0.5-1.5%, typically 1% 34.1-35.1 = fault (gouge development) 35.7-48.2 = K-feldspar(?) present 48.2-52.1 = sericite-rich zone 57.9-76.2 = magnetite-rich (3-15%) 59.4-62.8 = clay-rich zone 67.1-67.4 = fault (crushed core) 76.2-96.0 = 25-60% quartz flooding
104.6-113.1	**QUARTZ ROCK** - minor py + cpy
113.1-122.2	**PLAGIOCLASE-SERICITE-ANDALUSITE ROCK** - local quartz, altering ser + andal; mineralized unit with cpy from 0.5-2.0%, typically 1%
122.2-128.0	**ANDALUSITE ROCK** - associated bluish mica; 5% diss. magnetite; 0.5-1.0% cpy
128.0-129.9	**FAULT ZONE** - andalusite and quartz frags in a clay matrix; core intact
129.9-133.5	**QUARTZ ROCK** - local ser + clay specks; minor cpy
133.5	**EOH**

SUMMARY LOG FOR DRILL HOLE W89-10

Azimuth : 180°   Dip : -50°   Depth: 165.5 m (543 ft.)

INTERVAL (meters)	DESCRIPTION
0 - 6.1	**OVERBURDEN**
6.1 - 6.7	**LOST CORE** - tricone
6.7- 15.5	**QUARTZ-ANDALUSITE-SERICITE ROCK** - altered quartz diorite? minor mag, chlorite, py, cpy 8.5-9.1 = aplite? very fine grained quartz + plagioclase?
15.5- 30.8	**QUARTZ-ANDALUSITE ROCK** - assoc. sericite + chlorite; 3-15% pyrite; 2-8% pyrrhotite; minor cpy
30.8- 80.8	**QUARTZ-ANDALUSITE-SERICITE ROCK** - altered quartz diorite? 10% py; 2-5% magnetite; local brecciated appearance 41.1-49.8 = fault (poor recovery) 36.6-80.8 = clay alteration of sericite? 53.6-53.9 = 100% white gypsum seam cutting core axis at 90°; contains gobs of py rimmed by magnetite; another 10 cm section at 54.3 m
80.8- 81.6	**FAULT ZONE** - cuts core axis at 30°; core intact but extremely brecciated with gouge development; separates two rock types
81.6- 83.8	**HIGHLY MIXED ROCK ASSEMBLAGES** - plag-ser-andal rock, quartz rock and andalusite rock all mixed up; minor cpy
83.8- 93.1	**QUARTZ-ANDALUSITE-SERICITE ROCK** - altered quartz diorite?; minor cpy, locally to 1.5% 92.5-93.1 = fault (brecciation); core intact; fault at 30° to core axis
93.1- 95.7	**PLAGIOCLASE-SERICITE-ANDALUSITE ROCK** - minor cpy 94.8-95.4 = fault (brecciation)
95.7-114.0	**QUARTZ-ANDALUSITE-SERICITE ROCK** - assoc. chlorite and magnetite; mineralized unit with cpy from 1-2%

INTERVAL (meters)	DESCRIPTION
	109.4-109.7 = fault (brecciation)
114.0-117.1	**PLAGIOCLASE-SERICITE-ANDALUSITE-QUARTZ ROCK** - introduction of quartz just prior to major fault; 20% clay, minor cpy
117.1-129.3	**FAULT ZONE** - chunks of quartz rock and tectonized rock fragments; core strongly broken; clay matrix possibly washed away; minor cpy
	123.5-126.5 = core intact but still a fault breccia; looks like sheared quartz-sericite-andalusite rock
129.3-133.2	**QUARTZ-MAGNETITE-CHLORITE ROCK** - with assoc. sericite, andalusite and pyrite
133.2-138.7	**ANDALUSITE ROCK** - assoc. quartz + sericite; py to 15%
138.7-146.0	**QUARTZ-ANDALUSITE-SERICITE ROCK** - local cpy to 1%
146.0-147.7	**FAULT ZONE** - fractured core separated by gouge and breccia sections; associated clay
147.7-165.5	**QUARTZ ROCK** - local emerald-green clay; minor py and trace cpy
	151.2-154.0 = strong banding to brown-mottled quartz rock
165.5	**EOH**

SUMMARY LOG FOR DRILL HOLE W89-11

Azimuth : 180°   Dip : -50°   Depth: 86.0 m (282 ft.)

INTERVAL (meters)	DESCRIPTION
0 - 4.9	**OVERBURDEN**
4.9 - 6.1	**LOST CORE** - tricone
6.1- 20.4	**QUARTZ-ANDALUSITE-SERICITE** - local chlorite; 8% pyrite; core strongly broken into angular chunks; some lost core 10.4-12.2 = no chlorite, but mag appears 14.3-14.6 = silicified zone (white quartz)
20.4- 37.5	**SILICIFIED-PLAGIOCLASE ROCK** - highly complex zone of many different rock types; some look silicified, others are nearly pure plagioclase; highly colorful unit but mainly whitish; punky texture as if a selected mineral has been removed; local coarse sericite; trace py and cpy
37.5- 46.9	**MIXED SILICIFIED ROCK AND QUARTZ-SERICITE ROCK** in and out of both rock types; appears to be a zone of fracturing, healing and refracturing; punky texture; minor py + cpy
46.9- 79.7	**QUARTZ-ANDALUSITE SERICITE ROCK** - highly complex rock consisting of colorful silica (white, pink, red, pale green), ser, andalusite and emerald-green clay; swirly texture; seams and pockets of gypsum; minor py and cpy 47.2-70.1 = clay alteration 56.4 = silica becomes pale green (no more reds and pinks); 2-5% diss. magnetite 56.4- 78.0 = spotty cpy zone, from 0-2%
79.7- 86.0	**QUARTZ ROCK** - brown mottling that is banded; local brecciation with fractures filled with a black, non-magnetic material; minor py and cpy
86.0	**EOH**

SUMMARY LOG FOR DRILL HOLE W89-12

Azimuth : 180°   Dip : -50°   Depth: 217.7 m (714 ft.)

INTERVAL (meters)	DESCRIPTION
0 - 7.6	**OVERBURDEN**
7.6 - 8.5	**LOST CORE** - tricone
8.5- 11.0	**SILICIFIED ROCK** - pale green, granular silica?
11.0-102.1	**QUARTZ-ANDALUSITE-SERICITE ROCK** - variable mag (to 10%) and chlorite (to 10%); local intrusive texture (altered quartz-diorite?); local plag; highly variable py, from 0-15%; very spotty cpy, locally to 2% 19.8-25.6 = 15% pyrrhotite 30.5-31.7 = 15% pyrrhotite 34.4-34.7 = fault (silicified breccia) 49.1-50.9 = fault (strongly broken core) 54.4-72.2 = pink/salmon color to sericite(?); mag and chlorite absent 72.2-80.5 = plagioclase present 84.4-89.3 = plagioclase present 100.3-101.8 = strong banding (mylonite?) at 75° to core axis
102.1-105.5	**QUARTZ ROCK** - sharp contact with overlying unit
105.5-111.6	**QUARTZ-SERICITE ROCK** - local clay, magnetite and chlorite; cpy to 1.5%
111.6-163.1	**QUARTZ ROCK** - nearly pure quartz with only 1-2% sericite specks; local white quartz veins with cpy gobs; local brown mottling and banding; spotty cpy (to 1.5%) beginning at 122 m, becoming ubiquitous at 153.6 m 122.6-128.3 = brown banding 148.5-149.1 = fault (broken core)
163.1-217.7	**QUARTZ-MAGNETITE ROCK** - variable magnetite (comes and goes); local chlorite and hematite; mineralized unit with cpy varying from 0 to 12%, typically 1.5%; apparent inverse relationship between cpy and magnetite; trace molybdenite 164.6-165.2 = brecciated quartz rock (core intact) with hematite + magnetite matrix

DDH W89-12, Continued

INTERVAL (meters)	DESCRIPTION
	167.4-170.2 = cpy-rich zone (to 12%) 170.4-171.9 = pitted texture, selective removal of a mineral 177.1-179.0 = fault (rubble); some lost core 180.8-181.4 = brecciated quartz rock with magnetite matrix
217.7	EOH

SUMMARY LOG FOR DRILL HOLE W89-13

Azimuth : 180° Dip : -50° Depth: 122.2 m (401 ft.)

INTERVAL (meters)	DESCRIPTION
0 - 9.1	**OVERBURDEN**
9.1- 11.3	**LOST CORE** - tricone
11.3- 17.4	**FELDSPAR PORPHYRY** - three zones of different texture and mineralogy: 11.3-12.2 = hornblende(?) and white (plag?) phenocrysts in an ultrafine-grained brownish-gray groundmass 12.2-13.4 = abundant white (plag?) + gray quartz + mafic phenocrysts in a greenish groundmass 13.4-17.4 = moderate white (plag?) phenocrysts and altered biotite in a greenish-gray groundmass with abundant tiny laths; trace py
17.4- 53.6	**ALTERED ANDESITE OR MAFIC TUFF** - highly variable rock type; local epidote + magnetite + hematite and quartz veins; minor cpy 17.4-18.3 = quartz + sericite + pyrite rock 18.3-22.9 = silicified rock with mag + epi 22.9-29.6 = evenly textured quartz + sericite + chlorite(?) rock and assoc. mag + py; subtle banding (tuffaceous?) 29.6-30.5 = fault (stringy brecciation with silica flooding) 41.1-48.2 = presence of reddish brown mineral (altered biotite?) 50.6-48.5 = 10% magnetite
53.6- 57.3	**QUARTZ ROCK** - local chlorite; minor py + cpy
57.3- 62.5	**SERICITE-ANDALUSITE ROCK** - local quartz patches and cream-white plagioclase; assoc. mag and hematite; local clay; minor cpy
62.5- 76.4	**QUARTZ ROCK** - associated sericite + clay 64.0-67.2 = fault (strongly broken core, breccia in last 30 cm) 70.7 = reduce to BQ core 72.2-72.7 = fault (breccia) 75.6-75.9 = fault (breccia)

DDH W89-13, Continued

INTERVAL (meters)	DESCRIPTION
76.4- 77.1	**PORPHYRITIC ANDESITE(?)** - very fine-grained, dark greenish black rock with whitish phenocrysts? (possibly vesicles) with hematite reaction rims; sharp contact with overlying quartz rock; emerald-green margin (chilled?) against lower contact; slightly magnetic unit
77.1- 78.0	**QUARTZ ROCK**
78.0-122.2	**PORPHYRITIC ANDESITE(?)** - as above; local slickensides on fracture surfaces; color variable from dark maroon-black to dark green to gray (bleached?) 78.8 = fragment of quartz rock 82.0-82.9 = strongly fractured core 84.7-85.0 = bleached zone
122.2	**EOH**

SUMMARY LOG FOR DRILL HOLE W89-14

Azimuth : 055° Dip : -45° Depth: 87.5 m (287 ft.)

INTERVAL (meters)	DESCRIPTION
0 - 4.3	**OVERBURDEN**
4.3 - 4.9	**LOST CORE** - tricone
4.9- 45.1	**QUARTZ DIORITE TO GRANODIORITE** - coarse-grained intrusive consisting of bluish-gray plag phenocrysts, pale green feldspar, gray quartz, pale pink K-feldspar and 15-20% bio altering to chl; 5% magnetite; local silica flooding; rare py and cpy; veinlets of quartz + py + cpy common; local clay alteration of plagioclase along fractures 11.3-12.9 = moderate silica flooding 20.1-20.7 = " " " 38.1-40.2 = " " " 42.7-43.9 = " " "
45.1- 58.7	**PARTIALLY ALTERED QUARTZ DIORITE** - alternating silicification and clay alteration; reddish or greenish hue; trace py + cpy 49.1-50.0 = calcite veining, clay development, minor shearing with associated silicification 52.4-53.6 = fractured core with local shearing; py + cpy in fractures
58.7- 58.9	**BASALT DIKE** - amygdaloidal, vesicles filled with a black, soft substance; chilled margins; trace pyrrhotite
58.9- 62.6	**QUARTZ DIORITE** - partially altered for first 1 m
62.6- 63.7	**BASALT DIKE** - chilled margins; becomes medium grained in center with no amygdules
63.7- 67.8	**QUARTZ DIORITE** - first 1.5 m partially altered
67.8- 68.6	**BASALT DIKE** - local fractures filled with calcite
68.6- 87.5	**QUARTZ DIORITE** - locally altered to reddish color (silicified?); local calcite + chlorite-filled fractures
87.5	**EOH**

SUMMARY LOG FOR DRILL HOLE W89-15

Azimuth : 235°   Dip : -65°   Depth: 51.8 m (170 ft.)

INTERVAL (meters)	DESCRIPTION
0 - 3.0	**OVERBURDEN**
3.0 - 23.5	**QUARTZ DIORITE** - local altered zones where groundmass is pale pink in color, plag laths are gray and biotite is chloritized; regular calcite veining 8.2-9.4 = shear zone; abundant clay + sericite(?); core intact
23.5 - 25.6	**STRONGLY ALTERED QUARTZ DIORITE** - nearly total silicification; rare chlorite/biotite and feldspar laths
25.6 - 38.7	**PARTIALLY ALTERED QUARTZ DIORITE** - partial obliteration of intrusive texture; local silicification and/or clay development
38.7 - 42.1	**STRONGLY ALTERED QUARTZ DIORITE** - quartz + clay + sericite
42.1 - 51.8	**PARTIALLY ALTERED QUARTZ DIORITE** - rare veinlets of quartz + cpy; rock becomes less altered in last 6.7 m
51.8	**EOH**

SUMMARY LOG FOR DRILL HOLE W89-16

Azimuth : 360°   Dip : -47°   Depth: 50.9 m (167 ft.)

INTERVAL (meters)	DESCRIPTION
0 - 5.2	**OVERBURDEN**
5.2- 8.8	**LOST CORE** - tricone
8.8- 9.1	**QUARTZ ROCK** - whitish gray; moderately broken
9.1- 9.7	**QUARTZ-ANDALUSITE ROCK** - granular and slightly pitted; 1-2% cpy; core strongly broken, some lost core
9.7-50.9	**QUARTZ-ANDALUSITE-SERICITE ROCK** - variable ratios of the three minerals; local chlorite, hematite and pyrrhotite; 2-8% pyrite; trace cpy 11.3-12.2 = quartz-rich zone; faint andalusite fragments 12.2-19.5 = chlorite to 15% 19.5-20.7 = silicified zone (not quartz rock) 20.7-26.5 = 1-5% pyrrhotite 31.7-39.6 = reddish brown phyllosilicate (altered biotite?) 33.5-42.7 = local quartz veins to 2 cm 36.6-37.2 = white silicified rock with green chlorite specks 39.0-39.6 = same as 36.6-37.2 49.4-50.0 = shear zone (fractured core, intact)
50.9	**EOH**

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890573 GA JOB NUMBER: 890573 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
89 BUZ - 1	370
89 BUZ - 2	230
89 BUZ - 3	270
89 BUZ - 4	240
89 SBUZ - 5	40
89 RB 483	20
89 RB 484	60
89 RB 486	100
89 RB 487	80
89 RB 488	90
89 RB 489	90
89 RB 490	150
89 RB 491	40
89 RB 492	30
89 RB 493	30
89 RB 494	90
89 RB 495	60
89 RB 496	20
89 TR 480	10
89 TR 481	100
89 TR 482	270
89 TR 485	70
89 TR 500	20
89 TR 501	40
89 TR 502	70
89 TR 503	20
89 TR 504	440
89 TR 505	60
89 TR 506	30
89 TR 507	80
89 TR 508	190
89 TR 509	450
89 TR 510	110
89 TR 511	660
89 TR 512	360
89 TR 513	360
89 TR 514	230
89 TR 515	160
89 ZQA 1	2000
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD
BATHURST, N.B.
MISSISSAUGA, ONT
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890809 GA JOB NUMBER: 890809 **ALPINE EXPLORATION CORP.**

SAMPLE #	Au ppb
W89-73	1190

DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890774 GA   JOB NUMBER: 890774   ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
WO-89-32	60
WO-89-34	60
WO-89-36	100
WO-89-37	240
WO-89-39	250
WO-89-44	1000
WO-89-47	100
WO-89-48	20
WO-89-52	20
WO-89-54	200
WO-89-56	50
WO-89-57	nd
WO-89-59	880
WO-89-61	> 10000
WO-89-62	4600
WO-89-63	840
WO-89-64	9200
WO-89-65	750
WO-89-66	4200
WO-89-67	1210
WO-89-68	590
WO-89-69	670
WO-89-70	2150
WO-89-71	340
WO-89-73 (actually WO-89-72)	1100
WO-89-74	1500
WO-89-75	170
WO-89-76	90
WO-89-77	140
WO-89-78	1510

DETECTION LIMIT 5

nd = none detected   -- = not analysed   is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890573 GA JOB NUMBER: 890573 **ALPINE EXPLORATION CORP.**

SAMPLE #	Au ppb
89 ZQA 8	460

actually 89-ZQA-2

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890774 AA JOB NUMBER: 890774 **ALPINE EXPLORATION CORP.**

SAMPLE #	Au oz/st
WO-89-61	.302

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890774 AB JOB NUMBER: 890774 **ALPINE EXPLORATION CORP.**

SAMPLE #	Cu %
WO-89-61	7.05
WO-89-62	6.53
WO-89-64	6.74
WO-89-66	2.62

VANGEOCHEM LAB LIMITED
1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST: [signature]

REPORT #: 890573 PA ALPINE EXPL Proj: TASEKO Date In: 89/09/08 Date Out:89/09/21 Att: B OSBORNE

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
89 BUZ-1	0.6	0.41	<3	570	<3	0.55	0.1	17	40	2495	1.37	0.12	0.28	289	46	0.01	17	0.05	34	<2	<2	26	<5	<3	69
89 BUZ-2	0.4	0.60	3	266	<3	0.36	0.2	25	56	874	1.58	0.10	0.41	318	54	0.02	26	0.06	34	<2	<2	11	<5	<3	72
89 BUZ-3	3.8	0.34	12	317	<3	0.32	0.1	10	66	6638	1.37	0.09	0.08	281	107	0.04	20	0.06	27	<2	<2	13	<5	<3	53
89 BUZ-4	3.0	0.45	29	163	<3	0.46	0.1	10	72	4847	1.97	0.13	0.17	258	90	0.02	23	0.05	19	<2	<2	13	<5	<3	56
89 SBUZ-5	2.0	1.12	<3	>1000	27	0.71	21.0	395	56	7034	1.89	0.44	0.29	>20000	94	0.10	1080	0.06	137	<2	20	407	<5	<3	468
89 RB 482	0.2	1.54	15	507	<3	1.18	0.1	14	82	962	2.21	0.26	1.08	5840	21	0.01	37	0.05	23	<2	<2	29	<5	20	123
89 RB 484	2.8	1.77	15	99	<3	0.56	0.1	15	89	1622	2.83	0.17	1.29	777	4	0.01	20	0.05	29	<2	3	12	<5	<3	89
89 RB 486	3.0	1.51	37	66	<3	0.42	0.2	17	80	1853	2.75	0.14	1.16	441	4	0.01	18	0.05	29	<2	2	10	<5	<3	94
89 RB 487	4.6	1.50	38	34	<3	0.50	0.2	12	103	2577	2.79	0.16	1.13	413	4	0.01	19	0.05	49	<2	<2	13	<5	<3	139
89 RB 488	2.5	1.83	33	104	<3	0.47	0.1	20	90	1653	3.01	0.16	1.35	410	4	0.01	22	0.05	39	<2	3	13	<5	<3	118
89 RB 489	3.8	1.55	158	51	<3	0.19	0.2	11	89	1892	2.76	0.11	1.18	301	7	0.01	15	0.05	25	<2	2	10	<5	<3	79
89 RB 490	2.2	1.77	19	22	<3	0.56	0.1	13	85	1429	2.61	0.16	1.30	357	4	0.01	18	0.05	24	<2	2	13	<5	<3	79
89 RB 491	0.5	1.25	8	28	<3	0.35	0.2	8	94	309	1.87	0.11	1.00	268	85	0.01	16	0.04	24	<2	<2	8	<5	<3	42
89 RB 492	0.2	0.55	<3	84	<3	0.64	0.2	9	77	223	1.57	0.14	0.22	265	69	0.01	11	0.04	18	<2	<2	12	<5	<3	36
89 RB 493	0.9	1.27	<3	609	<3	0.61	0.1	9	72	592	2.02	0.15	0.98	303	20	0.01	18	0.05	24	<2	<2	56	<5	<3	52
89 RB 494	2.7	1.59	12	33	<3	0.39	0.1	13	81	1183	2.34	0.13	1.14	265	13	0.01	17	0.05	28	<2	2	10	<5	<3	77
89 RB 495	2.2	1.94	13	102	<3	0.51	0.1	19	93	962	3.05	0.17	1.46	319	10	0.01	21	0.06	29	<2	4	11	<5	<3	64
89 RB 496	0.2	1.68	6	119	<3	0.47	0.2	15	92	210	2.78	0.15	1.18	202	9	0.01	17	0.05	25	<2	4	13	<5	<3	41
89 TR 480	0.1	0.26	8	50	<3	0.02	0.2	3	164	159	1.53	0.05	0.05	48	908	0.02	10	0.14	15	<2	<2	3	<5	<3	39
89 TR 481	1.3	0.24	38	84	11	0.09	0.1	3	143	131	1.22	0.05	0.04	220	112	0.01	9	0.04	494	<2	<2	4	<5	<3	326
89 TR 482	0.2	0.32	<3	88	<3	0.63	0.1	3	114	29	1.39	0.13	0.12	238	25	0.01	23	0.04	48	<2	<2	10	<5	<3	47
89 TR 485	8.1	1.51	25	18	<3	0.39	0.1	19	83	5200	2.83	0.14	1.18	269	84	0.01	22	0.05	26	<2	2	11	<5	25	196
89 TR 500	0.3	0.33	18	38	<3	0.29	0.1	269	54	121	3.86	0.17	0.15	1499	7	0.01	49	0.01	55	<2	2	14	<5	<3	234
89 TR 501	0.2	0.32	14	50	<3	1.27	0.1	84	26	19	2.60	0.26	0.70	791	4	0.01	24	0.01	70	<2	<2	41	<5	<3	238
89 TR 502	0.2	1.25	20	79	<3	0.11	0.1	43	63	21	6.01	0.20	0.90	700	5	0.02	50	0.01	33	<2	2	9	<5	<3	104
89 TR 503	0.1	1.42	3	356	<3	0.75	0.1	30	43	17	1.77	0.16	1.43	490	4	0.01	40	0.02	27	<2	<2	28	<5	<3	66
89 TR 504	0.6	1.62	71	140	<3	0.04	0.2	11	62	1108	6.54	0.21	0.45	204	19	0.02	23	0.06	46	<2	2	9	<5	<3	43
89 TR 505	0.2	0.24	6	248	<3	0.21	0.2	7	85	510	4.49	0.17	0.03	512	5	0.01	28	0.06	21	<2	2	16	<5	<3	23
89 TR 506	0.2	0.19	65	121	<3	0.01	0.1	2	113	101	1.52	0.05	0.01	26	3	0.01	5	0.01	13	<2	<2	4	<5	<3	19
89 TR 507	0.3	0.02	9	51	<3	0.01	0.2	4	181	802	0.66	0.02	0.01	35	5	0.01	11	0.01	42	<2	<2	1	<5	<3	23
89 TR 508	1.1	0.43	38	106	<3	0.15	0.1	12	22	1798	3.64	0.01	0.02	720	7	0.02	19	0.05	22	<2	<2	16	<5	<3	57
89 TR 509	12.2	0.45	21	147	<3	0.13	0.1	21	35	6448	2.50	0.10	0.01	510	5	0.01	20	0.03	21	<2	<2	14	<5	<3	444
89 TR 510	1.3	0.78	53	15	7	0.36	0.2	18	103	2453	>10.00	0.56	0.05	566	81	0.03	82	0.01	50	<2	5	7	<5	<3	45
89 TR 511	4.0	1.40	43	37	6	0.12	0.1	24	84	7042	>10.00	0.41	0.07	569	47	0.02	85	0.05	50	<2	4	9	<5	<3	143
89 TR 512	1.4	1.05	22	28	<3	0.27	0.1	21	100	3135	5.94	0.22	0.04	411	43	0.02	59	0.02	27	<2	2	13	<5	<3	31
89 TR 513	1.5	0.61	26	46	<3	0.02	0.2	44	121	1377	4.67	0.15	0.01	96	13	0.02	32	0.02	30	<2	2	19	<5	<3	15
89 TR 514	1.7	0.98	39	49	4	0.16	0.2	32	91	2085	>10.00	0.37	0.04	470	45	0.02	108	0.04	35	<2	4	13	<5	<3	37
89 TR 515	1.4	0.49	28	53	<3	0.03	0.2	25	120	509	6.69	0.21	0.03	143	16	0.02	39	0.04	29	<2	3	10	<5	<3	15
89 ZQA 1	3.7	1.04	68	16	<3	0.10	0.1	31	60	13738	2.45	0.09	0.35	66	91	0.01	181	0.08	21	<2	<2	9	<5	<3	[illegible]
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum ANOMALOUS RESULTS = Further Analyses by Alternate Methods Suggested

REPORT #: 890573 PA   ALPINE EXPL   Proj: TASEKO   Date In: 89/09/08   Date Out:89/09/21   Att: B OSBORNE

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
89 ZQA 2	0.9	1.17	11	49	<3	0.19	0.2	104	64	1869	4.26	0.01	0.01	38	86	0.02	122	0.02	22	<2	<2	55	<5	<3	89
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum ANOMALOUS RESULTS = Further Analyses by Alternate Methods Suggested

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890809 PA   ALPINE EXPL   Proj: TASEKO   Date In: 89/11/06   Date Out:89/11/10   Att: B OSBORNE

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
WB9-73	3.6	0.40	1106	28	3	0.02	0.1	135	75	2424	5.18	0.13	0.05	135	8	0.01	144	0.02	120	<2	<2	4	<5	<3	57
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum ANOMALOUS RESULTS = Further Analyses by Alternate Methods Suggested

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST: [signature]

REPORT #: 890774 PA | ALPINE | Proj: TASEKO | Date In: 89/10/20 | Date Out:89/10/27 | Att: B OSBORNE

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
WO-89-32	0.6	0.39	5	180	<3	0.24	0.9	8	29	1121	0.69	0.05	0.02	52	5	0.07	16	0.12	20	<2	<2	20	<5	<3	16
WO-89-34	0.5	1.50	19	17	<3	0.11	0.9	93	48	1585	9.31	0.29	0.02	38	25	0.01	370	0.01	37	<2	<2	26	<5	<3	10
WO-89-36	0.5	0.53	7	28	<3	0.11	0.1	10	105	2584	2.29	0.08	0.07	191	8	0.01	41	0.01	14	<2	<2	5	<5	<3	15
WO-89-37	0.4	0.58	8	26	<3	0.63	0.3	8	52	620	4.49	0.23	0.01	334	3	0.01	108	0.16	15	<2	<2	32	<5	<3	17
WO-89-39	1.0	0.34	10	44	<3	0.20	0.1	26	71	2654	2.11	0.09	0.01	246	14	0.01	60	0.02	10	<2	<2	11	<5	<3	15
WO-89-44	3.8	0.30	65	144	<3	0.06	0.1	42	66	5274	1.98	0.06	0.01	34	36	0.01	125	0.09	70	<2	<2	15	<5	<3	23
WO-89-47	0.7	0.56	41	15	4	0.02	1.3	25	76	823	>10.00	0.42	0.12	438	10	0.01	159	0.03	35	<2	2	2	<5	<3	46
WO-89-48	0.1	3.55	<3	666	<3	3.95	0.4	31	149	1188	4.04	0.72	3.72	724	2	0.01	180	0.39	29	<2	<2	178	<5	<3	117
WO-89-52	0.2	0.92	46	88	8	0.09	3.2	32	41	90	>10.00	0.71	0.56	326	16	0.01	106	0.02	48	<2	<2	7	<5	<3	61
WO-89-54	0.5	0.10	7	667	<3	0.02	0.1	10	79	1205	1.36	0.04	0.03	77	5	0.03	139	0.01	10	<2	<2	39	<5	<3	7
WO-89-56	0.3	0.02	23	38	<3	0.01	0.1	2	70	695	0.46	0.01	0.01	34	2	0.04	6	0.01	10	<2	<2	2	<5	<3	5
WO-89-57	0.5	1.50	9	48	<3	0.24	0.8	7	45	110	8.98	0.30	0.02	65	6	0.01	87	0.03	30	<2	<2	59	<5	<3	8
WO-89-59	5.2	2.83	53	39	5	1.55	3.1	42	16	9936	>10.00	0.74	0.27	1525	6	0.01	149	0.02	64	<2	<2	51	<5	<3	488
WO-89-61	11.6	0.78	24	13	<3	0.11	0.4	67	56	>20000	6.00	0.20	0.01	118	7	0.01	365	0.03	60	<2	3	43	<5	<3	61
WO-89-62	9.4	1.66	33	12	<3	0.17	0.4	305	43	>20000	8.85	0.30	0.03	126	8	0.01	600	0.03	6	<2	3	156	<5	<3	61
WO-89-63	3.6	0.61	30	5	<3	0.03	0.9	198	39	10512	5.45	0.16	0.01	28	8	0.01	2438	0.02	19	<2	<2	6	<5	<3	39
WO-89-64	10.4	1.17	26	13	<3	0.20	0.8	140	57	>20000	8.84	0.30	0.03	58	15	0.01	580	0.04	4	<2	4	89	<5	<3	28
WO-89-65	3.2	1.16	70	19	<3	0.11	0.9	478	30	8233	6.52	0.21	0.01	51	11	0.01	142	0.02	24	<2	<2	21	<5	<3	18
WO-89-66	6.0	1.62	39	29	<3	0.30	0.5	593	42	>20000	8.80	0.31	0.02	42	9	0.01	1233	0.03	25	<2	<2	83	<5	<3	21
WO-89-67	3.8	1.51	51	23	<3	0.22	0.5	211	41	9417	5.52	0.20	0.01	73	10	0.01	454	0.05	24	<2	<2	60	<5	<3	22
WO-89-68	0.8	1.84	25	36	<3	0.40	0.1	125	31	1815	2.30	0.13	0.01	20	15	0.06	134	0.08	20	<2	<2	95	<5	<3	3
WO-89-69	0.5	2.51	<3	30	<3	0.50	0.1	26	26	1558	0.81	0.10	0.01	10	28	0.08	26	0.04	22	<2	<2	103	<5	<3	<1
WO-89-70	3.3	1.37	11	22	<3	0.22	1.0	139	46	12977	5.26	0.19	0.01	54	17	0.01	555	0.03	22	<2	<2	95	<5	<3	22
WO-89-71	1.0	1.25	15	46	<3	0.18	0.1	84	25	2644	2.53	0.10	0.02	46	13	0.04	84	0.03	24	<2	<2	36	<5	<3	14
WO-89-73 *actually WO-89-72	4.8	0.29	42	22	<3	0.01	0.1	113	74	5676	3.95	0.12	0.01	89	8	0.01	223	0.01	20	<2	<2	4	<5	<3	11
WO-89-74	1.0	0.13	4	14	<3	0.13	0.1	7	63	4474	0.76	0.04	0.01	96	3	0.06	22	0.03	10	<2	<2	5	<5	<3	3
WO-89-75	5.7	0.82	74	17	14	0.36	8.1	21	29	7299	>10.00	1.42	0.17	913	15	0.01	228	0.09	108	<2	5	11	<5	<3	156
WO-89-76	0.7	1.05	99	21	3	0.02	0.4	63	49	736	9.13	0.27	0.02	179	5	0.01	325	0.02	32	<2	<2	10	<5	<3	18
WO-89-77	1.5	0.77	90	18	<3	0.12	0.5	139	34	1791	5.84	0.20	0.08	35	5	0.01	193	0.11	26	<2	<2	146	<5	<3	13
WO-89-78	7.2	1.57	38	21	7	0.98	2.8	47	33	9574	>10.00	0.72	0.13	849	8	0.01	168	0.53	160	<2	<2	28	<5	<3	170
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum ANOMALOUS RESULTS = Further Analyses by Alternate Methods Suggested

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890478 GA JOB NUMBER: 890478 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
001	40
002	130
003	20
004	10
005	nd
006	nd
007	nd
008	nd
009	nd
010	nd
011	nd
012	nd
093	900
094	110
095	140
096	110
097	90
098	60
099	60
100	20
~~W8-89-28~~	~~70~~
~~W8-89-29~~	~~40~~
~~W8-89-30~~	~~1490~~
~~W8-89-31~~	~~310~~

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890496 GA   JOB NUMBER: 890496   ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
013	50
014	160
015	20
016	30
017	280
018	610
019	220
020	290
021	70
022	70
023	30
024	40
025	30
026	30
027	330
028	110
029	40
030	70
031	40
032	30
033	nd
034	140
035	20
036	20
037	nd
038	nd
039	20
040	10
041	nd
042	20
043	70
044	60
045	20
046	10
047	20
048	70
049	200
050	170
051	1790

DETECTION LIMIT 5

nd = none detected   -- = not analysed   is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
(604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
052	200
053	590
054	570
055	550
056	220
057	210
058	90
059	170
060	180
061	410
062	320
063	190
064	100
065	190
066	80
067	500
068	460
069	960
070	930
071	700
072	460
073	390
074	220
075	90
076	10
077	570
078	20
079	170
080	230
081	150
082	100
083	160
084	290
085	260
086	700
087	330
088	450
089	210
090	230
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890496 GA JOB NUMBER: 890496 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
091	510
092	180

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890505 GA JOB NUMBER: 890505 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
140	200

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890512 GA JOB NUMBER: 890512 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
180	660
181	20

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890581 GA JOB NUMBER: 890581 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
446	620
447	310

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890505 GA JOB NUMBER: 890505 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
101	550
102	490
103	1720
104	400
105	280
106	210
107	750
108	160
109	660
110	200
111	120
112	160
113	180
114	160
115	300
116	450
117	190
118	180
119	310
120	170
121	20
122	120
123	160
124	90
125	300
126	220
127	150
128	520
129	300
130	260
131	130
132	190
133	30
134	30
135	10
136	240
137	250
138	140
139	480
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890512 GA JOB NUMBER: 890512 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
141	130
142	80
143	30
144	100
145	20
146	50
147	40
148	20
149	20
150	10
151	70
152	70
153	70
154	40
155	20
156	40
157	20
158	30
159	10
160	nd
161	nd
162	20
163	50
164	50
165	70
166	70
167	40
168	90
169	470
170	450
171	200
172	60
173	200
174	210
175	200
176	260
177	30
178	40
179	90
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890544 GA JOB NUMBER: 890544 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
182	60
183	30
184	20
185	50
186	20
187	110
188	410
189	280
190	800
191	190
192	140
193	110
194	90
195	150
196	60
197	60
198	70
199	90
200	90
201	120
202	120
203	180
204	190
205	220
206	120
207	70
208	30
209	130
210	60
211	70
212	30
213	20
214	20
215	30
216	nd
217	550
218	40
219	70
220	30
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890544 GA JOB NUMBER: 890544 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
221	20
222	80
223	50
224	30
225	20
226	20
227	10
228	40
229	5
230	10
231	60
232	70
233	80
234	90
235	30
236	40
237	30
238	40
239	550
240	65
241	30
242	160
243	380
244	20
245	80
246	nd
247	10
248	50
249	500
250	300
251	40

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890530 GA   JOB NUMBER: 890530   ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
252	60
253	160
254	110
255	100
256	60
257	120
258	80
259	50
260	80
261	40
262	40
263	80
264	120
265	60

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890678 GA   JOB NUMBER: 890678   ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
626	80
627	nd
628	20
629	40
630	190
631	20
632	nd
633	30
634	80
635	60
636	380
637	120
638	20
639	50
640	50
641	30
642	120
643	200

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890563 GA   JOB NUMBER: 890563   ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
266	960
267	510
268	130
269	180
270	60
271	10
272	110
273	120
274	160
275	40
276	110
277	10
278	40
279	80
280	230
281	60
282	30
283	100
284	270
285	90
286	100
287	nd
288	40
289	100
290	130
291	180
292	80
293	50
294	300
295	50
296	nd
297	20
298	40
299	10
300	20
301	20
302	20
303	nd
304	nd
DETECTION LIMIT	5

nd = none detected   -- = not analysed   is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
305	220
306	120
307	250
308	170
309	100
310	200
311	380
312	200
313	50
314	60
315	90
316	150
317	540
318	560
319	130
320	200
321	170
322	80
323	180
324	120
325	90
326	80
327	70
328	nd
329	100
330	120
331	200
332	100
333	90
334	490
335	80
336	60
337	700
338	480
339	200
340	200
341	380
342	570
343	540
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890581 GA   JOB NUMBER: 890581   ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
369	30
370	40
371	320
372	70
373	40
374	110
375	320
376	30
377	1030
378	210
379	80
380	30
381	40
382	30
383	40
384	180
385	580
386	420
387	600
388	120
389	410
390	380
391	870
392	170
393	440
394	150
395	530
396	100
397	340
398	550
399	190
400	480
401	140
402	40
403	110
404	30
405	130
406	260
407	390

DETECTION LIMIT 5

nd = none detected   -- = not analysed   is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890563 GA JOB NUMBER: 890563 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
344	980
345	4500
346	630
347	130
348	200
349	820
350	80
351	20
352	20
353	1500
354	140
355	70
356	10
357	20
358	30
359	60
360	30
361	40

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890574 GA JOB NUMBER: 890574 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
362	60
363	70
364	50
365	80
366	20
367	10
368	30

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
408	210
409	210
410	220
411	150
412	220
413	140
414	170
415	110
416	100
417	210
418	30
419	30
420	100
421	150
422	100
423	320
424	70
425	90
426	260
427	50
428	80
429	140
430	40
431	40
432	70
433	70
434	30
435	40
436	270
437	20
438A	60
438B	680
439	90
440	470
441	460
442	470
443	550
444	410
445	760
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890619 GA JOB NUMBER: 890619 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
448	430
449	640
450	570
451	200
452	310
453	60
454	240
455	50
456	60
457	200
458	270
459	80
460	100
461	260
462	160
463	100
464	30
465	10
466	30
467	30
468	80
469	40
470	nd
471	100
472	40
473	30
474	30
475	70
476	240
477	290
478	250
479	nd
480	490
481	30
482	180
483	320
484	510
485	290
486	210
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890619 GA JOB NUMBER: 890619 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
487	200
488	120
489	170
490	600
491	530
492	370
493	280
494	160
495	80
496	270
497	40
498	30
499	70
500	100
501	260
502	60
503	580
504	170
505	440
506	280
507	100
508	210
509	420
510	130
511	230
512	60
513	100
514	60
515	30
516	150
517	70
518	130
519	100
520	50
521	50
522	20
523	30
524	90
525	60
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED
MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
(604) 251-5656
FAX (604) 254-5717
BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
526	50
527	400
528	60
529	420
530	70
531	170
532	330
533	30
534	400
535	210
536	20
537	120
538	970
539	20
540	nd
541	180
542	20
543	190
544	nd
545	nd
546	30
547A	90
547B	nd
548	150
549	50
550	210
551	190
552	120
553	220
554	210
555	200
556	150
557	550
558	800
559	2800
560	810
561	560
562	100
563	70
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
564	280
565	610
566	120
567	300
568	140
569	130
570	270
571	200
572	160
573	710
574	510
575	390
576	370
577	240
578	980
579	490
580	430
581	300
582	nd
583	90
584	30
585	120
586	40
587	30

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD
BATHURST, N.B.
MISSISSAUGA, ONT
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890678 GA JOB NUMBER: 890678 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
588	130
589	120
590	60
591	30
592	nd
593	70
594	nd
595	20
596	nd
597	nd
598	nd
599	nd
600	nd
601	10
602	20
603	40
604	nd
605	nd
606	nd
607	150
608	100
609	nd
610	nd
611	nd
612	60
613	30
614	30
615	nd
616	60
617	30
618	nd
618 B	20
619	100
620	100
621	80
622	40
623	nd
624	120
625	80
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890563 AA JOB NUMBER: 890563 ALPINE EXPLORATION CORP. PAGE 1 OF 1

SAMPLE #	Cu %
345	3.02

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890619 AA JOB NUMBER: 890619 ALPINE EXPLORATION CORP. PAGE 1 OF 1

SAMPLE #	Cu %
559	3.86

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST: [signature]

REPORT #: 890478 PA   ALPINE EXPL   Proj: Date In: 89/08/21   Date Out:89/08/24   Att: B OSBORNE

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
001	0.2	1.00	4	31	<3	0.08	1.6	15	41	381	2.29	0.08	0.73	193	8	0.01	44	0.07	29	<2	<2	11	<5	<3	23
002	0.2	1.24	5	34	<3	0.14	0.5	25	52	391	3.03	0.10	1.14	176	7	0.02	56	0.08	21	<2	<2	9	<5	<3	22
003	0.3	1.43	<3	45	<3	0.09	0.5	28	44	233	3.01	0.09	1.31	227	13	0.01	51	0.06	21	<2	<2	7	<5	<3	27
004	0.1	1.69	<3	34	<3	0.08	0.5	21	56	302	2.56	0.01	1.73	252	15	0.01	29	0.05	17	<2	<2	6	<5	<3	23
005	0.1	1.81	5	32	<3	0.07	0.5	16	47	43	2.61	0.07	1.84	198	9	0.01	45	0.05	13	<2	<2	6	<5	<3	15
006	0.2	1.05	17	22	<3	0.06	0.5	18	44	50	2.78	0.07	0.94	90	4	0.01	28	0.04	13	<2	<2	6	<5	<3	7
007	0.2	0.45	11	21	<3	0.06	0.5	20	60	110	3.32	0.08	0.10	52	5	0.01	64	0.03	14	<2	<2	17	<5	<3	6
008	0.1	0.37	7	20	<3	0.07	0.5	22	76	129	3.08	0.07	0.02	39	3	0.02	29	0.02	20	<2	<2	20	<5	<3	16
009	0.3	0.38	5	38	<3	0.11	0.5	18	42	59	3.07	0.07	0.04	33	4	0.01	52	0.06	13	<2	<2	10	<5	<3	3
010	0.2	0.68	6	36	<3	0.13	0.5	20	52	96	2.86	0.06	0.25	76	3	0.01	50	0.06	15	<2	<2	12	<5	<3	6
011	0.1	1.71	3	19	<3	0.11	0.5	18	35	121	2.51	0.05	1.67	132	6	0.01	37	0.06	14	<2	<2	8	<5	<3	15
012	0.1	1.64	10	19	<3	0.12	0.5	22	48	67	2.80	0.05	1.64	118	4	0.01	24	0.08	14	<2	<2	9	<5	<3	15
093	3.4	0.29	402	36	<3	0.11	1.1	26	168	6095	2.55	0.04	0.06	165	7	0.01	151	0.03	76	<2	<2	12	<5	<3	157
094	1.1	0.26	112	43	<3	0.22	0.5	9	236	1514	3.17	0.05	0.07	225	9	0.01	39	0.04	19	<2	<2	10	<5	<3	32
095	2.2	0.18	37	23	<3	0.36	0.5	12	163	2917	3.01	0.01	0.05	207	5	0.01	43	0.01	14	<2	2	8	<5	<3	17
096	0.6	0.12	65	29	<3	0.20	0.5	14	235	1516	2.77	0.04	0.06	167	9	0.01	36	0.03	14	<2	2	6	<5	<3	16
097	0.6	0.36	38	19	<3	0.37	1.1	17	167	686	7.29	0.09	0.10	452	6	0.02	85	0.04	26	<2	3	10	<5	<3	38
098	0.8	0.31	44	6	<3	0.19	2.8	22	199	263	>10.00	0.12	0.11	613	6	0.03	160	0.01	38	<2	5	6	<5	<3	47
099	0.8	0.44	35	6	<3	0.53	1.9	15	227	229	9.41	0.09	0.14	739	5	0.02	85	0.01	33	<2	5	12	<5	<3	35
100	0.1	0.14	23	9	<3	0.32	0.5	8	251	143	2.84	0.03	0.07	245	7	0.01	28	0.01	15	<2	2	10	<5	<3	26
~~WB-89-28~~	~~2.4~~	~~1.29~~	~~23~~	~~23~~	~~<3~~	~~0.52~~	~~0.5~~	~~16~~	~~56~~	~~923~~	~~2.59~~	~~0.02~~	~~1.03~~	~~283~~	~~6~~	~~0.01~~	~~40~~	~~0.04~~	~~27~~	~~<2~~	~~<2~~	~~14~~	~~<5~~	~~<3~~	~~77~~
~~WB-89-29~~	~~2.3~~	~~1.41~~	~~17~~	~~48~~	~~<3~~	~~0.38~~	~~0.5~~	~~19~~	~~78~~	~~1140~~	~~2.66~~	~~0.01~~	~~1.17~~	~~275~~	~~3~~	~~0.02~~	~~18~~	~~0.04~~	~~17~~	~~<2~~	~~2~~	~~11~~	~~<5~~	~~<3~~	~~87~~
~~WB-89-30~~	~~38.5~~	~~1.46~~	~~139~~	~~19~~	~~<3~~	~~0.10~~	~~5.1~~	~~53~~	~~34~~	~~>20000~~	~~9.30~~	~~0.01~~	~~0.77~~	~~89~~	~~205~~	~~0.01~~	~~47~~	~~0.07~~	~~134~~	~~<2~~	~~8~~	~~2~~	~~<5~~	~~<3~~	~~323~~
~~WB-89-31~~	~~10.1~~	~~1.22~~	~~27~~	~~32~~	~~<3~~	~~0.64~~	~~2.6~~	~~17~~	~~77~~	~~6965~~	~~2.85~~	~~0.01~~	~~0.01~~	~~317~~	~~40~~	~~0.01~~	~~15~~	~~0.04~~	~~18~~	~~<2~~	~~<2~~	~~39~~	~~<5~~	~~579~~	~~341~~
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890496 PA ALPINE EXPLORATION Proj: TASEKO Date In: 89/08/23 Date Out:89/08/31 Att: B OSBORNE

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
013	0.1	1.09	12	40	<3	0.80	0.8	17	46	670	2.63	0.20	1.01	333	3	0.01	30	0.08	13	<2	<2	87	<5	<3	28
014	0.4	0.97	14	41	<3	0.28	0.2	20	114	783	2.99	0.13	0.70	252	12	0.01	27	0.07	16	<2	<2	13	<5	<3	23
015	0.9	0.76	20	29	<3	1.24	0.2	17	67	79	3.43	0.29	0.49	94	2	0.01	23	0.06	12	<2	<2	59	<5	<3	21
016	0.1	0.91	15	34	<3	0.13	0.6	19	117	149	3.47	0.01	0.76	70	6	0.01	25	0.07	15	<2	<2	7	<5	<3	17
017	1.2	0.50	5	17	<3	0.97	0.1	12	69	1148	1.45	0.18	0.05	205	3	0.01	22	0.07	7	<2	<2	29	<5	<3	11
018	1.1	0.59	9	26	<3	0.52	0.1	22	146	2846	1.96	0.13	0.01	78	11	0.02	40	0.09	12	<2	<2	36	<5	<3	7
019	0.2	0.65	33	25	<3	0.51	0.1	25	61	1160	2.99	0.16	0.02	81	5	0.01	48	0.07	12	<2	<2	36	<5	<3	16
020	0.3	0.69	12	23	<3	0.36	0.1	22	144	1386	2.82	0.14	0.01	52	6	0.01	38	0.07	11	<2	<2	91	<5	<3	6
021	0.3	0.85	33	36	<3	0.62	0.4	26	151	470	3.98	0.26	0.06	167	9	0.02	41	0.08	14	<2	<2	691	<5	<3	13
022	0.3	0.61	154	50	<3	0.13	0.1	34	69	608	4.04	0.01	0.04	125	7	0.01	52	0.05	16	<2	2	54	<5	<3	14
023	0.2	0.53	198	10	<3	0.23	0.1	20	171	553	2.09	0.10	0.01	48	7	0.01	26	0.02	10	<2	<2	26	<5	<3	6
024	0.3	0.53	26	15	<3	0.28	0.2	39	87	494	3.44	0.01	0.02	58	9	0.01	47	0.02	15	<2	2	27	<5	<3	10
025	13.7	0.61	32	19	<3	0.28	0.4	42	175	549	4.88	0.22	0.02	56	6	0.02	52	0.02	17	<2	2	373	<5	<3	9
026	2.7	0.56	18	23	<3	0.62	0.4	33	77	145	4.55	0.26	0.02	39	4	0.02	44	0.02	17	<2	2	494	<5	<3	10
027	0.3	0.64	8	22	<3	0.72	0.1	29	59	1950	2.59	0.01	0.02	46	12	0.02	45	0.04	11	<2	<2	221	<5	<3	7
028	0.3	0.52	36	14	<3	0.13	0.2	26	189	743	2.90	0.11	0.03	49	7	0.01	38	0.04	14	<2	<2	34	<5	<3	10
029	0.4	0.51	66	44	<3	0.66	0.1	25	65	1487	2.66	0.01	0.03	130	6	0.01	39	0.04	12	<2	<2	313	<5	<3	14
030	0.3	0.44	73	77	<3	0.42	0.1	25	187	755	1.76	0.01	0.01	82	10	0.01	33	0.08	12	<2	<2	102	<5	<3	15
031	0.3	0.07	35	52	<3	0.03	0.1	4	114	491	0.50	0.02	0.01	35	2	0.01	6	0.01	7	<2	<2	9	<5	<3	12
032	0.4	0.03	4	48	<3	0.01	0.1	4	313	573	0.53	0.01	0.01	41	10	0.01	8	0.01	8	<2	<2	5	<5	<3	10
033	0.1	2.50	17	19	<3	0.12	0.6	19	52	35	2.70	0.10	2.44	204	3	0.01	29	0.07	16	<2	<2	8	<5	<3	29
034	0.2	2.34	14	26	<3	0.11	0.7	17	95	22	2.66	0.09	2.23	168	5	0.01	26	0.07	19	<2	<2	6	<5	<3	26
035	0.3	1.89	16	30	<3	0.12	0.7	21	52	89	3.18	0.11	1.82	211	4	0.01	28	0.07	17	<2	<2	14	<5	<3	31
036	0.2	2.50	14	43	<3	0.14	0.8	26	77	102	3.65	0.13	2.25	581	7	0.01	31	0.06	20	<2	<2	13	<5	<3	43
037	0.2	2.21	16	37	<3	0.18	0.8	20	41	111	3.30	0.13	2.06	1187	5	0.01	26	0.06	21	<2	<2	15	<5	<3	52
038	0.2	1.80	17	35	<3	0.13	0.8	18	77	61	3.21	0.12	1.65	1937	4	0.01	23	0.05	20	<2	<2	10	<5	<3	51
039	0.1	1.61	12	31	<3	1.09	0.8	15	80	24	2.84	0.25	1.52	1576	3	0.01	21	0.06	15	<2	<2	45	<5	<3	39
040	0.2	0.51	17	15	<3	1.02	0.4	17	50	88	3.79	0.29	0.03	62	2	0.02	24	0.06	15	<2	<2	330	<5	<3	8
041	1.6	0.41	9	19	<3	0.11	0.4	16	53	37	3.33	0.11	0.01	21	2	0.02	22	0.05	13	<2	<2	20	<5	<3	3
042	0.3	0.77	11	30	<3	0.13	0.4	17	110	59	3.29	0.12	0.55	77	4	0.01	25	0.07	14	<2	2	9	<5	<3	17
043	0.3	0.37	14	102	<3	0.48	0.7	24	94	829	5.03	0.22	0.02	173	11	0.02	50	0.09	16	<2	2	22	<5	<3	7
044	1.2	0.55	18	30	<3	0.10	0.2	32	193	658	2.67	0.09	0.02	72	20	0.01	51	0.02	15	<2	<2	21	<5	<3	12
045	1.2	1.08	17	37	<3	0.11	0.8	22	71	231	2.52	0.09	0.77	95	4	0.01	30	0.06	24	<2	<2	16	<5	<3	22
046	0.2	2.00	23	29	3	0.11	1.5	21	113	66	4.51	0.01	1.76	146	10	0.01	30	0.05	22	<2	<2	26	<5	<3	13
047	0.4	0.74	20	42	<3	0.12	0.6	44	34	293	4.44	0.15	0.10	83	185	0.02	48	0.04	17	<2	<2	43	<5	<3	9
048	0.5	0.48	14	186	<3	0.77	0.7	29	46	899	3.45	0.22	0.02	209	10	0.01	37	0.10	14	<2	<2	99	<5	<3	10
049	1.9	0.66	20	124	<3	0.58	1.2	38	65	1855	3.88	0.23	0.02	190	20	0.01	44	0.08	22	<2	<2	373	<5	<3	23
050	1.9	0.49	29	98	<3	0.48	1.1	31	33	1004	3.17	0.17	0.01	143	4	0.01	40	0.09	28	<2	<2	71	<5	<3	17
051	1.6	0.50	14	31	<3	1.05	1.3	47	48	1430	3.18	0.25	0.09	264	62	0.01	41	0.17	57	<2	2	54	<5	<3	21
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
052	5.3	0.41	4	238	<3	1.55	2.1	11	60	1417	1.85	0.29	0.04	310	35	0.01	24	0.20	14	<2	<2	75	<5	<3	15
053	4.3	1.04	37	67	<3	0.66	0.8	119	61	5067	5.61	0.27	0.04	207	21	0.02	144	0.09	24	<2	<2	60	<5	<3	23
054	1.9	1.10	19	150	<3	1.71	0.8	44	67	2716	4.96	0.41	0.07	507	21	0.02	98	0.20	29	<2	<2	82	<5	<3	33
055	2.6	0.87	13	57	<3	1.64	0.4	34	49	4046	4.02	0.36	0.06	474	12	0.02	75	0.22	24	<2	<2	66	<5	<3	23
056	1.7	0.37	32	12	<3	0.53	1.3	15	211	1783	7.35	0.30	0.11	616	21	0.02	83	0.12	31	<2	3	12	<5	<3	30
057	1.3	1.24	13	58	<3	1.05	0.1	19	44	1531	1.57	0.20	0.17	196	14	0.02	35	0.29	17	<2	<2	61	<5	<3	18
058	1.2	0.25	86	42	<3	0.22	0.1	7	251	1272	2.76	0.11	0.07	180	17	0.01	32	0.10	20	<2	2	11	<5	<3	22
059	1.2	0.12	87	20	<3	0.07	0.1	9	105	1700	3.27	0.11	0.06	152	18	0.01	36	0.02	20	<2	<2	6	<5	<3	25
060	1.2	0.11	90	34	<3	0.06	0.2	10	250	2550	3.46	0.11	0.06	183	22	0.01	39	0.01	19	<2	2	6	<5	<3	25
061	2.3	0.08	161	132	<3	0.15	0.1	13	99	4193	2.08	0.08	0.03	120	39	0.02	33	0.02	15	<2	2	11	<5	<3	13
062	2.2	0.53	47	103	<3	0.87	0.1	28	76	2355	1.35	0.17	0.01	151	9	0.01	50	0.15	37	<2	<2	75	<5	<3	71
063	1.8	0.42	10	170	<3	1.19	0.1	24	46	1930	1.36	0.22	0.01	159	7	0.01	37	0.17	17	<2	<2	91	<5	<3	15
064	1.2	0.48	11	111	<3	1.02	0.1	12	69	1071	1.24	0.19	0.01	142	7	0.01	33	0.20	17	<2	<2	57	<5	<3	11
065	1.7	0.49	7	91	<3	0.64	0.1	14	45	1768	1.48	0.14	0.01	108	18	0.01	27	0.13	17	<2	<2	46	<5	<3	9
066	0.7	0.67	6	101	<3	0.89	0.1	13	75	777	2.11	0.20	0.02	197	11	0.02	34	0.17	20	<2	<2	54	<5	<3	22
067	3.6	0.34	31	26	3	0.46	1.3	22	146	6212	7.51	0.29	0.08	360	16	0.02	101	0.02	27	<2	3	12	<5	<3	32
068	3.5	0.39	30	38	<3	0.45	1.1	27	227	6996	5.65	0.24	0.07	322	18	0.02	80	0.03	30	<2	3	14	<5	<3	49
069	5.3	0.30	54	21	<3	0.24	1.3	27	139	10300	5.82	0.21	0.08	356	21	0.02	102	0.01	26	<2	3	8	<5	<3	58
070	5.8	0.24	65	14	<3	0.21	1.3	28	253	9949	5.09	0.18	0.07	268	14	0.02	95	0.01	38	<2	3	7	<5	<3	110
071	5.1	0.11	86	10	<3	0.17	0.7	21	119	8329	3.66	0.13	0.06	282	12	0.01	66	0.01	28	<2	2	5	<5	<3	80
072	3.1	0.26	27	65	<3	0.29	0.7	24	243	5745	3.39	0.14	0.06	253	11	0.01	71	0.02	34	<2	2	13	<5	<3	93
073	2.5	0.10	20	10	<3	0.14	0.2	19	143	5776	2.60	0.10	0.04	191	9	0.01	49	0.01	25	<2	2	5	<5	<3	61
074	1.7	0.19	11	66	<3	0.40	0.1	18	245	4666	2.51	0.13	0.05	259	11	0.01	45	0.05	15	<2	<2	13	<5	<3	17
075	1.5	0.66	10	73	<3	0.94	0.1	21	70	1498	2.05	0.20	0.04	170	7	0.02	24	0.29	14	<2	<2	44	<5	<3	8
076	0.5	0.76	<3	54	<3	0.35	0.1	2	86	142	0.23	0.06	0.02	65	15	0.01	3	0.06	11	<2	<2	45	<5	<3	6
077	2.4	0.35	6	84	<3	0.54	0.1	9	71	2270	1.38	0.12	0.02	176	17	0.01	30	0.06	14	<2	<2	28	<5	<3	25
078	0.5	0.56	3	297	<3	0.96	0.1	2	86	164	0.32	0.15	0.01	282	8	0.01	7	0.09	8	<2	<2	69	<5	<3	8
079	2.2	0.37	6	375	<3	0.47	0.1	10	96	2454	2.09	0.13	0.03	216	10	0.01	32	0.05	13	<2	<2	44	<5	<3	12
080	2.8	0.30	29	24	<3	0.22	2.1	21	172	3778	5.96	0.21	0.05	326	9	0.03	75	0.02	60	<2	2	6	<5	<3	155
081	2.3	0.38	23	12	<3	0.24	1.6	15	111	2386	7.38	0.26	0.08	445	5	0.02	79	0.01	25	<2	3	6	<5	<3	25
082	1.5	0.41	28	30	<3	0.30	2.2	10	215	1448	7.01	0.25	0.08	407	8	0.02	75	0.02	25	<2	3	9	<5	<3	26
083	2.8	0.26	15	12	<3	0.38	0.8	11	140	3110	3.37	0.15	0.04	254	3	0.02	43	0.01	16	<2	2	7	<5	<3	17
084	1.9	0.41	20	21	<3	0.28	1.3	13	236	2780	5.08	0.19	0.06	195	13	0.02	64	0.02	19	<2	2	9	<5	<3	25
085	2.5	0.16	8	51	<3	0.29	0.7	9	132	3779	2.28	0.11	0.03	175	5	0.01	36	0.02	15	<2	<2	11	<5	<3	30
086	6.5	0.33	48	74	<3	0.17	0.8	52	205	7731	2.75	0.11	0.02	144	10	0.01	77	0.03	26	<2	<2	13	<5	<3	63
087	2.9	0.27	48	152	<3	0.28	0.7	31	111	4500	2.30	0.11	0.04	174	9	0.01	50	0.02	22	<2	<2	18	<5	<3	45
088	13.3	0.37	26	45	<3	0.25	2.1	28	219	6048	4.16	0.16	0.05	205	33	0.01	59	0.01	29	<2	2	9	<5	<3	66
089	2.2	0.23	231	20	<3	0.12	0.2	21	111	3538	3.12	0.11	0.06	178	5	0.01	57	0.01	20	<2	<2	8	<5	<3	44
090	2.2	0.13	114	81	<3	0.23	0.1	17	214	4407	2.42	0.10	0.05	138	8	0.01	42	0.01	16	<2	<2	9	<5	<3	24
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

REPORT #: 890496 PA ALPINE EXPLORATION Proj: TASEKO Date In: 89/08/23 Date Out:89/08/31 Att: B OSBORNE

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
091	2.2	0.12	29	96	<3	0.23	0.2	14	112	3205	2.82	0.12	0.06	153	2	0.01	48	0.01	14	<2	2	9	<5	<3	21
092	1.3	0.30	17	22	3	0.48	0.4	12	212	2551	4.42	0.20	0.07	246	7	0.01	53	0.02	18	<2	2	10	<5	<3	22
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

REPORT #: 890505 PA ALPINE EXPLORATION Proj: TASEKO Date In: 89/08/24 Date Out:89/08/31 Att:

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
140	0.3	1.38	<3	24	<3	0.88	0.5	13	46	1308	1.80	0.18	1.31	148	15	0.01	26	0.05	15	<2	<2	50	<5	<3	20
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST: [signature]

REPORT #: 890505 PA ALPINE EXPLORATION Proj: TASEKO Date In: 89/08/24 Date Out:89/08/31 Att:

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
101	3.2	0.38	16	28	<3	0.59	0.4	17	219	4637	4.51	0.22	0.05	130	24	0.02	50	0.09	21	<2	2	11	<5	<3	11
102	4.2	0.69	39	29	4	1.09	2.2	23	175	3713	>10.00	0.01	0.17	295	8	0.03	114	0.22	35	<2	4	22	<5	<3	38
103	4.0	2.13	67	18	8	1.03	4.1	42	314	6023	>10.00	0.01	1.32	686	10	0.04	196	0.29	45	<2	4	18	<5	<3	66
104	1.4	1.23	57	14	6	0.80	3.7	33	217	2903	>10.00	0.58	0.79	515	163	0.03	162	0.13	40	<2	5	13	<5	<3	46
105	0.4	0.46	39	20	3	0.32	1.6	16	243	1051	9.89	0.34	0.23	361	31	0.02	93	0.02	27	<2	4	6	<5	<3	29
106	0.5	0.69	55	39	6	0.63	3.1	14	200	1145	>10.00	0.55	0.35	678	20	0.03	130	0.02	37	<2	5	12	<5	<3	43
107	0.3	0.67	107	12	13	0.34	6.7	28	313	917	>10.00	0.99	0.32	720	24	0.06	239	0.07	66	<2	9	8	<5	<3	50
108	0.3	0.26	67	8	8	0.30	3.6	37	224	1547	>10.00	0.61	0.23	847	12	0.04	163	0.03	44	<2	8	6	<5	<3	43
109	0.3	0.98	<3	40	<3	1.22	0.1	8	122	928	1.71	0.23	0.29	264	18	0.02	43	0.19	10	<2	<2	36	<5	<3	21
110	0.3	0.63	<3	36	<3	0.87	0.1	14	50	1141	0.93	0.16	0.10	152	21	0.01	21	0.16	8	<2	<2	44	<5	<3	10
111	0.2	0.52	<3	37	<3	1.17	0.1	6	89	821	0.65	0.01	0.05	202	7	0.01	11	0.19	7	<2	<2	45	<5	<3	9
112	0.5	0.50	<3	33	<3	1.08	0.1	6	68	641	0.79	0.18	0.15	206	4	0.02	16	0.15	8	<2	<2	31	<5	<3	8
113	0.3	0.64	<3	53	<3	1.04	0.1	4	97	915	0.43	0.17	0.03	144	9	0.02	10	0.15	8	<2	<2	50	<5	<3	10
114	0.4	1.19	<3	39	<3	0.76	0.1	12	65	1909	1.93	0.17	0.97	263	17	0.01	35	0.08	35	<2	5	25	<5	<3	35
115	0.5	1.25	9	47	<3	0.29	0.1	23	130	2109	3.04	0.13	0.90	205	20	0.01	39	0.07	16	<2	<2	32	<5	<3	22
116	0.3	0.68	<3	42	<3	0.46	0.1	18	59	2614	1.91	0.13	0.19	144	22	0.02	30	0.08	9	<2	<2	52	<5	<3	13
117	0.1	0.81	3	46	<3	0.25	0.1	12	116	939	1.77	0.09	0.45	168	12	0.01	22	0.07	9	<2	<2	34	<5	<3	12
118	0.2	1.07	11	49	<3	0.13	0.1	26	62	1455	3.10	0.11	0.66	243	12	0.01	36	0.07	15	<2	<2	34	<5	<3	18
119	0.3	0.94	<3	42	<3	0.53	0.1	18	140	1721	2.18	0.14	0.51	256	46	0.02	36	0.07	10	<2	<2	46	<5	<3	18
120	0.2	0.84	<3	34	<3	0.26	0.1	20	64	1157	2.75	0.12	0.54	210	11	0.01	31	0.07	13	<2	<2	34	<5	<3	18
121	0.2	0.94	11	36	<3	0.17	0.1	30	138	466	4.06	0.15	0.34	227	11	0.02	37	0.08	15	<2	<2	45	<5	<3	14
122	0.1	1.05	9	40	<3	0.23	0.1	16	63	900	2.57	0.11	0.71	227	16	0.01	27	0.07	14	<2	<2	29	<5	<3	19
123	0.2	1.30	6	33	<3	0.24	0.1	19	120	1060	2.41	0.11	1.04	391	21	0.01	26	0.06	15	<2	<2	27	<5	<3	27
124	0.1	1.15	9	31	<3	0.14	0.2	18	65	770	3.53	0.13	0.78	483	31	0.01	30	0.06	16	<2	<2	25	<5	<3	56
125	0.4	1.69	11	25	<3	0.17	0.6	21	114	2397	3.05	0.11	1.85	366	31	0.01	33	0.06	15	<2	<2	14	<5	<3	36
126	0.4	1.43	6	33	<3	0.72	0.1	13	67	2016	1.90	0.16	1.23	390	58	0.01	51	0.06	19	<2	<2	22	<5	<3	51
127	0.1	1.39	<3	77	<3	0.99	0.1	10	118	564	1.33	0.19	1.12	304	9	0.01	49	0.06	30	<2	<2	28	<5	<3	76
128	0.5	1.93	10	76	<3	0.58	0.2	21	66	4586	2.53	0.16	2.04	240	13	0.01	68	0.07	18	<2	<2	21	<5	<3	40
129	0.3	1.48	<3	95	<3	0.82	0.1	13	115	2017	1.77	0.17	1.34	284	9	0.01	54	0.06	16	<2	<2	28	<5	<3	41
130	0.3	0.90	<3	56	<3	0.88	0.1	12	67	1766	1.35	0.17	0.60	257	9	0.01	40	0.06	14	<2	<2	26	<5	<3	31
131	0.1	1.06	<3	42	<3	1.11	0.1	14	126	1101	2.36	0.24	0.63	450	46	0.01	29	0.06	9	<2	<2	73	<5	<3	26
132	0.5	1.04	4	45	<3	1.01	0.2	15	68	1522	1.97	0.22	0.71	311	11	0.01	33	0.06	16	<2	<2	118	<5	<3	37
133	0.1	1.20	<3	37	<3	1.24	0.1	16	144	688	2.44	0.26	0.92	378	22	0.01	27	0.06	16	<2	<2	94	<5	<3	33
134	0.1	1.25	<3	43	<3	1.22	0.1	7	74	604	1.29	0.22	0.95	306	12	0.01	36	0.04	22	<2	<2	32	<5	<3	50
135	0.4	1.35	4	42	<3	1.01	0.1	7	108	367	1.29	0.01	1.07	270	11	0.02	42	0.06	17	<2	<2	29	<5	<3	42
136	0.5	1.29	3	48	<3	1.15	0.8	14	58	1708	1.79	0.23	1.05	229	74	0.01	38	0.05	16	<2	<2	64	<5	<3	35
137	0.6	1.59	3	57	<3	1.35	0.6	12	114	1842	1.47	0.01	1.34	235	24	0.01	42	0.06	19	<2	<2	41	<5	<3	44
138	0.4	1.62	<3	45	<3	1.00	0.6	10	76	871	1.39	0.19	1.49	256	58	0.01	44	0.05	23	<2	<2	27	<5	<3	48
139	0.5	1.31	<3	38	<3	0.74	0.8	16	119	2683	1.75	0.16	1.09	207	25	0.01	45	0.06	16	<2	<2	23	<5	<3	35
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	[illegible]	[illegible]	1000	[illegible]	10.	0.0	[illegible]	100[illegible]	[illegible]	[illegible]	10.00	[illegible]	200	000	[illegible]	2000[illegible]	[illegible]	[illegible]	2000	[illegible]	100	100	[illegible]	2000

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890512 PA ALPINE EXPLORATION Proj: TASEKO Date In: 89/08/28 Date Out:89/09/05 Att: B OSBORNE

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
141	0.5	0.71	7	67	<3	0.24	0.4	19	51	1128	2.15	0.01	0.07	107	18	0.01	38	0.02	18	<2	<2	14	<5	<3	29
142	0.1	0.50	7	42	<3	0.11	0.1	25	52	208	2.70	0.01	0.02	40	4	0.01	41	0.03	15	<2	<2	16	<5	<3	14
143	0.1	0.80	11	21	<3	0.10	0.1	25	39	176	3.78	0.01	0.01	40	5	0.01	40	0.02	19	<2	<2	15	<5	<3	12
144	0.2	1.33	12	17	<3	0.15	0.1	22	43	704	3.55	0.01	0.01	61	11	0.01	26	0.02	20	<2	<2	17	<5	<3	16
145	0.2	2.41	13	32	3	0.18	0.8	26	23	246	4.42	0.01	1.98	269	7	0.01	34	0.07	26	8	<2	14	<5	<3	30
146	0.2	1.38	3	29	<3	3.58	0.1	19	22	71	2.85	0.01	1.18	120	7	0.01	26	0.08	18	<2	<2	249	<5	<3	17
147	0.1	2.37	6	18	<3	2.44	0.7	19	25	70	3.90	0.01	2.13	176	3	0.01	30	0.07	20	<2	<2	133	<5	<3	20
148	0.1	1.78	5	23	<3	1.41	0.6	29	21	169	3.79	0.01	1.63	179	3	0.01	33	0.06	21	<2	<2	74	<5	<3	19
149	0.2	2.07	<3	33	<3	1.53	0.3	21	30	267	2.82	0.01	1.47	940	2	0.02	24	0.08	23	<2	<2	69	<5	<3	41
150	0.1	1.13	13	26	<3	0.30	0.3	17	26	125	3.29	0.01	1.05	228	3	0.01	23	0.11	19	<2	<2	13	<5	<3	24
151	0.3	0.57	<3	19	<3	1.30	0.1	13	38	664	2.52	0.02	0.05	197	11	0.02	24	0.13	13	<2	<2	35	<5	<3	9
152	0.5	0.79	49	30	<3	0.30	0.4	47	51	1324	4.87	0.02	0.03	101	7	0.02	56	0.05	22	<2	<2	29	<5	<3	16
153	0.5	0.18	6	39	<3	0.16	0.1	12	137	1844	1.28	0.01	0.01	44	9	0.02	15	0.03	11	<2	<2	7	<5	<3	7
154	0.1	0.05	<3	26	<3	0.03	0.1	3	176	615	0.56	0.01	0.01	33	14	0.01	6	0.01	9	<2	<2	4	<5	<3	6
155	0.1	0.06	<3	10	<3	0.01	0.1	2	130	282	0.33	0.01	0.01	28	1	0.01	3	0.01	8	<2	<2	2	<5	<3	4
156	0.1	0.13	3	13	<3	0.02	0.1	3	141	355	0.42	0.01	0.01	33	1	0.01	5	0.01	17	<2	<2	6	<5	<3	32
157	0.3	0.17	42	19	<3	0.11	0.1	2	111	444	0.42	0.01	0.01	49	1	0.01	6	0.02	38	<2	<2	7	<5	<3	117
158	0.1	0.13	<3	26	<3	0.18	0.1	3	123	409	0.45	0.01	0.01	68	2	0.01	6	0.02	11	<2	<2	6	<5	<3	15
159	0.2	0.07	<3	16	<3	0.07	0.1	3	131	529	0.39	0.01	0.01	43	5	0.01	6	0.01	13	<2	<2	3	<5	<3	27
160	0.2	0.04	<3	12	<3	0.01	0.1	2	145	520	0.34	0.01	0.01	47	6	0.01	3	0.01	7	<2	<2	2	<5	<3	7
161	0.1	0.03	<3	10	<3	0.01	0.1	2	134	441	0.30	0.01	0.01	37	1	0.01	14	0.01	7	<2	<2	2	<5	<3	7
162	0.1	0.04	<3	10	<3	0.02	0.1	2	157	422	0.32	0.01	0.01	31	13	0.01	3	0.01	7	<2	<2	3	<5	<3	7
163	0.1	0.05	<3	19	<3	0.04	0.1	2	147	478	0.41	0.01	0.01	39	2	0.01	6	0.01	11	<2	<2	5	<5	<3	13
164	0.2	0.29	59	12	<3	0.06	0.1	14	119	924	1.53	0.02	0.01	62	4	0.01	17	0.01	12	<2	<2	10	<5	<3	18
165	0.6	0.49	17	12	<3	0.34	0.5	18	106	1672	3.85	0.08	0.05	145	8	0.01	41	0.02	18	<2	<2	21	<5	<3	32
166	0.4	0.34	<3	29	<3	0.89	0.1	14	93	1279	1.79	0.10	0.02	138	15	0.01	24	0.03	10	<2	<2	35	<5	<3	14
167	1.1	0.53	30	18	<3	0.46	0.6	39	98	2247	3.53	0.09	0.04	174	8	0.01	65	0.01	20	<2	<2	23	<5	<3	41
168	0.6	0.48	105	10	<3	0.55	0.1	20	97	1611	2.26	0.09	0.02	126	9	0.01	47	0.01	15	<2	<2	24	<5	<3	20
169	1.1	0.44	24	16	<3	1.03	0.1	21	93	2839	1.87	0.13	0.03	131	7	0.01	45	0.01	12	<2	<2	47	<5	<3	28
170	1.6	0.68	11	58	<3	0.40	0.4	29	95	3413	2.56	0.09	0.03	117	8	0.02	68	0.01	15	<2	<2	47	<5	<3	20
171	0.5	0.37	10	25	<3	0.12	0.9	36	97	1537	2.80	0.07	0.01	50	14	0.01	55	0.02	20	<2	<2	36	<5	<3	49
172	0.4	0.40	31	12	<3	0.04	0.3	26	79	988	2.32	0.05	0.01	24	12	0.01	39	0.01	15	<2	<2	31	<5	<3	22
173	1.1	0.45	33	17	<3	0.53	0.1	24	73	2118	2.16	0.10	0.02	77	9	0.01	39	0.03	20	<2	<2	38	<5	<3	47
174	1.5	0.53	76	20	<3	0.61	0.1	18	71	2784	1.27	0.10	0.02	116	4	0.01	39	0.04	11	<2	<2	47	<5	<3	24
175	1.6	0.38	17	35	<3	0.27	0.6	28	89	3047	1.93	0.07	0.01	92	4	0.01	45	0.03	19	<2	<2	27	<5	<3	55
176	1.1	0.30	5	11	<3	0.05	0.9	30	100	2172	2.44	0.01	0.01	56	6	0.01	49	0.01	17	<2	<2	15	<5	<3	44
177	0.2	0.45	6	16	<3	0.05	0.8	43	73	608	3.24	0.08	0.01	51	3	0.01	46	0.01	17	<2	<2	21	<5	<3	21
178	0.1	0.56	6	36	<3	0.10	0.5	25	80	668	2.60	0.01	0.01	62	2	0.01	37	0.02	18	<2	<2	19	<5	<3	20
179	0.6	0.63	11	24	<3	0.76	0.5	36	88	1673	2.89	0.18	0.02	150	3	0.01	58	0.02	22	<2	<2	32	<5	<3	21
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890544 PA　　ALPINE EXPL　　Proj: TASEKO　　Date In: 89/09/01　　Date Out:89/09/15　　Att: B OSBORNE　　

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
182	0.3	0.40	46	53	<3	1.16	2.2	16	30	785	0.46	0.19	0.02	219	11	0.03	21	0.26	33	<2	<2	33	<5	<3	43
183	0.1	0.87	<3	48	<3	0.55	0.1	6	74	670	0.31	0.09	0.04	64	16	0.03	9	0.25	24	<2	<2	33	<5	<3	15
184	0.1	1.00	3	57	<3	0.49	0.1	7	46	457	2.59	0.15	0.08	159	6	0.02	64	0.12	20	<2	<2	34	<5	<3	19
185	0.1	0.95	47	9	5	0.63	1.7	19	206	575	>10.00	0.43	0.28	553	9	0.01	103	0.02	32	<2	4	13	<5	<3	63
186	0.1	0.39	87	5	12	0.15	5.1	39	304	336	>10.00	0.75	0.32	215	14	0.01	232	0.02	51	<2	9	5	<5	<3	33
187	0.4	4.84	31	9	8	1.80	2.7	23	252	1369	>10.00	0.62	4.42	1573	8	0.09	255	0.30	50	<2	<2	35	<5	<3	122
188	0.9	0.93	6	34	<3	0.89	0.1	30	40	3010	2.23	0.20	0.26	212	12	0.03	72	0.15	17	<2	<2	82	<5	<3	16
189	0.1	0.86	<3	36	<3	0.97	0.1	17	39	1460	2.10	0.97	0.26	193	45	0.04	29	0.09	19	<2	<2	79	<5	<3	15
190	0.9	0.45	4	40	<3	0.60	0.1	17	43	6126	1.55	0.13	0.08	107	37	0.03	53	0.08	22	<2	<2	34	<5	<3	19
191	0.6	1.19	6	29	<3	0.38	0.1	24	57	2243	2.39	0.13	1.07	184	17	0.01	34	0.06	23	<2	<2	36	<5	<3	35
192	0.2	1.13	5	30	<3	0.30	0.1	22	50	1722	2.35	0.11	1.13	160	21	0.01	47	0.06	24	<2	<2	25	<5	<3	30
193	0.1	0.85	3	39	<3	0.36	0.1	18	46	1192	2.53	0.13	0.57	169	13	0.01	25	0.06	20	<2	<2	38	<5	<3	16
194	0.1	1.01	5	38	<3	0.20	0.1	14	42	949	2.12	0.09	0.89	294	24	0.01	22	0.06	19	<2	<2	28	<5	<3	23
195	0.2	1.08	5	34	<3	0.20	0.1	18	47	1419	2.62	0.11	0.87	699	16	0.01	42	0.05	23	<2	<2	26	<5	<3	39
196	0.3	1.02	<3	49	<3	0.23	0.1	16	61	786	2.11	0.10	0.72	750	33	0.01	20	0.06	20	<2	<2	30	<5	<3	31
197	0.1	1.31	3	45	<3	0.41	0.1	15	53	1445	2.39	0.13	0.98	793	12	0.01	40	0.07	25	<2	<2	36	<5	<3	47
198	0.2	1.44	<3	37	<3	0.38	0.1	16	59	1569	2.47	0.13	1.16	799	19	0.01	27	0.05	25	<2	<2	35	<5	<3	61
199	0.3	0.76	<3	32	<3	0.79	0.1	5	46	1549	0.91	0.14	0.47	306	115	0.02	34	0.04	32	<2	<2	24	<5	<3	65
200	0.5	1.21	3	74	<3	0.52	0.1	12	70	2510	1.83	0.13	0.97	564	14	0.01	31	0.06	25	<2	<2	31	<5	<3	56
201	0.4	1.34	6	55	<3	0.35	0.1	15	48	2080	2.25	0.12	1.11	747	23	0.01	39	0.05	24	<2	<2	38	<5	<3	52
202	0.7	1.16	<3	108	<3	0.55	0.1	12	63	2242	1.66	0.13	0.88	472	19	0.01	37	0.06	24	<2	<2	36	<5	<3	48
203	1.1	0.84	<3	105	<3	0.59	0.7	9	46	2965	1.17	0.12	0.63	258	23	0.01	42	0.05	22	<2	<2	24	<5	<3	38
204	1.3	1.07	<3	89	<3	0.53	1.3	11	56	3524	1.47	0.12	0.92	310	18	0.01	35	0.05	24	<2	<2	25	<5	<3	45
205	1.2	1.25	8	46	<3	0.40	0.6	19	51	3761	1.90	0.12	1.14	410	25	0.01	51	0.04	41	<2	7	27	<5	<3	57
206	0.4	1.23	<3	53	<3	0.28	1.1	19	46	2349	2.22	0.11	1.04	521	17	0.01	43	0.04	24	<2	<2	26	<5	<3	51
207	0.2	0.98	4	45	<3	0.25	0.7	17	53	840	2.19	0.10	0.80	366	15	0.01	24	0.05	23	<2	<2	21	<5	<3	36
208	0.2	1.38	<3	75	<3	0.56	0.1	10	45	1250	1.86	0.14	1.20	417	28	0.01	32	0.04	31	<2	<2	29	<5	<3	56
209	0.8	1.38	<3	70	<3	0.64	0.6	14	62	2727	1.94	0.15	1.07	330	43	0.01	33	0.06	37	<2	<2	34	<5	<3	43
210	0.1	1.65	3	34	<3	0.58	0.6	11	45	1389	2.24	0.15	1.52	596	39	0.01	34	0.06	26	<2	<2	30	<5	<3	59
211	0.5	1.56	<3	47	<3	0.59	0.6	10	69	2401	1.80	0.14	1.37	491	38	0.01	29	0.05	27	<2	<2	27	<5	<3	57
212	0.1	1.38	<3	25	<3	0.38	0.7	13	32	543	2.36	0.13	1.34	499	25	0.01	22	0.05	25	<2	<2	18	<5	<3	57
213	0.1	0.96	<3	39	<3	0.44	0.1	13	50	523	1.81	0.12	0.83	199	27	0.02	19	0.06	21	<2	<2	16	<5	<3	24
214	0.2	1.04	<3	28	<3	0.83	0.3	6	30	460	1.09	0.15	0.76	220	7	0.02	25	0.08	21	<2	<2	23	<5	<3	37
215	0.2	0.49	<3	16	<3	0.80	0.1	9	53	90	0.51	0.13	0.11	103	10	0.02	9	0.02	14	<2	<2	24	<5	<3	12
216	0.1	0.34	<3	14	<3	0.69	0.1	7	31	85	0.43	0.11	0.08	87	5	0.04	7	0.02	13	<2	<2	22	<5	<3	8
217	0.2	1.14	<3	21	<3	0.85	0.1	7	60	1008	1.02	0.16	0.82	203	8	0.02	26	0.04	22	<2	<2	29	<5	<3	28
218	0.1	1.21	<3	28	<3	0.73	1.5	7	41	1153	1.21	0.14	1.05	241	14	0.01	28	0.05	21	<2	<2	28	<5	<3	33
219	0.1	1.26	4	42	<3	0.51	1.2	12	64	1242	1.66	0.12	1.05	218	12	0.02	22	0.05	23	<2	<2	24	<5	<3	29
220	0.2	1.30	5	22	<3	0.19	0.7	15	28	564	2.48	0.10	1.41	293	8	0.01	25	0.06	24	<2	<2	13	<5	<3	34
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	[illegible]	[illegible]	10.00	[illegible]	10.00	[illegible]	[illegible]	1000	[illegible]	[illegible]	1000	[illegible]

[illegible]

REPORT #: 890544 PA   ALPINE EXPL   Proj: TASEKO   Date In: 89/09/01   Date Out:89/09/15   Att: B OSBORNE

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
221	0.1	0.88	<3	26	<3	0.38	0.5	12	50	499	1.66	0.10	0.66	226	20	0.02	18	0.05	17	<2	<2	17	<5	<3	29
222	0.5	0.97	<3	16	<3	1.01	0.1	8	42	271	0.91	0.18	0.73	205	8	0.01	26	0.07	17	<2	<2	25	<5	<3	30
223	0.2	1.20	<3	25	<3	0.93	0.3	8	65	1357	1.22	0.17	1.02	228	17	0.01	32	0.06	18	<2	<2	22	<5	<3	37
224	0.1	0.10	30	30	<3	0.11	0.1	8	101	1353	1.08	0.05	0.05	105	5	0.01	17	0.01	12	<2	<2	4	<5	<3	16
225	0.2	0.07	<3	31	<3	0.04	0.1	5	228	693	0.80	0.03	0.02	91	9	0.01	13	0.01	11	<2	<2	3	<5	<3	13
226	0.1	0.07	<3	21	<3	0.15	0.1	4	113	581	0.78	0.04	0.02	121	3	0.01	11	0.01	9	<2	<2	4	<5	<3	15
227	0.1	0.11	<3	22	<3	0.40	0.1	5	221	555	0.70	0.08	0.02	120	8	0.03	10	0.10	13	<2	<2	9	<5	<3	16
228	0.1	0.10	<3	15	<3	0.28	0.4	11	119	1700	1.99	0.10	0.06	140	5	0.01	24	0.01	14	<2	2	6	<5	<3	27
229	0.2	0.11	<3	24	<3	0.59	0.1	6	182	474	0.73	0.11	0.02	124	8	0.01	10	0.01	11	<2	<2	10	<5	<3	12
230	0.1	0.11	5	8	<3	0.37	0.5	8	119	515	0.75	0.07	0.01	99	6	0.02	10	0.02	10	<2	<2	5	<5	<3	10
231	0.3	0.07	6	8	<3	0.46	0.1	9	188	3164	0.87	0.09	0.01	94	13	0.02	13	0.04	10	<2	<2	6	<5	<3	9
232	0.1	0.05	<3	6	<3	0.35	0.1	6	97	1771	0.59	0.07	0.02	81	6	0.02	11	0.02	8	<2	<2	5	<5	<3	7
233	0.5	0.04	4	5	<3	0.32	0.1	6	170	5666	0.80	0.07	0.01	72	8	0.01	15	0.01	7	<2	<2	4	<5	<3	7
234	0.9	0.04	16	4	<3	0.32	0.5	6	84	7923	0.98	0.07	0.01	71	6	0.02	16	0.01	9	<2	<2	5	<5	<3	11
235	0.1	0.06	4	6	<3	0.43	0.1	7	286	1290	0.73	0.08	0.01	103	12	0.02	12	0.02	10	<2	<2	7	<5	<3	11
236	0.1	0.06	<3	6	<3	0.42	0.5	5	103	782	0.62	0.08	0.01	108	5	0.02	10	0.01	9	<2	<2	6	<5	<3	9
237	0.3	0.07	<3	20	<3	0.46	0.1	9	243	1005	0.73	0.09	0.01	86	13	0.11	13	0.01	15	<2	<2	8	<5	<3	9
238	0.1	0.31	31	47	<3	0.67	0.5	11	74	684	0.50	0.11	0.01	76	8	0.08	18	0.03	25	<2	<2	33	<5	<3	30
239	0.2	0.44	4	70	<3	0.74	0.1	19	69	980	0.50	0.12	0.03	101	7	0.06	28	0.08	25	<2	<2	49	<5	<3	45
240	0.2	0.35	9	31	<3	0.67	0.2	8	32	831	0.34	0.11	0.02	72	12	0.04	15	0.11	34	<2	<2	47	<5	<3	63
241	0.1	0.55	<3	300	<3	0.93	0.5	5	139	253	0.75	0.16	0.27	144	8	0.04	23	0.03	18	<2	<2	56	<5	<3	24
242	0.5	0.69	30	40	<3	0.20	0.6	22	41	1559	2.78	0.11	0.08	61	24	0.02	27	0.07	25	<2	<2	45	<5	<3	36
243	0.3	0.80	49	32	<3	0.12	0.4	21	82	757	3.60	0.12	0.10	46	12	0.01	23	0.07	19	<2	<2	46	<5	<3	14
244	0.2	1.10	5	41	<3	0.17	0.7	17	32	233	3.18	0.12	0.58	119	5	0.01	22	0.07	21	<2	<2	45	<5	<3	31
245	0.1	0.52	<3	26	<3	0.74	0.4	14	97	637	1.07	0.14	0.05	99	7	0.03	14	0.10	12	<2	<2	42	<5	<3	8
246	0.1	1.13	9	27	<3	0.13	0.7	14	25	123	3.19	0.11	0.94	292	4	0.01	20	0.06	18	<2	<2	24	<5	<3	49
247	0.2	0.86	6	33	<3	0.35	0.5	14	76	535	2.39	0.12	0.63	174	26	0.02	22	0.06	18	<2	<2	40	<5	<3	37
248	0.2	0.76	<3	35	<3	0.63	0.6	18	45	998	2.17	0.16	0.47	133	9	0.02	25	0.07	17	<2	<2	55	<5	<3	30
249	0.9	0.84	<3	37	<3	0.74	0.6	19	107	3646	1.94	0.17	0.57	160	241	0.02	33	0.07	19	<2	<2	68	<5	<3	30
250	0.4	0.81	<3	24	<3	0.84	0.6	34	46	3351	2.07	0.19	0.60	104	198	0.01	28	0.06	17	<2	<2	49	<5	<3	32
251	0.1	0.94	<3	32	<3	1.06	0.4	17	113	656	2.04	0.22	0.58	136	23	0.02	20	0.08	15	<2	<2	91	<5	<3	25
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum ANOMALOUS RESULTS = Further Analyses by Alternate Methods Suggested

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890530 PA   ALPINE EXPLORATION   Proj: TASEKO   Date In: 89/08/31   Date Out:89/09/05   Att: B OSBORNE   Page 1 of 1

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
252	0.3	0.64	16	36	<3	0.65	0.4	15	148	284	3.44	1.08	0.09	144	9	0.02	33	0.05	27	<2	<2	76	<5	<3	65
253	0.2	0.40	<3	38	<3	0.99	0.1	9	64	480	0.91	0.18	0.03	123	20	0.02	11	0.08	12	<2	<2	84	<5	<3	9
254	0.1	0.55	6	28	<3	1.97	0.1	16	121	752	3.22	0.41	0.05	68	11	0.02	22	0.06	15	<2	<2	259	<5	<3	15
255	0.2	0.62	<3	36	<3	1.19	0.1	14	65	571	2.32	0.25	0.10	84	9	0.02	22	0.09	14	<2	<2	143	<5	<3	29
256	0.1	0.78	7	31	<3	0.80	0.1	20	130	407	2.77	0.20	0.34	150	17	0.01	28	0.08	15	<2	<2	80	<5	<3	53
257	0.2	0.61	3	32	<3	1.04	0.1	17	46	759	2.64	0.24	0.12	75	15	0.01	22	0.06	15	<2	<2	138	<5	<3	21
258	0.1	0.73	<3	33	<3	1.13	0.1	23	109	379	3.70	0.29	0.12	88	12	0.01	31	0.06	17	<2	<2	195	<5	<3	25
259	0.1	1.46	9	31	<3	1.56	0.1	15	48	115	3.21	0.34	1.07	531	5	0.01	22	0.05	16	<2	<2	139	<5	<3	32
260	0.1	1.08	<3	24	<3	1.46	0.1	17	112	284	2.59	0.30	0.85	233	42	0.01	25	0.06	15	<2	<2	160	<5	<3	35
261	0.1	0.54	9	44	<3	0.63	0.1	28	58	422	2.81	0.19	0.08	43	6	0.01	28	0.07	13	<2	<2	235	<5	<3	6
262	0.3	0.34	4	105	<3	0.59	0.1	11	94	612	1.07	0.12	0.01	142	5	0.01	15	0.10	17	<2	<2	36	<5	<3	20
263	0.2	0.45	<3	47	<3	0.58	0.1	4	45	466	0.28	0.09	0.01	116	21	0.01	4	0.15	15	<2	<2	32	<5	<3	19
264	1.1	0.46	45	53	<3	0.42	0.3	71	122	1515	3.73	0.17	0.02	168	10	0.01	71	0.19	50	<2	<2	32	<5	<3	166
265	0.4	0.46	75	61	<3	0.38	0.1	60	63	671	3.48	0.16	0.02	168	5	0.01	42	0.11	71	<2	10	24	<5	<3	38
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

REPORT #: 890512 PA   ALPINE EXPLORATION   Proj: TASEKO   Date In: 89/08/28   Date Out:89/09/05   Att: B OSBORNE   Page 2 of 2

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
180	1.5	0.56	11	63	<3	0.08	1.2	38	80	4307	2.48	0.01	0.03	66	14	0.01	69	0.03	18	<2	<2	21	<5	<3	72
181	0.1	0.68	7	46	<3	0.07	0.1	28	66	269	2.64	0.01	0.01	90	2	0.02	41	0.04	19	<2	<2	16	<5	<3	22
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

VANGEOCHEM LAB LIMITED
1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890563 PA   ALPINE EXPL   Proj: TASEKO   Date In: 89/09/07   Date Out:89/09/11   Att: B OSBORNE

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
266	4.7	0.37	33	70	<3	0.79	1.2	34	28	9264	2.70	0.20	0.02	178	5	0.01	70	0.13	22	<2	2	37	<5	<3	46
267	2.2	0.49	7	85	<3	1.27	0.1	9	26	4060	1.29	0.23	0.06	256	1	0.01	65	0.21	17	<2	<2	35	<5	<3	30
268	0.2	0.32	<3	114	<3	1.36	0.1	6	32	844	0.76	0.23	0.02	239	<1	0.02	22	0.17	11	<2	<2	36	<5	<3	14
269	0.5	0.61	12	38	<3	0.90	0.6	17	59	938	4.68	0.27	0.06	233	2	0.02	70	0.13	18	<2	2	45	<5	<3	14
270	0.2	0.95	<3	36	<3	0.86	0.1	6	40	790	1.20	0.17	0.03	204	2	0.02	18	0.13	14	<2	<2	71	<5	<3	8
271	0.9	0.72	33	91	7	0.58	4.1	32	230	324	>10.00	0.55	0.23	653	8	0.02	136	0.11	41	<2	7	32	<5	<3	49
272	0.3	0.54	34	8	<3	0.46	1.8	12	119	710	8.84	1.17	0.12	388	4	0.01	80	0.04	37	<2	4	9	<5	<3	53
273	0.6	0.55	32	11	<3	0.57	2.1	11	112	582	9.54	0.36	0.13	342	5	0.01	98	0.03	35	<2	4	10	<5	<3	42
274	0.8	0.58	31	8	4	0.59	2.5	15	173	901	>10.00	0.39	0.17	461	4	0.01	96	0.06	39	<2	5	10	<5	<3	57
275	0.2	0.49	<3	67	<3	0.78	0.1	4	14	860	0.44	0.98	0.01	77	224	0.03	10	0.24	15	<2	<2	31	<5	<3	29
276	0.8	0.62	<3	78	<3	1.11	0.1	13	26	1977	0.53	0.18	0.01	113	69	0.04	29	0.24	15	<2	<2	46	<5	<3	9
277	0.2	0.77	13	41	<3	0.13	0.6	40	34	450	4.40	0.14	0.01	58	42	0.02	85	0.02	22	<2	2	36	<5	<3	11
278	0.3	0.56	15	35	<3	0.16	0.7	73	47	489	4.86	0.16	0.01	54	5	0.02	89	0.04	22	<2	2	27	<5	<3	7
279	0.9	0.48	15	58	<3	0.91	0.4	69	23	1565	3.32	1.08	0.01	143	37	0.02	95	0.12	18	<2	2	45	<5	<3	3
280	1.2	0.47	14	90	<3	0.59	0.2	77	21	2395	3.80	0.20	0.01	99	54	0.01	74	0.13	22	<2	2	39	<5	<3	8
281	0.8	0.50	19	34	<3	0.72	0.6	74	18	990	3.33	0.20	0.01	140	18	0.01	84	0.21	36	<2	<2	44	<5	<3	26
282	0.2	0.35	14	30	<3	0.50	0.4	47	41	411	3.79	0.18	0.01	118	4	0.01	49	0.16	22	<2	2	31	<5	<3	11
283	0.5	0.44	<3	229	<3	0.90	0.1	23	16	1137	0.89	0.16	0.01	148	16	0.02	25	0.24	23	<2	<2	48	<5	<3	25
284	1.2	0.40	5	111	<3	0.79	0.1	35	27	2514	1.35	0.17	0.01	180	35	0.04	48	0.12	26	<2	<2	163	<5	<3	28
285	0.6	0.49	5	77	<3	0.70	0.1	33	21	1348	1.48	0.16	0.01	169	20	0.02	50	0.15	23	<2	<2	225	<5	<3	22
286	0.8	0.40	6	122	<3	0.57	0.1	38	14	939	1.34	0.13	0.01	108	20	0.01	51	0.07	31	<2	<2	99	<5	<3	53
287	0.1	0.34	14	58	<3	0.14	0.1	25	33	227	2.19	0.08	0.01	32	2	0.01	36	0.03	18	<2	<2	33	<5	<3	13
288	0.6	0.43	29	76	<3	0.68	0.2	42	10	800	1.85	0.16	0.01	88	29	0.01	35	0.07	24	<2	<2	76	<5	<3	54
289	0.2	0.55	<3	66	<3	0.66	0.1	27	12	747	0.62	0.12	0.01	94	18	0.02	11	0.09	18	<2	<2	72	<5	<3	29
290	0.8	0.35	22	24	<3	0.16	0.2	40	20	1247	3.24	0.12	0.01	43	10	0.01	43	0.02	18	<2	2	24	<5	<3	12
291	0.5	0.39	19	10	<3	0.04	0.2	27	32	1263	2.94	0.09	0.01	36	9	0.01	33	0.01	17	<2	<2	19	<5	<3	18
292	0.2	0.38	34	11	<3	0.05	0.8	30	23	650	4.17	0.13	0.01	47	6	0.01	49	0.01	22	<2	2	20	<5	<3	18
293	0.3	0.36	65	12	<3	0.03	0.4	55	27	1061	3.98	0.12	0.01	33	3	0.01	73	0.01	19	<2	2	18	<5	<3	13
294	1.7	0.66	36	40	<3	0.11	1.6	113	57	3429	7.44	1.08	0.03	136	21	0.01	109	0.08	35	<2	3	60	<5	<3	32
295	0.2	0.38	20	49	<3	0.07	0.2	32	32	142	2.51	0.09	0.01	30	2	0.01	35	0.05	17	<2	2	85	<5	<3	9
296	0.3	0.36	30	26	<3	0.04	1.1	64	35	197	4.07	0.12	0.01	32	3	0.01	64	0.02	19	<2	2	41	<5	<3	9
297	0.5	0.41	132	17	<3	0.05	0.8	47	37	424	3.41	0.11	0.02	57	10	0.01	68	0.03	20	<2	2	37	<5	<3	23
298	0.2	0.40	1488	28	<3	0.06	5.5	62	56	192	4.03	0.13	0.01	39	4	0.01	68	0.04	20	<2	2	83	<5	<3	11
299	0.1	0.11	182	20	<3	0.01	0.1	6	76	101	0.52	0.01	0.01	21	6	0.01	8	0.01	10	<2	<2	19	<5	<3	5
300	0.3	0.08	14	36	<3	0.01	0.1	2	73	71	0.32	0.01	0.01	23	3	0.01	36	0.01	9	<2	<2	8	<5	<3	5
301	0.2	0.07	<3	697	<3	0.01	0.1	2	79	78	0.30	0.01	0.01	32	2	0.01	5	0.01	9	<2	<2	34	<5	<3	5
302	0.2	0.15	8	40	<3	0.01	0.1	3	92	79	0.37	0.01	0.01	20	1	0.01	4	0.01	11	<2	<2	22	<5	<3	4
303	0.2	0.16	11	68	<3	0.10	0.1	4	126	108	0.54	0.03	0.02	96	1	0.01	7	0.01	12	<2	<2	29	<5	<3	9
304	0.2	0.09	14	20	<3	0.02	0.1	2	74	322	0.28	0.01	0.01	32	3	0.01	35	0.01	11	<2	<2	10	<5	<3	5
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

[illegible] > = Greater than [illegible]

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
305	1.2	1.08	20	40	<3	0.22	1.5	33	46	1993	5.89	0.21	0.02	79	30	0.01	72	0.02	26	<2	2	96	<5	<3	18
306	0.2	2.08	16	34	3	1.28	2.5	35	56	1397	>10.00	0.52	0.02	214	17	0.02	99	0.04	34	<2	3	376	<5	<3	20
307	0.8	1.07	21	41	<3	0.39	2.1	40	47	2722	8.95	0.32	0.04	168	19	0.02	94	0.03	28	<2	3	89	<5	<3	24
308	0.7	1.32	28	37	<3	0.66	1.6	56	45	1860	7.20	0.31	0.10	223	21	0.02	92	0.03	28	<2	2	100	<5	<3	24
309	0.2	0.91	13	36	<3	1.42	0.4	25	46	878	4.44	0.35	0.02	269	40	0.02	37	0.03	17	<2	<2	103	<5	<3	11
310	0.7	1.00	12	38	<3	1.01	1.1	42	46	1988	5.72	0.32	0.02	223	14	0.02	61	0.05	21	<2	2	95	<5	<3	16
311	2.9	1.61	30	25	<3	0.23	2.2	99	36	8342	9.44	0.31	0.02	81	9	0.01	208	0.03	33	<2	3	57	<5	<3	35
312	0.3	0.76	5	34	<3	1.06	0.3	13	25	1083	3.00	1.09	0.01	143	179	0.02	42	0.11	15	<2	<2	71	<5	<3	8
313	0.2	0.92	4	39	<3	0.99	0.1	12	36	886	2.64	0.23	0.01	123	51	0.03	26	0.08	13	<2	<2	92	<5	<3	5
314	0.2	1.16	<3	39	<3	1.52	0.1	8	31	571	2.46	0.31	0.01	164	141	0.04	19	0.09	15	<2	<2	124	<5	<3	4
315	0.5	1.00	16	43	<3	1.53	0.9	87	33	1244	4.74	0.38	0.01	205	13	0.03	94	0.09	21	<2	<2	204	<5	<3	8
316	0.5	0.66	8	46	<3	1.82	0.1	69	21	1807	2.94	0.37	0.01	166	60	0.02	60	0.17	14	<2	<2	201	<5	<3	14
317	0.8	0.87	4	56	<3	1.57	0.1	28	26	1972	1.89	0.30	0.01	200	6	0.03	30	0.18	13	<2	<2	100	<5	<3	6
318	1.3	1.30	18	39	<3	1.82	0.8	50	34	2165	4.53	0.41	0.03	282	15	0.03	72	0.17	25	<2	<2	117	<5	<3	24
319	2.3	0.97	28	66	<3	0.51	1.2	46	44	5390	3.33	0.17	0.02	109	8	0.06	42	0.07	24	<2	2	70	<5	<3	125
320	2.7	0.71	19	55	<3	0.96	0.1	44	28	4852	2.30	1.05	0.01	155	8	0.05	48	0.19	18	<2	<2	56	<5	<3	28
321	0.7	0.59	3	70	<3	1.06	0.1	12	24	1955	1.49	0.21	0.01	165	40	0.03	27	0.18	11	<2	<2	59	<5	<3	4
322	0.8	0.62	<3	71	<3	0.80	0.1	20	38	1917	1.23	0.16	0.01	138	33	0.03	26	0.07	9	<2	<2	66	<5	<3	4
323	1.5	0.47	<3	60	<3	1.24	0.1	34	29	2912	1.17	0.22	0.01	175	59	0.03	57	0.11	11	<2	<2	84	<5	<3	9
324	1.2	0.81	<3	56	<3	1.46	0.1	20	25	2271	1.37	0.26	0.01	199	9	0.03	45	0.08	12	<2	<2	88	<5	<3	7
325	0.8	0.92	3	59	<3	1.33	0.1	18	27	2147	1.48	0.25	0.02	179	6	0.04	52	0.08	13	<2	<2	105	<5	<3	10
326	0.7	0.51	<3	54	<3	1.05	0.1	11	38	1812	0.51	0.18	0.01	138	6	0.03	21	0.14	10	<2	<2	62	<5	<3	7
327	0.7	0.43	<3	54	<3	0.99	0.1	9	35	1606	0.52	0.16	0.01	140	36	0.02	28	0.18	9	<2	<2	42	<5	<3	5
328	0.7	0.57	16	48	<3	0.96	0.1	25	64	1817	0.85	0.17	0.01	128	28	0.02	52	0.18	13	<2	<2	56	<5	<3	22
329	1.2	0.56	<3	63	<3	1.10	0.1	16	37	2561	0.71	0.19	0.01	130	12	0.03	40	0.08	8	<2	<2	95	<5	<3	8
330	0.8	0.71	6	60	<3	0.98	0.1	20	32	2015	1.54	0.19	0.01	172	23	0.05	53	0.07	15	<2	<2	62	<5	<3	14
331	1.2	0.75	11	59	<3	0.71	0.4	37	24	2820	2.47	0.18	0.01	148	11	0.04	147	0.04	15	<2	<2	57	<5	<3	13
332	0.8	1.30	7	54	<3	0.79	0.1	22	24	1531	1.33	0.16	0.01	139	3	0.03	47	0.07	18	<2	<2	118	<5	<3	27
333	0.7	0.85	14	99	<3	0.79	0.1	19	25	1315	0.85	0.15	0.01	140	5	0.03	32	0.15	34	<2	<2	140	<5	<3	90
334	3.0	0.58	5	67	<3	1.35	0.1	20	36	3137	1.83	0.26	0.01	252	22	0.10	40	0.16	18	<2	2	73	60	<3	52
335	1.2	0.54	6	61	<3	0.85	0.1	12	32	1280	0.59	0.15	0.01	161	3	0.03	29	0.15	16	<2	<2	56	<5	<3	28
336	0.7	0.33	4	64	<3	0.86	0.1	14	31	1229	0.63	0.15	0.01	193	13	0.01	18	0.09	9	<2	<2	30	<5	<3	8
337	2.0	0.32	7	75	<3	0.79	0.1	23	59	6017	1.45	0.16	0.01	177	84	0.01	29	0.10	10	<2	<2	38	<5	<3	4
338	1.3	0.55	11	74	<3	0.76	0.1	25	19	3315	2.02	0.17	0.01	155	10	0.01	48	0.09	11	<2	<2	41	<5	<3	9
339	1.5	0.54	4	89	<3	0.83	0.1	27	23	3297	1.73	0.18	0.01	156	15	0.01	52	0.14	12	<2	<2	94	<5	<3	9
340	1.6	0.43	8	47	<3	0.65	0.4	23	29	3217	2.77	0.19	0.01	142	28	0.01	47	0.05	12	<2	<2	219	<5	<3	8
341	1.6	0.61	15	27	<3	0.77	0.8	26	37	1910	4.20	0.24	0.01	159	25	0.02	53	0.13	20	<2	2	107	<5	<3	9
342	2.0	0.71	18	45	<3	0.79	0.6	46	21	4108	4.33	0.28	0.01	238	11	0.02	81	0.03	20	<2	2	534	<5	<3	22
343	1.9	0.71	14	67	<3	0.85	0.5	18	31	3138	3.83	0.24	0.01	267	33	0.01	54	0.03	15	<2	2	45	<5	<3	16
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum ANOMALOUS RESULTS = Further Analyses by Alternate Methods Suggested

REPORT #: 890563 PA | ALPINE EXPL | Proj: TASEKO | Date In: 89/09/07 | Date Out:89/09/11 | Att: B OSBORNE

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
344	3.6	1.08	12	28	<3	0.91	1.8	58	22	6121	4.54	0.42	0.02	228	14	0.03	93	0.05	20	<2	<2	2039	<5	<3	46
345	8.8	0.92	35	39	<3	0.81	2.7	161	33	>20000	6.27	0.31	0.02	317	10	0.01	369	0.05	34	<2	3	101	<5	<3	203
346	4.0	0.98	24	120	3	0.98	3.1	98	68	7526	>10.00	0.44	0.04	312	17	0.01	139	0.07	37	<2	3	93	<5	<3	121
347	1.1	0.64	11	109	<3	0.89	0.5	68	19	1802	3.39	0.24	0.02	170	9	0.01	59	0.07	32	<2	<2	132	<5	<3	59
348	1.3	0.77	12	129	<3	0.38	0.3	76	22	2635	2.86	0.14	0.01	102	7	0.01	56	0.06	27	<2	<2	76	<5	<3	55
349	2.4	0.91	16	118	<3	0.25	1.6	60	32	4722	4.17	0.16	0.01	170	44	0.01	69	0.06	25	<2	<2	42	<5	<3	271
350	0.3	0.85	6	62	<3	0.14	0.1	29	16	1149	1.81	0.07	0.01	53	5	0.01	46	0.05	21	<2	<2	37	<5	<3	29
351	0.3	0.55	<3	253	<3	0.32	0.1	8	19	549	0.45	0.06	0.01	52	5	0.01	11	0.11	31	<2	<2	52	<5	<3	73
352	0.1	0.63	<3	357	<3	0.18	0.1	5	17	366	0.82	0.05	0.01	70	3	0.01	18	0.09	19	<2	<2	44	<5	<3	26
353	5.5	0.58	32	43	<3	0.25	2.1	142	17	16282	5.93	0.21	0.02	96	21	0.01	291	0.09	22	<2	3	34	<5	<3	138
354	0.7	0.45	3	182	<3	0.35	0.1	17	20	1547	0.75	0.07	0.01	62	5	0.01	26	0.12	24	<2	<2	44	<5	<3	57
355	0.2	0.40	15	166	<3	0.25	0.1	21	22	457	1.14	0.07	0.01	77	5	0.01	25	0.09	22	<2	<2	52	<5	<3	33
356	0.1	0.10	<3	450	<3	0.12	0.1	4	74	378	0.26	0.02	0.01	32	2	0.01	3	0.02	9	<2	<2	23	<5	<3	5
357	0.2	0.19	<3	572	<3	0.05	0.1	2	49	425	0.20	0.01	0.01	19	2	0.01	20	0.01	10	<2	<2	25	<5	<3	3
358	0.6	0.35	5	245	<3	0.47	0.1	5	54	547	0.30	0.08	0.01	71	10	0.01	3	0.06	12	<2	<2	42	<5	<3	6
359	0.2	0.37	12	275	<3	0.39	0.1	5	40	539	0.29	0.07	0.01	74	3	0.01	6	0.08	27	<2	<2	48	<5	<3	55
360	0.2	0.16	11	469	<3	0.04	0.1	4	88	647	0.47	0.02	0.01	44	5	0.01	7	0.01	9	<2	<2	37	<5	<3	6
361	0.1	0.07	33	759	<3	0.05	0.1	3	83	1013	0.57	0.02	0.03	80	7	0.01	39	0.01	9	<2	<2	31	<5	<3	6
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum ANOMALOUS RESULTS = Further Analyses by Alternate Methods Suggested

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890574 PA | ALPINE EXPL | Proj: TASEKO | Date In: 89/09/08 | Date Out:89/09/11 | Att: B OSBORNE

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
362	0.1	1.10	26	40	<3	0.42	0.5	31	41	283	4.10	0.19	0.12	77	13	0.02	48	0.17	22	<2	<2	124	<5	<3	10
363	0.2	1.28	41	33	<3	0.45	0.6	90	42	694	5.85	0.25	0.13	115	10	0.02	72	0.19	25	<2	2	137	<5	<3	10
364	0.2	0.83	16	83	<3	0.36	0.1	33	45	465	3.82	0.18	0.04	46	11	0.02	46	0.16	18	<2	<2	166	<5	<3	6
365	0.3	0.95	16	45	<3	0.32	0.9	23	36	406	5.90	0.23	0.06	81	13	0.02	35	0.11	24	<2	2	219	<5	<3	11
366	0.1	0.65	11	96	<3	0.19	0.1	16	31	89	3.31	0.13	0.04	66	6	0.01	40	0.09	21	<2	<2	105	<5	<3	10
367	0.1	0.59	<3	440	<3	0.37	0.1	4	18	30	1.30	0.14	0.03	53	3	0.01	12	0.17	14	<2	<2	719	<5	<3	5
368	0.2	1.09	15	125	3	0.34	1.1	15	30	142	7.49	0.28	0.08	119	18	0.02	33	0.18	27	<2	2	172	<5	<3	14
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum ANOMALOUS RESULTS = Further Analyses by Alternate Methods Suggested

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST: JC Wong

REPORT #: 890581 PA   ALPINE EXPL   Proj: TASEKO   Date In: 89/09/11   Date Out:89/09/20   Att: B OSBORNE

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
369	0.1	1.22	15	34	<3	0.30	0.7	28	51	308	7.32	0.04	0.10	141	14	0.02	52	0.20	28	<2	3	193	<5	<3	41
370	0.1	1.16	25	13	3	0.14	0.8	40	69	784	8.68	0.15	0.04	171	11	0.02	80	0.08	31	<2	3	70	<5	<3	24
371	0.9	1.06	46	29	4	0.44	0.1	75	53	4222	8.83	0.16	0.12	281	86	0.02	96	0.21	35	<2	3	100	<5	<3	37
372	0.1	0.38	<3	206	<3	0.88	0.1	17	46	174	1.04	0.02	0.01	117	9	0.01	11	0.11	9	<2	<2	87	<5	<3	2
373	0.1	0.39	<3	122	<3	0.98	0.1	16	55	126	1.13	0.02	0.01	149	6	0.01	11	0.09	8	<2	<2	61	<5	<3	2
374	0.1	0.71	<3	290	<3	1.35	0.1	21	28	1239	4.81	0.16	0.03	297	68	0.01	55	0.14	23	<2	<2	156	<5	<3	19
375	0.3	0.48	<3	132	<3	0.73	1.5	21	34	2406	2.61	0.02	0.02	211	83	0.01	29	0.13	22	<2	<2	61	<5	<3	29
376	0.1	0.37	<3	200	<3	0.91	0.1	9	51	531	4.52	0.15	0.01	256	7	0.01	32	0.14	20	<2	2	83	<5	<3	19
377	2.6	0.42	18	72	3	0.92	0.7	90	17	10530	5.84	0.04	0.02	295	43	0.01	71	0.10	34	<2	2	66	<5	<3	59
378	0.4	0.45	13	53	<3	0.83	0.1	31	30	1819	5.34	0.15	0.01	254	10	0.01	42	0.10	23	<2	2	45	<5	<3	18
379	0.1	0.56	<3	57	<3	1.23	0.1	13	28	1058	1.95	0.14	0.08	242	395	0.01	24	0.14	14	<2	<2	123	<5	<3	12
380	0.1	0.54	<3	75	<3	1.78	0.1	4	34	219	0.47	0.15	0.01	221	30	0.02	6	0.15	10	<2	<2	99	<5	<3	4
381	0.1	0.46	<3	60	<3	1.90	0.1	1	24	258	0.19	0.04	0.01	217	36	0.03	9	0.13	10	<2	<2	122	<5	<3	9
382	0.1	0.50	<3	70	<3	1.81	0.2	4	41	388	0.37	0.04	0.01	247	20	0.03	7	0.29	12	<2	<2	86	<5	<3	11
383	0.1	0.52	<3	55	<3	1.42	0.2	4	26	547	0.29	0.14	0.01	209	17	0.02	8	0.15	8	<2	<2	96	<5	<3	7
384	0.7	0.74	<3	64	<3	1.07	0.3	31	41	1792	3.46	0.15	0.03	195	20	0.02	57	0.07	22	<2	2	66	<5	<3	18
385	1.1	0.92	13	34	<3	0.99	0.1	38	29	3901	6.22	0.04	0.03	231	18	0.02	116	0.05	27	<2	2	55	<5	<3	25
386	0.9	0.92	12	49	3	1.12	0.7	57	39	2458	8.05	0.06	0.04	266	40	0.02	95	0.20	30	<2	3	60	<5	<3	26
387	2.4	1.18	91	24	7	0.30	1.7	277	49	5747	>10.00	0.07	0.05	156	14	0.02	310	0.04	48	<2	5	51	<5	<3	49
388	0.3	0.75	18	62	3	1.37	2.2	33	45	985	8.68	0.17	0.03	351	76	0.03	48	0.18	30	<2	3	60	<5	<3	28
389	1.4	0.80	70	75	<3	1.04	0.9	101	30	3870	4.45	0.04	0.02	221	16	0.02	186	0.32	23	<2	2	49	<5	<3	25
390	1.4	0.88	45	54	<3	1.50	0.2	132	46	4105	6.51	0.17	0.03	347	23	0.02	239	0.22	25	<2	2	51	<5	<3	41
391	2.4	0.92	11	95	<3	1.55	2.1	51	35	6711	3.83	0.16	0.04	397	418	0.01	126	0.26	29	<2	2	57	<5	<3	161
392	0.8	0.80	<3	106	<3	1.53	1.5	31	36	1999	3.59	0.16	0.04	359	29	0.02	63	0.38	20	<2	<2	72	<5	<3	38
393	0.3	0.63	<3	120	<3	1.91	0.3	37	42	1529	1.77	0.16	0.03	485	14	0.02	39	0.31	12	<2	<2	62	<5	<3	20
394	0.3	0.41	<3	106	<3	1.86	0.3	22	32	1031	1.19	0.15	0.01	415	14	0.01	19	0.19	10	<2	<2	62	<5	<3	52
395	0.5	0.46	<3	92	<3	1.29	0.3	26	59	1768	1.37	0.14	0.01	433	7	0.01	25	0.12	12	<2	<2	40	<5	<3	67
396	0.8	0.57	<3	74	<3	1.18	0.2	30	42	1805	1.67	0.03	0.01	406	14	0.01	51	0.07	14	<2	<2	40	<5	<3	31
397	1.3	0.75	11	59	<3	1.11	1.5	41	62	2611	3.74	0.15	0.02	446	10	0.01	68	0.05	19	<2	<2	55	<5	<3	56
398	0.9	0.70	3	97	<3	0.85	2.1	29	53	2067	3.31	0.14	0.02	450	13	0.01	61	0.05	18	<2	<2	45	<5	<3	51
399	0.9	0.63	<3	94	<3	0.80	1.5	20	56	2375	1.68	0.13	0.01	317	11	0.01	45	0.13	16	<2	<2	40	<5	<3	213
400	0.8	0.64	<3	182	<3	0.74	1.1	19	75	2382	2.35	0.13	0.01	334	7	0.01	51	0.08	19	<2	<2	42	<5	<3	80
401	0.5	0.72	33	90	<3	0.56	1.4	54	36	2150	3.00	0.13	0.01	276	9	0.01	88	0.06	28	<2	<2	37	<5	<3	93
402	0.9	0.69	12	85	<3	0.73	0.5	49	43	2801	3.36	0.14	0.01	249	14	0.01	103	0.08	25	<2	<2	42	<5	<3	61
403	0.8	0.69	59	88	<3	0.49	0.9	47	53	2289	4.02	0.14	0.02	222	13	0.01	88	0.10	31	<2	2	35	<5	<3	79
404	0.8	0.71	68	63	<3	0.26	1.2	62	29	1269	4.21	0.02	0.01	193	10	0.01	83	0.08	28	<2	2	29	<5	<3	50
405	0.3	0.36	133	117	<3	0.34	1.5	19	63	552	1.27	0.12	0.01	159	9	0.01	17	0.10	25	<2	<2	33	<5	<3	49
406	0.3	0.12	25	167	<3	0.10	0.7	7	98	1185	0.95	0.11	0.01	123	3	0.01	16	0.03	12	<2	<2	15	<5	<3	14
407	0.1	0.03	48	25	<3	0.01	0.5	4	127	1070	0.59	0.11	0.01	39	3	0.01	10	0.01	9	<2	<2	4	<5	<3	10
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Le   Minim   = Insu   t Sam   = No   > = (than)   ANOM   ESULTS   her An   by All   Metho   ested

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
408	0.5	0.02	61	12	<3	0.01	0.5	5	76	573	0.88	0.02	0.01	68	4	0.01	37	0.01	16	<2	<2	2	<5	<3	52
409	0.4	0.03	7	22	<3	0.04	0.1	5	157	816	0.58	0.02	0.01	56	3	0.01	9	0.01	11	<2	<2	7	<5	<3	13
410	1.5	0.39	27	62	<3	1.16	0.1	26	45	1996	1.21	0.19	0.02	414	24	0.02	34	0.07	27	<2	<2	37	<5	<3	91
411	2.4	0.62	39	97	<3	0.89	0.2	57	58	6277	2.47	0.19	0.02	319	15	0.02	113	0.08	20	<2	<2	38	<5	<3	58
412	1.0	0.42	16	125	<3	0.95	0.2	38	29	3384	1.75	0.17	0.01	304	12	0.02	73	0.13	16	<2	<2	44	<5	<3	25
413	0.5	0.48	<3	93	<3	0.62	0.2	11	68	2204	1.54	0.12	0.02	343	15	0.02	40	0.12	20	<2	<2	37	<5	<3	27
414	0.8	0.61	6	75	<3	0.41	0.1	14	45	3023	4.39	0.16	0.02	149	12	0.02	107	0.06	20	<2	<2	33	<5	<3	19
415	0.4	0.90	9	40	<3	0.31	0.1	39	50	1728	3.73	0.13	0.02	130	13	0.02	71	0.04	21	<2	<2	36	<5	<3	22
416	0.9	0.71	12	63	<3	0.54	0.1	57	49	4280	2.75	0.13	0.03	199	11	0.02	157	0.06	16	<2	<2	37	<5	<3	25
417	0.3	0.44	151	159	<3	0.30	0.2	16	70	2038	1.57	0.07	0.08	205	25	0.01	37	0.06	15	<2	<2	37	<5	<3	30
418	0.4	0.10	11	126	<3	0.09	1.1	7	85	662	0.51	0.02	0.01	67	10	0.01	12	0.03	15	<2	<2	9	<5	<3	16
419	0.1	0.11	<3	55	<3	0.20	0.1	4	127	322	0.51	0.03	0.02	134	8	0.01	11	0.01	11	<2	<2	7	<5	<3	13
420	0.4	0.47	<3	204	<3	0.62	0.1	20	47	954	1.70	0.10	0.05	220	11	0.01	33	0.04	61	<2	<2	37	<5	<3	223
421	0.8	0.44	14	52	<3	0.12	1.3	35	101	1136	2.94	0.07	0.03	140	13	0.01	30	0.02	23	<2	<2	14	<5	<3	34
422	0.8	0.34	11	81	<3	0.20	0.1	13	65	746	1.11	0.04	0.01	72	5	0.01	11	0.04	24	<2	<2	20	<5	<3	57
423	0.9	0.64	27	35	<3	0.27	0.1	25	70	1936	4.63	0.12	0.07	174	110	0.01	49	0.05	24	<2	2	46	<5	<3	26
424	0.4	0.70	16	21	<3	0.08	0.3	42	73	426	5.65	0.12	0.06	66	9	0.02	54	0.06	28	<2	2	32	<5	<3	15
425	0.1	0.82	10	26	<3	0.10	0.1	44	41	594	5.26	0.11	0.09	71	10	0.01	81	0.10	25	<2	2	49	<5	<3	15
426	0.2	0.67	13	33	<3	0.07	0.4	21	55	144	4.09	0.08	0.05	34	5	0.01	42	0.05	24	<2	2	32	<5	<3	12
427	0.4	0.63	32	24	<3	0.25	0.1	31	47	394	5.04	0.11	0.02	30	7	0.01	57	0.02	23	<2	2	25	<5	<3	10
428	0.4	1.14	16	13	3	0.11	0.2	47	39	540	8.08	0.15	0.02	51	5	0.02	73	0.06	39	<2	2	55	<5	<3	17
429	0.8	0.83	39	44	<3	0.27	0.2	25	24	1031	3.04	0.07	0.01	96	6	0.01	42	0.07	35	<2	<2	53	<5	<3	54
430	0.4	0.52	11	30	<3	0.39	0.1	57	36	362	5.11	0.12	0.01	46	5	0.02	73	0.03	23	<2	2	167	<5	<3	11
431	0.2	0.65	5	24	<3	1.47	0.1	35	51	169	4.95	0.21	0.01	59	8	0.02	67	0.03	23	<2	2	694	<5	<3	11
432	0.2	0.52	5	13	<3	2.41	0.1	61	37	86	5.60	0.30	0.01	73	4	0.03	90	0.03	27	<2	2	1086	<5	<3	15
433	0.1	0.48	3	7	<3	2.42	0.2	27	77	64	4.19	0.27	0.01	80	4	0.02	58	0.02	25	<2	2	1167	<5	<3	21
434	0.1	0.43	<3	28	<3	2.99	0.2	24	25	139	2.79	0.62	0.01	41	2	0.03	36	0.04	19	<2	<2	1270	<5	<3	10
435	0.1	0.40	<3	35	<3	3.99	0.2	13	38	416	1.16	0.32	0.01	105	7	0.02	15	0.04	13	<2	<2	1370	<5	<3	11
436	0.9	0.64	5	93	<3	0.90	2.1	43	69	2122	4.69	0.12	0.01	203	16	0.02	44	0.09	44	<2	2	348	<5	<3	80
437	0.1	0.35	<3	22	<3	2.08	2.5	30	37	194	3.97	0.20	0.01	48	5	0.02	71	0.03	21	<2	2	1015	<5	<3	15
438A	0.1	0.59	<3	21	<3	2.88	2.3	48	60	510	4.56	0.52	0.02	96	6	0.02	68	0.02	22	<2	2	1167	<5	<3	20
438B	1.5	0.47	<3	24	<3	3.14	1.8	34	58	6377	3.70	0.50	0.01	81	4	0.02	70	0.03	22	<2	2	1071	<5	<3	19
439	0.5	0.52	<3	27	<3	1.65	2.8	40	38	1061	4.35	0.15	0.02	159	11	0.02	69	0.03	23	<2	2	1037	<5	<3	24
440	1.3	0.44	<3	56	<3	1.09	2.1	19	47	2211	1.99	0.08	0.01	207	15	0.02	33	0.06	19	<2	<2	473	<5	<3	17
441	1.7	0.40	<3	59	<3	0.86	1.8	15	40	3984	1.34	0.05	0.01	182	8	0.01	29	0.07	16	<2	<2	53	<5	<3	18
442	2.0	0.80	14	59	<3	0.67	2.2	73	39	3416	5.66	0.07	0.02	266	32	0.01	85	0.04	26	<2	2	89	<5	<3	35
443	2.2	0.67	16	82	<3	0.75	3.4	43	51	4128	5.66	0.27	0.02	261	21	0.01	79	0.06	27	<2	2	45	<5	<3	36
444	1.9	0.45	<3	68	<3	0.85	1.5	31	64	2042	3.46	0.05	0.02	265	32	0.01	48	0.06	21	<2	2	74	<5	<3	35
445	5.0	0.57	8	33	<3	1.02	2.2	47	65	8497	3.42	0.06	0.03	374	53	0.01	93	0.07	25	<2	2	195	<5	<3	46
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum ANOMALOUS RESULTS = Further Analyses by Alternate Methods Suggested

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890619 PA ALPINE EXPL Proj: TASEKO Date In: 89/09/20 Date Out:89/09/29 Att: B OSBORNE

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
448	2.5	0.58	13	94	<3	0.61	0.3	50	34	4335	3.60	0.20	0.03	255	22	0.01	75	0.06	16	<2	<2	89	<5	<3	75
449	3.0	0.58	27	52	<3	0.33	0.2	79	36	6092	3.66	0.15	0.02	170	6	0.01	116	0.06	21	<2	<2	28	<5	<3	68
450	2.1	0.51	18	211	<3	1.00	0.1	22	42	3637	3.16	0.24	0.06	366	35	0.01	70	0.13	13	<2	<2	60	<5	<3	34
451	0.8	0.33	187	96	<3	0.66	0.1	23	61	2289	1.34	0.14	0.02	108	15	0.01	26	0.13	34	<2	<2	54	<5	<3	96
452	0.9	0.41	375	57	<3	0.46	0.2	49	33	3170	3.10	0.16	0.09	253	13	0.01	73	0.05	18	<2	<2	32	<5	<3	46
453	0.1	0.14	98	124	<3	0.03	0.1	9	123	688	0.84	0.03	0.01	47	8	0.01	14	0.01	19	<2	<2	17	<5	<3	45
454	0.9	0.19	261	104	<3	0.07	0.2	41	65	3290	2.57	0.08	0.07	154	14	0.01	65	0.01	13	<2	<2	26	<5	<3	72
455	0.2	0.31	192	38	<3	0.19	0.2	81	24	661	4.15	0.15	0.07	91	7	0.01	58	0.06	23	<2	<2	37	<5	<3	68
456	0.2	0.08	40	85	<3	0.02	0.2	13	81	1040	1.19	0.03	0.02	54	7	0.01	46	0.01	9	<2	<2	19	<5	<3	21
457	0.2	0.55	204	37	<3	0.17	0.2	80	75	1980	5.04	0.17	0.08	228	12	0.01	84	0.01	23	<2	<2	25	<5	<3	54
458	0.1	0.50	17	89	<3	0.45	0.1	43	32	1576	4.29	0.20	0.08	409	16	0.01	71	0.01	15	<2	<2	140	<5	<3	24
459	0.1	0.48	63	15	3	0.03	0.2	196	47	900	8.33	0.24	0.01	74	9	0.01	232	0.01	21	<2	2	41	<5	<3	13
460	0.1	0.62	35	28	<3	0.06	0.2	104	65	1158	5.69	0.01	0.02	198	5	0.01	132	0.02	17	<2	<2	69	<5	<3	21
461	0.3	0.35	309	72	<3	0.08	0.3	49	58	1946	2.42	0.08	0.02	130	7	0.01	86	0.02	18	<2	<2	40	<5	<3	39
462	0.1	0.31	257	78	<3	0.14	0.2	50	102	1760	2.88	0.12	0.04	140	12	0.01	58	0.01	16	<2	<2	181	<5	<3	24
463	0.1	0.18	68	96	<3	0.08	0.2	18	69	1336	1.21	0.05	0.02	67	11	0.01	55	0.01	9	<2	<2	31	<5	<3	16
464	0.2	0.18	5	137	<3	0.05	0.1	3	76	212	0.36	0.02	0.01	19	1	0.01	7	0.01	6	<2	<2	33	<5	<3	7
465	0.3	0.06	38	234	<3	0.01	0.1	4	83	423	0.46	0.01	0.01	31	8	0.01	42	0.01	13	<2	<2	13	<5	<3	15
466	0.1	0.10	7	901	<3	0.01	0.1	3	113	580	0.35	0.01	0.01	34	1	0.01	7	0.01	6	<2	<2	37	<5	<3	5
467	0.1	0.09	31	522	<3	0.01	0.1	4	92	1044	0.48	0.01	0.01	32	12	0.01	49	0.01	7	<2	<2	23	<5	<3	6
468	0.2	0.05	9	638	<3	0.01	0.2	2	122	693	0.35	0.01	0.01	33	2	0.01	7	0.01	4	<2	<2	20	<5	<3	6
469	0.2	0.31	4	37	<3	0.32	0.1	27	47	500	2.55	0.12	0.01	63	8	0.02	66	0.08	10	<2	<2	48	<5	<3	7
470	0.2	0.98	<3	57	<3	1.16	0.1	1	37	227	0.16	0.19	0.01	119	20	0.08	4	0.13	16	<2	<2	137	<5	<3	17
471	0.1	0.77	<3	197	<3	0.91	0.1	8	41	1164	0.48	0.15	0.01	87	30	0.03	13	0.20	23	<2	<2	52	<5	<3	47
472	0.1	0.75	<3	109	<3	1.04	0.2	2	30	588	0.35	0.17	0.01	101	29	0.09	21	0.31	20	<2	<2	71	<5	<3	41
473	0.1	0.94	<3	84	<3	1.11	0.2	2	25	565	0.19	0.18	0.01	115	19	0.10	5	0.28	26	<2	<2	111	<5	<3	63
474	0.2	1.06	<3	52	<3	1.16	0.1	5	19	629	0.26	0.19	0.01	92	12	0.08	17	0.28	15	<2	<2	87	<5	<3	12
475	0.1	1.15	<3	55	<3	1.08	0.2	7	23	639	0.46	0.01	0.01	91	9	0.08	11	0.27	15	<2	<2	104	<5	<3	8
476	1.7	1.69	<3	66	<3	1.03	0.1	11	27	3437	0.84	0.19	0.01	115	167	0.10	48	0.22	19	<2	<2	160	<5	<3	6
477	0.4	1.75	22	67	<3	0.94	0.2	38	43	3118	1.23	0.18	0.01	106	21	0.09	113	0.18	18	<2	<2	133	<5	<3	18
478	0.1	1.39	<3	54	<3	1.49	0.2	16	35	1430	1.11	0.26	0.01	196	8	0.12	38	0.24	21	<2	<2	112	<5	<3	13
479	0.1	0.80	<3	171	<3	1.24	0.4	1	19	161	0.53	0.20	0.01	78	35	0.08	6	0.30	37	<2	<2	60	<5	<3	80
480	0.8	0.75	<3	109	<3	1.25	0.1	41	16	3063	0.91	0.22	0.01	97	25	0.09	55	0.26	20	<2	<2	99	<5	<3	41
481	0.1	0.71	<3	139	<3	1.46	0.1	6	14	305	0.28	0.23	0.01	72	10	0.08	9	0.36	19	<2	<2	114	<5	<3	23
482	0.1	0.55	<3	64	<3	1.18	0.2	13	15	1302	0.73	0.20	0.01	130	21	0.06	35	0.36	17	<2	<2	52	<5	<3	26
483	1.4	0.68	27	46	<3	0.90	0.2	138	26	2967	3.86	0.25	0.01	191	57	0.02	131	0.15	18	<2	<2	54	<5	<3	33
484	3.6	0.92	12	42	<3	0.67	0.1	107	24	6116	2.88	0.19	0.01	160	21	0.02	198	0.15	16	<2	<2	69	<5	<3	29
485	1.3	0.57	54	45	<3	0.52	0.3	209	29	3156	2.65	0.15	0.01	118	10	0.02	177	0.16	16	<2	<2	39	<5	<3	38
486	0.9	0.57	8	76	<3	0.63	0.2	30	17	1297	0.83	0.12	0.01	93	65	0.03	71	0.15	15	<2	<2	70	<5	<3	19
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	[illegible]	10.00	[illegible]		1000		1000	[illegible]		[illegible]	[illegible]	[illegible]	10.00		10	[illegible]		[illegible]	[illegible]	[illegible]	1000		[illegible]	[illegible]	[illegible]

REPORT #: 890619 PA ALPINE EXPL Proj: TASEKO Date In: 89/09/20 Date Out:89/09/29 Att: B OSBORNE

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
487	1.1	0.63	5	39	<3	0.67	0.2	44	31	2521	1.42	0.14	0.01	138	21	0.03	87	0.13	14	<2	<2	53	<5	<3	30
488	0.6	0.99	20	51	<3	0.52	0.1	57	30	1454	3.59	0.18	0.01	156	13	0.02	134	0.10	22	<2	<2	50	<5	<3	19
489	0.5	0.61	8	133	<3	0.83	0.1	46	35	2118	2.12	0.19	0.01	214	85	0.02	57	0.10	11	<2	<2	54	<5	<3	14
490	0.8	0.34	9	59	<3	0.69	0.1	30	27	2432	1.88	0.16	0.01	122	21	0.05	58	0.04	19	<2	<2	33	<5	<3	34
491	3.1	0.35	15	90	<3	0.72	0.1	61	38	5035	1.51	0.15	0.01	122	15	0.02	63	0.10	23	<2	<2	33	<5	<3	102
492	1.3	0.40	16	69	<3	0.74	0.1	49	23	3042	1.80	0.16	0.01	169	19	0.01	56	0.09	13	<2	<2	47	<5	<3	67
493	1.9	0.37	87	71	<3	0.89	0.1	38	23	3241	1.44	0.18	0.02	224	6	0.05	45	0.13	12	<2	<2	38	<5	<3	23
494	0.4	0.42	205	124	<3	0.43	0.1	45	21	1171	1.41	0.10	0.02	134	16	0.01	36	0.18	40	<2	<2	41	<5	<3	118
495	0.1	0.02	23	221	<3	0.01	0.1	6	76	821	0.47	0.01	0.01	43	14	0.01	10	0.01	11	<2	<2	10	<5	<3	11
496	0.4	0.02	38	46	<3	0.01	0.1	4	70	910	0.44	0.01	0.01	37	8	0.01	38	0.01	47	<2	<2	4	<5	<3	23
497	0.1	0.01	10	15	<3	0.01	0.1	4	100	419	0.40	0.01	0.01	32	2	0.01	6	0.01	7	<2	<2	3	<5	<3	3
498	0.1	0.68	71	19	<3	0.21	0.1	31	43	143	7.94	0.26	0.07	135	16	0.01	60	0.06	27	<2	<2	27	<5	<3	16
499	0.3	0.70	23	15	<3	0.07	0.1	44	62	800	8.24	0.25	0.05	125	25	0.01	65	0.03	25	<2	<2	12	<5	<3	15
500	0.1	1.05	15	34	<3	0.07	0.1	46	45	867	6.33	0.19	0.07	120	16	0.01	72	0.05	39	<2	<2	15	<5	<3	109
501	0.9	0.94	16	31	<3	0.05	0.1	74	58	2877	7.98	0.24	0.02	144	45	0.01	76	0.02	24	<2	<2	19	<5	<3	27
502	0.4	0.86	46	34	4	0.06	0.1	64	43	852	9.93	0.30	0.02	163	31	0.01	112	0.02	27	<2	<2	16	<5	<3	19
503	2.4	0.98	23	57	<3	0.50	0.1	32	61	6697	8.62	0.32	0.03	206	20	0.01	89	0.01	25	<2	<2	32	<5	<3	42
504	0.6	1.54	31	38	3	0.16	0.1	66	49	1853	>10.00	0.35	0.03	174	20	0.01	75	0.02	34	<2	<2	23	<5	<3	39
505	2.1	1.20	19	40	3	0.18	0.1	49	64	4274	8.66	0.28	0.02	212	31	0.01	95	0.03	28	<2	<2	21	<5	<3	57
506	1.4	1.49	14	48	<3	0.25	0.1	45	47	3009	6.88	0.24	0.02	159	14	0.01	83	0.03	31	<2	<2	65	<5	<3	54
507	0.8	1.08	15	52	<3	0.31	0.1	46	42	622	6.62	0.24	0.02	183	8	0.01	124	0.06	33	<2	<2	39	<5	<3	45
508	1.5	1.06	23	63	<3	0.63	0.1	84	61	2363	4.95	0.24	0.02	258	20	0.01	99	0.04	29	<2	<2	50	<5	<3	72
509	1.2	0.55	7	100	<3	1.16	0.1	32	50	1417	3.06	0.27	0.01	219	25	0.01	94	0.10	16	<2	<2	67	<5	<3	17
510	0.8	0.72	23	58	<3	0.79	0.1	62	82	2608	4.76	0.26	0.02	200	22	0.01	139	0.07	18	<2	<2	139	<5	<3	21
511	0.3	1.19	32	41	<3	0.40	0.1	80	58	1161	6.67	0.26	0.01	186	21	0.01	163	0.09	22	<2	<2	67	<5	<3	26
512	0.1	0.44	12	45	<3	0.66	0.1	37	58	488	4.70	0.25	0.01	146	11	0.02	56	0.05	21	<2	<2	169	<5	<3	19
513	0.1	0.36	<3	64	<3	1.21	0.1	14	33	830	0.77	0.21	0.01	168	10	0.06	56	0.10	10	<2	<2	123	<5	<3	7
514	0.1	0.23	<3	77	<3	1.95	0.1	10	34	374	0.67	0.32	0.01	262	13	0.07	9	0.25	203	<2	<2	73	<5	<3	8
515	0.2	0.29	<3	77	<3	1.51	0.1	11	28	373	0.34	0.24	0.01	159	47	0.07	53	0.20	30	<2	<2	61	<5	<3	16
516	0.3	0.43	11	80	<3	1.28	0.1	25	34	1597	0.75	0.22	0.01	159	18	0.07	28	0.15	13	<2	<2	91	<5	<3	13
517	0.5	0.24	<3	98	<3	1.79	0.1	28	26	1213	0.50	0.29	0.01	212	25	0.08	52	0.22	11	<2	<2	89	<5	<3	9
518	0.1	0.29	<3	70	<3	1.36	0.1	29	29	1176	1.67	0.26	0.01	152	5	0.04	25	0.20	10	<2	<2	188	<5	<3	4
519	0.1	0.26	<3	85	<3	1.73	0.1	7	25	1266	0.41	0.28	0.01	192	11	0.07	42	0.20	10	<2	<2	83	<5	<3	6
520	0.2	0.21	<3	253	<3	1.82	0.1	7	39	840	0.49	0.30	0.01	269	18	0.08	11	0.19	6	<2	<2	170	<5	<3	5
521	0.2	0.38	<3	363	<3	1.44	0.2	13	26	1133	0.80	0.26	0.01	208	11	0.05	56	0.14	12	<2	<2	257	<5	<3	9
522	0.1	0.23	<3	464	<3	1.60	0.1	7	40	968	0.33	0.28	0.01	202	17	0.05	9	0.15	20	<2	<2	367	<5	<3	30
523	0.1	0.33	<3	149	<3	1.67	0.2	15	19	946	0.79	0.35	0.01	144	34	0.05	48	0.21	18	<2	<2	954	<5	<3	19
524	0.4	0.24	<3	239	<3	1.83	0.2	11	38	1805	0.69	0.33	0.01	247	12	0.04	13	0.23	10	<2	<2	458	<5	<3	6
525	0.2	0.25	<3	100	<3	1.63	0.2	9	23	1075	0.72	0.27	0.01	296	6	0.06	52	0.14	10	<2	<2	82	<5	<3	4
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum ANOMALOUS RESULTS = Further Analyses by Alternate Methods Suggested

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
526	0.2	0.37	17	37	<3	0.81	0.2	56	51	545	5.14	0.28	0.01	112	9	0.02	70	0.03	18	<2	<2	217	<5	<3	6
527	0.7	0.33	7	70	<3	0.96	0.1	26	35	3354	2.30	0.22	0.01	172	23	0.03	86	0.03	12	<2	<2	217	<5	<3	4
528	0.3	0.44	5	59	<3	1.34	0.1	18	29	1091	1.02	0.24	0.01	284	5	0.12	22	0.06	11	<2	<2	94	<5	<3	12
529	1.4	0.40	4	37	<3	1.61	0.1	33	24	5853	2.62	0.40	0.01	175	19	0.07	76	0.08	10	<2	<2	1024	<5	<3	15
530	0.1	0.43	6	52	<3	0.84	0.1	40	47	752	2.85	0.25	0.01	101	14	0.02	44	0.11	12	<2	<2	526	<5	<3	10
531	0.7	0.38	8	53	<3	0.76	0.1	33	21	2127	2.06	0.19	0.01	145	29	0.01	85	0.06	13	<2	<2	226	<5	<3	17
532	1.7	0.32	16	41	<3	0.65	0.1	41	40	3616	1.88	0.15	0.01	90	15	0.01	66	0.06	13	<2	<2	43	<5	<3	49
533	0.1	0.27	24	29	<3	0.09	0.1	27	31	422	3.27	0.11	0.01	58	5	0.01	91	0.03	11	<2	<2	17	<5	<3	7
534	1.0	0.30	43	26	<3	0.05	0.1	50	59	2835	3.27	0.10	0.01	56	18	0.01	67	0.02	14	<2	<2	16	<5	<3	35
535	0.9	0.27	330	24	<3	0.06	0.1	40	31	2137	3.46	0.11	0.01	69	25	0.01	113	0.03	18	<2	<2	17	<5	<3	40
536	0.1	0.08	25	122	<3	0.04	0.1	10	143	331	0.80	0.03	0.01	52	9	0.02	11	0.02	9	<2	<2	8	<5	<3	9
537	0.2	0.21	24	143	<3	0.38	0.1	15	57	1101	1.03	0.09	0.02	202	12	0.01	105	0.03	7	<2	<2	22	<5	<3	27
538	1.6	0.30	76	76	<3	0.40	0.1	39	100	5048	2.69	0.14	0.03	330	11	0.01	78	0.03	25	<2	<2	24	<5	<3	116
539	0.1	0.19	53	398	<3	0.23	0.1	4	56	282	0.46	0.05	0.01	111	4	0.01	98	0.02	18	<2	<2	30	<5	<3	52
540	0.1	0.05	47	491	<3	0.01	0.1	2	156	415	0.33	0.01	0.01	40	7	0.01	7	0.01	7	<2	<2	19	<5	<3	10
541	0.3	0.03	4	529	<3	0.01	0.1	3	88	673	0.43	0.01	0.01	33	12	0.01	176	0.01	7	<2	<2	24	<5	<3	6
542	0.5	0.09	63	365	<3	0.02	0.1	4	153	1593	0.53	0.02	0.01	60	9	0.01	14	0.01	8	<2	<2	18	<5	<3	10
543	0.6	0.11	35	217	<3	0.02	0.1	7	76	2296	0.59	0.02	0.01	50	32	0.01	142	0.01	34	<2	<2	14	<5	<3	50
544	0.3	0.08	23	266	<3	0.01	0.1	3	80	655	0.44	0.01	0.01	35	7	0.01	10	0.01	16	<2	<2	15	<5	<3	22
545	0.2	0.08	12	449	<3	0.01	0.1	3	167	449	0.41	0.01	0.01	35	4	0.01	9	0.01	12	<2	<2	27	<5	<3	14
546	0.4	0.06	29	404	<3	0.01	0.1	4	71	893	0.40	0.01	0.01	41	12	0.01	8	0.01	19	<2	<2	20	<5	<3	24
547A	0.5	0.12	20	521	<3	0.05	0.1	2	137	1597	0.41	0.02	0.02	49	4	0.01	15	0.01	11	<2	<2	32	<5	<3	13
547B	0.1	0.08	<3	543	<3	0.01	0.1	2	67	363	0.35	0.01	0.01	35	8	0.01	7	0.01	8	<2	<2	31	<5	<3	7
548	0.2	0.11	41	519	<3	0.01	0.1	6	155	1062	0.45	0.01	0.01	41	10	0.01	10	0.01	9	<2	<2	24	<5	<3	5
549	0.1	0.10	13	543	<3	0.01	0.1	8	61	563	0.34	0.01	0.01	30	10	0.01	8	0.01	10	<2	<2	24	<5	<3	7
550	0.7	0.04	204	206	<3	0.02	0.1	21	160	2799	1.12	0.03	0.03	87	20	0.01	29	0.01	33	<2	<2	12	<5	<3	18
551	0.3	0.04	165	392	<3	0.02	0.1	12	169	2720	0.98	0.03	0.03	92	9	0.01	21	0.01	41	<2	<2	17	<5	<3	18
552	0.3	0.05	94	147	<3	0.02	0.1	11	102	1918	1.23	0.04	0.02	79	9	0.01	192	0.01	23	<2	<2	16	<5	<3	14
553	0.7	0.05	192	205	<3	0.02	0.1	9	140	3470	1.41	0.04	0.04	133	17	0.01	25	0.01	10	<2	<2	12	<5	<3	15
554	0.7	0.05	228	149	<3	0.02	0.2	7	80	3636	1.73	0.05	0.05	176	15	0.01	23	0.01	9	<2	<2	7	<5	<3	27
555	0.6	0.07	132	77	<3	0.04	0.1	12	77	4321	1.74	0.05	0.03	94	13	0.01	159	0.02	23	<2	<2	5	<5	<3	15
556	0.6	0.08	118	57	<3	0.08	0.1	13	135	3198	2.32	0.08	0.04	146	10	0.01	41	0.01	9	<2	<2	5	<5	<3	10
557	1.6	0.14	28	142	<3	0.12	0.1	33	154	6273	4.89	0.16	0.06	212	12	0.01	87	0.01	24	<2	2	9	<5	<3	56
558	2.8	0.12	24	114	<3	0.11	0.1	32	91	8312	5.17	0.16	0.08	267	10	0.01	228	0.01	18	<2	3	8	<5	<3	36
559	14.9	0.08	42	19	<3	0.05	0.1	48	81	>20000	8.08	0.24	0.06	269	11	0.01	231	0.01	2	<2	5	3	<5	<3	26
560	4.5	0.03	45	13	<3	0.35	0.1	50	131	8711	5.97	0.22	0.06	176	127	0.01	162	0.01	12	<2	2	6	<5	<3	13
561	1.9	0.13	29	25	3	0.30	0.2	23	152	6105	9.20	0.31	0.10	339	71	0.01	162	0.01	19	<2	4	6	<5	<3	12
562	0.5	0.11	11	216	<3	0.13	0.2	21	94	1948	4.48	0.15	0.04	228	9	0.01	208	0.01	13	<2	2	11	<5	<3	10
563	1.7	0.05	106	163	<3	0.06	0.4	20	147	2488	3.65	0.11	0.08	236	11	0.01	57	0.01	12	<2	2	10	<5	<3	56
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum ANOMALOUS RESULTS = Further Analyses by Alternate Methods Suggested

REPORT #: 890619 PA ALPINE EXPL Proj: TASEKO Date In: 89/09/20 Date Out:89/09/29 Att: B OSBORNE

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
564	0.8	0.04	71	91	<3	0.07	0.2	23	89	4807	4.50	0.14	0.07	185	7	0.01	88	0.01	12	<2	<2	4	<5	<3	17
565	0.9	0.05	91	154	<3	0.06	0.1	24	154	7222	4.25	0.13	0.07	183	9	0.01	90	0.01	13	<2	2	6	<5	<3	18
566	0.1	0.05	42	175	<3	0.18	0.1	12	102	3200	3.03	0.11	0.11	155	30	0.01	235	0.03	10	<2	<2	7	<5	<3	16
567	0.1	0.02	213	145	<3	0.06	0.1	16	155	4994	2.98	0.09	0.09	186	5	0.01	61	0.01	10	<2	<2	6	<5	<3	21
568	0.1	0.19	18	47	<3	0.10	0.1	10	101	2229	2.51	0.09	0.24	163	9	0.01	58	0.05	13	<2	<2	3	<5	<3	14
569	0.1	0.17	19	77	<3	0.12	0.1	10	106	1953	5.55	0.18	0.21	188	15	0.01	242	0.06	15	<2	2	4	<5	<3	11
570	0.3	0.08	38	60	<3	0.07	0.1	14	157	3056	5.30	0.16	0.12	186	12	0.01	91	0.02	13	<2	2	3	<5	<3	10
571	0.2	0.07	29	9	4	0.05	0.1	21	141	2075	9.85	0.29	0.07	197	20	0.01	86	0.01	20	<2	3	2	<5	<3	14
572	0.1	0.04	33	12	<3	0.08	0.1	8	103	1659	2.07	0.07	0.05	149	4	0.01	226	0.02	7	<2	<2	2	<5	<3	8
573	1.7	0.04	27	15	<3	0.06	0.1	24	68	8738	3.36	0.10	0.05	137	7	0.01	104	0.01	9	<2	2	2	<5	<3	15
574	1.7	0.03	17	53	<3	0.06	0.1	26	146	7795	3.86	0.12	0.03	127	14	0.01	95	0.01	12	<2	2	3	<5	<3	10
575	1.4	0.03	32	7	<3	0.04	0.1	22	191	6004	4.57	0.14	0.04	201	10	0.01	95	0.01	13	<2	2	2	<5	<3	11
576	1.3	0.04	74	22	<3	0.05	0.1	16	106	4747	3.62	0.11	0.05	197	6	0.01	238	0.01	11	<2	2	2	<5	<3	11
577	0.6	0.07	43	20	<3	0.07	0.1	12	89	1995	5.58	0.17	0.08	187	5	0.01	87	0.01	15	<2	2	3	<5	<3	9
578	6.4	0.05	120	14	<3	0.11	0.1	30	140	10161	6.10	0.19	0.10	215	13	0.01	141	0.01	13	<2	3	3	<5	<3	13
579	7.7	0.07	131	16	<3	0.21	0.1	36	88	7958	5.11	0.18	0.16	168	35	0.01	261	0.01	16	<2	3	4	<5	<3	17
580	2.6	0.06	116	15	<3	0.10	0.1	16	168	5572	5.97	0.19	0.12	243	17	0.01	101	0.01	14	<2	2	3	<5	<3	10
581	1.6	0.04	104	15	<3	0.11	0.1	14	153	3982	5.58	0.18	0.12	264	41	0.01	88	0.01	13	<2	2	3	<5	<3	14
582	0.3	1.13	<3	148	<3	0.74	0.1	10	29	110	2.14	0.18	1.08	358	1	0.02	15	0.08	19	<2	<2	64	<5	<3	74
583	0.6	0.87	34	34	<3	0.52	0.1	21	20	1084	3.85	0.19	0.15	242	5	0.01	57	0.05	17	<2	<2	93	<5	<3	21
584	0.4	0.51	8	29	<3	0.65	0.1	13	49	1208	2.41	0.17	0.16	293	9	0.01	15	0.06	20	<2	<2	44	<5	<3	49
585	0.1	1.85	36	39	<3	0.20	0.1	28	31	1095	3.03	0.12	1.97	127	5	0.01	27	0.08	32	<2	<2	27	<5	<3	36
586	0.2	1.61	11	51	<3	0.25	0.1	31	17	469	3.69	0.14	1.32	137	4	0.01	51	0.07	22	<2	<2	26	<5	<3	26
587	0.3	1.76	6	54	<3	0.32	0.1	30	24	440	3.71	0.15	1.55	161	4	0.01	15	0.07	23	<2	<2	22	<5	<3	37
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum ANOMALOUS RESULTS = Further Analyses by Alternate Methods Suggested

REPORT #: 890581 PA ALPINE EXPL Proj: TASEKO Date In: 89/09/11 Date Out:89/09/20 Att: B OSBORNE

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
446	3.0	0.57	27	34	<3	0.92	3.1	65	51	6180	3.28	0.24	0.02	224	11	0.01	74	0.14	20	<2	2	116	<5	<3	62
447	0.9	0.50	<3	114	<3	0.92	0.8	16	72	2587	2.60	0.22	0.02	261	74	0.01	36	0.12	13	<2	<2	163	<5	<3	38
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum ANOMALOUS RESULTS = Further Analyses by Alternate Methods Suggested

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890678 PA | ALPINE EXPL | Proj: TASEKO | Date In: 89/09/29 | Date Out:89/10/06 | Att: B OSBORNE

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
588	0.2	1.56	14	37	<3	0.58	0.2	24	21	590	3.73	0.19	1.35	227	3	0.01	26	0.07	30	<2	<2	39	<5	<3	63
589	0.2	1.77	88	33	3	0.80	0.1	21	52	622	4.17	0.24	1.08	285	4	0.01	19	0.07	57	<2	<2	64	<5	<3	125
590	0.1	1.79	9	45	<3	0.42	0.1	26	18	457	3.93	0.18	1.53	362	4	0.01	18	0.09	28	<2	<2	36	<5	<3	51
591	0.1	2.01	10	61	<3	0.47	0.1	28	41	678	3.12	0.16	1.79	369	7	0.01	21	0.07	32	<2	<2	46	<5	<3	48
592	0.2	0.85	373	46	<3	0.86	0.3	26	25	1463	3.11	0.22	0.10	192	5	0.01	26	0.03	29	<2	<2	105	<5	<3	41
593	0.1	0.15	15	13	<3	0.15	0.2	7	127	760	0.74	0.04	0.01	58	<1	0.01	9	0.01	7	<2	<2	7	<5	<3	4
594	0.2	0.18	7	100	<3	0.30	0.1	5	49	568	0.73	0.06	0.01	112	1	0.01	7	0.01	22	<2	<2	11	<5	<3	19
595	0.2	0.68	<3	260	<3	1.50	0.2	11	42	379	1.23	0.27	0.05	330	3	0.02	9	0.13	14	<2	<2	164	<5	<3	23
596	0.2	0.93	14	221	<3	1.22	0.1	24	24	1389	3.49	0.29	0.08	335	5	0.01	33	0.05	18	<2	<2	130	<5	<3	57
597	0.1	0.90	3	350	<3	1.47	0.2	13	49	992	2.70	0.31	0.09	385	8	0.01	23	0.07	17	<2	<2	149	<5	<3	35
598	0.1	0.13	4	122	<3	0.53	0.2	6	45	459	0.72	0.10	0.01	119	1	0.01	4	0.02	8	<2	<2	34	<5	<3	2
599	0.1	1.01	5	29	<3	0.14	0.1	22	53	503	3.86	0.13	0.57	373	1	0.01	25	0.06	16	<2	<2	39	<5	<3	16
600	0.3	1.03	4	26	<3	0.17	0.1	32	28	2321	3.46	0.12	0.82	281	21	0.01	36	0.06	18	<2	<2	32	<5	<3	16
601	0.1	1.13	<3	29	<3	0.17	0.2	21	52	1027	2.93	0.11	0.97	249	17	0.01	26	0.06	18	<2	<2	25	<5	<3	15
602	0.1	0.90	<3	24	<3	0.12	0.1	17	22	549	2.99	0.10	0.76	236	8	0.01	23	0.05	15	<2	<2	21	<5	<3	12
603	0.2	1.15	3	28	<3	0.20	0.2	20	55	829	3.26	0.12	0.93	402	31	0.01	27	0.06	18	<2	<2	24	<5	<3	24
604	0.2	1.29	3	18	<3	0.11	0.1	17	22	313	2.90	0.10	1.38	367	10	0.01	23	0.06	19	<2	<2	15	<5	<3	20
605	0.1	1.23	<3	24	<3	0.11	0.1	17	48	386	3.07	0.10	1.19	316	2	0.01	22	0.05	18	<2	<2	18	<5	<3	22
606	0.2	1.08	4	20	<3	0.11	0.2	19	22	628	3.43	0.12	0.93	518	19	0.01	23	0.05	17	<2	<2	21	<5	<3	42
607	0.1	0.93	<3	20	<3	0.13	0.2	20	47	1993	2.66	0.10	0.86	326	13	0.01	30	0.05	14	<2	<2	18	<5	<3	39
608	0.1	0.28	15	6	<3	0.04	0.1	30	27	310	3.39	0.10	0.02	33	5	0.01	49	0.01	12	<2	<2	23	<5	<3	8
609	0.1	0.35	28	7	<3	0.15	0.1	29	61	199	3.44	0.12	0.02	38	1	0.01	39	0.01	12	<2	<2	19	<5	<3	6
610	0.2	0.23	22	11	<3	0.04	0.1	29	32	266	3.46	0.10	0.02	45	6	0.01	39	0.01	16	<2	2	13	<5	<3	6
611	0.2	0.66	14	25	<3	0.18	0.1	27	55	915	3.77	0.14	0.09	43	6	0.01	30	0.06	13	<2	<2	48	<5	<3	4
612	0.1	0.66	105	40	<3	0.29	0.2	19	22	1010	2.38	0.11	0.09	49	7	0.03	25	0.06	14	<2	<2	53	<5	<3	7
613	0.1	0.89	9	35	<3	0.63	0.1	24	46	1139	2.89	0.18	0.17	71	19	0.06	24	0.07	14	<2	<2	63	<5	<3	5
614	0.1	1.14	<3	23	<3	0.93	0.1	18	24	634	3.20	0.24	0.88	165	5	0.02	24	0.08	18	<2	<2	95	<5	<3	18
615	0.2	0.90	7	26	<3	0.98	0.1	18	59	344	2.88	0.23	0.43	118	5	0.02	21	0.07	15	<2	<2	82	<5	<3	19
616	0.2	0.26	3	201	<3	0.59	0.1	3	57	335	0.61	0.11	0.04	167	2	0.02	5	0.02	9	<2	<2	56	<5	<3	7
617	0.3	0.20	<3	237	<3	0.37	0.1	3	121	592	0.54	0.07	0.03	116	10	0.02	5	0.01	23	<2	<2	31	<5	<3	19
618	0.1	0.11	<3	136	<3	0.29	0.1	2	53	531	0.43	0.05	0.02	107	3	0.01	4	0.01	11	<2	<2	26	<5	<3	5
618B	1.2	0.11	28	40	<3	0.70	0.3	4	136	2656	1.35	0.14	0.02	173	2	0.02	7	0.01	40	<2	<2	20	<5	<3	25
619	0.2	0.09	5	161	<3	0.22	0.2	6	69	554	0.93	0.06	0.03	89	7	0.01	8	0.01	12	<2	<2	21	<5	<3	5
620	0.1	0.10	<3	259	<3	0.21	0.1	4	152	463	0.45	0.04	0.02	68	10	0.01	6	0.01	10	<2	<2	29	<5	<3	2
621	0.1	0.81	3	398	<3	0.97	0.1	7	44	201	1.42	0.19	0.56	245	1	0.03	12	0.05	16	<2	<2	122	<5	<3	37
622	0.1	1.04	<3	503	<3	1.66	0.1	8	44	29	1.89	0.32	0.90	382	<1	0.04	15	0.08	13	<2	<2	205	<5	<3	52
623	0.6	0.95	9	52	<3	0.24	0.1	13	61	133	2.21	0.10	1.06	171	1	0.03	19	0.05	20	<2	4	14	<5	<3	29
624	0.4	1.02	7	41	<3	0.46	0.1	12	104	184	1.93	0.12	1.07	197	1	0.03	21	0.05	19	<2	2	15	<5	<3	30
625	0.3	0.88	8	37	<3	0.30	0.1	11	65	161	2.16	0.11	0.91	178	2	0.02	18	0.05	19	<2	2	13	<5	<3	30
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximu[illegible] tion	50	.00		100(	10	1(	000.0		1(	000		10.0(	10	2(	1000		200	.00		200(	10	1(	100		200

REPORT #: 890678 PA ALPINE EXPL Proj: TASEKO Date In: 89/09/29 Date Out:89/10/06 Att: B OSBORNE

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
626	0.3	0.91	10	31	<3	0.32	0.2	12	97	197	2.17	0.11	0.91	172	1	0.02	18	0.05	22	<2	3	12	<5	<3	29
627	0.2	1.01	10	36	<3	0.36	0.2	11	58	552	2.06	0.11	1.08	193	1	0.02	19	0.05	20	<2	<2	12	<5	<3	29
628	0.3	1.16	8	43	<3	0.35	0.2	15	93	853	2.20	0.11	1.19	185	1	0.01	20	0.05	24	<2	3	11	<5	<3	30
629	0.3	1.08	13	38	<3	0.39	0.1	13	60	311	2.15	0.12	1.11	189	2	0.02	20	0.05	24	<2	2	11	<5	<3	30
630	1.7	1.01	12	28	<3	0.21	0.1	8	99	6419	1.81	0.08	1.10	175	78	0.02	20	0.03	25	<2	<2	8	<5	<3	28
631	0.4	1.10	14	38	<3	0.37	0.2	11	61	1049	1.98	0.11	1.17	182	7	0.01	19	0.04	21	<2	2	11	<5	<3	28
632	0.2	1.08	<3	145	<3	0.54	0.2	10	97	1066	2.06	0.14	1.12	218	2	0.02	21	0.05	19	<2	<2	15	<5	<3	31
633	0.3	0.94	10	50	<3	0.41	0.1	12	61	279	2.21	0.12	1.06	229	2	0.02	19	0.05	21	<2	2	15	<5	<3	33
634	0.1	0.52	5	155	<3	0.22	0.1	5	83	179	0.98	0.06	0.42	206	1	0.03	8	0.02	23	<2	<2	13	<5	<3	33
635	0.2	0.37	8	105	<3	0.24	0.1	4	42	120	0.81	0.06	0.18	147	1	0.04	6	0.02	30	<2	<2	14	<5	<3	23
636	0.6	0.24	<3	17	<3	0.26	0.2	17	119	3152	0.88	0.06	0.02	50	3	0.04	27	0.02	10	<2	<2	26	<5	<3	2
637	0.2	0.37	<3	11	<3	0.77	0.2	5	46	1099	0.65	0.13	0.05	121	5	0.09	13	0.17	12	<2	<2	32	<5	<3	21
638	0.1	1.75	8	12	4	0.20	0.1	22	69	297	3.29	0.12	1.62	122	2	0.01	23	0.10	23	<2	<2	19	<5	<3	9
639	0.1	0.49	<3	20	<3	0.58	0.1	9	30	692	0.89	0.11	0.06	93	13	0.05	12	0.08	8	<2	<2	37	<5	<3	2
640	0.3	1.77	<3	61	<3	0.59	0.1	12	56	965	1.33	0.12	2.09	223	7	0.01	35	0.05	26	<2	<2	18	<5	<3	42
641	0.5	2.50	<3	93	11	0.48	0.1	21	36	1207	1.87	0.12	3.22	239	17	0.01	43	0.05	31	<2	2	21	<5	<3	50
642	0.1	0.70	6	29	<3	0.54	0.2	12	57	1104	1.44	0.12	0.45	136	11	0.02	23	0.05	15	<2	<2	24	<5	<3	23
643	0.5	0.48	53	22	<3	0.28	0.3	29	27	1683	3.34	0.14	0.07	76	6	0.01	32	0.06	33	<2	<2	40	<5	<3	78
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum ANOMALOUS RESULTS = Further Analyses by Alternate Methods Suggested

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
(604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890507 GA   JOB NUMBER: 890507   ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
~~L0+00 98S~~	nd
~~L0+00 99S~~	5
~~L0+00 100S~~	10
~~L0+00 101S~~	5
~~L0+00 102S~~	15
~~L0+00E 82N~~	10
~~L0+00E 83N~~	10
~~L0+00E 84N~~	10
~~L0+00E 85N~~	15
~~L0+00E 86N~~	30
~~L0+00E 87N~~	nd
~~L0+00E 88N~~	nd
~~L0+00E 89N~~	10
~~L0+00E 90N~~	5
~~L0+00E 91N~~	10
~~L0+00E 92N~~	25
~~L0+00E 93N~~	5
~~L0+00E 94N~~	20
~~L0+00E 95N~~	15
L2SE 00	15
L2SE 1NE	10
L2SE 2NE	10
L2SE 3NE	5
L2SE 4NE	15
L2SE 5NE	5
L2SE 6NE	15
L2SE 7NE	5
L2SE 8NE	10
L2SE 9NE	10
L2SE 10NE	5
L2SE 11NE	25
L2SEX 00	15
L2SEX 1NE	15
L2SEX 2NE	10
L2SEX 3NE	5
L2SEX 4NE	nd
L2SEX 5NE	5
L2SEX 6NE	5
L2SEX 7NE	10
DETECTION LIMIT	5

nd = none detected   -- = not analysed   is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #		Au ppb
L2SEX	8NE	10
L2SEX	9NE	45
L2SEX	10NE	10
L2W	00	10
L2W	1NE	30
L2W	2NE	nd
L2W	3NE	45
L2W	4NE	20
L2W	5NE	10
L2W	6NE	5
L2W	7NE	nd
L2W	8NE	10
L2W	9NE	25
L2W	10NE	15
L2W	11NE	15
L4+00	82S	10
L4+00	83S	10
L4+00	84S	5
L4+00	85S	30
L4+00	86S	25
L4+00	87S	25
L4+00	88S	30
L4+00	89S	10
L4+00	90S	15
L4+00	91S	5
L4+00	92S	nd
L4+00	93S	5
L4+00	94S	20
L4+00	95S	15
L4+00	96S	10
L4+00	97S	15
L4+00	98S	20
L4+00	99S	5
L4+00	100S	20
L4+00	101S	10
L4+00	102S	30
L6SE	00	5
L6SE	1NE	nd
L6SE	2NE	nd

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890507 GA JOB NUMBER: 890507 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
L6SE 3NE	10
L6SE 4NE	5
L6SE 5NE	15
L6SE 6NE	15
L6SE 7NE	nd
L6SE 8NE	15
L6SE 9NE	10
L6SE 10NE	5
L6SE 11NE	20
L6SE 12NE	nd
L6SE 13NE	nd
L6SE 14NE	5
L6SE 15NE	20
L6SE 16NE	35
L6SE 17NE	10
L6SE 18NE	15
L6SE 19NE	25
L6SE 20NE	15
L6SEX 00	nd
L6SEX 1NE	nd
L6SEX 2NE	10
L6SEX 3NE	5
L6SEX 4NE	15
L6SEX 5NE	nd
L6SEX 6NE	nd
L6SEX 7NE	5
L6SEX 8NE	5
L6SEX 9NE	15
L6SEX 10NE	10
L6SEX 11NE	10
L6SEX 12NE	20
L6SEX 13NE	25
L6SEX 14NE	30
L6SEX 15NE	5
L6SEX 16NE	30
L6SEX 17NE	15
L6SEX 18NE	25
L6SEX 19NE	10
L6SEX 20NE	5
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #		Au ppb
L6W	00	nd
L6W	1NE	nd
L6W	2NE	15
L6W	3NE	5
L6W	4NE	10
L6W	5NE	50
L6W	6NE	5
L6W	7NE	5
L6W	8NE	35
L6W	9NE	15
L6W	10NE	nd
L6W	11NE	20
L10W	00	10
L10W	1NE	20
L10W	2NE	15
L10W	3NE	15
L10W	4NE	20
L10W	5NE	20
L10W	6NE	10
L10W	7NE	10
L10W	8NE	15
L10W	9NE	10
L10W	10NE	15
L10W	11NE	20
L34E	5N	nd
L38E	1N	10
L38E	6N	nd
L38E	7N	60
L38E	10N	10
L40E	00	5
L40E	6N	60
L40E	7N	10
L40E	2S	10
L40E	3S	20
L42E	1N	10
L42E	3N	30
L42E	4N	5
L42E	5N	15
L42E	6N	380
DETECTION LIMIT		5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #		Au ppb
L42E	7N	5
L42E	8N	10
L42E	9N	20
L42E	10N	5
L42E	2S	15
L42E	3S	15
L44E	1N	25
L44E	3N	25
L44E	4N	5
L44E	5N	nd
L44E	6N	25
L44E	7N	nd
L44E	9N	35
L44E	10N	10
L44E	1S	20
L44E	2S	5
L44E	3S	15
L46E	00	50
L46E	1N	20
L46E	3N	5
L46E	4N	25
L46E	5N	55
L46E	6N	30
L46E	7N	5
L46E	9N	30
L46E	10N	15
L46E	1S	40
L46E	2S	20
L46E	3S	30
L48E	00	45
L48E	1N	40
L48E	2N	10
L48E	3N	70
L48E	4N	30
L48E	5N	65
L48E	6N	15
L48E	7N	105
L48E	8N	120
L48E	9N	10

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #		Au ppb
L48E	10N	nd
L48E	1S	55
L48E	2S	50
L48E	3S	25
L50E	00	85
L50E	1N	40
L50E	2N	nd
L50E	3N	30
L50E	4N	200
L50E	5N	25
L50E	6N	5
L50E	8N	15
L50E	1S	30
L50E	2S	25
L50E	3S	30
L52E	00	10
L52E	1N	nd
L52E	2N	25
L52E	3N	10
L52E	4N	15
L52E	5N	10
L52E	6N	30
L52E	7N	nd
L52E	8N	20
L52E	10N	10
L52E	1S	10
L52E	2S	40
L52E	3S	35
L54E	00	25
L54E	1N	nd
L54E	2N	5
L54E	3N	nd
L54E	4N	15
L54E	5N	5
L54E	6N	nd
L54E	7N	30
L54E	8N	20
L54E	9N	25
L54E	10N	40

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #		Au ppb
L54E	1S	30
L54E	2S	10
L54E	3S	10
L66E	00	5
L66E	1N	5
L66E	2N	30
L66E	3N	25
L66E	4N	40
L66E	5N	40
L66E	6N	200
L66E	7N	30
L66E	8N	15
L66E	9N	nd
L66E	10N	nd
L66E	1S	15
L66E	2S	nd
L70E	1N	30
L70E	2N	10
L70E	3N	30
L70E	4N	60
L70E	5N	35
L70E	6N	35
L70E	7N	nd
L70E	8N	nd
L70E	9N	5
L70E	10N	20
L70E	1S	10
L70E	2S	30
L74E	0N	10
L74E	1N	60
L74E	2N	40
L74E	3N	60
L74E	4N	70
L74E	5N	40
L74E	6N	10
L74E	7N	5
L74E	8N	10
L74E	9N	15
L74E	10N	nd

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #		Au ppb
L74E	1S	35
L74E	2S	25
L86E	8S	5
L86E	9S	20
L86E	10S	10
L86E	11S	15
L86E	12S	35
L86E	13S	20
L86E	14S	nd
L90E	8S	5
L90E	9S	nd
L90E	10S	10
L90E	11S	5
L90E	12S	10
L90E	13S	10
L90E	14S	65
L94E	9S	15
L94E	10S	10
L94E	11S	5
L94E	12S	35
L94E	13S	30
L94E	14S	25

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890499 GA JOB NUMBER: 890499 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
L22E 00	15
L22E 1N	35
L22E 2N	25
L22E 3N	20
L22E 4N	10
L22E 5N	15
L22E 1S	60
L22E 2S	30
L22E 3S	25
L22E 4S	20
L22E 5S	25
L22E 6S	65
L22E 7S	5
L22E 8S	20
L22E 9S	15
L22E 10S	nd
L22E 11S	15
L22E 12S	30
L22E 13S	20
L22E 14S	10
L26E 00	nd
L26E 1N	10
L26E 2N	10
L26E 3N	35
L26E 4N	15
L26E 5N	30
L26E 6N	20
L26E 7N	5
L26E 8N	15
L26E 9N	10
L26E 1S	30
L26E 2S	20
L26E 3S	15
L30E 1N	50
L30E 2N	15
L30E 3N	20
L30E 4N	20
L30E 5N	5
L30E 6N	25
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890499 GA   JOB NUMBER: 890499   ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
L30E 7N	30
L30E 8N	45
L30E 9N	40
L30E 1S	45
L30E 2S	10
L30E 3S	30
L34E 00	20
L34E 1N	30
L34E 2N	5
L34E 3N	20
L34E 4N	20
L34E 6N	30
L34E 7N	20
L34E 8N	10
L34E 9N	15
L34E 10N	25
L34E 1S	20
L34E 2S	30
L34E 3S	20
L38E 00	35
L38E 2N	30
L38E 3N	30
L38E 4N	30
L38E 5N	10
L38E 8N	15
L38E 9N	55
L38E 1S	45
L38E 2S	25
L38E 3S	15
L40E 1N	35
L40E 2N	20
L40E 3N	40
L40E 4N	10
L40E 5N	25
L40E 8N	30
L40E 9N	20
L40E 10N	15
L40E 1S	50
L42E 00	10
DETECTION LIMIT	5

nd = none detected   -- = not analysed   is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
L42E 2N	40
L42E 1S	10
L44E 00	30
L44E 2N	50
L44E 8N	35
L46E 2N	40

DETECTION LIMIT 5

nd = none detected   -- = not analysed   is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890480 GA   JOB NUMBER: 890480   ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
L6E 00	25
L6E 1N	30
L6E 2N	30
L6E 3N	30
L6E 4N	20
L6E 5N	25
L6E 1S	10
L6E 2S	30
L6E 3S	40
L6E 4S	60
L6E 5S	20
L6E 7S	40
L6E 8S	25
L6E 9S	75
L6E 10S	90
L6E 11S	35
L6E 12S	20
L10E 00	30
L10E 1N	45
L10E 2N	25
L10E 3N	55
L10E 4N	70
L10E 5N	40
L10E 6N	25
L10E 7N	30
L10E 1S	35
L10E 2S	55
L10E 3S	35
L10E 4S	80
L10E 5S	55
L10E 6S	240
L10E 7S	90
L14E 00	40
L14E 1N	15
L14E 2N	50
L14E 3N	95
L14E 4N	90
L14E 5N	5
L14E 6N	10
DETECTION LIMIT	5

nd = none detected   -- = not analysed   is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890480 GA JOB NUMBER: 890480 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
L14E 7N	45
L14E 1S	60
L14E 2S	45
L14E 3S	50
L14E 4S	60
L14E 5S	20
L14E 6S	90
L14E 7S	55
L16E 00	15
L16E 1N	65
L16E 2N	30
L16E 3N	50
L16E 4N	50
L16E 5N	25
L16E 6N	20
L16E 7N	95
L16E 1S	80
L16E 2S	35
L16E 3S	65
L16E 4S	40
L16E 5S	80
L16E 6S	95
L16E 7S	30
L18E 00	35
L18E 1N	90
L18E 2N	40
L18E 3N	60
L18E 4N	35
L18E 5N	35
L18E 1S	25
L18E 2S	50
L18E 3S	20
L18E 4S	5
L18E 5S	85
L18E 6S	5
L18E 7S	10

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED
1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890507 PA   ALPINE EXPLORATION   Proj: TASEKO   Date In: 89/08/24   Date Out:89/09/01   Att: B OSBORNE

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
~~L0+00 98S~~	0.6	1.22	18	40	<3	0.10	0.2	7	17	78	2.15	0.08	0.32	127	10	0.01	8	0.02	54	<2	2	11	<5	<3	132
~~L0+00 99S~~	0.5	0.74	<3	41	<3	0.10	0.1	4	6	39	1.09	0.04	0.10	62	2	0.01	2	0.01	24	<2	2	10	<5	<3	39
~~L0+00 100S~~	0.5	1.91	9	30	<3	0.12	0.2	7	18	169	1.86	0.07	0.45	180	4	0.01	9	0.05	49	<2	<2	11	<5	<3	91
~~L0+00 101S~~	0.2	1.24	<3	48	<3	0.07	0.1	4	9	43	1.41	0.05	0.20	79	7	0.01	6	0.02	31	<2	<2	10	<5	<3	59
~~L0+00 102S~~	0.5	0.98	<3	46	<3	0.06	0.1	4	5	37	1.16	0.04	0.15	73	3	0.01	4	0.02	23	<2	<2	8	<5	<3	37
~~L0+00E 82N~~	0.3	1.52	8	46	<3	0.08	0.2	7	19	39	1.81	0.06	0.39	129	5	0.01	10	0.02	37	<2	<2	9	<5	<3	84
~~L0+00E 83N~~	0.4	1.34	36	63	<3	0.11	0.1	7	12	37	1.49	0.06	0.36	132	9	0.01	7	0.02	34	<2	<2	13	<5	<3	75
~~L0+00E 84N~~	0.5	1.32	11	59	<3	0.14	0.1	7	13	56	1.30	0.06	0.46	173	4	0.01	8	0.01	41	<2	<2	15	<5	<3	74
~~L0+00E 85N~~	0.8	0.97	<3	31	<3	0.07	0.1	4	11	22	1.19	0.04	0.18	73	3	0.01	4	0.01	30	<2	<2	9	<5	<3	51
~~L0+00E 86N~~	0.5	1.34	3	30	<3	0.07	0.2	5	12	26	1.66	0.06	0.23	94	3	0.01	6	0.06	33	<2	<2	10	<5	<3	88
~~L0+00E 87N~~	1.1	2.27	11	85	<3	0.19	0.2	11	18	98	2.09	0.09	0.58	339	5	0.02	13	0.02	84	<2	<2	17	<5	<3	148
~~L0+00E 88N~~	0.9	1.62	4	58	<3	0.28	0.1	7	12	66	1.50	0.08	0.40	147	2	0.01	8	0.02	44	<2	<2	19	<5	<3	102
~~L0+00E 89N~~	1.8	1.47	19	49	<3	0.25	0.2	8	18	94	1.82	0.09	0.37	287	7	0.02	9	0.03	121	<2	<2	24	<5	<3	141
~~L0+00E 90N~~	0.5	1.38	<3	58	<3	0.13	0.1	6	12	48	1.32	0.06	0.34	136	<1	0.01	7	0.01	47	<2	<2	12	<5	<3	110
~~L0+00E 91N~~	0.5	1.59	<3	29	<3	0.08	0.2	6	17	29	1.88	0.06	0.21	84	4	0.01	5	0.03	40	<2	<2	9	<5	<3	80
~~L0+00E 92N~~	1.2	1.31	5	33	<3	0.11	0.2	7	13	57	1.69	0.06	0.31	119	1	0.02	8	0.02	49	<2	<2	12	<5	<3	90
~~L0+00E 93N~~	0.6	0.98	<3	33	<3	0.06	0.1	3	4	22	1.06	0.04	0.06	35	4	0.01	1	0.01	23	<2	<2	10	<5	<3	41
~~L0+00E 94N~~	0.6	1.43	9	22	<3	0.07	0.1	6	20	133	1.82	0.06	0.32	123	4	0.01	8	0.02	42	<2	<2	7	<5	<3	78
~~L0+00E 95N~~	0.5	0.32	<3	18	<3	0.10	0.1	5	6	33	0.98	0.04	0.09	82	<1	0.01	5	0.01	16	<2	2	10	<5	<3	42
L2SE 00	0.2	1.55	19	44	<3	0.13	0.2	8	57	66	3.48	0.12	0.39	105	4	0.01	15	0.08	28	<2	<2	10	<5	<3	45
L2SE 1NE	0.3	0.79	<3	72	<3	0.33	0.1	6	17	39	1.27	0.08	0.44	85	1	0.01	17	0.01	16	<2	<2	16	<5	<3	38
L2SE 2NE	0.4	1.46	<3	285	<3	0.44	0.2	8	27	169	1.88	0.12	0.57	128	1	0.03	17	0.05	22	<2	<2	35	<5	<3	48
L2SE 3NE	0.5	1.56	6	192	<3	0.29	0.2	9	30	221	2.05	0.10	0.64	163	3	0.03	18	0.04	25	<2	2	26	<5	<3	50
L2SE 4NE	0.3	1.67	7	233	<3	0.24	0.2	11	31	167	2.25	0.10	0.71	304	3	0.02	19	0.03	24	<2	<2	22	<5	<3	51
L2SE 5NE	0.4	1.73	9	239	<3	0.28	0.2	11	29	192	2.09	0.10	0.80	197	2	0.02	21	0.03	24	<2	<2	28	<5	<3	54
L2SE 6NE	0.3	1.36	4	212	<3	0.22	0.2	9	24	152	1.79	0.09	0.65	211	2	0.02	15	0.02	19	<2	<2	23	<5	<3	46
L2SE 7NE	0.4	1.23	5	142	<3	0.16	0.1	8	23	133	1.62	0.07	0.58	93	1	0.01	13	0.01	20	<2	<2	20	<5	<3	35
L2SE 8NE	0.5	1.86	13	193	<3	0.48	0.2	13	40	415	2.37	0.15	0.75	510	3	0.03	32	0.06	24	<2	<2	81	<5	<3	47
L2SE 9NE	0.2	1.41	12	168	<3	0.34	0.2	16	48	225	2.96	0.14	0.78	394	2	0.02	26	0.02	26	<2	2	50	<5	<3	53
L2SE 10NE	0.1	0.10	<3	63	<3	7.40	0.3	1	1	83	0.09	1.11	0.08	38	<1	0.01	7	0.01	6	<2	<2	220	<5	<3	29
L2SE 11NE	0.4	2.12	7	79	<3	0.87	0.2	12	31	130	2.58	0.20	0.79	154	3	0.01	21	0.04	26	<2	<2	39	<5	<3	70
L2SEX 00	0.1	0.83	<3	41	<3	0.08	0.1	4	16	22	1.23	0.04	0.27	62	1	0.01	6	0.01	17	<2	<2	7	<5	<3	29
L2SEX 1NE	0.2	1.31	9	99	<3	0.07	0.2	7	20	40	1.80	0.06	0.44	136	4	0.01	11	0.03	25	<2	<2	6	<5	<3	40
L2SEX 2NE	0.2	1.06	12	112	<3	0.12	0.2	9	47	63	2.62	0.09	0.49	141	1	0.02	14	0.03	22	<2	2	8	<5	<3	40
L2SEX 3NE	0.1	0.66	<3	121	<3	0.10	0.1	4	12	29	1.12	0.04	0.20	61	<1	0.01	6	0.01	14	<2	<2	10	<5	<3	36
L2SEX 4NE	0.2	1.41	5	268	<3	0.18	0.2	8	23	326	1.93	0.08	0.50	155	2	0.02	16	0.02	22	<2	<2	18	<5	<3	59
L2SEX 5NE	0.3	1.21	<3	160	<3	0.14	0.1	8	22	420	1.58	0.06	0.49	151	<1	0.03	29	0.02	19	<2	<2	13	<5	<3	103
L2SEX 6NE	0.2	3.17	<3	516	<3	0.23	0.1	15	26	598	2.50	0.11	0.66	802	4	0.07	40	0.04	33	<2	<2	25	<5	<3	107
L2SEX 7NE	0.4	0.85	<3	44	<3	0.12	0.1	6	18	33	1.39	0.06	0.30	75	<1	0.01	10	0.01	15	<2	2	8	<5	<3	54
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

REPORT #: 890507 PA ALPINE EXPLORATION Proj: TASEKO Date In: 89/08/24 Date Out:89/09/01 Att: B OSBORNE

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
L2SEX 8NE	0.3	1.51	<3	280	<3	0.40	0.3	10	32	193	2.03	0.01	0.65	603	1	0.04	33	0.07	23	<2	2	38	<5	<3	70
L2SEX 9NE	0.2	1.53	<3	142	<3	0.25	0.1	10	30	165	2.02	0.01	0.69	144	1	0.02	29	0.03	26	<2	2	27	<5	<3	47
L2SEX 10NE	0.2	0.99	<3	89	<3	0.13	0.2	7	18	77	1.49	0.01	0.32	111	<1	0.02	13	0.02	20	<2	2	16	<5	<3	50
L2W 00	0.1	0.35	<3	39	<3	0.06	0.1	2	18	9	0.97	0.01	0.10	38	<1	0.01	4	0.01	11	<2	<2	7	<5	<3	16
L2W 1NE	0.3	1.11	<3	52	<3	0.11	0.1	9	33	94	1.89	0.01	0.72	94	1	0.01	15	0.02	18	<2	3	10	<5	<3	40
L2W 2NE	0.1	0.79	<3	118	<3	0.29	0.1	5	13	59	0.96	0.01	0.35	65	1	0.01	9	0.02	14	<2	2	29	<5	<3	29
L2W 3NE	0.1	0.74	<3	43	<3	0.12	0.2	5	20	27	1.17	0.01	0.35	78	<1	0.01	9	0.01	14	<2	2	12	<5	<3	27
L2W 4NE	0.3	1.21	9	83	<3	0.14	0.3	9	39	134	2.30	0.01	0.57	88	6	0.01	16	0.03	21	<2	2	13	<5	<3	38
L2W 5NE	0.4	0.96	<3	77	<3	0.14	0.2	6	20	66	1.39	0.01	0.36	83	1	0.02	10	0.01	19	<2	2	16	<5	<3	25
L2W 6NE	0.4	1.19	<3	106	<3	0.27	0.2	7	14	86	1.59	0.01	0.28	94	1	0.02	11	0.01	21	<2	3	34	<5	<3	35
L2W 7NE	0.3	2.18	9	158	3	0.50	0.1	17	61	378	2.99	0.01	1.46	367	1	0.03	39	0.05	29	<2	3	50	<5	<3	66
L2W 8NE	0.1	1.08	<3	86	<3	0.20	0.1	8	17	92	1.58	0.01	0.40	126	1	0.02	13	0.01	18	<2	<2	25	<5	<3	39
L2W 9NE	0.3	1.19	<3	70	<3	0.12	0.2	5	14	38	1.51	0.01	0.29	78	3	0.01	9	0.03	25	<2	<2	17	<5	<3	43
L2W 10NE	0.4	2.00	<3	63	<3	0.12	0.2	8	27	80	2.50	0.01	0.47	108	4	0.01	14	0.05	27	<2	2	17	<5	<3	62
L2W 11NE	0.3	1.05	10	213	<3	0.27	0.1	12	33	133	2.04	0.02	0.49	540	1	0.02	16	0.06	21	<2	2	30	<5	<3	46
L4+00 82S	0.4	1.26	6	57	<3	0.12	0.2	7	14	81	1.31	0.01	0.46	160	1	0.02	9	0.01	36	<2	2	13	<5	<3	45
L4+00 83S	0.5	1.95	11	63	<3	0.18	0.1	8	13	64	1.56	0.01	0.37	216	1	0.03	11	0.03	46	<2	<2	20	<5	<3	78
L4+00 84S	1.2	1.56	16	61	<3	0.19	0.1	7	18	124	1.74	0.02	0.40	155	2	0.02	9	0.03	48	<2	<2	18	<5	<3	73
L4+00 85S	0.7	1.22	5	63	<3	0.13	0.2	7	15	58	1.42	0.01	0.31	118	3	0.02	10	0.01	36	<2	2	13	<5	<3	58
L4+00 86S	0.4	0.69	<3	29	<3	0.11	0.1	3	11	24	1.00	0.01	0.14	58	1	0.01	4	0.01	24	<2	2	12	<5	<3	39
L4+00 87S	0.3	0.91	6	35	<3	0.11	0.2	6	17	93	1.62	0.01	0.27	102	9	0.01	15	0.01	26	<2	2	13	<5	<3	66
L4+00 88S	0.5	1.04	10	38	<3	0.09	0.1	6	18	225	1.84	0.01	0.33	111	10	0.02	8	0.01	28	<2	2	12	<5	<3	64
L4+00 89S	0.6	1.84	8	77	<3	0.26	0.8	9	16	190	1.69	0.04	0.43	373	3	0.03	12	0.02	66	<2	<2	30	<5	<3	140
L4+00 90S	1.1	1.66	37	58	<3	0.17	0.2	8	9	227	1.49	0.03	0.33	153	2	0.02	10	0.02	57	<2	<2	18	<5	<3	113
L4+00 91S	1.1	1.61	11	37	<3	0.06	0.1	6	16	187	2.00	0.03	0.29	99	7	0.01	8	0.03	38	<2	2	9	<5	<3	76
L4+00 92S	0.6	0.84	<3	14	<3	0.05	0.2	3	13	27	1.34	0.02	0.10	46	5	0.01	3	0.01	23	<2	2	8	<5	<3	35
L4+00 93S	1.1	1.91	32	37	<3	0.08	0.2	9	20	379	2.50	0.04	0.62	195	4	0.02	13	0.05	44	<2	<2	8	<5	<3	83
L4+00 94S	0.2	1.18	3	49	<3	0.13	0.2	8	22	93	1.69	0.01	0.40	178	<1	0.02	9	0.03	44	<2	2	12	<5	<3	59
L4+00 95S	0.9	1.31	13	29	<3	0.10	0.1	7	22	234	1.90	0.04	0.38	154	1	0.01	10	0.04	43	<2	2	9	<5	<3	71
L4+00 96S	0.3	1.72	8	21	<3	0.06	0.1	6	34	69	2.36	0.01	0.27	108	1	0.01	6	0.05	36	<2	<2	7	<5	<3	51
L4+00 97S	0.4	2.17	4	34	<3	0.05	0.1	5	13	69	1.60	0.03	0.27	97	1	0.01	6	0.04	36	<2	<2	8	<5	<3	51
L4+00 98S	0.5	2.08	76	72	<3	0.20	0.8	12	17	1402	1.95	0.01	0.53	561	8	0.02	23	0.03	73	<2	2	18	<5	<3	307
L4+00 99S	1.1	1.10	<3	20	<3	0.05	0.1	5	6	121	1.32	0.03	0.19	123	2	0.01	5	0.04	23	<2	2	6	<5	<3	41
L4+00 100S	0.9	1.46	8	29	<3	0.06	0.2	6	15	137	1.95	0.05	0.31	113	6	0.01	8	0.03	37	<2	3	8	<5	<3	81
L4+00 101S	0.2	1.44	14	22	<3	0.05	0.2	5	19	75	2.07	0.05	0.25	91	21	0.01	6	0.03	30	<2	2	6	<5	<3	61
L4+00 102S	0.7	1.12	6	37	<3	0.10	0.1	6	9	152	1.66	0.05	0.28	107	13	0.01	7	0.02	34	<2	3	11	<5	<3	74
L6SE 00	0.1	0.88	<3	208	<3	0.43	0.1	6	8	379	1.11	0.08	0.20	132	1	0.02	10	0.02	18	<2	2	27	<5	<3	48
L6SE 1NE	0.2	2.19	<3	545	<3	0.52	0.2	12	31	446	2.39	0.13	0.63	760	2	0.04	26	0.07	35	<2	<2	37	<5	<3	92
L6SE 2NE	0.3	2.31	6	400	<3	0.32	0.2	12	25	365	2.87	0.12	0.55	568	4	0.05	24	0.05	39	<2	<2	28	<5	<3	81
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

REPORT #: 890507 PA   ALPINE EXPLORATION   Proj: TASEKO   Date In: 89/08/24   Date Out:89/09/01   Att: B OSBORNE

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L6W 00	0.1	0.90	9	60	<3	0.18	0.1	4	19	55	1.29	0.06	0.36	126	<1	0.01	8	0.01	13	<2	<2	9	<5	<3	36
L6W 1NE	0.2	1.34	<3	180	<3	0.14	0.1	8	15	66	1.68	0.07	0.38	302	<1	0.01	12	0.02	17	<2	<2	16	<5	<3	49
L6W 2NE	0.1	2.44	<3	684	<3	0.55	1.0	25	39	209	1.85	0.01	0.35	>20000	3	0.08	67	0.15	22	<2	<2	65	25	<3	79
L6W 3NE	0.2	2.19	15	82	3	0.13	0.1	16	64	247	3.43	0.12	1.45	492	5	0.01	35	0.06	23	<2	2	11	<5	<3	61
L6W 4NE	0.2	0.71	<3	48	<3	0.09	0.1	6	21	25	1.55	0.06	0.28	102	1	0.01	9	0.02	13	<2	2	12	<5	<3	39
L6W 5NE	0.1	0.83	28	52	<3	0.14	0.1	6	11	264	1.54	0.06	0.12	78	6	0.01	13	0.10	13	<2	<2	19	<5	<3	30
L6W 6NE	0.2	0.79	7	85	<3	0.16	0.2	6	14	82	1.27	0.06	0.20	105	1	0.01	7	0.05	13	<2	<2	25	<5	<3	31
L6W 7NE	0.3	1.08	<3	54	<3	0.09	0.3	6	11	34	1.48	0.05	0.23	197	<1	0.01	8	0.04	13	<2	<2	13	<5	<3	47
L6W 8NE	0.2	1.24	11	114	<3	0.16	0.2	12	30	120	2.57	0.10	0.43	615	2	0.02	19	0.06	19	<2	<2	20	<5	<3	59
L6W 9NE	0.2	0.78	<3	58	<3	0.06	0.1	6	17	29	1.32	0.05	0.25	198	<1	0.01	7	0.03	15	<2	2	8	<5	<3	39
L6W 10NE	0.1	1.28	8	69	<3	0.05	0.1	7	24	46	2.01	0.06	0.42	178	1	0.01	13	0.07	17	<2	<2	6	<5	<3	69
L6W 11NE	0.1	1.89	12	118	<3	0.07	0.1	10	36	148	3.64	0.11	0.48	122	4	0.01	16	0.07	24	<2	<2	13	<5	<3	56
L10W 00	0.2	1.78	8	52	<3	0.05	0.2	9	26	54	2.44	0.08	0.43	103	4	0.01	17	0.06	20	<2	<2	7	<5	<3	38
L10W 1NE	0.2	1.94	11	195	<3	0.10	0.2	13	22	103	2.31	0.08	0.64	243	3	0.02	18	0.06	30	<2	<2	15	<5	<3	63
L10W 2NE	0.2	1.27	10	203	<3	0.23	0.1	14	23	130	2.33	0.10	0.51	380	5	0.02	19	0.06	21	<2	<2	47	<5	<3	58
L10W 3NE	0.3	1.54	16	104	<3	0.10	0.2	15	28	149	3.27	0.11	0.46	179	9	0.02	22	0.07	25	<2	<2	22	<5	<3	69
L10W 4NE	0.2	0.91	3	61	<3	0.07	0.1	5	14	34	1.37	0.05	0.20	74	3	0.01	8	0.03	18	<2	<2	13	<5	<3	26
L10W 5NE	0.4	1.09	6	114	<3	0.12	0.1	7	14	120	1.48	0.06	0.37	110	1	0.02	14	0.02	18	<2	<2	30	<5	<3	38
L10W 6NE	0.4	1.04	8	67	<3	0.10	0.1	8	35	39	2.21	0.08	0.46	106	3	0.01	15	0.02	18	<2	2	24	<5	<3	39
L10W 7NE	0.4	0.67	4	79	<3	0.09	0.1	5	8	52	1.09	0.04	0.17	86	<1	0.01	7	0.02	16	<2	<2	27	<5	<3	26
L10W 8NE	0.3	0.72	15	70	<3	0.15	0.1	8	55	57	2.69	0.10	0.44	175	<1	0.02	23	0.06	21	<2	2	29	<5	<3	40
L10W 9NE	0.2	1.20	18	137	<3	0.21	0.1	12	36	99	2.69	0.11	0.62	290	2	0.02	20	0.07	26	<2	2	25	<5	<3	73
L10W 10NE	0.1	0.75	17	56	<3	0.12	0.2	11	51	62	2.88	0.10	0.42	439	1	0.01	18	0.07	21	<2	2	8	<5	<3	42
L10W 11NE	0.2	1.05	24	85	<3	0.17	0.3	12	79	88	4.20	0.15	0.51	212	2	0.02	20	0.07	27	<2	2	16	<5	<3	43
L34E 5N	0.1	1.32	14	280	<3	0.39	0.2	25	26	199	2.84	0.15	0.66	1087	19	0.01	17	0.04	33	<2	3	68	<5	<3	53
L38E 1N	0.2	0.87	<3	35	<3	0.04	0.2	5	7	17	1.18	0.04	0.12	94	<1	0.01	5	0.04	17	<2	2	5	<5	<3	31
L38E 6N	0.3	1.64	5	275	<3	0.34	0.1	10	16	527	2.01	0.11	0.42	282	6	0.02	18	0.07	22	<2	<2	67	<5	<3	65
L38E 7N	0.2	1.94	19	125	<3	0.02	0.1	4	12	131	3.89	0.11	0.50	137	10	0.02	15	0.11	33	<2	<2	25	<5	<3	32
L38E 10N	0.3	1.05	<3	84	<3	0.09	0.1	4	8	22	1.51	0.06	0.15	66	2	0.01	5	0.08	19	<2	2	21	<5	<3	46
L40E 00	0.1	0.44	<3	70	<3	0.08	0.1	3	4	16	0.69	0.03	0.07	37	<1	0.01	4	0.01	11	<2	<2	24	<5	<3	21
L40E 6N	0.2	2.29	24	61	<3	0.04	0.2	8	20	76	3.10	0.09	0.42	146	4	0.01	16	0.08	39	<2	<2	9	<5	<3	64
L40E 7N	0.2	2.08	24	51	<3	0.04	0.2	7	14	77	2.32	0.07	0.32	111	3	0.01	15	0.12	35	<2	<2	8	<5	<3	42
L40E 2S	0.2	0.86	3	32	<3	0.02	0.1	2	8	32	0.97	0.03	0.11	36	<1	0.01	3	0.03	14	<2	<2	4	<5	<3	16
L40E 3S	0.2	0.89	5	79	<3	0.06	0.1	5	20	46	1.49	0.05	0.23	84	1	0.01	10	0.02	14	<2	<2	11	<5	<3	26
L42E 1N	0.3	0.53	6	149	<3	0.18	0.1	7	7	206	1.20	0.06	0.17	128	1	0.01	7	0.01	17	<2	2	59	<5	<3	48
L42E 3N	0.2	1.86	13	48	<3	0.06	0.2	7	22	155	2.51	0.08	0.32	79	2	0.01	13	0.10	21	<2	<2	14	<5	<3	38
L42E 4N	0.3	1.04	23	44	<3	0.08	0.1	8	23	92	2.59	0.09	0.31	77	4	0.01	12	0.04	22	<2	2	28	<5	<3	46
L42E 5N	0.2	1.96	30	36	<3	0.06	0.1	10	24	211	3.01	0.09	0.52	144	3	0.01	18	0.08	38	<2	<2	12	<5	<3	50
L42E 6N	0.4	0.80	14	59	<3	0.04	0.1	4	10	40	1.55	0.05	0.16	62	2	0.01	9	0.02	22	<2	<2	11	<5	<3	52
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
L6SE 3NE	0.1	1.80	<3	>1000	<3	0.37	0.5	37	27	251	2.30	0.01	0.48	10797	10	0.04	98	0.05	29	<2	<2	32	<5	<3	107
L6SE 4NE	0.4	1.81	<3	614	<3	0.47	0.1	15	26	181	2.36	0.09	0.54	2342	4	0.03	48	0.08	23	<2	<2	53	<5	<3	99
L6SE 5NE	0.2	0.62	5	72	<3	0.12	0.1	6	39	24	2.03	0.08	0.29	126	1	0.01	11	0.01	14	<2	2	15	<5	<3	40
L6SE 6NE	0.1	0.66	<3	124	<3	0.11	0.2	5	7	27	1.20	0.06	0.14	86	<1	0.01	7	0.01	12	<2	2	16	<5	<3	36
L6SE 7NE	0.4	1.61	<3	257	<3	0.42	0.1	8	17	150	2.05	0.04	0.33	312	4	0.04	20	0.04	25	<2	<2	56	<5	<3	58
L6SE 8NE	0.4	1.54	4	153	<3	0.24	0.1	10	25	115	2.28	0.02	0.64	234	2	0.02	19	0.04	24	<2	<2	27	<5	<3	61
L6SE 9NE	0.1	1.60	<3	177	<3	0.19	0.2	10	27	119	2.19	0.01	0.70	181	1	0.02	18	0.02	20	<2	2	21	<5	<3	65
L6SE 10NE	0.3	1.05	<3	146	<3	0.18	0.1	8	11	50	1.45	0.01	0.34	243	1	0.02	8	0.02	17	<2	2	21	<5	<3	47
L6SE 11NE	0.4	1.82	7	155	<3	0.20	0.1	14	46	282	2.56	0.01	1.19	167	4	0.01	26	0.03	29	<2	2	17	<5	<3	74
L6SE 12NE	0.4	1.14	6	141	<3	0.23	0.1	12	25	115	1.75	0.01	0.66	213	1	0.02	15	0.02	22	<2	3	22	<5	<3	54
L6SE 13NE	0.3	1.59	13	137	<3	0.16	0.2	10	20	522	1.83	0.01	0.67	172	3	0.02	18	0.02	28	<2	<2	16	<5	<3	51
L6SE 14NE	0.2	0.54	<3	51	<3	0.06	0.2	3	4	27	0.55	0.01	0.10	39	1	0.01	4	0.01	10	<2	2	9	<5	<3	27
L6SE 15NE	0.4	2.72	<3	35	<3	0.04	0.2	7	23	46	2.38	0.01	0.38	79	1	0.01	10	0.13	27	<2	<2	5	<5	<3	47
L6SE 16NE	0.5	1.44	<3	30	<3	0.07	0.1	6	25	33	2.24	0.01	0.41	81	2	0.01	10	0.06	21	<2	2	8	<5	<3	35
L6SE 17NE	0.3	1.59	8	39	<3	0.07	0.1	7	30	38	2.43	0.01	0.38	107	1	0.01	12	0.07	21	<2	<2	9	<5	<3	36
L6SE 18NE	0.4	2.65	<3	33	<3	0.06	0.1	7	26	43	2.60	0.01	0.36	103	2	0.01	11	0.17	28	<2	<2	7	<5	<3	54
L6SE 19NE	0.4	3.05	<3	26	<3	0.05	0.2	10	45	136	3.17	0.02	0.72	129	2	0.01	17	0.19	28	<2	<2	6	<5	<3	48
L6SE 20NE	0.5	1.74	75	146	<3	0.45	0.2	7	40	195	2.93	0.01	0.43	86	6	0.02	15	0.05	22	<2	2	28	<5	<3	45
L6SEX 00	0.2	2.68	6	608	<3	0.40	0.2	13	27	207	2.79	0.01	0.91	648	3	0.04	28	0.07	36	<2	<2	39	<5	<3	84
L6SEX 1NE	0.1	1.84	<3	458	<3	0.24	0.1	10	22	85	2.05	0.03	0.57	536	1	0.03	17	0.03	28	<2	<2	26	<5	<3	77
L6SEX 2NE	0.6	2.52	8	546	<3	0.37	0.3	13	24	242	2.53	0.01	0.69	571	3	0.05	30	0.07	39	<2	<2	31	<5	<3	88
L6SEX 3NE	0.3	2.03	9	478	<3	0.31	0.2	12	27	647	2.38	0.05	0.77	274	2	0.04	25	0.04	30	<2	<2	28	<5	<3	73
L6SEX 4NE	0.3	2.29	<3	544	<3	0.32	0.1	10	20	1270	2.22	0.05	0.63	217	1	0.05	25	0.05	28	<2	<2	30	<5	<3	79
L6SEX 5NE	0.4	1.77	<3	454	<3	0.31	0.1	7	14	924	1.74	0.04	0.35	130	1	0.06	17	0.03	26	<2	<2	30	<5	<3	52
L6SEX 6NE	0.4	0.46	<3	154	<3	0.24	0.2	3	8	62	0.76	0.03	0.13	53	1	0.01	4	0.02	16	<2	2	25	<5	<3	28
L6SEX 7NE	0.5	0.20	<3	31	<3	0.08	0.2	4	5	11	0.78	0.01	0.05	106	<1	0.01	4	0.01	10	<2	2	9	<5	<3	27
L6SEX 8NE	1.1	2.50	8	494	<3	0.62	0.3	18	25	1282	2.33	0.01	0.54	1231	4	0.10	33	0.08	34	<2	<2	57	<5	<3	87
L6SEX 9NE	0.3	2.01	6	274	<3	0.24	0.1	11	24	573	2.00	0.01	0.57	421	1	0.04	22	0.05	24	<2	<2	28	<5	<3	59
L6SEX 10NE	0.4	1.05	<3	144	<3	0.15	0.1	6	11	137	1.35	0.01	0.23	108	<1	0.02	9	0.02	20	<2	<2	19	<5	<3	35
L6SEX 11NE	0.4	1.47	3	45	<3	0.06	0.2	6	20	41	1.94	0.04	0.33	59	1	0.01	9	0.02	18	<2	2	10	<5	<3	27
L6SEX 12NE	0.4	0.44	<3	17	<3	0.04	0.2	4	8	11	0.94	0.02	0.15	65	<1	0.01	6	0.01	13	<2	3	6	<5	<3	27
L6SEX 13NE	0.3	3.75	4	47	<3	0.05	0.1	10	33	69	3.34	0.07	0.57	118	4	0.01	19	0.14	29	<2	<2	7	<5	<3	46
L6SEX 14NE	1.6	0.65	4	38	<3	0.10	0.1	6	27	18	1.42	0.01	0.30	74	1	0.01	8	0.01	17	<2	3	10	<5	<3	27
L6SEX 15NE	0.1	1.13	<3	29	<3	0.06	0.1	4	16	23	1.57	0.04	0.22	67	1	0.01	6	0.06	19	<2	2	7	<5	<3	31
L6SEX 16NE	0.4	1.73	9	41	<3	0.06	0.2	8	33	60	2.48	0.01	0.51	106	3	0.01	15	0.08	22	<2	2	6	<5	<3	49
L6SEX 17NE	0.4	0.69	<3	48	<3	0.10	0.2	5	13	17	0.96	0.03	0.29	73	1	0.01	6	0.02	17	<2	3	11	<5	<3	36
L6SEX 18NE	0.5	1.81	8	45	3	0.07	0.1	10	29	36	2.69	0.07	0.54	112	6	0.01	14	0.12	28	<2	5	9	<5	<3	57
L6SEX 19NE	0.4	1.52	5	45	<3	0.09	0.1	8	21	34	2.23	0.06	0.46	131	3	0.01	13	0.06	25	<2	3	12	<5	<3	54
L6SEX 20NE	0.3	1.76	8	45	<3	0.07	0.2	8	20	54	2.43	0.07	0.47	116	6	0.01	14	0.05	24	<2	3	11	<5	<3	45
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L42E 7N	0.1	0.88	159	63	<3	0.03	0.2	2	5	27	2.61	0.08	0.08	34	4	0.02	6	0.05	24	<2	<2	50	<5	<3	13
L42E 8N	0.1	2.16	10	75	<3	0.06	0.2	5	22	34	2.25	0.07	0.50	151	2	0.01	11	0.08	34	<2	<2	13	<5	<3	71
L42E 9N	0.4	1.69	6	53	<3	0.08	0.1	11	24	200	2.13	0.07	0.62	117	3	0.01	17	0.05	25	<2	3	12	<5	<3	54
L42E 10N	0.2	0.61	<3	26	<3	0.04	0.1	4	9	18	1.15	0.04	0.15	66	1	0.01	5	0.01	15	<2	2	8	<5	<3	29
L42E 2S	0.1	0.55	<3	53	<3	0.03	0.2	4	10	24	1.03	0.03	0.18	60	1	0.01	6	0.01	13	<2	2	5	<5	<3	28
L42E 3S	0.2	1.35	5	46	<3	0.03	0.1	3	15	214	1.36	0.04	0.23	62	1	0.01	6	0.05	18	<2	<2	4	<5	<3	36
L44E 1N	0.2	0.65	<3	171	<3	0.13	0.2	4	7	351	0.94	0.05	0.16	130	1	0.01	6	0.01	18	<2	<2	42	<5	<3	51
L44E 3N	0.1	0.76	4	39	<3	0.03	0.1	4	9	42	1.44	0.04	0.08	52	2	0.01	6	0.02	18	<2	<2	7	<5	<3	25
L44E 4N	0.3	0.61	<3	129	<3	0.18	0.1	6	6	416	0.98	0.06	0.19	144	<1	0.01	6	0.02	15	<2	2	43	<5	<3	33
L44E 5N	0.2	0.29	<3	39	<3	0.04	0.1	3	3	14	0.75	0.02	0.06	51	<1	0.01	3	0.01	11	<2	2	7	<5	<3	25
L44E 6N	0.1	1.66	20	89	<3	0.04	0.2	6	28	153	3.91	0.12	0.33	87	6	0.01	12	0.09	31	<2	<2	10	<5	<3	35
L44E 7N	0.2	1.19	<3	56	<3	0.05	0.3	4	8	28	1.59	0.05	0.22	82	1	0.01	8	0.08	21	<2	<2	12	<5	<3	39
L44E 9N	0.2	1.74	7	52	<3	0.04	0.1	7	17	50	2.61	0.08	0.31	143	3	0.01	10	0.11	24	<2	<2	9	<5	<3	49
L44E 10N	0.2	2.45	7	63	<3	0.07	0.2	9	21	86	2.96	0.09	0.51	189	3	0.01	16	0.15	29	<2	<2	11	<5	<3	75
L44E 1S	0.1	0.94	17	115	<3	0.07	0.1	5	17	101	2.01	0.07	0.30	69	7	0.01	8	0.03	16	<2	<2	12	<5	<3	38
L44E 2S	0.1	0.49	<3	34	<3	0.02	0.2	3	7	11	0.84	0.02	0.14	51	<1	0.01	3	0.02	13	<2	<2	4	<5	<3	25
L44E 3S	0.2	0.69	<3	40	<3	0.03	0.1	3	15	27	1.28	0.04	0.16	56	<1	0.01	6	0.05	14	<2	<2	4	<5	<3	24
L46E 00	0.3	0.95	26	71	<3	0.04	0.1	5	16	136	2.28	0.07	0.28	78	12	0.01	9	0.02	18	<2	<2	8	<5	<3	43
L46E 1N	0.1	1.49	6	203	<3	0.09	0.1	11	11	648	1.88	0.07	0.34	210	8	0.01	16	0.02	23	<2	<2	23	<5	<3	86
L46E 3N	0.3	1.67	17	42	<3	0.02	0.2	4	12	107	2.66	0.08	0.31	101	3	0.01	8	0.09	30	<2	<2	6	<5	<3	37
L46E 4N	0.3	1.22	15	65	<3	0.06	0.1	4	9	82	2.04	0.07	0.27	80	4	0.01	18	0.06	22	<2	<2	21	<5	<3	23
L46E 5N	0.1	0.62	3	39	<3	0.02	0.1	1	3	30	2.48	0.07	0.05	11	7	0.01	5	0.03	15	<2	<2	22	<5	<3	7
L46E 6N	0.2	2.07	10	83	<3	0.06	0.2	10	12	175	3.50	0.11	0.58	139	7	0.01	17	0.09	41	<2	<2	18	<5	<3	59
L46E 7N	0.3	1.27	9	66	<3	0.10	0.1	15	16	21	1.86	0.07	0.34	177	1	0.01	17	0.12	31	<2	2	15	<5	<3	80
L46E 9N	0.2	1.86	14	87	<3	0.05	0.2	6	17	45	2.79	0.09	0.35	99	3	0.01	14	0.13	28	<2	2	18	<5	<3	55
L46E 10N	0.1	2.46	29	113	<3	0.15	0.2	31	25	145	3.85	0.14	0.91	348	11	0.02	31	0.04	37	<2	<2	47	<5	<3	117
L46E 1S	0.2	0.67	9	26	<3	0.02	0.1	4	12	51	1.31	0.04	0.20	61	4	0.01	6	0.01	15	<2	2	4	<5	<3	26
L46E 2S	0.2	1.04	4	46	<3	0.04	0.1	3	9	33	1.34	0.04	0.18	66	1	0.01	6	0.04	19	<2	<2	8	<5	<3	35
L46E 3S	0.1	0.68	<3	66	<3	0.06	0.2	3	14	32	1.20	0.04	0.16	47	1	0.01	5	0.02	14	<2	<2	9	<5	<3	16
L48E 00	0.2	1.03	47	57	<3	0.05	0.2	6	19	149	2.69	0.08	0.24	69	11	0.01	9	0.04	20	<2	2	12	<5	<3	40
L48E 1N	0.1	0.85	14	132	<3	0.05	0.1	6	14	200	1.76	0.06	0.22	83	11	0.01	7	0.02	18	<2	<2	13	<5	<3	48
L48E 2N	0.2	0.31	<3	65	<3	0.09	0.2	3	3	36	0.61	0.03	0.05	42	<1	0.01	2	0.01	14	<2	2	24	<5	<3	22
L48E 3N	0.1	0.54	11	123	<3	0.09	0.1	3	2	80	2.30	0.08	0.07	30	44	0.01	3	0.03	18	<2	<2	30	<5	<3	12
L48E 4N	0.2	1.68	15	68	<3	0.02	0.2	5	12	156	3.17	0.01	0.23	71	7	0.01	12	0.10	31	<2	<2	24	<5	<3	31
L48E 5N	0.1	1.42	6	92	<3	0.03	0.1	4	7	54	2.89	0.09	0.15	47	7	0.01	8	0.06	23	<2	<2	26	<5	<3	43
L48E 6N	0.2	1.22	9	84	<3	0.06	0.1	5	10	36	2.69	0.09	0.40	90	9	0.01	9	0.04	27	<2	<2	21	<5	<3	42
L48E 7N	0.3	1.98	15	135	3	0.03	0.2	7	30	64	4.70	0.14	0.43	108	7	0.02	17	0.06	33	<2	<2	18	<5	<3	33
L48E 8N	0.2	2.50	12	78	<3	0.05	0.1	8	23	80	3.37	0.10	0.42	130	5	0.01	15	0.14	33	<2	<2	17	<5	<3	52
L48E 9N	0.2	0.98	5	62	<3	0.06	0.2	4	10	30	1.85	0.06	0.19	63	2	0.01	7	0.03	22	<2	<2	19	<5	<3	30
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L48E 10N	0.3	2.55	27	279	<3	0.27	0.1	20	26	187	3.84	0.15	0.99	363	26	0.02	29	0.07	36	<2	<2	54	<5	<3	122
L48E 1S	0.4	1.27	42	80	<3	0.07	0.1	10	31	437	2.75	0.09	0.51	108	5	0.01	17	0.06	22	<2	<2	13	<5	<3	43
L48E 2S	0.3	0.67	5	148	<3	0.08	0.1	4	8	102	1.30	0.05	0.17	48	6	0.01	5	0.02	12	<2	<2	21	<5	<3	27
L48E 3S	0.3	0.77	5	33	<3	0.03	0.1	3	24	39	1.71	0.05	0.17	46	1	0.01	6	0.04	14	<2	<2	6	<5	<3	20
L50E 00	0.2	1.13	65	214	<3	0.15	0.2	14	16	870	2.81	0.10	0.25	286	28	0.01	18	0.05	24	<2	<2	32	<5	<3	76
L50E 1N	0.1	1.83	36	196	<3	0.13	0.2	11	25	324	3.07	0.11	0.36	132	24	0.01	15	0.05	25	<2	<2	26	<5	<3	54
L50E 2N	0.3	0.63	<3	83	<3	0.09	0.1	4	5	24	0.76	0.03	0.13	49	1	0.01	3	0.01	15	<2	<2	18	<5	<3	24
L50E 3N	0.1	0.94	4	145	<3	0.11	0.2	5	11	179	1.39	0.05	0.21	62	8	0.01	7	0.02	16	<2	<2	22	<5	<3	26
L50E 4N	0.2	1.21	9	182	<3	0.24	0.1	6	22	277	1.97	0.09	0.33	179	13	0.02	12	0.08	15	<2	<2	44	<5	<3	39
L50E 5N	0.2	1.59	13	70	<3	0.05	0.1	7	12	85	2.88	0.09	0.37	93	9	0.01	10	0.04	24	<2	<2	12	<5	<3	37
L50E 6N	0.1	1.21	<3	73	<3	0.03	0.2	4	12	29	2.46	0.07	0.43	103	4	0.01	9	0.05	20	<2	<2	19	<5	<3	34
L50E 8N	0.3	1.24	8	125	<3	0.08	0.1	8	16	68	2.44	0.08	0.37	124	4	0.01	13	0.03	21	<2	2	16	<5	<3	53
L50E 1S	0.1	0.70	27	34	<3	0.02	0.1	2	7	40	1.87	0.05	0.10	45	4	0.01	4	0.02	16	<2	<2	7	<5	<3	20
L50E 2S	0.4	0.38	<3	38	<3	0.03	0.2	3	5	31	0.98	0.03	0.04	43	1	0.01	2	0.01	13	<2	<2	9	<5	<3	14
L50E 3S	0.2	1.11	20	36	<3	0.02	0.1	5	12	143	1.91	0.06	0.28	71	2	0.01	10	0.03	17	<2	<2	5	<5	<3	24
L52E 00	0.3	1.42	<3	29	<3	0.04	0.1	6	15	39	1.59	0.05	0.36	84	1	0.01	10	0.05	19	<2	<2	5	<5	<3	28
L52E 1N	0.3	0.30	<3	10	<3	0.02	0.2	3	3	6	0.68	0.02	0.05	46	<1	0.01	2	0.01	11	<2	2	3	<5	<3	17
L52E 2N	0.2	1.34	7	52	<3	0.06	0.1	6	14	52	2.10	0.07	0.38	101	2	0.01	10	0.07	23	<2	<2	9	<5	<3	36
L52E 3N	0.3	0.42	<3	25	<3	0.03	0.1	3	5	8	0.75	0.02	0.10	45	1	0.01	3	0.01	11	<2	<2	6	<5	<3	20
L52E 4N	0.1	0.65	<3	36	<3	0.04	0.1	3	5	13	1.06	0.03	0.06	42	<1	0.01	2	0.02	11	<2	<2	14	<5	<3	16
L52E 5N	0.2	0.81	<3	38	<3	0.05	0.1	4	11	15	1.38	0.04	0.27	67	1	0.01	13	0.03	17	<2	<2	7	<5	<3	27
L52E 6N	0.1	1.73	9	45	<3	0.05	0.1	9	21	126	2.43	0.07	0.49	134	1	0.01	15	0.07	21	<2	<2	8	<5	<3	39
L52E 7N	0.3	1.10	4	82	<3	0.06	0.2	5	15	58	1.99	0.06	0.23	79	1	0.01	8	0.06	20	<2	<2	14	<5	<3	35
L52E 8N	0.2	0.82	5	42	<3	0.04	0.2	4	15	17	1.87	0.06	0.17	65	1	0.01	6	0.01	15	<2	<2	12	<5	<3	30
L52E 10N	0.3	1.05	<3	58	<3	0.05	0.1	4	16	26	1.75	0.06	0.21	65	1	0.01	6	0.02	20	<2	2	16	<5	<3	35
L52E 1S	0.3	0.57	8	22	<3	0.01	0.1	4	8	40	1.33	0.04	0.09	50	1	0.01	7	0.01	14	<2	<2	5	<5	<3	23
L52E 2S	0.3	0.64	<3	118	<3	0.07	0.2	3	5	48	0.98	0.04	0.09	43	3	0.01	2	0.02	14	<2	<2	16	<5	<3	26
L52E 3S	0.1	1.43	20	65	<3	0.03	0.1	8	17	463	3.13	0.09	0.36	103	2	0.01	20	0.05	19	<2	<2	5	<5	<3	40
L54E 00	0.2	0.18	<3	13	<3	0.02	0.2	2	2	9	0.48	0.01	0.04	35	<1	0.01	2	0.01	10	<2	2	3	<5	<3	12
L54E 1N	0.3	1.73	3	279	<3	0.18	0.1	10	16	239	1.84	0.08	0.50	209	5	0.01	14	0.06	25	<2	<2	30	<5	<3	47
L54E 2N	0.4	0.52	<3	117	<3	0.11	0.1	5	7	28	0.93	0.04	0.22	88	1	0.01	6	0.01	12	<2	2	18	<5	<3	32
L54E 3N	0.3	0.73	<3	85	<3	0.07	0.1	4	13	26	1.41	0.05	0.14	56	1	0.01	6	0.02	15	<2	<2	16	<5	<3	24
L54E 4N	0.2	1.59	24	47	<3	0.02	0.1	3	15	95	3.83	0.11	0.17	53	6	0.01	8	0.07	25	<2	<2	8	<5	<3	20
L54E 5N	0.3	0.97	<3	28	<3	0.03	0.2	3	9	15	1.31	0.04	0.18	66	1	0.01	5	0.04	18	<2	<2	4	<5	<3	28
L54E 6N	0.3	3.11	8	60	<3	0.09	0.3	16	34	94	3.27	0.11	1.12	169	2	0.01	21	0.12	31	<2	3	9	<5	<3	95
L54E 7N	0.3	1.12	20	52	3	0.04	0.1	8	14	34	3.79	0.11	0.33	132	2	0.01	13	0.04	25	<2	2	8	<5	<3	76
L54E 8N	0.2	1.27	11	82	<3	0.06	0.1	8	20	55	3.39	0.11	0.35	118	2	0.01	12	0.04	27	<2	2	15	<5	<3	67
L54E 9N	0.3	0.73	16	43	<3	0.07	0.2	9	47	78	3.49	0.11	0.22	69	2	0.01	14	0.03	21	<2	2	18	<5	<3	22
L54E 10N	0.2	1.25	3	95	<3	0.08	0.2	6	18	30	1.94	0.07	0.30	93	2	0.01	10	0.01	22	<2	<2	25	<5	<3	32
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

REPORT #: 890507 PA ALPINE EXPLORATION Proj: TASEKO Date In: 89/08/24 Date Out:89/09/01 Att: B OSBORNE

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L54E 1S	0.3	1.28	8	47	<3	0.03	0.1	6	24	37	2.16	0.06	0.49	95	1	0.01	14	0.05	24	<2	2	5	<5	<3	37
L54E 2S	0.1	0.41	<3	25	<3	0.02	0.1	2	4	4	0.68	0.02	0.08	42	<1	0.01	4	0.01	12	<2	<2	4	<5	<3	21
L54E 3S	0.2	1.55	<3	473	<3	0.75	0.1	6	17	115	1.52	0.16	0.25	447	4	0.03	6	0.14	21	<2	<2	109	<5	<3	47
L66E 00	0.1	2.36	40	48	<3	0.06	0.1	10	36	89	3.58	0.11	0.47	124	2	0.01	16	0.13	32	<2	<2	9	<5	<3	47
L66E 1N	0.1	1.28	<3	42	<3	0.03	0.1	6	23	58	2.09	0.05	0.28	80	<1	0.01	12	0.05	19	<2	<2	5	<5	<3	24
L66E 2N	0.2	1.74	3	47	<3	0.03	0.1	5	19	51	2.20	0.06	0.29	95	<1	0.01	11	0.11	21	<2	<2	5	<5	<3	39
L66E 3N	0.2	1.46	11	69	<3	0.04	0.1	9	19	82	2.92	0.09	0.45	150	1	0.01	14	0.08	24	<2	<2	8	<5	<3	46
L66E 4N	0.1	1.66	12	104	<3	0.03	0.2	12	14	101	3.31	0.09	0.50	169	4	0.01	16	0.05	28	<2	<2	8	<5	<3	89
L66E 5N	0.2	2.21	21	58	<3	0.02	0.2	6	17	123	4.12	0.12	0.55	128	4	0.01	14	0.11	28	<2	<2	9	<5	<3	44
L66E 6N	0.3	2.09	19	78	<3	0.02	0.3	10	21	592	5.17	0.14	0.62	140	8	0.01	17	0.09	37	<2	<2	6	<5	<3	72
L66E 7N	0.2	1.50	10	31	<3	0.04	0.1	9	37	67	3.34	0.09	0.25	133	1	0.01	13	0.09	25	<2	<2	6	<5	<3	43
L66E 8N	0.4	1.47	18	72	<3	0.19	0.1	18	44	97	3.39	0.12	0.73	299	4	0.02	21	0.08	28	<2	2	33	<5	<3	66
L66E 9N	0.1	1.62	25	63	<3	0.13	0.1	13	33	64	3.08	0.11	0.74	284	2	0.01	20	0.11	27	<2	<2	23	<5	<3	81
L66E 10N	0.2	1.81	20	67	<3	0.13	0.1	20	32	85	3.20	0.11	0.81	359	2	0.01	23	0.09	29	<2	<2	24	<5	<3	78
L66E 1S	0.2	1.41	21	98	<3	0.13	0.2	10	20	155	2.03	0.08	0.80	149	1	0.01	20	0.02	21	<2	<2	19	<5	<3	41
L66E 2S	0.1	0.72	<3	35	<3	0.06	0.2	4	12	25	1.33	0.04	0.33	77	<1	0.01	8	0.02	14	<2	<2	11	<5	<3	29
L70E 1N	0.2	2.01	6	146	<3	0.13	0.1	13	25	189	2.86	0.09	0.88	125	2	0.02	20	0.02	25	<2	2	42	<5	<3	35
L70E 2N	0.5	1.12	5	67	<3	0.04	0.1	8	14	132	2.19	0.06	0.31	89	1	0.01	11	0.02	20	<2	<2	13	<5	<3	23
L70E 3N	0.1	1.50	26	79	<3	0.03	0.1	3	9	65	3.01	0.09	0.43	115	8	0.01	9	0.09	26	<2	<2	20	<5	<3	23
L70E 4N	0.1	3.45	31	41	<3	0.02	0.2	10	12	515	4.12	0.12	0.72	185	2	0.01	18	0.19	29	<2	<2	5	<5	<3	43
L70E 5N	0.2	3.34	23	60	<3	0.06	0.1	20	18	503	4.07	0.12	0.98	212	1	0.01	36	0.13	31	<2	<2	8	<5	<3	55
L70E 6N	0.2	3.63	5	52	<3	0.05	0.2	9	18	856	3.73	0.11	0.68	161	2	0.01	16	0.18	35	<2	<2	9	<5	<3	54
L70E 7N	0.3	1.90	24	81	<3	0.19	0.1	19	29	117	3.51	0.13	0.98	433	4	0.02	26	0.09	34	<2	<2	32	<5	<3	90
L70E 8N	0.1	1.74	21	69	<3	0.14	0.1	16	32	95	3.34	0.11	0.87	274	4	0.02	21	0.08	33	<2	2	27	<5	<3	81
L70E 9N	0.2	1.50	11	59	<3	0.14	0.1	13	26	86	2.61	0.09	0.78	239	1	0.01	19	0.08	26	<2	<2	23	<5	<3	65
L70E 10N	0.4	2.32	26	100	3	0.27	0.1	26	32	135	3.87	0.16	1.21	485	8	0.02	31	0.09	39	<2	<2	44	<5	<3	113
L70E 1S	0.1	1.10	20	90	<3	0.09	0.2	10	26	151	2.05	0.08	0.49	151	1	0.01	16	0.02	20	<2	<2	29	<5	<3	40
L70E 2S	0.3	1.29	12	95	<3	0.12	0.2	9	23	75	2.05	0.08	0.68	121	1	0.01	14	0.02	20	<2	2	26	<5	<3	56
L74E 0N	0.2	1.83	8	47	<3	0.04	0.1	4	24	41	2.24	0.06	0.17	44	1	0.01	9	0.05	21	<2	<2	12	<5	<3	20
L74E 1N	0.3	2.02	17	60	<3	0.02	0.1	2	8	67	2.78	0.08	0.19	51	5	0.01	5	0.09	23	<2	<2	10	<5	<3	44
L74E 2N	0.3	1.19	49	57	<3	0.09	0.2	5	13	269	3.59	0.11	0.25	112	20	0.02	14	0.06	25	<2	<2	29	<5	<3	36
L74E 3N	0.1	1.88	12	42	<3	0.01	0.3	3	10	215	3.54	0.09	0.55	97	3	0.01	12	0.09	25	<2	<2	13	<5	<3	23
L74E 4N	0.3	1.48	14	88	<3	0.01	0.1	1	6	48	2.84	0.08	0.83	128	8	0.02	11	0.08	26	<2	<2	44	<5	<3	17
L74E 5N	0.2	1.79	<3	42	<3	0.02	0.1	2	8	31	2.53	0.06	0.28	69	3	0.02	11	0.09	21	<2	<2	9	<5	<3	24
L74E 6N	0.2	1.52	14	81	<3	0.22	0.1	20	29	101	3.25	0.13	0.80	426	3	0.02	21	0.09	28	<2	<2	44	<5	<3	74
L74E 7N	0.2	1.39	13	108	<3	0.25	0.3	16	28	101	2.79	0.11	0.80	307	5	0.02	19	0.09	27	<2	2	39	<5	<3	69
L74E 8N	0.3	1.66	<3	78	<3	0.22	0.1	19	28	117	3.24	0.12	0.91	395	3	0.02	21	0.09	31	<2	2	34	<5	<3	75
L74E 9N	0.2	1.66	17	82	<3	0.19	0.1	19	32	94	3.41	0.12	0.91	401	4	0.02	24	0.09	28	<2	2	27	<5	<3	98
L74E 10N	0.3	1.77	27	79	<3	0.21	0.1	20	27	118	3.35	0.12	0.91	423	4	0.02	23	0.09	32	<2	2	35	<5	<3	90
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L74E 1S	0.3	1.62	23	172	<3	0.21	0.1	28	30	410	2.96	0.12	0.58	532	4	0.02	26	0.04	27	<2	<2	68	<5	<3	69
L74E 2S	0.1	1.59	8	40	<3	0.07	0.2	7	24	94	2.58	0.08	0.31	95	4	0.01	12	0.12	19	<2	<2	11	<5	<3	44
L86E 8S	0.1	0.85	<3	41	<3	0.05	0.1	4	13	17	1.09	0.04	0.31	75	1	0.01	7	0.02	15	<2	<2	6	<5	<3	34
L86E 9S	0.2	1.00	<3	49	<3	0.05	0.1	5	17	18	1.45	0.05	0.39	87	<1	0.01	8	0.02	16	<2	<2	7	<5	<3	34
L86E 10S	0.2	1.22	5	70	<3	0.06	0.1	6	20	26	1.83	0.06	0.45	99	1	0.01	10	0.03	19	<2	<2	12	<5	<3	39
L86E 11S	0.3	1.78	59	65	<3	0.06	0.2	11	30	60	2.74	0.09	0.69	296	2	0.01	21	0.11	65	<2	<2	10	<5	<3	157
L86E 12S	0.1	2.15	11	64	<3	0.07	0.1	11	31	60	2.97	0.09	0.83	147	2	0.01	22	0.09	24	<2	<2	9	<5	<3	69
L86E 13S	0.1	0.98	<3	46	<3	0.04	0.1	5	17	26	1.45	0.04	0.38	74	<1	0.01	10	0.03	17	<2	<2	5	<5	<3	31
L86E 14S	0.2	0.85	<3	64	<3	0.06	0.2	3	12	49	1.28	0.04	0.14	46	2	0.01	5	0.02	16	<2	<2	18	<5	<3	35
L90E 8S	0.1	1.29	10	117	<3	0.10	0.1	10	32	75	2.87	0.10	0.81	147	4	0.01	19	0.03	16	<2	<2	14	<5	<3	41
L90E 9S	0.2	0.53	<3	45	<3	0.05	0.1	5	18	14	1.21	0.04	0.26	68	<1	0.01	8	0.01	11	<2	2	6	<5	<3	35
L90E 10S	0.1	1.71	13	66	<3	0.06	0.1	10	34	79	2.96	0.09	0.83	148	3	0.01	20	0.05	29	<2	<2	7	<5	<3	65
L90E 11S	0.3	1.06	9	154	<3	0.13	0.1	7	16	75	1.37	0.06	0.47	125	1	0.01	13	0.02	29	<2	<2	31	<5	<3	51
L90E 12S	0.2	1.50	<3	235	<3	0.15	0.1	8	20	102	1.75	0.07	0.69	185	1	0.01	16	0.02	19	<2	<2	38	<5	<3	47
L90E 13S	0.1	2.01	<3	378	<3	0.24	0.1	11	28	259	2.49	0.11	0.70	694	1	0.02	22	0.04	25	<2	<2	63	<5	<3	68
L90E 14S	0.2	1.93	6	55	<3	0.06	0.2	8	33	48	2.58	0.08	0.73	118	1	0.01	15	0.05	23	<2	<2	9	<5	<3	51
L94E 9S	0.1	1.70	3	65	<3	0.08	0.2	7	24	34	2.46	0.08	0.50	102	3	0.01	14	0.04	21	<2	<2	29	<5	<3	44
L94E 10S	0.3	0.96	4	52	<3	0.06	0.2	7	29	25	1.84	0.06	0.44	85	1	0.01	10	0.04	19	<2	2	10	<5	<3	40
L94E 11S	0.3	1.22	<3	209	<3	0.20	0.1	8	20	124	1.82	0.08	0.46	136	<1	0.01	11	0.02	21	<2	<2	38	<5	<3	55
L94E 12S	0.2	1.79	9	62	<3	0.06	0.1	11	38	98	2.99	0.09	0.96	152	4	0.01	21	0.03	24	<2	<2	9	<5	<3	52
L94E 13S	0.1	2.33	25	76	3	0.07	0.1	14	50	146	3.98	0.13	1.11	183	4	0.01	33	0.07	29	<2	<2	9	<5	<3	72
L94E 14S	0.1	1.43	<3	118	<3	0.13	0.2	7	22	84	1.64	0.07	0.67	113	<1	0.01	14	0.02	19	<2	<2	31	<5	<3	59
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST: JC Wong

REPORT #: 890499 PA   ALPINE EXPLORATION   Proj: TASEKO   Date In: 89/08/23   Date Out:89/08/31   Att: B OSBORNE

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L22E 00	0.2	0.78	14	79	<3	0.09	0.6	6	16	525	1.56	0.06	0.18	73	3	0.02	23	0.02	18	<2	<2	11	<5	<3	46
L22E 1N	0.4	1.32	16	157	<3	0.19	0.5	18	16	1109	1.92	0.08	0.34	292	2	0.02	50	0.03	27	<2	<2	24	<5	<3	88
L22E 2N	0.1	0.44	<3	70	<3	0.07	0.1	3	12	61	1.02	0.04	0.10	42	1	0.01	5	0.01	13	<2	<2	9	<5	<3	25
L22E 3N	0.3	1.19	9	177	<3	0.14	0.1	11	12	660	1.81	0.07	0.30	176	2	0.02	33	0.03	29	<2	2	19	<5	<3	83
L22E 4N	0.1	1.21	12	52	<3	0.05	0.3	7	35	110	2.37	0.07	0.34	90	2	0.01	13	0.05	21	<2	<2	6	<5	<3	25
L22E 5N	0.1	1.73	13	50	<3	0.07	0.3	7	27	62	2.63	0.08	0.31	96	3	0.01	11	0.07	24	<2	<2	8	<5	<3	51
L22E 1S	0.2	0.84	23	45	<3	0.03	0.3	7	43	170	2.75	0.90	0.23	66	5	0.01	16	0.01	18	<2	<2	5	<5	<3	33
L22E 2S	0.2	1.43	23	36	<3	0.04	0.3	6	25	108	2.22	0.07	0.23	69	3	0.01	10	0.05	22	<2	<2	7	<5	<3	44
L22E 3S	0.3	1.56	11	45	<3	0.06	0.5	9	25	97	2.51	0.08	0.42	100	4	0.01	12	0.08	28	<2	2	8	<5	<3	66
L22E 4S	0.2	0.97	8	34	<3	0.06	0.1	5	21	24	1.75	0.06	0.24	66	1	0.01	7	0.04	21	<2	<2	8	<5	<3	43
L22E 5S	0.4	1.85	3	69	<3	0.05	0.4	9	29	73	2.26	0.07	0.57	98	3	0.01	15	0.04	25	<2	<2	9	<5	<3	68
L22E 6S	0.3	1.33	<3	44	<3	0.06	0.7	8	28	44	2.17	0.07	0.40	113	1	0.01	10	0.05	25	<2	<2	7	<5	<3	56
L22E 7S	0.1	0.67	<3	114	<3	0.08	0.1	2	5	8	0.71	0.03	0.10	42	<1	0.01	3	0.01	13	<2	<2	10	<5	<3	29
L22E 8S	0.2	1.13	7	41	<3	0.05	0.1	6	27	41	1.69	0.05	0.25	66	1	0.01	8	0.03	16	<2	<2	6	<5	<3	25
L22E 9S	0.3	0.58	<3	33	<3	0.07	0.1	3	17	11	1.12	0.04	0.14	38	1	0.01	2	0.01	13	<2	<2	8	<5	<3	16
L22E10S	0.2	0.33	<3	39	<3	0.07	0.1	3	3	23	0.65	0.03	0.10	58	<1	0.01	3	0.01	13	<2	<2	12	<5	<3	35
L22E11S	0.2	0.62	<3	30	<3	0.03	0.1	3	16	10	1.20	0.04	0.08	34	1	0.01	2	0.01	16	<2	<2	6	<5	<3	18
L22E12S	0.3	1.30	7	47	<3	0.07	0.2	6	31	36	2.17	0.07	0.21	47	3	0.01	9	0.03	20	<2	<2	7	<5	<3	22
L22E13S	0.3	0.77	5	54	<3	0.13	0.2	6	21	27	1.58	0.06	0.33	76	4	0.01	7	0.01	18	<2	2	13	<5	<3	27
L22E14S	0.2	0.45	<3	24	<3	0.05	0.1	4	19	10	1.24	0.87	0.12	50	1	0.01	2	0.01	15	<2	<2	6	<5	<3	19
L26E 00	0.1	0.62	<3	47	<3	0.02	0.1	1	4	6	0.37	0.01	0.05	25	<1	0.01	7	0.01	16	<2	<2	3	<5	<3	15
L26E 1N	0.2	0.66	<3	62	<3	0.04	0.1	2	8	5	0.77	0.02	0.15	57	1	0.01	3	0.01	12	<2	<2	6	<5	<3	23
L26E 2N	0.3	0.35	<3	52	<3	0.06	0.1	4	5	60	1.03	0.04	0.11	61	1	0.01	5	0.01	16	<2	2	10	<5	<3	38
L26E 3N	0.4	0.78	4	41	<3	0.04	0.1	4	18	22	1.47	0.05	0.19	61	1	0.01	7	0.02	20	<2	<2	6	<5	<3	26
L26E 4N	0.2	1.15	7	51	<3	0.03	0.1	6	21	30	1.90	0.06	0.25	59	4	0.01	9	0.02	22	<2	<2	5	<5	<3	37
L26E 5N	0.3	1.14	8	62	<3	0.09	0.1	8	30	82	2.21	0.91	0.35	108	1	0.01	13	0.04	21	<2	<2	12	<5	<3	40
L26E 6N	0.2	1.11	5	46	<3	0.05	0.1	6	22	27	1.95	0.06	0.24	120	1	0.01	9	0.06	23	<2	<2	7	<5	<3	48
L26E 7N	0.1	0.77	3	72	<3	0.09	0.4	6	34	43	2.08	0.07	0.24	67	4	0.01	8	0.01	17	<2	<2	14	<5	<3	28
L26E 8N	0.3	2.68	21	227	<3	0.37	1.3	17	35	309	4.47	0.19	0.50	558	15	0.05	20	0.13	33	<2	<2	54	<5	<3	58
L26E 9N	0.1	2.05	16	122	<3	0.13	0.6	13	19	79	2.82	0.94	0.75	201	9	0.01	19	0.04	31	<2	<2	27	<5	<3	84
L26E 1S	0.3	1.06	18	140	<3	0.10	0.3	11	17	312	2.18	0.08	0.28	146	4	0.02	21	0.04	24	<2	<2	16	<5	<3	71
L26E 2S	0.4	3.26	33	274	<3	0.37	0.9	47	26	1203	2.83	0.14	0.50	494	4	0.03	123	0.07	34	<2	<2	58	<5	<3	141
L26E 3S	0.1	0.68	<3	32	<3	0.05	0.1	3	14	20	1.17	0.88	0.11	41	<1	0.01	5	0.02	15	<2	<2	8	<5	<3	20
L30E 1N	0.2	0.62	<3	74	<3	0.09	0.1	3	9	9	1.15	0.88	0.11	53	1	0.01	2	0.01	13	<2	<2	14	<5	<3	20
L30E 2N	0.2	0.66	<3	92	<3	0.18	0.1	4	7	37	0.88	0.89	0.15	66	2	0.01	2	0.01	17	<2	<2	28	<5	<3	23
L30E 3N	0.4	0.91	<3	155	<3	0.19	0.1	5	10	173	0.74	0.05	0.23	56	2	0.04	6	0.04	19	<2	2	30	<5	<3	22
L30E 4N	0.5	2.16	11	150	<3	0.30	0.8	10	28	366	3.07	0.13	0.33	378	11	0.08	13	0.09	30	<2	<2	44	<5	<3	48
L30E 5N	0.3	0.94	14	35	<3	0.04	0.3	6	26	47	2.13	0.06	0.25	65	4	0.01	8	0.03	20	<2	<2	6	<5	<3	28
L30E 6N	0.1	0.85	3	92	<3	0.07	0.6	6	13	84	1.22	0.04	0.37	75	3	0.01	9	0.01	16	<2	<2	11	<5	<3	30
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

> = Greater than M

REPORT #: 890499 PA

ALPINE EXPLORATION Proj: TASEKO Date In: 89/08/23 Date Out:89/08/31 Att: B OSBORNE

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
L30E 7N	0.2	1.35	17	60	<3	0.05	3.0	7	16	143	2.20	0.01	0.25	76	5	0.01	14	0.05	25	<2	<2	7	<5	<3	38
L30E 8N	0.1	1.46	19	70	<3	0.05	0.7	7	25	85	2.96	0.12	0.33	102	8	0.01	16	0.06	25	<2	<2	9	<5	<3	35
L30E 9N	0.1	1.52	17	48	<3	0.05	0.5	7	16	64	2.40	0.12	0.27	87	9	0.01	14	0.11	26	<2	<2	7	<5	<3	57
L30E 1S	0.2	0.72	11	95	<3	0.11	0.4	7	24	65	1.80	0.12	0.24	69	3	0.01	11	0.01	16	<2	<2	18	<5	<3	33
L30E 2S	0.2	0.51	<3	41	<3	0.05	0.3	4	10	17	1.00	0.01	0.11	49	2	0.01	4	0.01	14	<2	<2	8	<5	<3	22
L30E 3S	0.2	0.60	3	39	<3	0.04	0.1	4	13	17	1.14	0.01	0.09	41	1	0.01	4	0.01	14	<2	<2	8	<5	<3	17
L34E 00	0.3	1.80	17	36	<3	0.03	0.5	7	23	82	2.45	0.12	0.26	87	5	0.01	13	0.09	27	<2	<2	5	<5	<3	53
L34E 1N	0.1	1.33	18	71	<3	0.05	0.7	9	27	155	2.32	0.12	0.40	86	2	0.01	18	0.05	21	<2	<2	6	<5	<3	27
L34E 2N	0.3	0.27	<3	11	<3	0.03	0.1	3	3	10	0.60	0.11	0.05	46	<1	0.01	5	0.01	13	<2	2	4	<5	<3	21
L34E 3N	0.2	0.56	<3	39	<3	0.03	0.3	4	7	52	0.90	0.01	0.16	52	3	0.01	4	0.01	13	<2	<2	6	<5	<3	24
L34E 4N	0.2	0.79	15	55	<3	0.06	0.4	5	11	122	1.64	0.01	0.14	57	4	0.01	7	0.02	18	<2	<2	14	<5	<3	30
L34E 6N	0.2	1.09	8	45	<3	0.04	0.6	5	12	84	1.63	0.01	0.20	74	3	0.01	9	0.03	23	<2	<2	7	<5	<3	32
L34E 7N	0.3	1.16	9	57	<3	0.04	0.2	7	12	33	1.84	0.01	0.17	129	4	0.01	9	0.05	24	<2	<2	14	<5	<3	48
L34E 8N	0.1	0.91	9	110	<3	0.20	0.5	7	8	240	1.42	0.12	0.13	101	20	0.01	11	0.02	46	<2	<2	59	<5	<3	40
L34E 9N	0.3	0.88	<3	208	<3	0.45	0.4	5	7	556	0.98	0.12	0.17	177	2	0.05	6	0.06	25	<2	<2	104	<5	<3	35
L34E10N	0.2	1.85	8	165	<3	0.11	0.8	37	13	258	2.57	0.12	0.35	366	23	0.02	31	0.06	35	<2	<2	30	<5	<3	90
L34E 1S	0.1	1.04	8	50	<3	0.04	0.3	6	12	39	1.49	0.01	0.16	76	4	0.01	9	0.04	18	<2	<2	6	<5	<3	32
L34E 2S	0.1	1.58	16	45	<3	0.04	0.7	6	25	119	2.49	0.12	0.25	88	5	0.01	12	0.10	20	<2	<2	6	<5	<3	38
L34E 3S	0.2	1.14	8	102	<3	0.07	0.5	8	29	96	2.06	0.01	0.44	127	2	0.01	15	0.01	17	<2	<2	12	<5	<3	35
L38E 00	0.1	0.94	9	107	<3	0.04	0.3	4	13	39	1.24	0.11	0.17	53	1	0.01	9	0.02	17	<2	<2	8	<5	<3	31
L38E 2N	0.2	1.34	25	45	<3	0.04	0.6	6	18	278	2.11	0.01	0.24	80	3	0.01	19	0.04	22	<2	<2	6	<5	<3	36
L38E 3N	0.2	1.11	22	46	<3	0.04	0.6	6	18	119	2.21	0.12	0.28	81	5	0.01	11	0.02	23	<2	<2	8	<5	<3	46
L38E 4N	0.2	1.06	13	129	<3	0.11	0.6	8	23	97	2.30	0.12	0.36	82	11	0.01	13	0.01	19	<2	<2	23	<5	<3	32
L38E 5N	0.1	1.37	8	235	<3	0.24	0.6	10	15	402	1.71	0.12	0.47	238	6	0.01	17	0.03	19	<2	<2	46	<5	<3	63
L38E 8N	0.2	0.52	7	49	<3	0.03	0.1	2	4	15	0.98	0.11	0.09	44	3	0.01	4	0.02	23	<2	<2	14	<5	<3	23
L38E 9N	0.2	3.25	12	124	<3	0.06	1.1	10	41	109	3.05	0.12	1.31	191	4	0.01	25	0.09	33	<2	<2	15	<5	<3	67
L38E 1S	0.1	1.47	44	139	<3	0.09	1.2	10	34	272	3.93	0.13	0.34	91	16	0.01	16	0.07	32	<2	<2	24	<5	<3	49
L38E 2S	0.2	0.36	<3	34	<3	0.03	0.3	3	4	19	0.78	0.11	0.05	51	<1	0.01	4	0.01	11	<2	2	6	<5	<3	22
L38E 3S	0.1	0.35	<3	26	<3	0.03	0.1	2	6	10	0.67	0.11	0.03	29	<1	0.01	4	0.01	10	<2	<2	6	<5	<3	15
L40E 1N	0.2	0.36	<3	37	<3	0.09	0.1	3	3	23	0.73	0.11	0.07	38	<1	0.01	3	0.01	14	<2	2	21	<5	<3	21
L40E 2N	0.1	0.92	11	46	<3	0.04	0.5	5	11	61	1.66	0.12	0.25	65	5	0.01	9	0.02	19	<2	<2	10	<5	<3	33
L40E 3N	0.1	1.47	33	67	<3	0.05	0.8	10	27	212	2.98	0.12	0.37	93	6	0.01	18	0.04	26	<2	<2	15	<5	<3	40
L40E 4N	0.2	0.99	6	46	<3	0.05	0.7	6	14	52	1.70	0.12	0.25	124	1	0.01	9	0.07	17	<2	<2	8	<5	<3	44
L40E 5N	0.2	1.22	17	71	<3	0.04	0.8	7	15	87	2.27	0.12	0.28	93	3	0.01	11	0.04	23	<2	<2	10	<5	<3	34
L40E 8N	0.1	1.92	17	68	<3	0.05	0.6	7	14	97	2.08	0.01	0.49	126	4	0.01	15	0.05	33	<2	<2	13	<5	<3	40
L40E 9N	0.3	2.29	14	48	<3	0.06	1.2	12	30	103	2.79	0.12	0.98	229	3	0.01	20	0.10	41	<2	2	8	<5	<3	77
L40E10N	0.2	0.97	4	23	<3	0.04	0.7	4	4	13	1.03	0.11	0.17	110	<1	0.01	4	0.08	14	<2	2	6	<5	<3	32
L40E 1S	0.1	1.23	11	58	<3	0.04	1.7	5	16	34	1.87	0.12	0.29	69	3	0.01	10	0.06	18	<2	<2	6	<5	<3	26
L42E 00	0.1	0.29	<3	53	<3	0.05	0.5	3	3	11	0.60	0.11	0.08	43	<1	0.01	3	0.01	11	<2	2	12	<5	<3	25
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890480 PA   ALPINE EXPL   Proj: Date In: 89/08/21   Date Out:89/08/24   Att: B OSBORNE

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L 6E 00	0.2	2.08	13	48	<3	0.06	5.8	7	19	67	2.32	0.08	0.25	87	3	0.01	19	0.09	30	<2	2	10	<5	<3	75
L 6E 1N	0.1	1.14	9	99	<3	0.17	3.0	8	13	72	1.64	0.07	0.45	128	5	0.01	15	0.05	21	<2	2	25	<5	<3	64
L 6E 2N	0.2	1.49	9	35	<3	0.05	0.1	7	19	52	1.68	0.06	0.33	95	1	0.01	9	0.06	27	<2	<2	9	<5	<3	43
L 6E 3N	0.1	0.94	3	49	<3	0.06	0.1	5	6	80	0.85	0.03	0.26	69	2	0.01	7	0.01	17	<2	<2	9	<5	<3	23
L 6E 4N	0.1	1.85	9	37	<3	0.08	0.1	7	26	57	2.65	0.09	0.26	80	2	0.01	12	0.13	28	<2	<2	9	<5	<3	44
L 6E 5N	0.2	1.68	21	100	<3	0.12	0.3	23	33	212	2.83	0.10	0.60	266	3	0.02	31	0.05	26	<2	<2	31	<5	<3	54
L 6E 1S	0.3	2.02	8	299	<3	0.42	0.1	61	16	144	2.46	0.15	0.47	1158	9	0.02	22	0.06	44	<2	2	136	<5	<3	84
L 6E 2S	0.1	1.63	43	98	<3	0.06	0.3	7	16	101	4.69	0.15	0.21	100	10	0.02	13	0.10	30	<2	2	14	<5	<3	47
L 6E 3S	0.2	1.77	23	42	<3	0.03	0.1	6	16	171	3.49	0.11	0.20	195	11	0.01	13	0.14	30	<2	2	8	<5	<3	45
L 6E 4S	0.1	2.05	11	123	<3	0.03	0.4	6	14	146	3.05	0.10	0.20	62	9	0.02	14	0.07	27	<2	<2	28	<5	<3	29
L 6E 5S	0.1	2.58	<3	63	<3	0.08	0.1	13	11	131	2.56	0.09	0.45	104	3	0.01	20	0.03	22	<2	<2	12	<5	<3	40
L 6E 7S	0.3	1.50	60	22	<3	0.02	0.9	4	15	142	5.19	0.16	0.12	50	12	0.02	8	0.10	31	<2	3	7	<5	<3	26
L 6E 8S	0.1	1.64	<3	26	<3	0.03	0.1	5	5	34	1.35	0.04	0.13	124	<1	0.01	5	0.04	19	<2	<2	6	<5	<3	39
L 6E 9S	0.3	1.66	22	41	<3	0.04	0.4	5	14	102	2.37	0.08	0.19	89	6	0.01	10	0.07	30	<2	<2	8	<5	<3	37
L 6E 10S	0.1	1.68	72	70	<3	0.06	0.4	6	17	130	3.35	0.11	0.20	90	8	0.01	12	0.09	34	<2	<2	13	<5	<3	57
L 6E 11S	0.2	1.50	30	46	<3	0.06	0.1	8	24	148	2.50	0.08	0.26	114	3	0.01	12	0.05	26	<2	2	9	<5	<3	42
L 6E 12S	0.3	1.43	3	45	<3	0.09	0.8	8	11	97	1.57	0.06	0.29	91	3	0.01	12	0.04	35	<2	2	12	<5	<3	59
L10E 00	0.1	3.04	12	73	<3	0.08	0.8	9	24	186	2.65	0.09	0.28	72	4	0.01	24	0.05	22	<2	<2	20	<5	<3	43
L10E 1N	0.1	1.86	23	58	<3	0.08	1.6	12	26	155	3.28	0.11	0.38	110	5	0.01	19	0.08	25	<2	<2	18	<5	<3	49
L10E 2N	0.1	1.27	9	46	<3	0.08	0.6	7	16	69	2.26	0.08	0.31	96	3	0.01	12	0.04	23	<2	2	16	<5	<3	56
L10E 3N	0.2	1.44	55	29	3	0.02	0.4	4	19	229	7.03	0.22	0.12	71	17	0.02	15	0.16	31	<2	2	6	<5	<3	27
L10E 4N	0.1	1.35	22	41	<3	0.02	0.2	5	23	201	6.11	0.19	0.07	56	9	0.02	33	0.04	25	<2	2	13	<5	<3	20
L10E 5N	0.1	1.33	13	36	<3	0.02	0.1	4	16	167	3.22	0.10	0.23	99	5	0.01	11	0.08	24	<2	<2	6	<5	<3	35
L10E 6N	0.1	2.06	<3	69	<3	0.02	0.1	4	9	40	1.97	0.06	0.29	61	4	0.01	12	0.11	21	<2	<2	6	<5	<3	32
L10E 7N	0.1	2.16	6	47	<3	0.08	0.1	9	17	45	2.57	0.09	0.35	120	3	0.01	16	0.14	21	<2	<2	11	<5	<3	71
L10E 1S	0.3	2.05	14	47	<3	0.06	0.3	10	18	93	2.38	0.08	0.27	97	3	0.01	19	0.09	26	<2	<2	14	<5	<3	45
L10E 2S	0.2	1.61	10	44	<3	0.04	0.3	8	20	87	2.41	0.08	0.24	77	5	0.01	16	0.06	23	<2	<2	8	<5	<3	45
L10E 3S	0.2	1.45	10	47	<3	0.04	0.5	9	28	198	2.50	0.08	0.26	87	5	0.01	17	0.06	23	<2	<2	8	<5	<3	36
L10E 4S	0.1	2.10	12	136	<3	0.02	0.5	3	10	245	4.52	0.14	0.13	53	18	0.02	11	0.19	25	<2	<2	28	<5	<3	35
L10E 5S	0.1	1.69	26	51	<3	0.02	1.2	4	16	361	5.31	0.16	0.15	56	17	0.02	9	0.13	31	<2	2	8	<5	<3	38
L10E 6S	0.2	1.16	13	89	<3	0.01	0.7	2	8	111	3.67	0.11	0.05	30	33	0.02	8	0.09	23	<2	<2	31	<5	<3	33
L10E 7S	0.2	1.33	18	30	<3	0.01	0.8	1	14	103	4.90	0.15	0.04	19	151	0.02	11	0.10	24	<2	<2	11	<5	<3	32
L14E 00	0.1	1.66	64	86	<3	0.03	0.4	4	24	103	4.00	0.13	0.20	66	12	0.02	11	0.10	32	<2	<2	15	<5	<3	40
L14E 1N	0.1	1.86	32	48	<3	0.03	0.6	8	27	240	3.61	0.11	0.26	79	7	0.01	18	0.09	27	<2	<2	10	<5	<3	44
L14E 2N	0.3	1.02	16	62	<3	0.07	0.2	6	20	366	2.31	0.08	0.33	75	7	0.01	12	0.04	20	<2	<2	31	<5	<3	48
L14E 3N	0.1	1.18	42	48	<3	0.05	0.5	10	27	326	3.02	0.10	0.23	81	7	0.01	18	0.07	20	<2	<2	6	<5	<3	52
L14E 4N	0.2	0.96	17	35	<3	0.04	0.2	6	15	141	2.06	0.07	0.19	74	5	0.01	10	0.06	18	<2	<2	7	<5	<3	51
L14E 5N	0.1	0.55	<3	22	<3	0.03	0.1	3	11	39	1.27	0.04	0.08	39	2	0.01	6	0.01	13	<2	<2	10	<5	<3	33
L14E 6N	0.1	0.51	<3	50	<3	0.09	0.1	3	3	655	0.44	0.02	0.09	34	<1	0.02	6	0.03	13	<2	<2	33	<5	<3	40
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

= Le Minim = Insu Samp = No s > = Gr han M AuFA assay/

REPORT #: 890499 PA ALPINE EXPLORATION Proj: TASEKO Date In: 89/08/23 Date Out:89/08/31 Att: B OSBORNE

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
L42E 2N	0.1	0.84	16	31	<3	0.03	0.8	5	17	119	1.68	0.05	0.20	60	<1	0.01	10	0.03	16	<2	<2	6	<5	<3	26
L42E 2S	0.1	0.52	<3	178	<3	0.16	0.1	5	5	54	0.78	0.04	0.13	89	<1	0.01	4	0.01	11	<2	<2	33	<5	<3	31
L44E 00	0.3	3.17	60	779	<3	0.47	0.7	30	19	2570	3.65	0.19	0.45	796	13	0.07	38	0.08	41	<2	<2	130	<5	<3	103
L44E 2N	0.2	1.38	20	60	<3	0.06	0.1	10	40	225	3.39	0.10	0.35	124	2	0.01	17	0.08	21	<2	<2	9	<5	<3	31
L44E 8N	0.1	2.42	14	181	<3	0.08	0.2	7	21	80	3.51	0.11	0.55	128	5	0.02	16	0.16	30	<2	<2	31	<5	<3	47
L46E 2N	0.2	1.50	10	71	<3	0.04	0.1	10	21	253	2.45	0.07	0.37	97	1	0.01	17	0.04	22	<2	<2	8	<5	<3	42
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L14E 7N	0.2	2.25	20	59	<3	0.11	0.4	11	23	127	2.85	0.10	0.38	94	4	0.01	17	0.07	28	<2	<2	22	<5	<3	47
L14E 1S	0.1	1.86	55	68	<3	0.04	0.1	8	20	287	3.42	0.11	0.30	93	9	0.02	22	0.13	30	<2	<2	15	<5	<3	28
L14E 2S	0.1	1.61	142	145	<3	0.02	0.1	5	18	197	3.90	0.12	0.15	82	10	0.02	14	0.13	27	<2	<2	29	<5	<3	23
L14E 3S	0.3	0.94	10	28	<3	0.03	0.1	4	12	115	2.24	0.07	0.14	60	8	0.01	9	0.05	18	<2	2	9	<5	<3	19
L14E 4S	0.1	1.13	58	49	<3	0.02	0.3	3	11	230	4.62	0.14	0.10	64	21	0.02	10	0.12	31	<2	<2	19	<5	<3	28
L14E 5S	0.1	1.68	16	81	<3	0.07	0.1	10	16	146	2.65	0.09	0.28	93	7	0.01	21	0.07	21	<2	<2	13	<5	<3	33
L14E 6S	0.1	1.62	14	33	<3	0.01	0.1	3	12	176	3.50	0.11	0.12	46	17	0.01	11	0.08	25	<2	<2	7	<5	<3	17
L14E 7S	2.2	1.23	10	16	<3	0.01	0.1	4	7	157	3.14	0.10	0.13	74	21	0.01	7	0.04	20	<2	2	4	<5	<3	29
L16E 00	0.3	0.84	8	51	<3	0.07	0.1	7	10	65	1.58	0.06	0.12	121	1	0.01	10	0.05	18	<2	2	11	<5	<3	33
L16E 1N	0.3	1.24	47	92	<3	0.04	0.1	7	12	270	2.07	0.07	0.14	120	7	0.01	10	0.06	24	<2	<2	9	<5	<3	35
L16E 2N	0.1	0.68	20	78	<3	0.05	0.1	7	8	79	2.05	0.07	0.09	73	6	0.01	11	0.04	16	<2	<2	9	<5	<3	26
L16E 3N	0.2	1.63	21	43	<3	0.04	0.1	8	20	204	2.98	0.09	0.28	131	8	0.02	13	0.11	28	<2	<2	6	<5	<3	61
L16E 4N	0.2	2.50	49	67	<3	0.03	0.1	7	21	237	3.12	0.10	0.19	85	9	0.02	14	0.15	36	<2	<2	7	<5	<3	49
L16E 5N	0.2	2.12	13	66	<3	0.07	0.1	10	21	73	2.58	0.09	0.39	113	3	0.01	16	0.08	24	<2	<2	13	<5	<3	57
L16E 6N	0.3	1.03	<3	40	<3	0.11	0.1	6	15	17	1.44	0.06	0.28	120	<1	0.01	8	0.04	20	<2	2	14	<5	<3	49
L16E 7N	0.1	2.03	41	30	<3	0.04	0.1	9	34	232	2.75	0.09	0.31	90	3	0.01	17	0.08	24	<2	<2	6	<5	<3	28
L16E 1S	0.2	1.33	29	35	<3	0.05	0.1	8	29	167	2.53	0.08	0.25	71	5	0.01	17	0.05	22	<2	<2	9	<5	<3	35
L16E 2S	0.3	1.65	46	23	3	0.07	0.8	12	68	413	6.16	0.20	0.35	100	10	0.02	21	0.11	38	<2	3	14	<5	<3	34
L16E 3S	0.1	1.40	12	39	<3	0.04	0.1	6	17	103	2.34	0.08	0.23	79	4	0.01	12	0.04	24	<2	<2	11	<5	<3	26
L16E 4S	0.2	2.09	17	36	<3	0.06	0.2	9	27	286	2.95	0.10	0.33	88	7	0.01	21	0.06	26	<2	2	9	<5	<3	28
L16E 5S	0.1	0.78	28	17	<3	0.02	0.2	3	12	142	3.94	0.12	0.08	49	20	0.02	17	0.06	23	<2	2	3	<5	<3	15
L16E 6S	0.6	1.30	24	30	<3	0.01	0.8	3	13	220	5.80	0.18	0.09	52	46	0.02	17	0.08	27	<2	2	5	<5	<3	16
L16E 7S	0.3	1.13	10	39	<3	0.03	0.2	3	9	689	3.38	0.11	0.27	116	11	0.01	9	0.07	21	<2	2	7	<5	<3	20
L18E 00	0.2	2.11	19	73	<3	0.10	0.2	12	24	186	2.83	0.10	0.55	163	4	0.01	20	0.12	32	<2	2	14	<5	<3	90
L18E 1N	0.1	1.71	40	64	<3	0.05	0.1	11	27	289	2.91	0.09	0.29	100	6	0.01	17	0.08	27	<2	<2	8	<5	<3	53
L18E 2N	0.2	1.38	27	55	<3	0.09	0.3	17	26	192	2.83	0.10	0.27	129	4	0.01	20	0.11	25	<2	<2	14	<5	<3	73
L18E 3N	0.2	1.58	71	74	<3	0.06	0.2	33	33	548	3.84	0.13	0.33	260	9	0.02	32	0.09	32	<2	<2	9	<5	<3	46
L18E 4N	0.1	0.92	50	111	<3	0.16	0.1	8	22	231	2.84	0.11	0.25	134	7	0.01	17	0.05	22	<2	<2	24	<5	<3	34
L18E 5N	0.1	1.13	15	48	<3	0.05	0.1	7	22	54	2.18	0.07	0.19	95	3	0.01	12	0.05	21	<2	<2	9	<5	<3	44
L18E 1S	0.3	1.62	11	34	<3	0.04	0.1	9	18	79	2.22	0.07	0.33	118	3	0.01	12	0.14	26	<2	2	7	<5	<3	65
L18E 2S	0.2	1.66	29	41	<3	0.03	0.1	6	30	99	2.41	0.08	0.21	63	2	0.01	13	0.05	23	<2	<2	6	<5	<3	40
L18E 3S	0.1	1.67	14	50	<3	0.06	0.1	7	29	68	2.29	0.08	0.37	105	2	0.01	14	0.06	22	<2	<2	9	<5	<3	37
L18E 4S	0.3	0.94	<3	42	<3	0.06	0.1	5	7	19	1.14	0.04	0.13	60	<1	0.01	5	0.06	16	<2	2	10	<5	<3	28
L18E 5S	0.3	1.35	8	32	<3	0.03	0.1	6	12	508	1.86	0.06	0.15	92	5	0.01	9	0.08	22	<2	<2	5	<5	<3	24
L18E 6S	0.3	1.18	<3	49	<3	0.08	0.1	5	8	43	1.27	0.05	0.17	64	1	0.01	7	0.04	20	<2	2	12	<5	<3	20
L18E 7S	0.2	0.46	<3	24	<3	0.04	0.1	5	8	16	0.81	0.03	0.17	63	<1	0.01	7	0.01	14	<2	3	6	<5	<3	22
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

Rock Sample Results

Sample #	Cu(%)	Au(ppb)
W089-32	0.11	60
W089-34	0.16	60
W089-36	0.26	100
W089-37	0.06	240
W089-39	0.26	250
W089-44	0.53	1000
W089-47	0.08	100
W089-48	0.12	20
W089-52	0.001	20
W089-54	0.12	200
W089-56	0.07	50
W089-57	0.01	nd
W089-59	0.99	880
W089-61	7.05	0.302 oz/t
W089-62	6.53	4600
W089-63	1.05	840
W089-64	6.74	9200
W089-65	0.82	750
W089-66	2.62	4200
W089-67	0.94	1210
W089-68	0.18	590
W089-69	0.15	670
W089-70	1.30	2150
W089-71	0.26	340
W089-72	0.57	1100
W089-73	0.24	1190
W089-74	0.45	1500
W089-75	0.73	170
W089-76	0.07	90
W089-77	0.18	140
W089-78	0.96	1510
89TR-480	0.02	10
89TR-481	0.01	100
89TR-482	0.001	270
89TR-503	0.001	20
89TR-504	0.11	440
89TR-505	0.05	60
89TR-506	0.01	30
89TR-507	0.08	80
89TR-508	0.18	190
89TR-509	0.64	450
89TR-510	0.24	110
89TR-511	0.70	660
89TR-512	0.31	360
89TR-513	0.14	360
89TR-514	0.21	230
89TR-515	0.05	160
89ZQA-1	1.37	2000
89ZQA-2	0.19	460

WESTPINE METALS LTD.

SOIL & ROCK GEOCHEMISTRY-WEST

Date: Nov. 1989 | Scale 1:2,400 | FIGURE: 4

Rock Sample Results

Sample #	Cu(%)	Au(ppb)
89TR-500	0.01	20
89TR-501	0.001	40
89TR-502	0.001	70
89 Buz-1	0.25	370
89 Buz-2	0.09	230
89 Buz-3	0.66	270
89 Buz-4	0.48	240
89SBuz-5	0.70	40

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,350

WESTPINE METALS LTD.

SOIL & ROCK
GEOCHEMISTRY-EAST

Date: Nov., 1989 | Scale: 1:3,300 | FIGURE: 5