WESTPINE METALS LTD.

Vancouver, B.C.

1990 DIAMOND DRILLING PROGRAM

of the

TASEKO PROPERTY

Clinton Mining Division, B.C.

NTS 920/3W

Latitude 51°05', Longitude 123°24'W

by

ELLEN LAMBERT, M.Sc., FGAC

January 28, 1991

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 232 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, south to Taseko Lakes, then east along Taseko River.

History - Gold was discovered at the Taylor-Windfall mine in the 1920's. The area in and around the Taseko Property was actively explore 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. From 1988 to 1989, Alpine Exploration Corporation, Westley Mines Limited and Westpine Metals Ltd. compiled all previous data and implemented a new phase of geochemical, prospecting and drilling exploration programs. In 1990, Westpine entered into an option agreement with ASARCO Exploration Company of Canada Limited. Exploration continued during the summer with funding from ASARCO.

Property Geology - The property occurs along an east-west contact between Cretaceous-age felsic intrusives of the Coast Plutonic Complex to the south and intense hydrothermally altered rocks occurring in a zone up to 3 km in width to the north. A thick sequence of volcanic strata belonging to the Kingsvale Group occurs north of the alteration zone.

Mineralization - Three major mineral showings occur on the property: the Empress Showing, where copper-gold mineralization occurs with disseminated chalcopyrite, pyrite, magnetite, pyrrhotite and molybdenite in altered quartz-andalusite-pyrophyllite rocks adjacent the Coast Range batholith; and the Buzzer and Rowbottom Showings where chalcopyrite and molybdenite occur disseminated and as sulphide-filled vugs within the batholith. Within the Empress Showing, three copper-gold mineralized zones have been defined: the upper and lower North Zones, and the 76 Zone.

1990 Program and Results - Diamond drilling comprised the 1990 exploration program. 11,490 feet (3503 m) of drilling were completed in nineteen holes. The best drill intersection occurs in hole 90-17 which returned 180 ft (54.7 m) of 1.41% Cu and 0.054 oz/ton Au, and included 48 ft (14.6 m) of 2.27% Cu and 0.105 oz/ton Au. Preliminary calculations on the lower North Zone estimate a grade over 5 million tons of >1% Cu + Au.

Recommendations - Recommendations include continuing step-out drilling from the three defined zones in the Empress Showing, and conducting preliminary drilling over magnetic anomalies recently delineated from an airborne magnetometer survey.

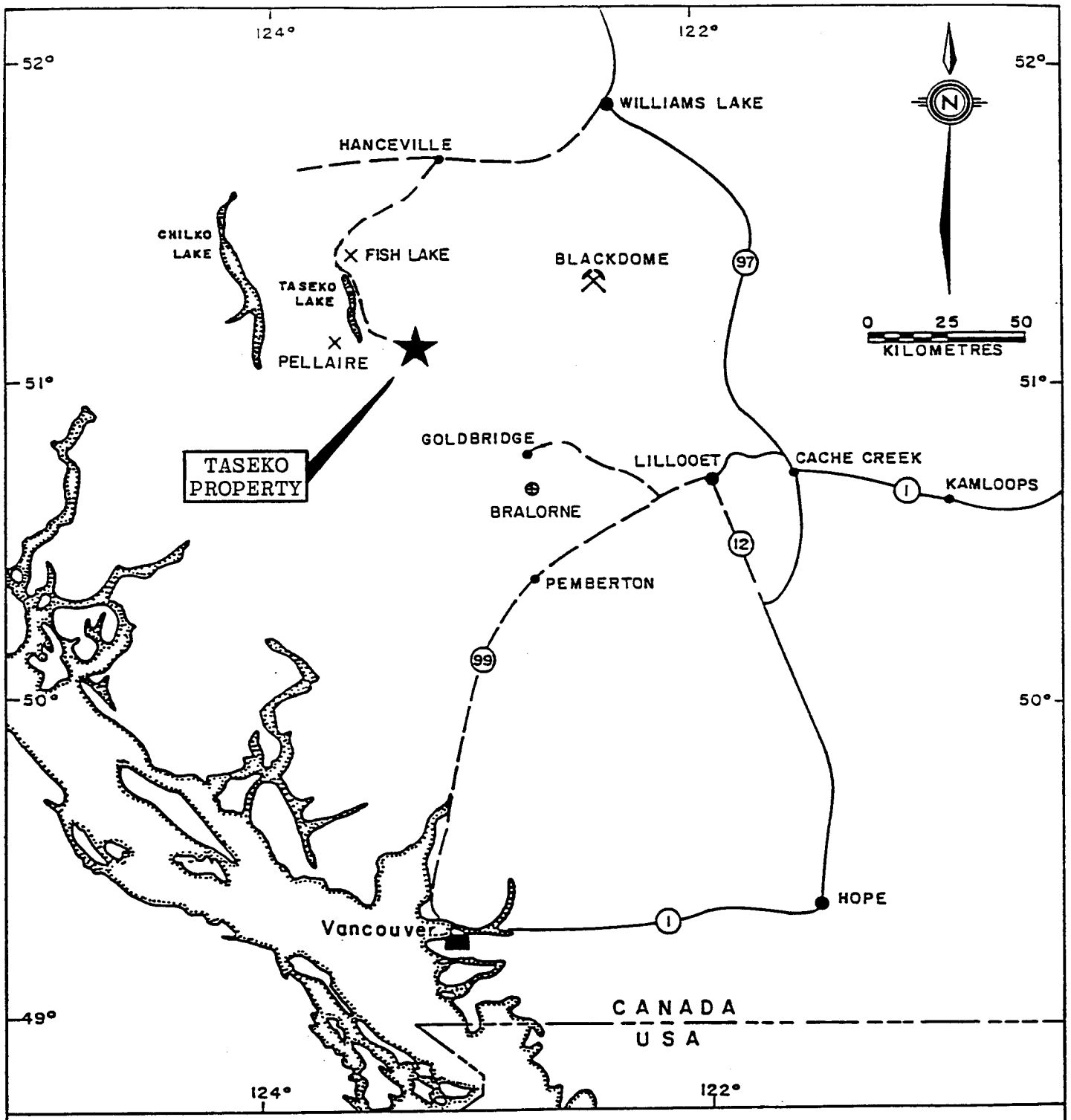
INTRODUCTION

The author was engaged by Alpine Exploration Corporation from June 28 to September 14, 1990, to supervise a diamond drilling program on the Taseko Property. The program consisted of 11,490 ft (3503 m) in 19 drill holes, 17 on the Empress Showing and 2 west of Granite Creek. The author logged and sampled core during the 10-week program, and this report describes the drilling results. Notable references pertaining to 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, 1989a,b).

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 the southern end of Upper Taseko Lake along the Taseko River, at 51°05' latitude and 123°24' west longitude, NTS Map 92O/3W and 4E.

Access - The property can be reached by road from Williams Lake (270 km) or by helicopter from Gold Bridge (48 km), Pemberton (100 km), Lillooet (120 km) or Williams Lake (215 km). Road access from Williams Lake follows Route 20 west to Hanceville on paved road, turns southwesterly onto dirt roads to the Taseko Lakes, then heads southeasterly along the Taseko River to the claim area. Four-wheel drive vehicles are necessary for sections of the road south of Hanceville, and approximate travel time from Williams Lake is 6 hours. 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 in the vicinity of Granite Creek by a 4WD truck during low water levels, but it is risky when water level rises during spring runoff and after major rain storms. A second crossing exists near Battlement Creek and is the preferred crossing during high water. The property contains a network of old mining roads in various stages of overgrowth which provides easy access to trenches, drill sites, and other mineralized showings in the area.

Physiography - Physiography in 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 4900' (1500 m) in the valley to 7700' (2350 m) at ridge crests. At lower elevations the terrain is covered by widely spaced lodgepole pine trees, with balsam fir and white pine occurring at higher elevations. Glacial cover consists of morainal deposits that appear to be relatively thin but extensive (typical depth is 3-8 m). Rock exposures are scarce and generally confined to creeks and steep slopes.



× MINERAL OCCURRENCE

⊕ PAST PRODUCER

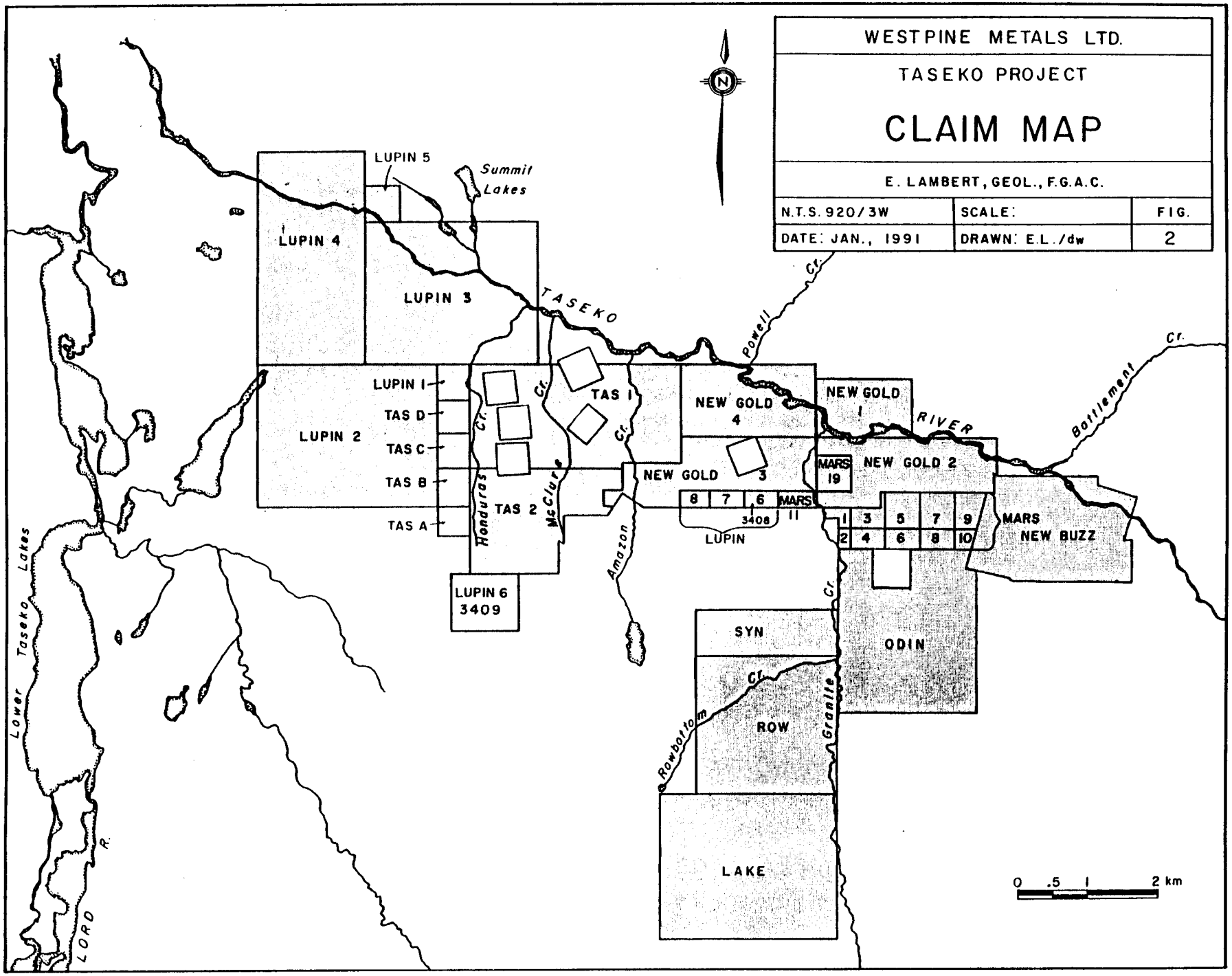
⚒ PRODUCER

WESTPINE METALS LTD.		
LOCATION MAP AND MINERAL DEPOSITS		
E.E.LAMBERT, P.GEOL.		
N.T.S. 92O/3W	SCALE: 1:1,852,000	FIG.
DATE: JANUARY 1991	DRAWN: E.L./dw	1

CLAIMS INFORMATION

The property is comprised of 15 four-post and 22 two-post mineral claims totalling 232 units held by Westpine Metals Ltd., 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
Row	16	3030	Aug. 30, 1994
Syn	8	2809	Nov. 4, 1993
Lake	20	3420	Aug. 11, 1994
Odin	20	3395	Jul. 13, 1994
Tas 1	18	3295	May 23, 1994
Tas 2	15	3296	May 23, 1994
Tas A	1	3377	May 23, 1994
Tas B	1	3378	May 23, 1994
Tas C	1	3379	May 23, 1994
Tas D	1	3380	May 23, 1994
Lupin 1	1	3403	Jul. 27, 1994
Lupin 2	20	3404	Jul. 29, 1994
Lupin 3	20	3405	Jul. 28, 1994
Lupin 4	18	3406	Jul. 28, 1994
Lupin 5	1	3407	Jul. 28, 1994
Lupin 6	1	3408	Jul. 29, 1994
Lupin 6	4	3409	Jul. 31, 1994
Lupin 7	1	3410	Jul. 29, 1994
Lupin 8	1	3411	Jul. 29, 1994


WESTPINE METALS LTD.
TASEKO PROJECT
CLAIM MAP
E. LAMBERT, GEOL., F.G.A.C.
N.T.S. 920/3W
SCALE:
FIG. 2
DATE: JAN., 1991
DRAWN: E.L./dw
LUPIN 5
Summit Lakes
LUPIN 4
LUPIN 3
TASEKO
Powell Cr.
Battlement Cr.
LUPIN 1
TAS D
TAS C
TAS B
TAS A
LUPIN 2
TAS 1
TAS 2
Honduras Cr.
McClure Cr.
Amazon Cr.
NEW GOLD 4
NEW GOLD 1
NEW GOLD 3
NEW GOLD 2
RIVER
MARS 19
MARS 11
8 7 6
3408
LUPIN
1 3 5 7 9
2 4 6 8 10
MARS
NEW BUZZ
LUPIN 6
3409
SYN
ODIN
Granite Cr.
Rowbottom Cr.
ROW
LAKE
Lower Taseko Lakes
LORD R.
0 .5 1 2 km

PROPERTY HISTORY

1910's-1920's - Between 1909 and 1920, many large, bog-iron deposits were discovered by prospectors in the Taseko Lakes 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 current 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). Cominco drove a cross-cut in 1928 on the Mohawk Showing. 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 1933-1935 on the Mohawk and Spokane Showings. Work was halted after an avalanche destroyed the exploration camp and killed 7 men. No further significant work was performed in the area until 1956 when Canadian Explorations Ltd. conducted additional trenching and preliminary drilling on the Spokane Showing, as well 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 during that field season. In March 1989, Westley Mines and AlpineExploration vended their interest in the Taseko Property to Westpine

Metals Ltd., and Westpine conducted further geochemical sampling and diamond drilling that summer.

1990's - Westpine entered into an option agreement in the spring of 1990 with ASARCO Exploration Company of Canada Ltd., a wholly owned Canadian subsidiary of ASARCO Inc. (a major U.S.-based, international mining company). Funding for the 1990 exploration program was provided by ASARCO under the terms of the option agreement.

REGIONAL GEOLOGIC SETTING AND MINERALIZATION

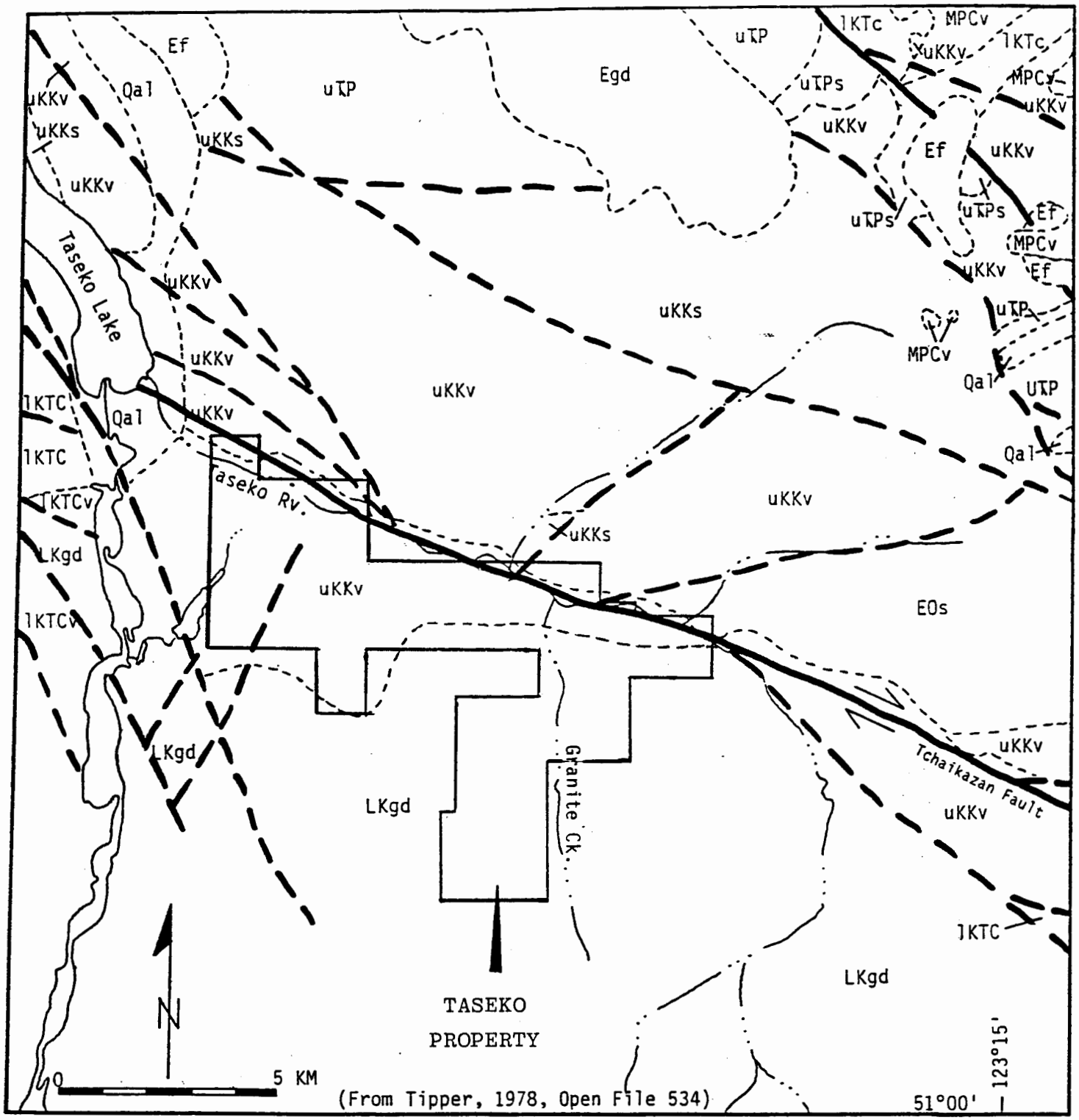
Regional Geology

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, which outcrop 8 km north of the property. Overlying the Cadwallader Group are shales, siltstones, conglomerates, intermediate to mafic flows and pyroclastics of the lower Cretaceous Taylor Creek Group. These rock units are exposed roughly 8 km to the north, east and west of the property. Triassic to lower Cretaceous strata are tightly folded in NW trending folds.

Gently folded upper Cretaceous volcaniclastic sandstones, tuffs and breccias that correlate with the Kingsvale volcanics unconformably overlie the older, deformed strata, and are the predominant units both within and bordering the property to the north, east and west. The volcanic rocks are divided into 5 members (Glover and Schiarizza, 1986). Facies changes along northwest trending normal or strike-slip faults suggest that this volcanic and sedimentary activity 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, occurring 10 km northeast of the property.

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 Complex and adjacent volcanic-volcaniclastic units. These units occupy the entire southern portion of the area surrounding the property.



Qal	Quaternary Sediments
MPCv	Miocene-Pliocene Chilcotin Gp. Volcanics
EOs	Eocene-Oligocene Sheba Group Volcanics
Ef	Eocene Felsic Intrusives
Egd	Eocene Granodiorite
uKKs, uKKv	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
— —	Fault
-----	Geologic Contact

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TASEKO PROPERTY		
REGIONAL GEOLOGY		
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DATE: 1/91	N.T.S.920/3W	3

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

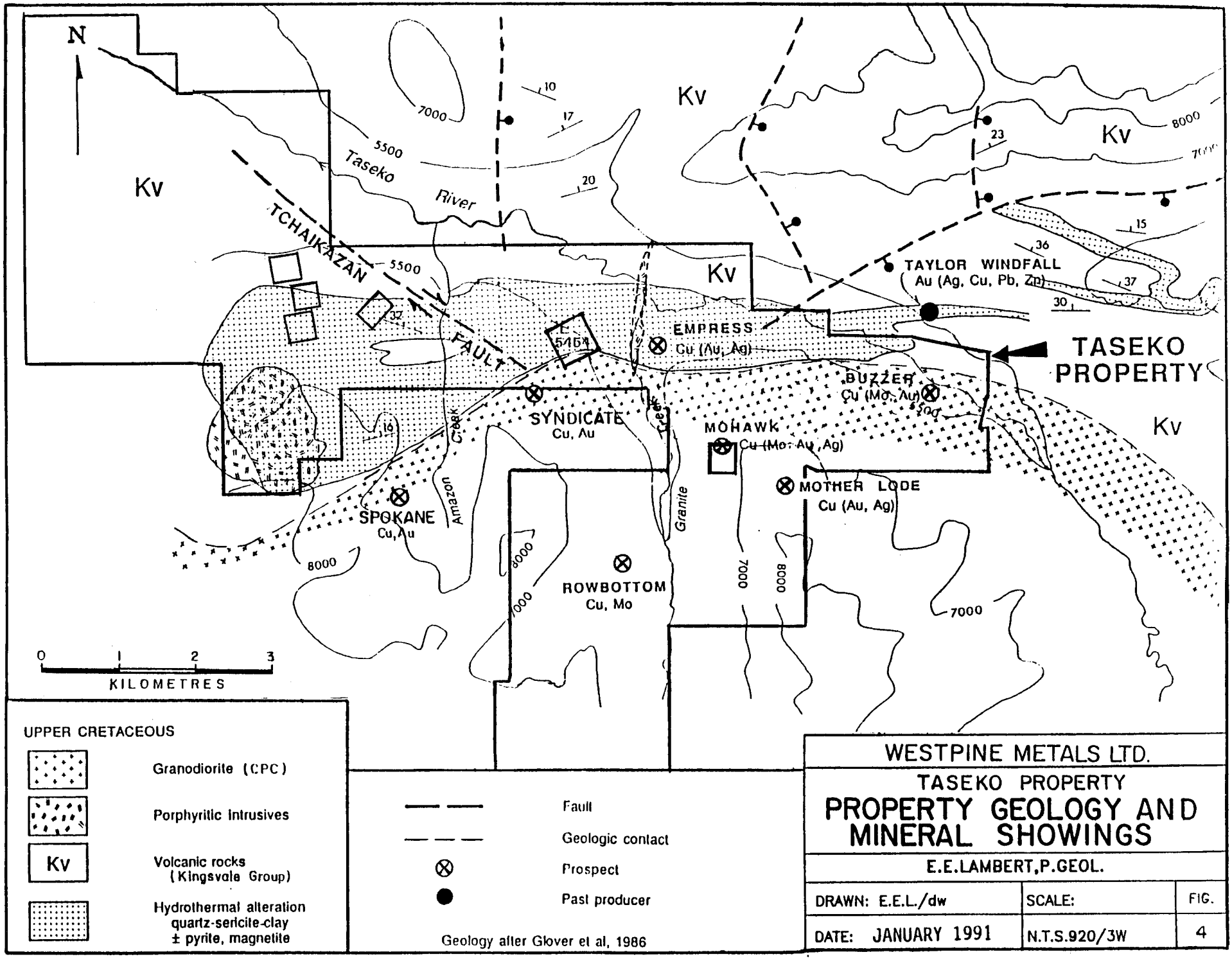
In the immediate area of the Taseko Property, mineral occurrences are numerous (Figure 4). A cross-section through all the occurrences has been suggested by Turner (1988) to represent vertical zonation within a late Cretaceous, magmatic-hydrothermal system: deep level mineralization occurs in the batholith to the south with higher levels of mineralization occurring to the north within volcanic rocks.

PROPERTY GEOLOGY

General Geologic Picture

The Taseko Property and surrounding area has been mapped in detail by a number of company and government geologists (see References). Because of an extensive blanket of glacial till covering most areas below treeline, outcrops are sparse and geologic mapping has been confined to exposures in creeks. A wealth of information, however, exists in diamond drill core which totals 23,652' (7211 m) to date, 19,394' of which has been drilled during the last three years. Detailed geological relationships as described in the remainder of this report are based entirely on drill-core studies.

The property consists of Upper Cretaceous volcanic strata (probably correlative with the Kingsvale Group) intruded on the south by Late Cretaceous quartz diorite of the Coast Plutonic Complex (Figure 4; Glover and Schiarizza, 1986). The contact between the intrusive and volcanic rock is not exposed but is inferred from drilling to trend roughly east-west across the property, south of Taseko River. An intense and extensive alteration zone up to a width of 3 km occurs adjacent to the northern perimeter of the batholith and can be traced from 500 m west of Honduras Creek to Big Creek, 10 km to the east (P. Schiarizza, personal comm.). Beyond the alteration zone to the north, volcanic strata is exposed in prominent cliffs and consists of massive to porphyritic andesite flows, pyroclastics and conglomerates (McMillan, 1976; Melnyk, 1986). Strata trend NE to NW and dip between 15-35° north. Breccia pipes, as well as dikes and stocks that post-date the batholith and alteration, occur locally.


N
Kv
Taseko River
TCHAIKAZAN FAULT
5500
7000
8000
10
17
20
23
15
36
37
30
32
16
TAYLOR WINDFALL
Au (Ag, Cu, Pb, Zn)
EMPRESS
Cu (Au, Ag)
TASEKO PROPERTY
BUZZER
Cu (Mo, Au)
SYNDICATE
Cu, Au
MOHAWK
Cu (Mo, Au, Ag)
MOTHER LODE
Cu (Au, Ag)
SPOKANE
Cu, Au
ROWBOTTOM
Cu, Mo
Amazon Creek
Granite Creek
0 1 2 3
KILOMETRES
UPPER CRETACEOUS
Granodiorite (CPC)
Porphyritic Intrusives
Volcanic rocks (Kingsvale Group)
Hydrothermal alteration quartz-sericite-clay ± pyrite, magnetite
Fault
Geologic contact
Prospect
Past producer
Geology after Glover et al, 1986
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TASEKO PROPERTY
PROPERTY GEOLOGY AND MINERAL SHOWINGS
E.E.LAMBERT,P.GEOL.
DRAWN: E.E.L./dw
SCALE:
FIG. 4
DATE: JANUARY 1991
N.T.S.920/3W

Rock Types

Rock types of the Taseko Property can be divided into four basic categories: intrusive rocks belonging to the Coast Plutonic Complex, mafic to intermediate flows and pyroclastics occurring north of the batholith, intensely altered rocks between the above two units, and younger dikes and stocks cutting all three.

(1) **Plutonic Rock** - dominant lithologies of the Coast Plutonic Complex include equigranular and porphyritic quartz diorite, quartz monzonite and granodiorite. Local breccia pipes occur and consist of altered intrusive fragments supported by either an aphanitic matrix or a chlorite-magnetite-pyrite ± chalcopyrite matrix.

Four kinds of intrusive phases were observed in drill core from the Empress Showing. A description of each follows:

(A) Quartz Diorite: Depth to the quartz diorite varies from near surface to over 700'. It consists of euhedral, bluish plagioclase (5 mm long), black subhedral biotite and interstitial quartz. This unit is both fresh and variably clay altered, and it is common to go in and out of the two types. Xenoliths of altered lithologies have been recognized, and sulphides are uncommon but, where present, tend to occur within the first foot of the contact.

(B) Andesite: dark green, fine grained andesite (or basalt) dikes cross-cut altered lithologies and quartz diorite. They have chilled margins and porphyritic textures at their centres. Contacts are either sharp (usually with dips from 30-45°) or fault bounded.

(C) Feldspar (-Quartz) Porphyry: dikes consisting of white to pinkish feldspar phenocrysts and local quartz eyes and biotite within a very fine grained, light-coloured groundmass cross-cut altered rocks. Xenoliths of altered rocks with or without disseminated chalcopyrite have been seen in this unit, as well as rare pyrite veinlets. Local strong clay alteration has taken place along shear zones, and quartz-calcite veinlets are common. Contacts with enveloping units are either sharp or fault bounded, with dips ranging from 0-40°, usually 20-30°, although field and drilling evidence suggest the dikes are steeply dipping (see Figures 7 and 9).

(D) Aplite: medium grained aplite, consisting of an intimate mixture of quartz and plagioclase, occurs as rare, narrow dikes cross-cutting altered lithologies. Textures within the aplite can be graphic, equigranular or porphyritic. Minor pyrite, chalcopyrite and magnetite, as well as xenoliths of altered rocks, have been observed. Contacts are either sharp or fault bounded and dip from 0-90°.

(2) **Volcanic Rock** - no outcrops of unaltered volcanic units occur in the Empress area of the property, however good exposures occur to the west along Amazon and Honduras Creeks and further west to Taseko Lakes as well as north of Taseko River on Battlement Ridge. Dominant lithologies consist of lapilli tuffs, tuff-breccias and porphyritic andesite to dacite flows. Tuffaceous sediments and conglomerates occur.

Extensive and pervasive silicification, aluminosilicate and argillic alteration has occurred along the contact between plutonic and volcanic assemblages on the property. A detailed description of these rocks appears under the "Alteration" section.

(3) **Dikes and Stock** - a variety of intrusive rocks cuts all of the above units and includes andesite, quartz-eye and feldspar porphyry, quartz diorite, rhyolite, latite, and aplite. Dike trends closely match those of prominent joint sets in the area: NW-SE and NE-SW (Nakashima, 1970; Uchida et al., 1970).

Structure

Determination of structural elements on the property is limited as a result of poor exposure and is based on evidence seen in drill core. Two types of evidence for fault structures were observed:

(1) Solid core displaying pronounced brecciated textures healed by silica, hematite or magnetite; faint mylonitic textures were also observed. At least three episodes of brecciation and rehealing were noted in some intervals;

(2) Gouge plus breccia, where brecciated rock fragments are supported by a matrix of clay, or core recovery is poor with only small rounded rock fragments being recovered.

Both types are common and indicate a complex and pervasive structural history for the area. Present interpretation of these structures is that type (1) breccias represent pre- or syn-alteration fault zones or breccia pipes, whereas type (2) gouge and broken-up core represent more recent, post-alteration faults. In many cases, fault zones of type (1) are themselves crosscut by those of type (2).

In addition to major faulting, additional episodes of fracturing and recementing has taken place, the fractures being filled with one or more of the following minerals: quartz, pyrite, chalcopyrite, magnetite, hematite, chlorite, calcite, gypsum and clay.

Other structural features seen in core include sharp contacts between rock units and evidence of mineralogical banding. Local banding has been observed in all of the altered lithologies. Dip angles range from 10-60°, with 45° being the most common. Sharp contacts between rock units are rare, but where

present are usually subparallel to nearby banding. The most consistent contact occurs between altered lithologies and quartz diorite, and in nearly all cases is a sharp contact dipping 45°. Three dimensional modelling indicates this contact dips north-northeasterly, which is in accordance with bedding attitudes of volcanic strata in the region.

A regional evaluation of spatial relationships between Taseko-area mineral occurrences and major structural elements suggests a district-scale fracture pattern is genetically associated with mineralization. Mineral occurrences are aligned along a northeasterly trend as indicated by the Empress Showing - East Zone -Breccia Zone grouping, and the Rowbottom - Mohawk - Buzzer - Taylor Windfall grouping, both of which follow a 060° trend (see Figure 4).

PROPERTY ALTERATION

A large portion of the Taseko Property covers the 3 km wide alteration zone north of the batholith (see Figure 4). Rocks within this zone have undergone pervasive silicification, argillic and aluminosilicate alteration and have been so completely altered that determination of original lithologies is in most places impossible. In drill core, the degree of alteration, types of mineral assemblages and proportions of these minerals to each other varies greatly, often over short distances (sometimes only tens of centimetres), which results in a very complex suite of rock types. For this reason most units have been divided and labelled according to the dominant minerals present rather than by protolith.

Typical alteration minerals include quartz, pyrophyllite, andalusite, plagioclase, clay, chlorite, magnetite, hematite, and more rarely corundum, dumortierite(?), tourmaline, rutile, sericite, and apatite. Gypsum, quartz, calcite and white or green clay are common as fracture fillings.

Sufficient drilling has been completed within the Empress Showing that some degree of control has been established as to the spatial relationships of the various types of alteration. The picture that emerges is that of a layered sequence of altered lithologies underlain by a relatively fresh, quartz diorite intrusive, all of which have been cross-cut by younger dikes (see Figures 7-10). The layered sequence, although highly altered and complex, has been broken down into four main units based on relatively consistent mineralogy from hole to hole. The following is a description of these units from shallowest to deepest:

(1) **QAS**[1]: QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK; this unit typically occurs within the top 350' (106 m) of the surface. It is characterized by an equigranular texture consisting of $\leq$1 mm size grains of these three minerals. Pyrite is disseminated throughout the unit, ranging from a few percent to 15%, typically 5-10%. Additional minerals in QAS include finely disseminated magnetite, clots of chlorite, specks of clay, pyrrhotite dendrites (locally to 10%), minor disseminated chalcopyrite, and gypsum veining (locally abundant). Boulders of this unit are found on the surface as float and are recognized by a yellow-brown gossan stain and granular texture. In drill core, QAS can locally look like an altered intrusive (interlocking grains with an equigranular or porphyritic texture), or an altered volcanic rock (banding defined mainly by zones of magnetite). One 1990 drill hole located west of Granite Creek intersected a relatively fresh mafic lapilli-tuff that contained a narrow alteration zone with a texture and mineralogy closely matching QAS. It is believed that at least part of the QAS unit in the Empress Showing is altered mafic tuff.

(2) **PSA**: PLAGIOCLASE-PYROPHYLLITE-ANDALUSITE ROCK; this unit is also easy to drill, except where highly broken. It appears to be an alteration zone within QAS. It occurs within the top 350' (106 m) and is intimately mixed with QAS. Rocks of this unit are the most complex mineralogically of any on the property, and further subdivision may be possible only after a thorough study. It is presumed at this point that the complexity is a result of faulting of the QAS unit which helped control additional alteration from subsequent hydrothermal activity. Simply put, the mineralogy of PSA consists of plagioclase (which can be coloured white, green or pink) and other associated minerals that appear to have intruded along fractures in QAS, resulting in a variety of highly complex textures. The associated minerals include pyrophyllite, andalusite, magnetite, quartz, chlorite, carbonate, corundum, clay (commonly an alteration product of plagioclase), pyrite, chalcopyrite and molybdenite.

(3) **QR**: QUARTZ ROCK; this unit is much harder to drill as compared to the above units, and routinely occurs from 350 to 550' (106-167 m) below the surface. QR is also found as irregular blebs and narrow lenses within QAS and PSA (becoming more abundant near the contact with massive QR), and as massive sections near the tops of some holes (Figures 9 and 10). It typically contains over 90% quartz with the remaining 10% being comprised of one or more of the following minerals: interstitial pyrophyllite, clay, magnetite,

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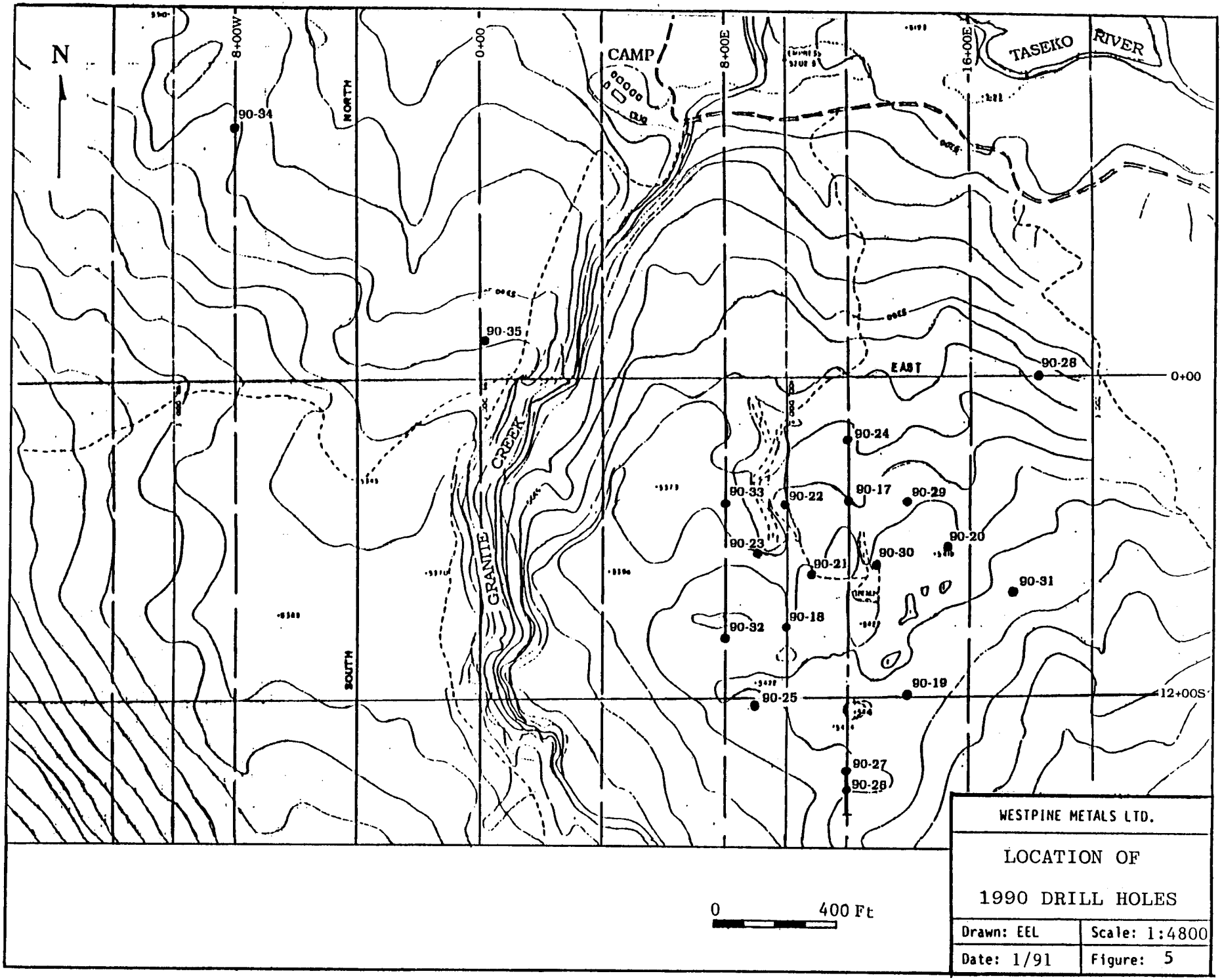
[1]Note: S for sericite is used instead of P for pyrophyllite to avoid confusion with plagioclase. It appears that most of the greenish white mica present as an alteration product on this property is pyrophyllite instead of sericite, although some sericite has been found.

chlorite, carbonate, rutile, sphene or sulphides (pyrite ± chalcopyrite). The quartz in QR frequently occurs as coarse, granular grains with a texture resembling quartzite, but is presently thought to represent intense silicification. Although QR commonly contains up to 98% quartz, several different textures have been recognized and indicate a complex protolith. The quartz itself varies in grain size (from cryptocrystalline to 1 mm), colour (white, light grey, dark grey and various shades of brown), and texture (equigranular, brecciated, or intrusive [e.g. white, granular quartz cross-cuts brown, cryptocrystalline quartz]). Rare breccia fragments were observed that exhibited textures resembling flow banded rhyolite, welded tuff, or mylonite.

(4) QM: QUARTZ-MAGNETITE ROCK, commonly with associated chlorite; this unit generally occurs from 550' (168 m) to 600 or 700' (183-214 m) in depth, and, like QR, is hard to drill. Determination of the contact with the above unit is somewhat arbitrary and is generally taken as the point where the volume of magnetite significantly increases, usually a change from 1 or 2% to ≥10% (even though it locally decreases back to a few percent below this point). Magnetite can become nearly massive, reaching 50-75% by volume but is more typically 10-20% and found disseminated or in fractures. Intervals on the order of tens of feet of brecciated QR healed by a magnetite matrix are common.

QM is usually the last, highly altered unit of the sequence before "fresh" quartz diorite is intersected. In some holes, however, a narrow layer of QAS, PSA or QR can occur below QM and above quartz diorite.

In addition to these altered units, pockets containing coarse-grained minerals were intersected during drilling and are believed to be vugs. The most common mineral assemblages include white quartz (often as terminated crystals), plagioclase, calcite, chlorite, magnetite, pyrite and chalcopyrite. Other, more rare, minerals include molybdenite, apatite and bastnaesite (a mineral identified by x-ray analysis which contains the rare-earth elements lanthanum and cerium). Some minerals await positive identification.

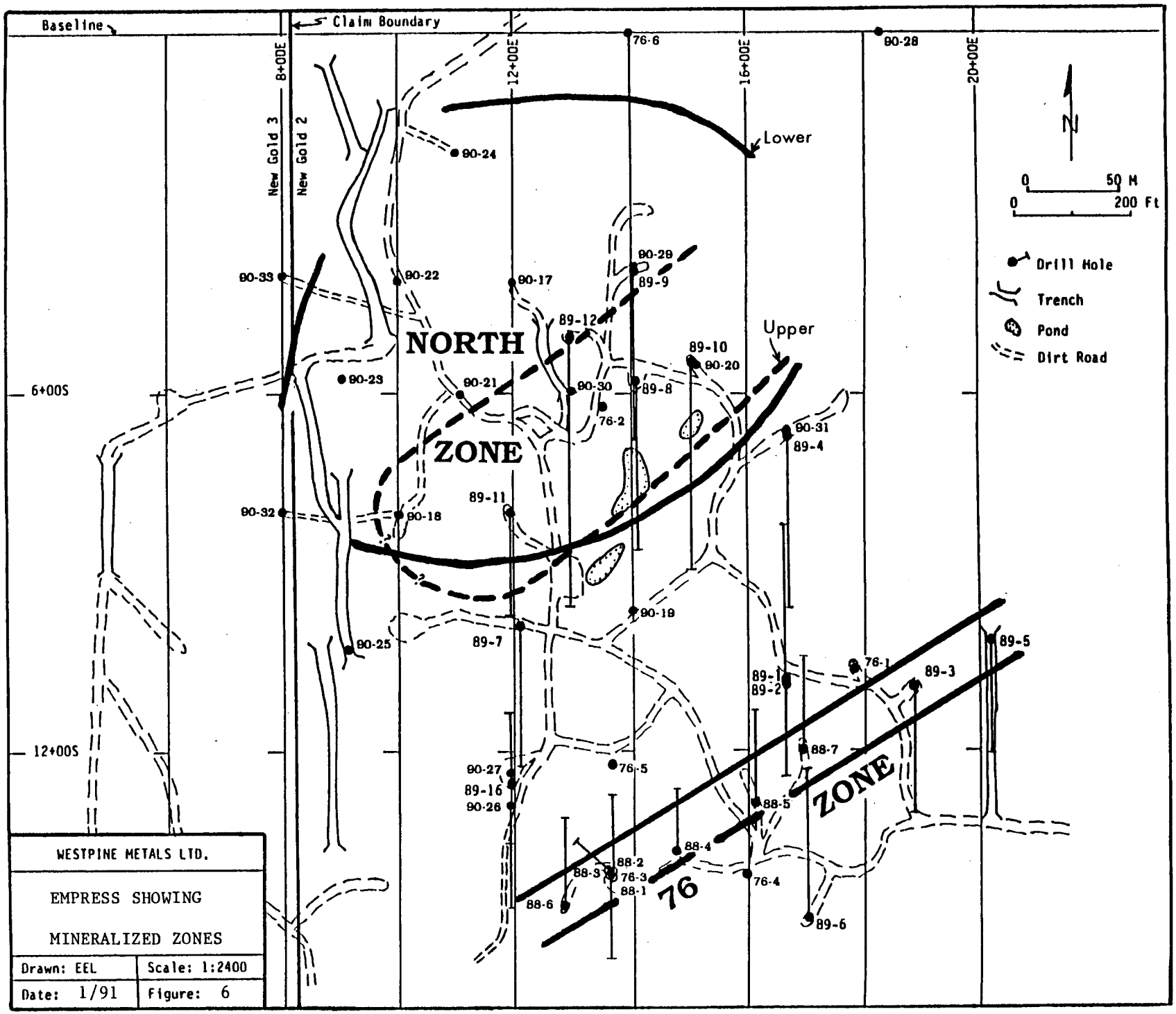


WESTPINE METALS LTD.

LOCATION OF

1990 DRILL HOLES

Drawn: EEL	Scale: 1:4800
Date: 1/91	Figure: 5



WESTPINE METALS LTD.

EMPRESS SHOWING

MINERALIZED ZONES

Drawn: EEL	Scale: 1:2400
Date: 1/91	Figure: 6

W 4E 8E 12E 16E E

90-33 90-22 90-17 90-29

OB

FELDSPAR PORPHYRY DYKE (exposed at surface)

ANDESITE DIKE

PSA QAS QR QM

LOWER NORTH ZONE

QUARTZ DIORITE

5000 ft.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,889

Cu (%)		Au (oz/ton)
0.20-0.50	C	0.006-0.015
0.50-1.00	B	0.015-0.030
>1.00	A	>0.030

QAS QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK

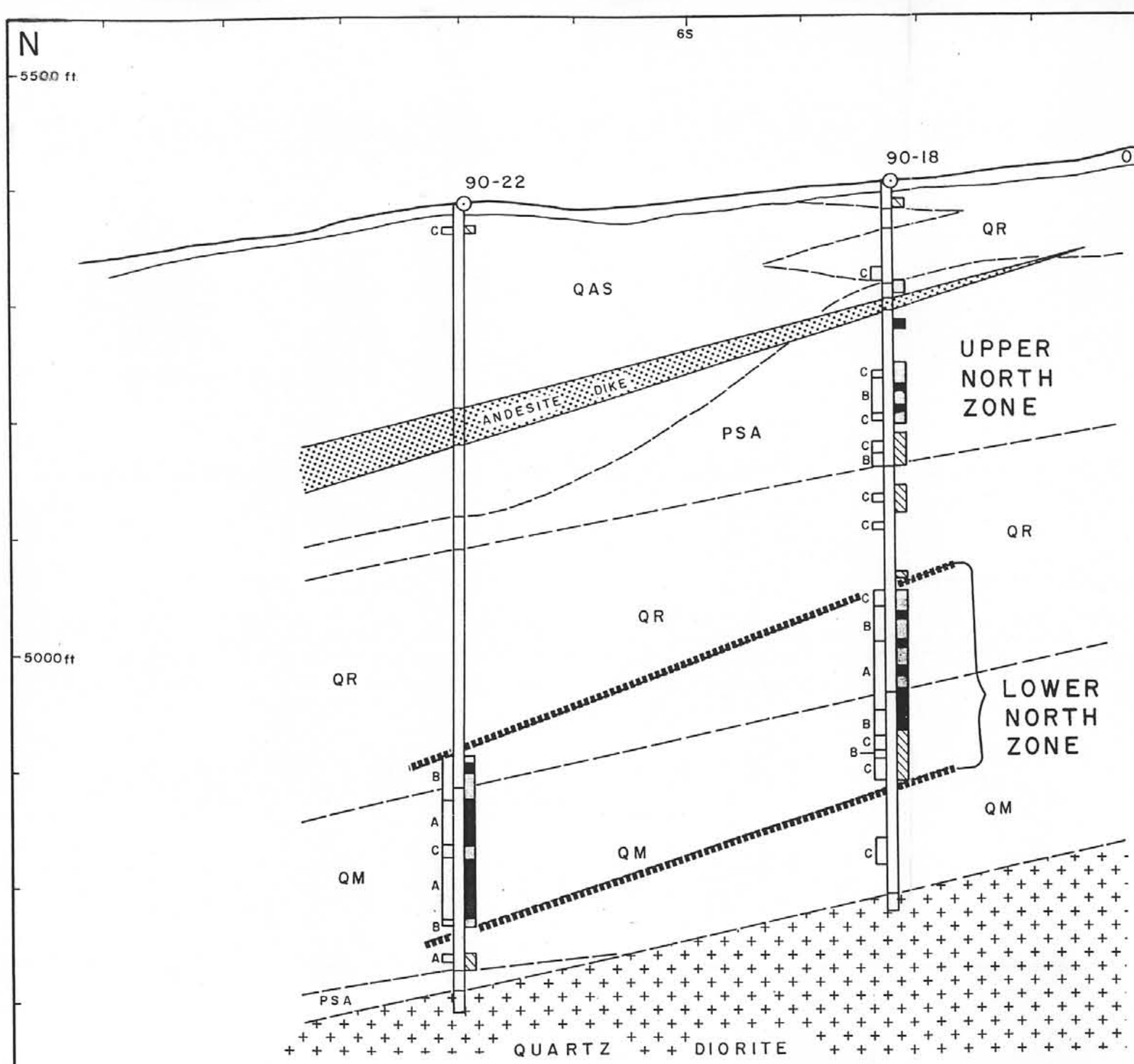
PSA PLAGIOCLASE-PYROPHYLLITE-ANDALUSITE ROCK

QR QUARTZ ROCK

QM QUARTZ-MAGNETITE ROCK

0 50 100 200 ft.

WESTPINE METALS LTD.		
CROSS SECTION L 4+00S		
E. LAMBERT, GEOL., F.G.A.C.		
N.T.S. 92O/3W	SCALE: 1:1200	FIG.
DATE: JAN., 1991	DRAWN: E.L./dw	7



GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,889

Cu (%)		Au (oz/ton)
0.20-0.50	C	0.006-0.015
0.50-1.00	B	0.015-0.030
>1.00	A	>0.030

QAS QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK

PSA PLAGIOCLASE-PYROPHYLLITE-ANDALUSITE ROCK

QR QUARTZ ROCK

QM QUARTZ-MAGNETITE ROCK

0 50 100 200 ft.

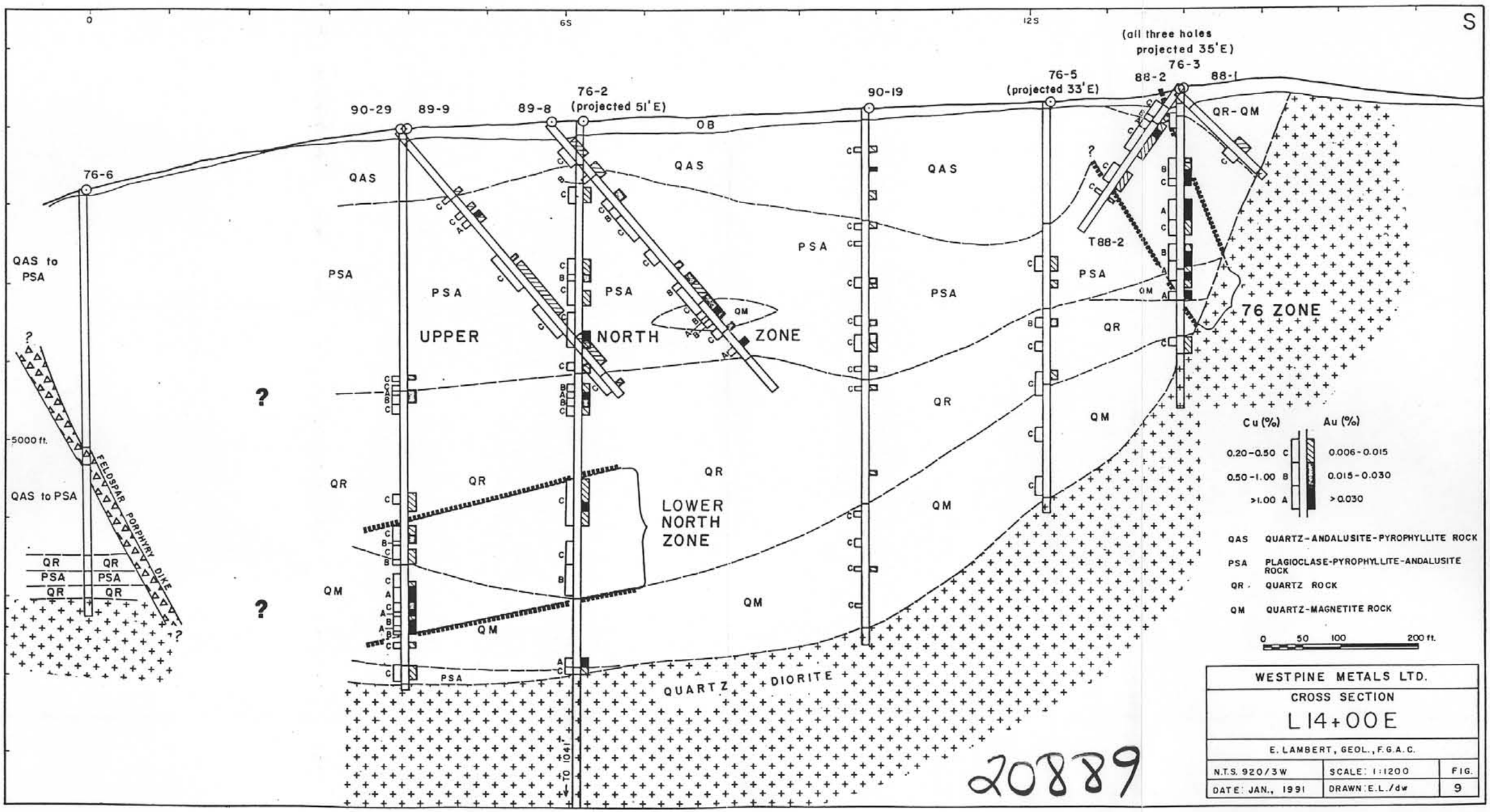
WESTPINE METALS LTD.

CROSS SECTION

L10+00E

E. LAMBERT, GEOL., F.G.A.C.

N.T.S. 92O/3W	SCALE: 1:1200	FIG.
DATE: JAN., 1991	DRAWN: E.L./dw	8


0
6S
12S
S
(all three holes projected 35'E)
76-3
88-2
88-1
76-5 (projected 33'E)
90-19
76-2 (projected 51'E)
89-8
89-9
90-29
76-6
OB
QR-QM
T88-2
76 ZONE
UPPER NORTH ZONE
LOWER NORTH ZONE
QAS
PSA
QR
QM
QAS to PSA
FELDSPAR PORPHYRY DIKE
-5000 ft.
TO 1041'
QUARTZ DIORITE
Cu (%)
Au (%)
0.20-0.50 C
0.50-1.00 B
>1.00 A
0.006-0.015
0.015-0.030
>0.030
QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK
PLAGIOCLASE-PYROPHYLLITE-ANDALUSITE ROCK
QUARTZ ROCK
QUARTZ-MAGNETITE ROCK
0 50 100 200 ft.
WESTPINE METALS LTD.
CROSS SECTION
L 14+00E
E. LAMBERT, GEOL., F.G.A.C.
N.T.S. 92O/3W
SCALE: 1:1200
FIG. 9
DATE: JAN., 1991
DRAWN: E.L./dw
20889

N

6S

12S

S

5500 ft.

5000 ft.

89-4
90-31 (projected 30' E)

89-1 89-2
(both projected 35' E)

88-7

89-6

OB

PSA

QAS – PSA

QR

QAS

QM

FAULT ZONE

76 ZONE

LOWER NORTH ZONE

FELDSPAR PORPHYRY DIKE

QUARTZ DIORITE

20,889

GEOLOGICAL BRANCH
ASSESSMENT REPORT

Cu (%)		Au (%)
0.20-0.50	C	0.006-0.015
0.50-1.00	B	0.015-0.030
>1.00	A	>0.030

QAS QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK

PSA PLAGIOCLASE-PYROPHYLLITE-ANDALUSITE ROCK

QR QUARTZ ROCK

QM QUARTZ-MAGNETITE ROCK

0 50 100 200 ft.

WESTPINE METALS LTD.

CROSS SECTION

L17+00E

E. LAMBERT, GEOL., F.G.A.C.

N.T.S. 92O/3W	SCALE: 1:1200	FIG.
DATE: JAN., 1991	DRAWN: E.L./dw	10

PROPERTY MINERALIZATION

Mineralization is found in three localities on the Taseko Property, historically referred to as the Empress, Buzzer and Rowbottom Showings (Figure 4). In addition to these known showings, preliminary prospecting in the western half of the property indicate the potential for additional mineralized areas.

Empress Showing

Exploration activity from 1988 to the present has been concentrated on the Empress Showing. Surface exposure of mineralization is in the form of abundant float and sparse outcrops of altered rocks containing copper-gold mineralization. Significant drilling in this area has presently resulted in the definition of three separate mineralized zones: the lower North Zone, upper North Zone and 76 Zone (Figure 6).

- The **lower North Zone** is the zone of strongest mineralization defined to date. Preliminary calculations indicate over 5 million tons of >1% Cu + Au occur in a relatively flat-lying, disc-shaped pod. The pod is situated approximately 450' below surface and is open to the northwest, northeast and southwest.

- The **upper North Zone** is less well defined and consists of spotty mineralization occurring in a northeasterly, linear trend from near surface to roughly 400' depth. It is open to the northeast and possibly the southwest.

- The **76 Zone** appears to be near vertical, trends in a NE direction, and is presently felt to be fault controlled. The zone is open to the northeast, but appears to be cut off by the quartz diorite stock to the southwest.

Sulphides observed in drill core include pyrite, chalcopyrite, magnetite, molybdenite and pyrrhotite. These minerals are concentrated within the layered sequence of highly altered lithologies, with only rare occurrences in the intrusive phases (see Figures 7-10). The following is a description of each mineral:

(1) **Pyrite:** a ubiquitous mineral occurring as a disseminated phase in all of the altered rock types, averaging 1-5% and locally exceeding 10%. It also occurs as veinlets and as coarse gobs (especially in PSA and vugs).

(2) **Magnetite:** an abundant mineral and, like pyrite, is found to some degree in all of the altered rock types. It is generally disseminated but also occurs as veinlets, distinct layers that impart a local banding, massive zones that assay greater than 10% iron, and as the matrix cement of some breccias. On hand-specimen scale magnetite exhibits local inverse relationships with pyrite and chalcopyrite: strong mineralization containing only magnetite

can suddenly end at a sharp contact with strong pyrite or chalcopyrite mineralization. Also, where magnetite content gradually increases, pyrite or chalcopyrite content proportionately decreases, and vice versa, suggesting one mineral is replacing the other.

(3) **Chalcopyrite**: the occurrence of chalcopyrite is more limited than the above two minerals. Its abundance varies from rare specks in QAS and QR to heavily mineralized zones (over 10% disseminated chalcopyrite) within QR and QM. It also occurs as veinlets in most rock types, and as coarse gobs in PSA and vugs. A strong correlation exists between copper and gold as indicated by assay results, and it also appears that, on a property scale, the occurrence of chalcopyrite is associated with the presence of magnetite.

(4) **Pyrrhotite**: an uncommon mineral occurring as delicate dendrites in QAS, and less so as a disseminated phase.

(5) **Molybdenite**: this mineral is rare in the Empress Showing and is disseminated in PSA, QR and QM, or occurs as coarse gobs in vugs.

(6) **Other**: microscopic examination of gravity concentrates of mineralized core indicates the additional presence of trace galena, sphalerite and free gold (Harris, 1988).

Buzzer Showing

Copper-molybdenum mineralization is exposed in numerous trenches at the Buzzer Showing. Sulphides replace mafic minerals and occur as vug and fracture fillings in weakly to strongly altered quartz diorite (McMillan, 1976; Lambert, 1989b). The sulphides consist mainly of chalcopyrite, pyrite and molybdenite. Previous drilling (1963-1970) indicated copper-molybdenum mineralization continues at depth, but two test holes in 1989 failed to confirm this, possibly because the holes passed below the zone.

Rowbottom Showing

Copper-molybdenum mineralization occurs in quartz diorite and consists of chalcopyrite, pyrite, molybdenite and pyrrhotite as replacements of mafic minerals. The only drilling conducted at this showing was performed in 1970 which confirmed that copper-molybdenum mineralization continues at depth.

1990 WORK PROGRAM AND RESULTS

1990 Program

The basic goal of the 1990 program was to continue step-out drilling from the 1989 holes, and to conduct preliminary drilling in new areas. Seventeen of nineteen holes (90-17 to 90-32) were drilled in the Empress Showing to further test the 76 zone and North Zone, and the two remaining holes (90-34 and 90-35) were spotted over magnetic anomalies west of Granite Creek (see Figure 5).

A total of 11,490 feet (3503 m) of NQ core was drilled by Newmac Industries Ltd. of Kamloops, BC, and 1440 split core samples were sent for analysis to Vangeochem Laboratories Ltd. in Vancouver B.C. 25-element ICP analysis and gold by fire assay with atomic absorption finish were performed on each sample. Selected samples from the more heavily mineralized intervals were check-assayed for copper and gold at ACME Analytical Laboratories Ltd, also in Vancouver. The core is stored on the property. Details of drilling results and assay certificates appear in the appendix.

Results

The following table summarizes the best intersections of copper and gold from each hole drilled in 1990 (conversion factor 1 foot = 0.305 meters):

Hole	Interval (feet)	Width (feet)	Cu-VGC[1] (%)	Cu-AAL[2] (%)	Au-VGC (oz/t)	Au-AAL (oz/t)
90-17	472-652	180	1.41	1.45	0.054	0.052
	(581-629)	48	2.27	2.33	0.105	0.095
90-18	163-512	349	0.53	0.58	0.019	0.019
	(363-494)	131	0.96	1.04	0.027	0.030
90-19	147-311	164	0.19	NCA[3]	0.006	NCA
	(265-311)	46	0.32	NCA	0.011	NCA
90-20	554-673	119	0.34	0.39	0.010	0.010
	(554-608)	54	0.47	0.50	0.011	0.012
90-21	503-718	215	0.90	0.93	0.036	0.034
	(509-569)	60	1.78	1.87	0.061	0.061
	(599-627)	28	1.92	1.85	0.087	0.081
90-22	472-647	175	1.03	1.03	0.036	0.041
	(511-599)	88	1.52	1.49	0.056	0.062

Hole	Interval (feet)	Width (feet)	Cu-VGC[1] (%)	Cu-AAL[2] (%)	Au-VGC (oz/t)	Au-AAL (oz/t)
90-23	450-562	112	0.36	0.40	0.010	0.009
90-24	414-468	54	0.26	0.18	0.024	0.013
	530-598	68	0.74	0.63	0.032	0.027
	(554-598)	44	1.02	0.89	0.045	0.038
90-25	351-369	18	0.47	NCA	0.012	NCA
90-26	170-261	91	0.44	0.35	0.011	0.012
	(219-249)	30	0.58	0.46	0.014	0.014
90-27	No Significant Mineralization					
90-28	60.5-151	90.5	0.24	0.19	0.007	0.008
	304-338	34	0.49	0.49	0.018	0.019
90-29	333-351	18	0.88	0.88	0.014	0.023
	519-644	125	0.54	0.62	0.019	0.018
90-30	39-104	65	0.26	0.23	0.012	0.010
	540-684	144	0.64	0.73	0.028	0.024
	(540-594)	54	0.81	0.97	0.033	0.028
90-31	563-623.5	60.5	0.31	0.37	0.008	0.006
90-32	411-454	43	0.49	0.57	0.017	0.018
90-33	453-479	26	0.32	0.40	0.010	0.008
90-34	No Significant Mineralization					
90-35	No Significant Mineralization					

[1] = Vangeochem Laboratories
[2] = ACME Analytical Laboratories (used for check assaying)
[3] = No Check Assays

Hole 90-34 was drilled over a magnetic anomaly and intersected fresh andesite tuff. The only mineralization was in the form of minor disseminated pyrite. Hole 90-35 was drilled near the west edge of Granite Creek to test if mineralization from the North Zone continued on that side of the creek. The hole intersected fresh and altered feldspar-porphyry dike, both unmineralized. Because a dike was intersected, conclusions regarding the extension of the North Zone west of Granite Creek could not be made.

RECOMMENDATIONS

Further exploration of the Taseko Property is warranted based on the favourable 1990 drilling results. The program recommended is to continue drilling in the Empress Showing and over magnetic anomalies delineated from a recent airborne magnetometer survey. Within the Empress Showing, the following areas are recommended:

(1) Test the lower and upper North Zones to the southwest, northwest and northeast by step-out drilling from previous drill holes.

(2) Test the 76 Zone to the northeast.

(3) Follow-up testing the North Zone west of Granite Creek, in the vicinity of hole 90-35.

STATEMENT OF COSTS

Field Personnel			**$ 55,269**
W.Osborne, geologist	- 25 days @ $350	$ 8,750	
E.Lambert, geologist	- 83 days @ $225	18,675	
P.Wilkinson, cook	- 78 days @ $150	11,700	
D.Sutherland, asst.	- 62 days @ $130	8,060	
Z.Quin, assistant	- 28 days @ $100	2,800	
Employee Benefits		5,284	
Diamond Drilling			**209,457**
Diamond Drilling (11490 ft. x $18/foot)		206,820	
Cat Work		1,040	
Core Boxes		1,148	
Core Racks		449	
Laboratory Analysis			**30,719**
1464 samples @ $17/sample		24,888	
760 check assays @ $7.67		5,831	
Food and Accommodation			**21,475**
Field: food (611 man days x $12.50)		7,638	
camp (611 man days x $12.50)		7,638	
cabin rental ($350/week)		3,800	
Town: motel, meals, transportation		2,399	
Transportation			**12,075**
Helicopter		6,494	
Vehicle Rentals		2,167	
Freight (for samples)		1,480	
Fuel		1,934	

Equipment and Supplies		**1,983**
Field Supplies	1,249	
Office Supplies	734	
Report Preparation		**8,500**
Report Writing	4,000	
Drafting, plotting, data preparation	4,000	
Reproduction	500	
TOTAL PROJECT COST		**$339,478**

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STATEMENT OF QUALIFICATIONS

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

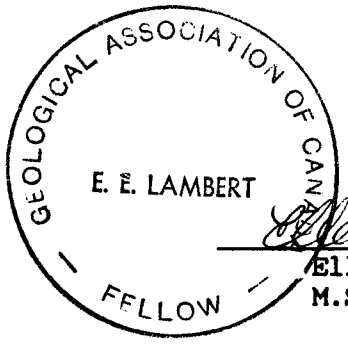
1. I am a Fellow of the Geological Association of Canada.

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 practised 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 June 27 - September 13, 1990.

5. I have received 20,000 option shares in Westpine Metals, Ltd., which is the extent of my interest in the company.



Ellen Lambert
M.Sc., FGAC

January 28, 1991

APPENDIX

1990 Drill-Hole Statistics
1990 Summary Drill Logs
1990 Drill-Core Sample Numbers and Cu-Au-Ag Assays
1990 Assay Certificates

1990 DRILL-HOLE STATISTICS

Hole	Azimuth	Dip	Depth of Overburden	Total Depth
90-17	-	-90°	10' (3.1 m)	707' (215.5 m)
90-18	-	-90°	9' (2.7 m)	627' (191.2 m)
90-19	-	-90°	9' (2.7 m)	687' (209.4 m)
90-20	-	-90°	16' (4.9 m)	712' (217.1 m)
90-21	-	-90°	9' (2.7 m)	727' (221.6 m)
90-22	-	-90°	9' (2.7 m)	693' (211.3 m)
90-23	-	-90°	10' (3.1 m)	677' (206.4 m)
90-24	-	-90°	25' (7.6 m)	647' (197.3 m)
90-25	-	-90°	24' (7.3 m)	460' (140.2 m)
90-26	178°	-50°	17' (5.2 m)	287' (87.5 m)
90-27	178°	-65°	17' (5.2 m)	327' (99.7 m)
90-28	-	-90°	12' (3.7 m)	437' (133.2 m)
90-29	-	-90°	16' (4.9 m)	717' (218.6 m)
90-30	-	-90°	20' (6.1 m)	733' (223.5 m)
90-31	-	-90°	17' (5.2 m)	673' (205.2 m)
90-32	-	-90°	12' (3.7 m)	593' (180.8 m)
90-33	-	-90°	7' (2.1 m)	667' (203.3 m)
90-34	-	-90°	50' (15.2 m)	548' (167.1 m)
90-35	-	-90°	53' (16.2 m)	571' (174.1 m)

1990 SUMMARY DRILL LOGS

ABBREVIATIONS

Q	=	Quartz
plag	=	Plagioclase
bio	=	Biotite
chl	=	Chlorite
andal	=	Andalusite
pyro	=	Pyrophyllite
py	=	Pyrite
cpy	=	Chalcopyrite
mag	=	Magnetite
pyrr	=	Pyrrhotite
moly	=	Molybdenite

* NOTE * = All drill log summaries and assay results are given in feet. To convert to meters, use the following conversion factor:

1 foot = .305 m

SUMMARY DRILL LOG

HOLE 90-17

Azimuth : -
Dip : -90°
Depth: 707 ft. (215.5 m)

INTERVAL (feet)	DESCRIPTION
0 - 10	**OVERBURDEN**
10 - 52	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - local patches of pink feldspar.
52 - 71	**PYROPHYLLITE-RICH FAULT ZONE** - strongly broken core. Includes Q + pyro. + andal cross-cut by pink feldspar, coarse grained pyro and green clay.
71 - 313.5	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - local gypsum veins. 142-215 = chl as diffuse clots, 10-15% 263-273 = mag and chl increases to 25% 298-304 = mag and chl increases to 25%
313.5- 475	**QUARTZ ROCK** - local green clay, pyro, py, cpy and mag.
475 - 657	**QUARTZ-MAGNETITE ROCK** - main mineralized unit. Cpy typically 1-5%, mainly disseminated, locally as veinlets. Trace moly. Local banding at 80°. 615-622.5 = hematized fault zone
657 - 707	**QUARTZ DIORITE** - mixed fresh and argillically altered quartz diorite.
707	**EOH**

SUMMARY DRILL LOG

HOLE 90-18

Azimuth : -
Dip : -90°
Depth: 627 ft. (191.2 m)

INTERVAL (feet)	DESCRIPTION
0 - 7	**OVERBURDEN**
7 - 22.5	**QUARTZ ROCK**
22.5 - 27.5	**QUARTZ-MAGNETITE ROCK** - with 10% chl.
27.5 - 31	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK**
31 - 39	**MIXED QUARTZ ROCK AND QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - quartz rock with sections of the latter, contacts usually at 70-90°.
39 - 85	**QUARTZ ROCK** - local mag, rare moly.
85 - 96	**PLAGIOCLASE-PYROPHYLLITE-ANDALUSITE ROCK** - quartz-andalusite-pyrophyllite rock intruded by cream to pink coloured plagioclase.
96 - 108.5	**ANDESITE DIKE** - dark green, fine grained andesite with small plagioclase phenocrysts. Minor propyllitic alteration.
108.5- 233	**PLAGIOCLASE-PYROPHYLLITE-ANDALUSITE ROCK** 160-233 = 1-3% cpy mineralization
233 - 241.5	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - local banding at 45°; 1-2% cpy mineralization.

90-18, continued

INTERVAL (feet)	DESCRIPTION
241.5- 244	**QUARTZ-MAGNETITE ROCK** - well banded at 45°; 1-3% cpy mineralization.
244 - 350	**QUARTZ ROCK** 263-283 = vertically fractured core
350 - 351	**ANDESITE DIKE** - strongly clay altered; altered plag and bio phenocrysts in a fine grained, olive green matrix.
351 - 437	**QUARTZ ROCK** - mineralized unit, with 1-3% disseminated cpy. 392-437 = local zones of strongly broken core
437 - 607.5	**QUARTZ-MAGNETITE ROCK** - 1-3% cpy mineralization to 497', then diminishes to 0.5-1.0% to 590'. Local brecciated textures, with mag as the matrix. 517-582 = mag decreases to 5%
607.5- 627	**QUARTZ DIORITE** - mixed fresh and argillically altered quartz diorite. Upper contact is sharp, at 45°.
627	**EOH**

SUMMARY DRILL LOG

HOLE 90-19

Azimuth : -
Dip : -90°
Depth: 687 ft. (209.4 m)

INTERVAL (feet)	DESCRIPTION
0 - 10	**OVERBURDEN**
10 - 39	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK**
39 - 97	**PLAGIOCLASE-QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - colourful rock: pink to green plag, pale green pyro, bluish andal and grey Q. 68.5-74 = fault zone
97 - 182	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** 113-123 = pyro and clay-rich zone; core broken 175-188 = strongly pitted core (acid leaching?)
182 - 348	**PLAGIOCLASE-QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - local banding at 45°, and local gobs of py and cpy. 217-310 = decreased plag and Q 230-240 = disseminated and dendritic pyrr to 4% 253-258 = pyrr dendrites growing out from fractures
348 - 353	**QUARTZ ROCK**
353 - 360	**PLAGIOCLASE-QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK**
360 - 504	**QUARTZ ROCK**

90-19, continued

INTERVAL (feet)	DESCRIPTION
504 - 636.5	**QUARTZ-MAGNETITE ROCK** - local brecciated texture with mag as matrix.
636.5- 646	**APLITE DIKE** - cryptocrystalline to medium grained dike of intimately mixed Q and plag. Local graphic texture. Accessory py, cpy and mag.
646 - 667	**QUARTZ-MAGNETITE ROCK** - local coarse-grained quartz veins at 80° with associated py and cpy. 665.5 = quartz diorite dikelet (2" wide)
667 - 687	**QUARTZ DIORITE** - upper contact at 45°. Disseminated cpy within the first foot. 671-677 = silicified (?) quartz diorite; bio altered to mag + chl.
687	**EOH**

SUMMARY DRILL LOG

HOLE 90-20

Azimuth : -
Dip : -90°
Depth: 712 ft. (217.1 m)

INTERVAL (feet)	DESCRIPTION
0 - 16	**OVERBURDEN**
16 - 25	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - variable mag, from 1-20%
25 - 216	**PLAGIOCLASE-QUARTZ-ANDALUSITE-PYROPHYLLITE-(MAGNETITE) ROCK** - coarse mag interstitial to other minerals. Local gobs of cpy and patches of massive py. 20-21 = fault zone 36-55 = core strongly broken 172-187 = pyrr dendrites; py + pyrr to 20%
216 - 227	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK**
227 - 275	**QUARTZ ROCK** - fault contact with above unit. Cpy locally to 2%.
275 - 304.5	**MIXED QUARTZ ROCK AND QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK**
304.5- 587	**QUARTZ ROCK** - local banding at 70°. 364-370 = core strongly broken 430-453 = clay and pyro increase to 20%
587 - 667	**QUARTZ-MAGNETITE ROCK** - local brecciation with mag as matrix.

90-20, continued

INTERVAL (feet)	DESCRIPTION
667 -700.5	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - local banding at 40°.
700.5- 712	**QUARTZ DIORITE** - minor argillic alteration 702-704 = segment containing Q + mag + chl with 1% disseminated py + cpy = xenolith?
712	**EOH**

SUMMARY DRILL LOG

HOLE 90-21

Azimuth : -
Dip : -90°
Depth: 727 ft. (221.6 m)

INTERVAL (feet)	DESCRIPTION
0 - 9	**OVERBURDEN**
9 - 90	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** 9-48 = pyrr to 10%, cpy to 3% 78.5-93 = core strongly broken, pitted texture to rock (acid leaching?)
90 - 184	**PLAGIOCLASE-QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - colourful rock consisting of pink or green plag, bluish andal, green pyro and grey Q. Local poor recovery. 123-146 = pyro-rich zone (to 50%) 146-184 = plag-rich zone
184 - 221	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK**
221 - 237.5	**ANDESITE DIKE** - chilled margins; upper contact at 20°, lower contact at 60° followed by 6" fault gouge.
237.5-268.5	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - local quartz rock mixed in.
268.5 - 548	**QUARTZ ROCK** 433-454 = vertical fracture zone, healed with silica 462-548 = cpy mineralization, 1-4%

90-21, continued

INTERVAL (feet)	DESCRIPTION
548 - 693	**QUARTZ-MAGNETITE ROCK** 637-680 = zone of heavy mag, 30%
693 - 718	**PYROPHYLLITE-ANDALUSITE ROCK** - local Q and plag; sharp upper contact at 60°; sulphides concentrated in andal sections. 715-717 = fault zone
718 - 727	**QUARTZ DIORITE** - upper contact sharp but irregular. 718-722 = strong silicification, bio altered to mag; faint intrusive texture. Minor cpy.
727	**EOH**

SUMMARY DRILL LOG

HOLE 90-22

Azimuth : -
Dip : -90°
Depth: 693 ft. (211.3 m)

INTERVAL (feet)	DESCRIPTION
0 - 9	**OVERBURDEN**
9 - 15	**PLAGIOCLASE-QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - with associated mag to 10%.
15 - 20	**APLITE DIKE** - medium grained to porphyritic, slight argillic alteration; minor chl; occupies a fault zone.
20 - 177	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** 20-28 = core strongly broken 67-97 = fault zone; moderate recovery 86-177 = diffuse chl clots prevalent; gypsum occurs along fractures
177 -204.5	**ANDESITE DIKE** - chilled margins; upper contact sharp but irregular; lower contact faulted.
204.5- 266	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** 204.5-216 = fault zone
266 - 292	**PLAGIOCLASE-QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - chaotic texture; mag to 5%.
292 - 496	**QUARTZ ROCK** - local brecciation rehealed by silica. 473-496 = cpy mineralization, 1-3%

90-22, continued

INTERVAL (feet)	DESCRIPTION
496 -656.5	**QUARTZ-MAGNETITE ROCK** - local brecciation with mag as matrix. Cpy mineralization is spotty to 610', but typically 2-5% where present. Py present where
cpy	disappears.
	559-576 = banding at 30°
656.5- 680	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - sharp upper contact at 60°.
	656.5-661 = pyro-rich zone
680 - 693	**QUARTZ DIORITE** - gradational contact with overlying unit over 3'. Quartz diorite is argillically altered at variable degrees.
693	**EOH**

SUMMARY DRILL LOG

HOLE 90-23

Azimuth : -
Dip : -90°
Depth: 677 ft. (206.4 m)

INTERVAL (feet)	DESCRIPTION
0 - 10	**OVERBURDEN**
10 - 64	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** 21-64 = brecciated Q-andal-pyro rock with mag in matrix
64 - 83	**PLAGIOCLASE-QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK**
83 - 100	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK**
100 -110.5	**ANDESITE DIKE** - upper and lower contacts at 45°
110.5- 298	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** 110.5-189 = core strongly broken up into 0.5-3.0" chunks. 245-298 = mag increases down-hole to 25%
298 - 312	**PLAGIOCLASE-QUARTZ-ANDALUSITE-PYROPHYLLITE-MAGNETITE ROCK** - plag flooding a mag-rich, Q-andal-pyro rock.
312 - 563	**QUARTZ ROCK** - upper contact at 90° (horizontal).
563 - 666	**QUARTZ-MAGNETITE ROCK**
666 - 677	**QUARTZ DIORITE** - upper contact at 45°; local clay alteration
677	**EOH**

SUMMARY DRILL LOG

HOLE 90-24

Azimuth : -
Dip : -90°
Depth: 647 ft. (197.3 m)

INTERVAL (feet)	DESCRIPTION
0 - 25	**OVERBURDEN**
25 - 298	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** 29-30 = aplite dikelet, at 90° 60-75 = strongly broken core 129-280 = gypsum filling fractures 220-257 = chl from 10-20%
298 - 303	**ANDESITE DIKE** = upper contact at 90°, lower contact sheared at 15°.
303 -395.5	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** 351-370 = mixed quartz rock, Q-andal-pyro rock and faulting. 384-395.5 = shear zone
395.5-464.5	**QUARTZ ROCK** 417-438 = strongly fractured core, vertically
464.5-466.8	**QUARTZ DIORITE DIKE** - strong argillic alteration; upper contact at 65°, lower contact at 30°.
466.8- 517	**QUARTZ ROCK** 472-477 = near-vertical fault zone 480-488 = fault zone; poor recovery 498-515 = abundant clay speckled throughout

90-24, continued

INTERVAL (feet)	DESCRIPTION
517 - 522	**PLAGIOCLASE-QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - highly colourful rock.
522 - 554	**QUARTZ ROCK** 547-554 = chl present to 15%
554 - 603	**QUARTZ-MAGNETITE ROCK** - mineralized unit to 597', cpy 1-4%.
603 - 624	**QUARTZ DIORITE** - sharp upper contact at 45°.
624 - 638	**ANDESITE DIKE** - sharp contacts at 45°.
638 - 647	**QUARTZ DIORITE** 642-644 = shear zone at 15°
647	**EOH**

SUMMARY DRILL LOG

HOLE 90-25

Azimuth : -
Dip : -90°
Depth: 460 ft. (140.2 m)

INTERVAL (feet)	DESCRIPTION
0 - 24	**OVERBURDEN**
24 - 61	**PLAGIOCLASE-PYROPHYLLITE-ANDALUSITE ROCK** - local quartz.
61 - 130	**PYROPHYLLITE-ANDALUSITE ROCK** - local corundum. 66-75 = fault zone, some lost core
130 - 163	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK**
163 - 240	**QUARTZ ROCK** - local banding at 70°.
240 - 297	**FELDSPAR PORPHYRY DIKE** - upper contact broken up, lower contact at 30°. Plag phenocrysts, and minor Q and bio phenocrysts, in a greyish brown groundmass. 15-25% phenocrysts. 284-295.5 = bleached, plag is altered to a pale green clay, and groundmass is beige coloured
297 - 349	**QUARTZ ROCK**
349 - 410	**QUARTZ-MAGNETITE ROCK** - mineralized unit, cpy typically 1-2%. Local banding at 45°. 396-409 = core moderately to strongly broken
410 - 460	**QUARTZ DIORITE** - upper contact is sharp at 60°.
460	**EOH**

SUMMARY DRILL LOG

HOLE 90-26

Azimuth : 178°
Dip : -50°
Depth: 287 ft. (87.5 m)

INTERVAL (feet)	DESCRIPTION
0 - 17	**OVERBURDEN**
17 - 27	**QUARTZ-PLAGIOCLASE ROCK** - intimate mixture of fine grained Q and plag, similar to an aplite.
27 - 88	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - local pyrr to 5%. 27-34 = core strongly broken, some lost core 42-47 = core strongly broken, some lost core 70-88 = core mod. to strongly broken, lost core
88 - 107	**PLAGIOCLASE-QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - above unit invaded by plagioclase; 5-8% total sulphides (py>pyrr>>cpy), disseminated and as dendrites.
107 - 135	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - local dendrites of pyrr.
135 - 275	**PLAGIOCLASE-QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - mineralized unit, with cpy typically occurring in andal sections. 170-182 = mag to 25% 195-196.5 = mag to 25% 196.5-213 = andal-rich section 246-251.5 = mag from 15-50% 268-269 = quartz diorite dikelet, at 80°
275 - 287	**QUARTZ DIORITE** - sharp upper contact at 60°. Fresh except for rare py veinlets.
287	**EOH**

SUMMARY DRILL LOG

HOLE 90-27

Azimuth : 178°
Dip : -65°
Depth: 327 ft. (99.7 m)

INTERVAL (feet)	DESCRIPTION
0 - 18	**OVERBURDEN**
18 - 46	**QUARTZ-PLAGIOCLASE ROCK** - intimate mixture of fine grained Q and plag, similar to an aplite. Local patches of andal. 22-46 = strongly broken core, some lost core
46 - 60	**PYROPHYLLITE-ANDALUSITE ROCK**
60 - 67	**QUARTZ-PLAGIOCLASE ROCK**
67 - 75	**PYROPHYLLITE-ANDALUSITE ROCK**
75 - 91.5	**QUARTZ-PLAGIOCLASE ROCK** - fragments of pyro-andal rock occur.
91.5- 122	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK**
122 - 174	**PLAGIOCLASE-QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - upper contact a fault at 40°; local calcite and gypsum veining. 167-168.5 = quartz rock
174 - 234	**PYROPHYLLITE-ANDALUSITE ROCK** - disseminated pyrr from 2-5% 200-234 = quartz rock present in patches

90-27, continued

INTERVAL (feet)	DESCRIPTION
234 - 247	**FELDSPAR PEGMATITE** - 97% coarse, bluish-grey feldspar crystals (1-2 cm) with accessory andal, pyro, Q, py, pyrr and cpy.
247 - 249	**ANDALUSITE ROCK** - nearly 100% andal with local blebs of coarse feldspar (like above unit) and pyro.
249 - 258	**FAULT ZONE** - vertical fault zone containing fragments of pyro-andal rock, quartz rock and feldspar pegmatite. Zone is highly sheared.
258 - 269	**PYROPHYLLITE-ANDALUSITE ROCK** - chaotic texture, highly colourful and complex mixture of pyro, andal and local silica.
269 - 301	**QUARTZ ROCK** - sharp upper contact at 30°, with local pyro-andal sections. 273.5-278 = plag-pyro-andal with local mag 279-280 = pyro-andal rock
301 - 327	**QUARTZ DIORITE** - contact at 30°. 301-314 = strong clay alteration 304.5-306 = quartz-rock fragment 310-314 = several pegmatite veins, consisting of white Q with accessory mag & chl.
327	**EOH**

SUMMARY DRILL LOG

HOLE 90-28

Azimuth : -
Dip : -90°
Depth: 437 ft. (133.2 m)

INTERVAL (feet)	DESCRIPTION
0 - 14	**OVERBURDEN**
14 - 52	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK**
52 - 60.5	**ANDESITE DIKE** - upper contact broken, lower contact at 45° along a shear; chilled margins; calcite amygdules.
60.5 - 67	**PLAGIOCLASE-QUARTZ-PYROPHYLLITE-MAGNETITE ROCK** - chaotic mixture of these minerals; banding at 40°.
67 - 327	**PLAGIOCLASE-QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - associated mag; complex textures. Cpy typically 0.5-2.0%. 104-122 = quartz-rich section with associated plag, mag and chl 120-137 = fault zone with some lost core 150.5-158 = mag-rich zone, to 20% 169.5-170.5 = fault gouge, at 15° 197-210 = banding at 30° 279-287 = quartz-pyro section 287-292 = strongly broken core 317.5-327 = quartz-pyro section
327 - 342	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK**
342 - 392.5	**QUARTZ ROCK** 383-387 = strongly broken core, fault gouge at 90° 390.5-391 = quartz-diorite dikelet at 70°, strongly clay altered

90-28, continued

INTERVAL (feet)	DESCRIPTION
392.5 - 437	**QUARTZ DIORITE** - upper contact at 55°; strong clay alteration with associated disseminated py (1-2%) from 392.5 to 429', then rock becomes fresher.
437	**EOH**

SUMMARY DRILL LOG

HOLE 90-29

Azimuth : -
Dip : -90°
Depth: 717 ft. (218.6 m)

INTERVAL (feet)	DESCRIPTION
0 - 20	**OVERBURDEN**
20 - 327.5	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - local gypsum veining; local intrusive-type texture. 307.5-327.5 = mixed Q-andal-pyro rock and quartz rock
327.5 - 333	**QUARTZ ROCK**
333 - 358.5	**QUARTZ-MAGNETITE ROCK** - cpy mineralization from 2-3%.
358.5 - 509	**QUARTZ ROCK**
509 - 682.5	**QUARTZ-MAGNETITE ROCK** - mineralized with 0.5-5.0% cpy, typically 1-2%. Local brecciated texture with mag as the matrix.
682.5 - 704	**PLAGIOCLASE-QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - sharp upper contact at 65°; well developed banding at 70°.
704 - 717	**QUARTZ DIORITE** - contact at 45°, with silicification occurring in first 5". 706-708 = xenolith(?) of plag-Q-andal-pyro rock
717	**EOH**

SUMMARY DRILL LOG

HOLE 90-30

Azimuth : -
Dip : -90°
Depth: 733 ft. (223.5 m)

INTERVAL (feet)	DESCRIPTION
0 - 18	**OVERBURDEN**
18 - 121	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - local pyrr to 10% and mag to 15%. Local banding at 80°.
121 - 237	**PLAGIOCLASE-QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - colourful unit with associated coarse py and cpy gobs. 127-139 = strongly broken core, pyro-rich zone
237 - 288	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - mixed with segments of quartz rock.
288 - 540	**QUARTZ ROCK** - cpy typically ≤1%.
540 - 719	**QUARTZ-MAGNETITE ROCK** - mineralized with cpy from 1-5%. Sharp upper contact with quartz rock, contact at 55°. Local brecciated textures with mag in matrix.
719 - 723.5	**PLAGIOCLASE-PYROPHYLLITE-ANDALUSITE ROCK**
723.5 - 733	**QUARTZ DIORITE** - sharp upper contact at 45°. Mag replaces bio for first foot below contact, with py + cpy in tiny veinlets. Grades into partially altered quartz diorite.
733	**EOH**

SUMMARY DRILL LOG

HOLE 90-31

Azimuth : -
Dip : -90°
Depth: 673 ft. (205.2 m)

INTERVAL (feet)	DESCRIPTION
0 - 17	**OVERBURDEN**
17 - 335.5	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - local pyrr to 5% and py to 15%; local gypsum veining. 66-73 = pitted texture (acid leaching?) 129-136 = Q-mag-chl section, core broken up 239-262 = introduction of some plag-mag-Q
335.5 - 524	**QUARTZ ROCK**
524 - 529.5	**FELDSPAR PORPHYRY DIKE** - upper contact sharp at 45°, lower contact at 60°. Dike is partially clay altered. 528-529 = shear zone with brecciated fragments of quartz rock
529.5 - 532.5	**QUARTZ ROCK**
532.5 - 557.5	**FELDSPAR PORPHYRY DIKE** - upper contact is faulted for 1', with a sheared texture at 75°, lower contact approximately 45°. Moderate argillic alteration, with rare py veinlets. Rare Q phenocrysts. 553.5-554.5 = quartz rock as a xenolith or projection from nearby wall rock.
557.5 - 563	**QUARTZ ROCK**

90-31, continued

INTERVAL (feet)	DESCRIPTION
563 - 630	**QUARTZ-MAGNETITE ROCK** - local banding from 40-60°. Mineralized with cpy from 1-3%.
630 - 654	**FELDSPAR PORPHYRY DIKE** - upper and lower contacts sharp at 65-70°. Faint banded texture, possibly related to shearing, at 45°. Dike is slightly clay altered, with rare Q phenocrysts.
654 - 665	**PYROPHYLLITE-ANDALUSITE ROCK** - with irregular blebs of quartz; local pyrr to 5%.
665 - 673	**QUARTZ DIORITE** - gradational contact with overlying unit over 1'.
673	**EOH**

SUMMARY DRILL LOG

HOLE 90-32

Azimuth : -
Dip : -90°
Depth: 593 ft. (180.8 m)

INTERVAL (feet)	DESCRIPTION
0 - 12	**OVERBURDEN**
12 - 19.5	**QUARTZ-MAGNETITE ROCK**
19.5 - 37.5	**QUARTZ ROCK**
37.5 - 120	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** 54-75 = chl increases, pyro decreases 102-102.5 = andesite dikelet
120 - 222	**PLAGIOCLASE-QUARTZ-ANDALUSITE-PYROPHYLLITE-MAGNETITE ROCK** - mag both disseminated and as large grains interstitial to other minerals. Cpy 0.5-1.5%.
222 - 224	**QUARTZ ROCK**
224 - 225	**ANDESITE DIKE** - upper contact 80°, lower contact 45°.
225 - 226	**QUARTZ ROCK**
226 - 230	**ANDESITE DIKE** - upper contact 85°, lower contact 70°; strong argillic alteration.
230 - 244	**QUARTZ ROCK**
244 - 287	**QUARTZ-MAGNETITE ROCK** - cpy 0.5-1.5%.

90-32, continued

INTERVAL (feet)	DESCRIPTION
287 - 337.5	**QUARTZ ROCK**
337.5 - 339.5	**FELDSPAR PORPHYRY DIKE** - contacts 55-65°. Slight argillic alteration.
339.5 - 342	**QUARTZ ROCK**
342 - 400	**FELDSPAR PORPHYRY DIKE** - upper contact 50°, lower contact 65°; partial argillic alteration. 350' = small xenolith of quartz rock with cpy
400 - 409	**QUARTZ ROCK** - disseminated cpy to 2%.
409 - 416.5	**QUARTZ-MAGNETITE ROCK** - cpy to 2.5%.
416.5 - 419	**FELDSPAR PORPHYRY DIKE** - upper contact 45°, lower contact 70°; strong argillic alteration, and slightly sheared at both ends.
419 - 499	**QUARTZ-MAGNETITE ROCK** - cpy from 0.5 to 2.5%.
499 - 527	**FELDSPAR PORPHYRY DIKE** - contacts broken up; variable degrees of argillic alteration.
527 - 530.5	**QUARTZ-MAGNETITE ROCK** - xenolith or projection?
530.5 - 586	**FELDSPAR PORPHYRY DIKE** - upper contact 70°.
586 - 593	**QUARTZ DIORITE** - sharp upper contact at 45°.
593	**EOH**

SUMMARY DRILL LOG

HOLE 90-33

Azimuth : -
Dip : -90°
Depth: 667 ft. (203.3 m)

INTERVAL (feet)	DESCRIPTION
0 - 7	**OVERBURDEN**
7 - 17	**ANDESITE DIKE** - lower contact faulted.
17 - 33	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - pyrr locally to 12%, cpy to 1%.
33 - 66	**PLAGIOCLASE-PYROPHYLLITE-ANDALUSITE ROCK** - with associated mag and chl, py and pyrr. 51-66 = quartz appears
66 - 293	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** 78-199 = core moderately to strongly broken 80-152 = chl and white clay specks prevalent 199-251 = chl specks 218-239 = mod. to strongly broken core
293 - 302.5	**PYROPHYLLITE-ANDALUSITE ROCK** - local corundum.
302.5 - 318	**QUARTZ ROCK**
318 - 382	**PYROPHYLLITE-ANDALUSITE ROCK** - local plag and mag; colourful rock. 332.5-338 = pyro-rich zone 357-379 = numerous fault zones

90-33, continued

INTERVAL (feet)	DESCRIPTION
382 - 447	**QUARTZ ROCK** - local pyro-andal rock fragments. 430-439 = pyro-rich zone within quartz rock
447 - 487	**QUARTZ VEIN** - white, coarse-grained quartz containing segments of a highly colourful and chaotic unit consisting of pale green to cream coloured clay, bright red clay(?), pyro, andal, orange-brown clay or limonite, coarse py, cpy and moly and large mica crystals that are strongly altered.
487 - 555	**QUARTZ ROCK**
555 - 650	**QUARTZ-MAGNETITE ROCK** - with associated chl. 564-569 = strong brecciation rehealed by silica 567-581 = core mod. to strongly broken
650 - 667	**QUARTZ DIORITE** - upper contact at 45°; strong argillic alteration for first 8'. Minor py veinlets.
667	**EOH**

SUMMARY DRILL LOG

HOLE 90-34

Azimuth : -
Dip : -90°
Depth: 548 ft. (167.1 m)

INTERVAL (feet)	DESCRIPTION
0 - 50	**OVERBURDEN**
50 - 83	**ANDESITE TUFF** - dark green, medium grained rock containing hornblende and plag crystals, and subrounded, dark green, fine grained fragments (lapilli?) in a plag-chl-mag groundmass. Unit is moderately to strongly magnetic; local calcite and quartz veinlets. Disseminated py from 1-3%.
83 - 107	**QUARTZ-PYROPHYLLITE ROCK** - appears to be altered andesite tuff. Possible andalusite as well.
107 - 548	**ANDESITE TUFF** - as above; local gypsum veins. 113-114 = Q, pyro and py alteration zone 153-154.5 = Q veining with associated py 200-202.5 = Q-pyro-py alteration along a fracture oriented 70° 211-229 = fracture zone 217-223 = strong Q + calcite veining 421-423 = silicified "vein" with py, at 80°
548	**EOH**

SUMMARY DRILL LOG

HOLE 90-35

Azimuth : -
Dip : -90°
Depth: 571 ft. (174.1 m)

INTERVAL (feet)	DESCRIPTION
0 - 53	**OVERBURDEN**
53 - 278	**QUARTZ-ANDALUSITE-PYROPHYLLITE ROCK** - local patches of quartz rock. 70.5-71.5 = fault zone 71.5-103 = Q and mag present, diminished andal and pyro. 125-132 = fault zone 155-177.5 = fault zone; sheared texture at 60° 192-200 = fault zone 262-271 = strongly fractured core
278 - 304.5	**FELDSPAR PORPHYRY DIKE** - upper contact 50°; chilled lower margin. Pinkish plag phenocrysts (1-10 mm), chloritized biotite phenocrysts. Grades into a dark green, clay-altered porphyry.
304.5 - 347	**ALTERED PORPHYRY(?)** - porphyritic texture nearly obliterated except for a few plag phenocrysts. Groundmass is clay altered. 314-337 = strongly broken core with local gouge 340-347 = strongly fractured core
347 - 420.5	**FELDSPAR PORPHYRY DIKE** - partially clay altered. Local xenoliths of a fine grained granitic-type rock. 347-349 = core strongly broken 351-354 = brecciated zone with gouge 412-419.5 = silicified(?) porphyry with intrusive texture nearly obliterated except for the odd plag phenocryst 419.5-420.5 = gouge zone

90-35, continued

420.5 - 435	**ALTERED PORPHYRY(?)** - with py to 4%.
435 - 437	**FELDSPAR PORPHYRY DIKE** - lower contact at 75°.
437 - 441	**ALTERED PORPHYRY(?)** - local quartz-pyrophyllite fragments in first several inches.
441 - 468	**QUARTZ-FELDSPAR PORPHYRY DIKE** - chilled upper margin, lower contact at 45°.
468 - 506.5	**ALTERED PORPHYRY(?)** - silicification; minor epidote veinlets and tiny phenocrysts. 483-495 = core strongly broken 499-508 = core strongly broken
506.5 - 539.5	**QUARTZ-FELDSPAR PORPHYRY DIKE**
539.5 - 547.5	**ALTERED PORPHYRY(?)** - sharp upper contact that is steep.
547.5 - 571	**QUARTZ-FELDSPAR PORPHYRY DIKE**
571	**EOH**

ASSAY DRILL LOG FOR DDH 90-17

COORDINATES: 11+93E
3+95S

BEARING: -
INCLINATION: -90
COLLAR ELEVATION: 5383'
TOTAL DEPTH: 707'

LABORATORIES: NO.1 Vangeochem Laboratories
NO.2 ACME Analytical Laboratories

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No. 2 % Cu	ppb Au	ppm Ag
90-17	90000A	12.0	18.0	6.0	0.0175	30	0.0			
"	90000B	18.0	24.0	6.0	0.0214	10	0.0			
"	90000C	24.0	30.0	6.0	0.0092	10	0.0			
"	90001	30.0	34.0	4.0	0.0313	0	0.2			
"	90002	34.0	40.0	6.0	0.1504	110	0.7			
"	90003	40.0	46.0	6.0	0.0827	60	0.3			
"	90004	46.0	52.0	6.0	0.0277	20	0.1			
"	90005	52.0	63.0	11.0	0.0163	20	0.1			
"	90006	63.0	71.0	8.0	0.0177	40	0.1			
"	90007	71.0	77.0	6.0	0.0571	30	0.5			
"	90008	77.0	82.0	5.0	0.1053	50	0.8			
"	90009	82.0	88.0	6.0	0.0415	50	0.4			
"	90010	88.0	94.0	6.0	0.0602	20	0.6			
"	90011	94.0	100.0	6.0	0.1090	100	0.7			
"	90012	100.0	106.0	6.0	0.0574	60	0.8			
"	90013	106.0	112.0	6.0	0.0461	40	0.3			
"	90014	112.0	118.0	6.0	0.0344	30	0.0			
"	90014A	120.0	126.0	6.0	0.0041	20	0.0			
"	90014B	126.0	131.0	5.0	0.0134	30	0.0			
"	90014C	131.0	136.0	5.0	0.0064	30	0.0			
"	90015	136.0	142.0	6.0	0.0029	10	0.0			
"	90016	142.0	148.0	6.0	0.0275	20	0.0			
"	90017	148.0	154.0	6.0	0.0392	50	0.3			
"	90017A	154.0	161.0	7.0	0.0391	30	0.3			
"	90017B	161.0	168.0	7.0	0.0074	20	0.0			
"	90018	168.0	174.0	6.0	0.0587	100	0.1			
"	90019	174.0	180.0	6.0	0.0096	10	0.0			
"	90020	180.0	186.0	6.0	0.0012	30	0.0			
"	90021	186.0	192.0	6.0	0.0193	20	0.2			
"	90022	192.0	198.0	6.0	0.0381	30	0.3			
"	90023	198.0	204.0	6.0	0.0332	20	0.4			
"	90024	204.0	210.0	6.0	0.0171	31	0.1			
"	90025	210.0	215.0	5.0	0.0348	40	0.3			
"	90026	215.0	221.0	6.0	0.1510	80	0.5			
"	90027	221.0	227.0	6.0	0.0270	30	0.2			
"	90027A	227.0	233.0	6.0	0.0119	30	0.1			
"	90027B	233.0	239.0	6.0	0.0074	10	0.2			
"	90027C	239.0	246.0	7.0	0.0174	50	0.3			
"	90028	246.0	252.0	6.0	0.1163	110	0.3			
"	90028A	252.0	257.0	5.0	0.0093	20	0.3			
"	90028B	257.0	262.0	5.0	0.0198	80	0.1			
"	90029	262.0	268.0	6.0	0.0586	50	0.2			
"	90030	268.0	274.0	6.0	0.0149	30	0.2			
"	90031	274.0	279.0	5.0	0.0360	40	0.3			

Taseko		Footage			Lab No. 1			Lab No. 2		
Hole No.	Sample	From	To	Interval	% Cu	ppb Au	ppm Ag	% Cu	ppb Au	ppm Ag
90-17	90032	279.0	285.5	6.5	0.0987	70	0.4			
"	90033	285.5	292.0	6.5	0.0409	1060	0.3			
"	90034	292.0	298.0	6.0	0.0448	40	0.4			
"	90035	298.0	304.5	6.5	0.0417	50	0.0			
"	90036	304.5	309.0	4.5	0.0184	50	0.0			
"	90037	309.0	313.5	4.5	0.0362	80	0.3			
"	90038	313.5	319.0	5.5	0.1193	50	0.4			
"	90039	319.0	326.0	7.0	0.0160	30	0.3			
"	90040	326.0	333.0	7.0	0.0448	50	0.2			
"	90041	333.0	335.0	2.0	0.0136	150	4.5			
"	90042	335.0	341.0	6.0	0.0135	40	0.0			
"	90043	341.0	347.0	6.0	0.1768	120	0.7			
"	90044	347.0	353.0	6.0	0.1160	80	0.3			
"	90045	353.0	359.0	6.0	1.0429	700	3.0			
"	90046	359.0	365.0	6.0	0.3552	130	1.0			
"	90047	365.0	372.0	7.0	0.3076	500	1.0			
"	90048	372.0	378.0	6.0	0.0359	50	0.0			
"	90049	378.0	384.0	6.0	0.0377	20	0.0			
"	90050	384.0	390.0	6.0	0.0723	30	0.1			
"	90051	390.0	396.0	6.0	0.0141	10	0.1			
"	90052	396.0	402.0	6.0	0.0714	10	0.1			
"	90053	402.0	408.0	6.0	0.0411	50	0.0			
"	90054	408.0	414.0	6.0	0.0292	20	0.2			
"	90055	414.0	420.0	6.0	0.0362	100	0.2			
"	90056	420.0	426.0	6.0	0.0952	70	0.3			
"	90057	426.0	432.0	6.0	0.2387	110	0.6			
"	90058	432.0	438.0	6.0	0.3153	270	0.6			
"	90059	438.0	444.0	6.0	0.0576	30	0.0			
"	90060	444.0	450.0	6.0	0.0732	30	0.0			
"	90061	450.0	456.0	6.0	0.1548	80	0.4			
"	90062	456.0	462.0	6.0	0.0575	50	0.1			
"	90063	462.0	467.0	5.0	0.1296	70	0.3			
"	90064	467.0	472.0	5.0	0.2472	70	0.7			
"	90065	472.0	479.0	7.0	0.7264	1210	2.7	0.7300	891	2.7
"	90066	479.0	485.0	6.0	0.5418	570	2.3	0.5500	1131	2.4
"	90067	485.0	491.0	6.0	0.7969	720	2.4	0.8000	651	3.4
"	90068	491.0	497.0	6.0	0.6412	840	1.7	0.6300	651	1.7
"	90069	497.0	503.0	6.0	1.0229	1310	2.7	1.0100	926	3.1
"	90070	503.0	509.0	6.0	1.1306	600	2.8	1.1600	1131	3.4
"	90071	509.0	515.0	6.0	1.0506	770	2.6	1.1000	926	2.4
"	90072	515.0	521.0	6.0	0.8391	450	1.5	0.8600	789	1.7
"	90073	521.0	527.0	6.0	0.4283	520	0.8	0.4200	480	1.0
"	90074	527.0	533.0	6.0	0.4787	440	1.0	0.4900	514	1.0
"	90075	533.0	539.0	6.0	1.8400	2200	5.6	1.9700	2674	6.5
"	90076	539.0	545.0	6.0	1.9000	2610	6.0	2.0800	2331	7.2
"	90077	545.0	551.0	6.0	1.8700	2000	6.3	2.0600	2297	7.2
"	90078	551.0	557.0	6.0	1.6648	1680	4.6	1.7600	1783	7.2
"	90079	557.0	563.0	6.0	1.2477	1160	4.3	1.2300	1440	5.5
"	90080	563.0	569.0	6.0	1.2699	1300	5.1	1.2600	1543	6.9
"	90081	569.0	575.0	6.0	1.9452	1570	6.6	1.9100	2297	8.9
"	90082	575.0	581.0	6.0	1.2394	1320	6.4	1.1900	1509	6.9
"	90083	581.0	587.0	6.0	3.1300	5000	13.1	3.4300	4423	17.5
"	90084	587.0	593.0	6.0	4.4100	6200	13.0	4.4700	7131	16.5
"	90085	593.0	599.0	6.0	3.5600	4800	10.2	3.6700	3634	12.3
"	90086	599.0	605.0	6.0	0.6015	590	1.2	0.5600	789	1.4

Taseko Hole No.	Sample	Footage From	Footage To	Interval	Lab No. 1 % Cu	Lab No. 1 ppb Au	Lab No. 1 ppm Ag	Lab No. 2 % Cu	Lab No. 2 ppb Au	Lab No. 2 ppm Ag
90-17	90087	605.0	611.0	6.0	1.4605	1350	4.2	1.4700	1440	4.8
"	90088	611.0	617.0	6.0	1.9905	2500	5.1	2.0100	2606	6.5
"	90089	617.0	623.0	6.0	0.2891	710	1.5	0.2700	994	1.4
"	90090	623.0	629.0	6.0	2.7000	5000	6.5	2.7600	5109	6.9
"	90091	629.0	635.0	6.0	1.2035	1480	2.9	1.1800	1269	3.1
"	90092	635.0	641.0	6.0	0.8014	850	1.7	0.7700	1166	1.7
"	90093	641.0	647.0	6.0	1.0621	1000	1.8	1.0400	960	1.4
"	90094	647.0	652.0	5.0	0.4819	380	0.5	0.5100	343	1.0
"	90095	652.0	657.0	5.0	0.2329	110	0.5			
"	90096	657.0	663.0	6.0	0.0189	40	0.2			
"	90096A	663.0	669.0	6.0	0.0100	0	0.0			
"	90096B	669.0	675.0	6.0	0.0141	0	0.0			
"	90096C	675.0	681.0	6.0	0.0050	0	0.0			

ASSAY DRILL LOG FOR DDH 90-18

COLLAR ELEVATION: 5406'
BEARING: -
INCLINATION: -90
TOTAL DEPTH: 627'

COORDINATES 10+03E
7+86S

LABORATORIES: NO.1 Vangeochem Laboratories
NO.2 ACME Analytical Laboratories

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-18	90097	10.0	16.0	6.0	0.1265	90	0.3		
"	90098	16.0	22.0	6.0	0.1415	210	0.2		
"	90099	22.0	28.0	6.0	0.0775	40	0.2		
"	90100	28.0	34.0	6.0	0.0643	40	0.4		
"	90101	34.0	39.0	5.0	0.0481	40	0.3		
"	90102	39.0	45.0	6.0	0.0872	20	0.2		
"	90103	45.0	51.0	6.0	0.0363	10	0.2		
"	90104	51.0	57.0	6.0	0.0386	10	0.1		
"	90105	57.0	63.0	6.0	0.1253	30	0.2		
"	90106	63.0	69.0	6.0	0.0697	20	0.2		
"	90107	69.0	74.0	5.0	0.0729	60	0.4		
"	90108	74.0	79.0	5.0	0.2684	50	0.8		
"	90109	79.0	85.0	6.0	0.2141	50	1.0		
"	90110	85.0	90.0	5.0	0.0533	490	0.4		
"	90111	90.0	96.0	6.0	0.0679	600	0.5		
"	90112	96.0	102.0	6.0	0.0041	50	0.1		
"	90113	102.0	108.5	6.5	0.0044	20	0.2		
"	90114	108.5	115.0	6.5	0.0650	50	0.3		
"	90115	115.0	121.0	6.0	0.1936	100	0.3		
"	90116	121.0	127.0	6.0	0.1152	1400	0.3		
"	90117	127.0	133.0	6.0	0.1549	70	0.4		
"	90118	133.0	139.0	6.0	0.0502	50	0.1		
"	90119	139.0	145.0	6.0	0.1238	80	0.2		
"	90120	145.0	151.0	6.0	0.0908	50	0.3		
"	90121	151.0	157.0	6.0	0.1483	100	0.8		
"	90122	157.0	163.0	6.0	0.1527	430	1.0		
"	90123	163.0	169.0	6.0	0.3718	560	2.7	0.36	617
"	90124	169.0	175.0	6.0	0.6645	730	3.5	0.69	1029
"	90125	175.0	181.0	6.0	0.6067	1240	3.3	0.62	1406
"	90126	181.0	187.0	6.0	0.5575	970	2.8	0.60	926
"	90127	187.0	193.0	6.0	0.7118	700	4.0	0.72	754
"	90128	193.0	199.0	6.0	0.7519	2605	4.7	0.79	3051
"	90129	199.0	205.0	6.0	0.3040	480	2.3	0.32	583
"	90130	205.0	210.0	5.0	0.1965	380	2.3	0.21	309
"	90131	210.0	217.0	7.0	0.1068	80	1.8	0.12	103
"	90132	217.0	223.0	6.0	0.1626	220	1.9	0.17	171
"	90133	223.0	228.0	5.0	0.4560	580	3.4	0.48	583
"	90134	228.0	233.0	5.0	0.3935	370	2.6	0.41	480
"	90135	233.0	239.0	6.0	0.7356	330	5.1	0.77	411
"	90136	239.0	244.0	5.0	0.9661	580	6.9	0.96	823
"	90137	244.0	250.0	6.0	0.1017	100	1.5	0.10	34
"	90138	250.0	256.0	6.0	0.0742	120	0.5	0.09	34
"	90139	256.0	262.0	6.0	0.0655	50	0.9	0.08	69
"	90140	262.0	268.0	6.0	0.1548	200	1.3	0.17	137

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-18	90141	268.0	274.0	6.0	0.3020	450	0.6	0.32	583
"	90142	274.0	280.0	6.0	0.0753	430	0.2	0.08	103
"	90143	280.0	286.0	6.0	0.0691	280	0.2	0.08	309
"	90144	286.0	292.0	6.0	0.0721	40	0.0	0.08	137
"	90145	292.0	298.0	6.0	0.2118	200	0.4	0.23	240
"	90146	298.0	304.0	6.0	0.1817	180	0.2	0.19	137
"	90147	304.0	310.0	6.0	0.0278	100	0.0	0.03	34
"	90148	310.0	316.0	6.0	0.0147	30	0.0	0.02	34
"	901379	316.0	322.0	6.0	0.0600	70	0.3	0.08	240
"	90150	322.0	328.0	6.0	0.0937	90	0.0	0.10	274
"	90151	328.0	334.0	6.0	0.0233	40	0.1	0.03	34
"	90152	334.0	340.0	6.0	0.0743	510	0.1	0.08	617
"	90153	340.0	346.0	6.0	0.0363	80	0.3	0.04	34
"	90154	346.0	351.0	5.0	0.0766	60	0.2	0.07	34
"	90155	351.0	357.0	6.0	0.4990	560	1.0	0.52	617
"	90156	357.0	363.0	6.0	0.3424	140	0.5	0.37	171
"	90157	363.0	369.0	6.0	0.7342	770	0.7	0.78	651
"	90158	369.0	375.0	6.0	1.1432	1090	1.0	1.18	1131
"	90159	375.0	381.0	6.0	0.6625	440	0.4	0.71	549
"	90160	381.0	387.0	6.0	0.7676	860	0.9	0.84	891
"	90161	387.0	393.0	6.0	0.9317	870	0.8	0.89	720
"	901380	393.0	399.0	6.0	1.0736	1370	1.7	1.39	1474
"	90163	399.0	405.0	6.0	1.1150	970	1.0	1.21	1131
"	90164	405.0	411.0	6.0	0.9994	830	1.0	1.10	891
"	90165	411.0	417.0	6.0	1.1998	880	1.2	1.25	960
"	90166	417.0	423.0	6.0	1.5589	1270	1.3	1.56	1371
"	90167	423.0	429.0	6.0	0.8758	750	0.9	0.94	754
"	90168	429.0	435.0	6.0	1.3057	340	1.3	1.45	1543
"	90169	435.0	441.0	6.0	0.4265	1370	1.0	0.46	446
"	90170	441.0	447.0	6.0	1.4515	1730	3.4	1.54	2126
"	90171	447.0	453.0	6.0	1.4230	1430	1.5	1.54	1851
"	90172	453.0	459.0	6.0	0.7506	1450	1.0	0.84	994
"	90173	459.0	464.0	5.0	0.5870	480	0.9	0.58	720
"	90174	464.0	470.0	6.0	1.4875	1490	3.0	1.67	1749
"	90175	470.0	476.0	6.0	0.7578	660	1.2	0.85	720
"	90176	476.0	482.0	6.0	0.4675	390	0.8	0.54	343
"	90177	482.0	488.0	6.0	0.4513	390	1.1	0.53	377
"	90178	488.0	494.0	6.0	0.8945	690	1.3	1.07	891
"	90179	494.0	500.0	6.0	0.3952	330	0.8	0.48	411
"	90180	500.0	506.0	6.0	0.3199	250	0.6	0.35	411
"	90181	506.0	512.0	6.0	0.2798	450	0.6	0.31	720
"	90182	512.0	519.0	7.0	0.1231	80	0.1		
"	90183	519.0	525.0	6.0	0.1656	70	0.3		
"	90184	525.0	531.0	6.0	0.1906	100	0.1		
"	90185	531.0	537.0	6.0	0.1199	70	0.4		
"	90186	537.0	543.0	6.0	0.1285	70	0.1		
"	90187	543.0	549.0	6.0	0.0852	70	0.1		
"	90188	549.0	555.0	6.0	0.1406	40	0.2		
"	90189	555.0	561.0	6.0	0.0717	0	0.1		
"	90190	561.0	567.0	6.0	0.2270	130	0.2		
"	90191	567.0	573.0	6.0	0.1887	70	0.3		
"	90192	573.0	579.0	6.0	0.1540	20	0.2		
"	90193	579.0	585.0	6.0	0.2465	160	0.4		
"	90194	585.0	591.0	6.0	0.1252	40	0.3		
"	90195	591.0	597.0	6.0	0.0592	10	0.2		
"	90196	597.0	603.0	6.0	0.0216	0	0.0		
"	90197	603.0	607.5	4.5	0.0355	20	0.2		
"	90198	607.5	611.0	3.5	0.0057	0	0.1		
"	NS	611.0	622.0	11.0					
"	90199	622.0	627.0	5.0	0.0047	0	0.3		

ASSAY DRILL LOG FOR DDH 90-19

COORDINATES 14+02E
9+68S

COLLAR ELEVATION: 5427'
BEARING: -
INCLINATION: -90
TOTAL DEPTH: 687'

LABORATORIES: NO.1 Vangeochem Laboratories

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag
90-19	90200	11.0	17.0	6.0	0.0573	0	0.5
"	90201	17.0	23.0	6.0	0.0292	0	0.1
"	90202	23.0	29.0	6.0	0.0457	0	0.2
"	90203	29.0	34.0	5.0	0.0611	60	0.6
"	90204	34.0	39.0	5.0	0.1026	30	0.6
"	90205	39.0	44.0	5.0	0.0269	0	0.1
"	90206	44.0	50.0	6.0	0.1887	60	0.3
"	90207	50.0	56.0	6.0	0.2048	320	0.3
"	90208	56.0	62.0	6.0	0.0861	20	0.3
"	90209	62.0	68.5	6.5	0.1276	110	0.4
"	90210	68.5	75.0	6.5	0.0920	20	0.4
"	90211	75.0	81.0	6.0	0.0802	1100	0.2
"	90212	81.0	87.0	6.0	0.1141	90	0.3
"	90213	87.0	93.0	6.0	0.1072	110	0.3
"	90214	93.0	99.0	6.0	0.0856	110	0.3
"	90215	99.0	105.0	6.0	0.1125	110	0.4
"	90216	105.0	111.0	6.0	0.1452	330	0.3
"	90217	111.0	117.0	6.0	0.0061	280	0.4
"	90218	117.0	123.0	6.0	0.0346	90	0.3
"	90219	123.0	129.0	6.0	0.1153	90	0.2
"	90220	129.0	135.0	6.0	0.0404	30	0.2
"	90221	135.0	141.0	6.0	0.0660	60	0.2
"	90222	141.0	147.0	6.0	0.0816	60	0.2
"	90223	147.0	153.0	6.0	0.3809	290	0.5
"	90224	153.0	159.0	6.0	0.1147	70	0.3
"	90225	159.0	165.0	6.0	0.1546	80	0.4
"	90226	165.0	170.0	5.0	0.1535	120	0.4
"	90227	170.0	175.0	5.0	0.2812	170	0.3
"	90228	175.0	181.0	6.0	0.0298	40	0.2
"	90229	181.0	187.0	6.0	0.0910	30	0.3
"	90230	187.0	183.0	6.0	0.1215	70	0.2
"	90231	183.0	199.0	6.0	0.1657	180	0.3
"	90232	199.0	205.0	6.0	0.1239	80	0.2
"	90233	205.0	211.0	6.0	0.1731	90	0.3
"	90234	211.0	217.0	6.0	0.1729	140	0.4
"	90235	217.0	223.0	6.0	0.2227	650	0.4
"	90236	223.0	229.0	6.0	0.2572	250	0.5
"	90237	229.0	235.0	6.0	0.0772	0	0.3
"	90238	235.0	241.0	6.0	0.1212	0	0.3
"	90239	241.0	247.0	6.0	0.0688	0	0.2
"	90240	247.0	253.0	6.0	0.0738	180	0.2
"	90241	253.0	259.0	6.0	0.0246	10	0.3
"	90242	259.0	265.0	6.0	0.0877	10	0.2
"	90243	265.0	271.0	6.0	0.2175	180	0.3
"	90244	271.0	277.0	6.0	0.4192	630	0.5

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag
90-19	90245	277.0	283.0	6.0	0.1703	70	0.5
"	90246	283.0	289.0	6.0	0.1389	150	0.3
"	90247	289.0	295.0	6.0	0.3746	600	0.6
"	90248	295.0	300.0	5.0	0.6045	650	3.2
"	90249	300.0	305.0	5.0	0.2718	420	0.4
"	90250	305.0	311.0	6.0	0.3803	330	0.5
"	90251	311.0	317.0	6.0	0.1352	30	0.5
"	90252	317.0	323.0	6.0	0.1094	30	0.3
"	90253	323.0	329.0	6.0	0.0711	10	0.2
"	90254	329.0	335.0	6.0	0.2113	230	0.5
"	90255	335.0	342.0	7.0	0.1136	10	0.4
"	90256	342.0	348.0	6.0	0.1253	130	0.4
"	90257	348.0	353.0	5.0	0.0526	20	0.4
"	90258	353.0	360.0	7.0	0.2217	220	0.5
"	90259	360.0	366.0	6.0	0.0762	10	0.2
"	90260	366.0	372.0	6.0	0.0476	10	0.2
"	90261	372.0	378.0	6.0	0.0914	10	0.2
"	90262	378.0	384.0	6.0	0.1508	0	0.1
"	90263	384.0	390.0	6.0	0.1797	0	0.3
"	90264	390.0	396.0	6.0	0.1621	0	0.4
"	90265	396.0	402.0	6.0	0.0615	0	0.2
"	90266	402.0	408.0	6.0	0.0099	0	0.2
"	90267	408.0	414.0	6.0	0.0377	0	0.2
"	90268	414.0	420.0	6.0	0.0733	0	0.1
"	90269	420.0	426.0	6.0	0.0546	0	0.2
"	90270	426.0	432.0	6.0	0.0873	0	0.3
"	90271	432.0	438.0	6.0	0.0932	20	0.2
"	90272	438.0	444.0	6.0	0.0667	20	0.2
"	90273	444.0	450.0	6.0	0.0819	10	0.1
"	90274	450.0	456.0	6.0	0.0611	10	0.1
"	90275	456.0	462.0	6.0	0.0622	0	0.1
"	90276	462.0	468.0	6.0	0.0665	320	0.1
"	90277	468.0	474.0	6.0	0.0691	30	0.2
"	90278	474.0	480.0	6.0	0.0783	0	0.2
"	90279	480.0	486.0	6.0	0.1644	30	0.1
"	90280	486.0	492.0	6.0	0.1407	20	0.0
"	90281	492.0	498.0	6.0	0.0775	20	0.0
"	90282	498.0	504.0	6.0	0.1587	20	0.1
"	90283	504.0	510.0	6.0	0.0602	20	0.8
"	90284	510.0	516.0	6.0	0.1094	30	0.1
"	90285	516.0	521.0	5.0	0.2763	100	0.3
"	90286	521.0	526.0	5.0	0.0727	40	0.1
"	90287	526.0	531.0	5.0	0.0506	50	0.0
"	90288	531.0	537.0	6.0	0.1030	60	0.0
"	90289	537.0	543.0	6.0	0.1092	50	0.1
"	90290	543.0	549.0	6.0	0.0454	40	0.0
"	90291	549.0	555.0	6.0	0.2470	80	0.2
"	90292	555.0	561.0	6.0	0.2585	100	0.3
"	90293	561.0	567.0	6.0	0.1050	60	0.0
"	90294	567.0	573.0	6.0	0.0577	40	0.0
"	90295	573.0	579.0	6.0	0.0507	20	0.0
"	90296	579.0	585.0	6.0	0.0670	30	0.0
"	90297	585.0	591.0	6.0	0.3666	430	1.2
"	90298	591.0	597.0	6.0	0.1453	90	0.1

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag
90-19	90299	597.0	603.0	6.0	0.0778	30	0.1
"	90300	603.0	609.0	6.0	0.0813	40	0.0
"	90301	609.0	615.0	6.0	0.1476	60	0.7
"	90302	615.0	621.0	6.0	0.1544	80	0.6
"	90303	621.0	627.0	6.0	0.1688	50	0.0
"	90304	627.0	632.0	5.0	0.1317	70	0.2
"	90305	632.0	636.5	4.5	0.2689	130	1.1
"	90306	636.5	641.0	4.5	0.0315	10	0.0
"	90307	641.0	646.0	5.0	0.0081	60	0.0
"	90308	646.0	651.0	5.0	0.0387	30	0.0
"	90309	651.0	657.0	6.0	0.1923	110	1.1
"	90310	657.0	663.0	6.0	0.0782	50	0.0
"	90311	663.0	667.0	4.0	0.1397	60	0.0
"	90312	667.0	671.0	4.0	0.0604	30	0.0
"	90313	671.0	677.0	6.0	0.0186	10	0.0
"	90314	677.0	682.0	5.0	0.0053	20	0.0

ASSAY DRILL LOG FOR DDH 90-20

COORDINATES 15+24E
5+43S

COLLAR ELEVATION: 5413'
BEARING: -
INCLINATION: -90
TOTAL DEPTH: 712'

LABORATORIES: NO.1 Vangeochem Laboratories
NO.2 ACME Analytical Laboratories

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-20	90315	16.0	22.0	6.0	0.0767	70	0.0		
"	90316	22.0	29.0	7.0	0.2904	490	0.7		
"	90317	29.0	35.0	6.0	0.2808	300	0.4		
"	90318	35.0	42.0	7.0	0.0425	10	0.0		
"	90319	42.0	48.0	6.0	0.0524	70	0.0		
"	90320	48.0	54.0	6.0	0.0702	60	0.0		
"	90321	54.0	60.0	6.0	0.1060	110	0.0		
"	90322	60.0	66.0	6.0	0.0405	30	0.0		
"	90323	66.0	72.0	6.0	0.3406	240	1.2		
"	90324	72.0	78.0	6.0	0.9877	700	5.0		
"	90325	78.0	84.0	6.0	0.2035	110	0.7		
"	90326	84.0	90.0	6.0	0.4335	500	1.6		
"	90327	90.0	96.0	6.0	0.1589	110	0.2		
"	90328	96.0	102.0	6.0	0.2481	190	0.6		
"	90329	102.0	108.0	6.0	0.1106	70	0.2		
"	90330	108.0	114.0	6.0	0.0817	70	0.1		
"	90331	114.0	120.0	6.0	0.0773	40	0.0		
"	90332	120.0	126.0	6.0	0.1047	60	0.2		
"	90333	126.0	132.0	6.0	0.0447	70	0.0		
"	90334	132.0	138.0	6.0	0.0479	50	0.0		
"	90335	138.0	144.0	6.0	0.0751	60	0.0		
"	90336	144.0	150.0	6.0	0.5683	550	1.7		
"	90337	150.0	156.0	6.0	0.5171	500	0.5		
"	90338	156.0	162.0	6.0	0.3122	120	0.1		
"	90339	162.0	167.0	5.0	0.2921	580	2.1		
"	90340	167.0	172.0	5.0	0.1726	100	0.0		
"	90341	172.0	178.0	6.0	0.0607	20	0.0		
"	90342	178.0	184.0	6.0	0.0540	40	0.0		
"	90343	184.0	190.0	6.0	0.0521	10	0.0		
"	90344	190.0	196.0	6.0	0.0207	10	0.0		
"	90345	196.0	202.0	6.0	0.0066	10	0.0		
"	90346	202.0	208.0	6.0	0.0366	90	0.0		
"	90347	208.0	214.0	6.0	0.0308	30	0.0		
"	90348	214.0	220.0	6.0	0.0244	20	0.0		
"	90349	220.0	227.0	7.0	0.0703	60	0.0		
"	90350	227.0	233.0	6.0	0.1771	70	0.3		
"	90351	233.0	239.0	6.0	0.1003	40	0.2		
"	90352	239.0	245.0	6.0	0.0794	80	0.0		
"	90353	245.0	251.0	6.0	0.1439	110	0.2		
"	90354	251.0	257.0	6.0	0.2091	110	0.8		
"	90355	257.0	263.0	6.0	0.3418	180	1.9		
"	90356	263.0	269.0	6.0	0.0636	20	0.0		
"	90357	269.0	275.0	6.0	0.1909	190	0.3		
"	90358	275.0	281.0	6.0	0.3981	600	0.9		

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-20	90359	281.0	287.0	6.0	0.3784	230	0.8		
"	90360	287.0	293.0	6.0	0.0543	50	0.0		
"	90361	293.0	299.0	6.0	0.0279	50	0.0		
"	90362	299.0	304.5	5.5	0.0413	40	0.0		
"	90363	304.5	310.0	5.5	0.0561	90	0.0		
"	90364	310.0	316.0	6.0	0.0972	90	0.0		
"	90365	316.0	322.0	6.0	0.3836	260	0.4		
"	90366	322.0	328.0	6.0	0.3644	230	0.2		
"	90367	328.0	334.0	6.0	0.6579	860	1.5		
"	90368	334.0	340.0	6.0	0.3827	180	0.5		
"	90369	340.0	346.0	6.0	0.3505	140	0.4		
"	90370	346.0	352.0	6.0	0.0706	50	0.2		
"	90371	352.0	358.0	6.0	0.2326	50	0.1		
"	90372	358.0	364.0	6.0	0.1556	20	0.0		
"	90373	364.0	370.0	6.0	0.0586	10	0.0		
"	90374	370.0	376.0	6.0	0.0356	20	0.0		
"	90375	376.0	382.0	6.0	0.0320	40	0.0		
"	90376	382.0	388.0	6.0	0.0192	20	0.0		
"	90377	388.0	394.0	6.0	0.0338	20	0.0		
"	90378	394.0	400.0	6.0	0.0510	50	0.0		
"	90379	400.0	406.0	6.0	0.0395	20	0.0		
"	90380	406.0	412.0	6.0	0.0177	20	0.0		
"	90381	412.0	418.0	6.0	0.0343	10	0.0		
"	90382	418.0	424.0	6.0	0.0364	10	0.2		
"	90383	424.0	430.0	6.0	0.0232	0	0.0		
"	90384	430.0	436.0	6.0	0.0274	0	0.0		
"	90385	436.0	442.0	6.0	0.0161	10	0.0		
"	90386	442.0	448.0	6.0	0.0242	10	0.0		
"	90387	448.0	454.0	6.0	0.0433	10	0.0		
"	90388	454.0	460.0	6.0	0.0204	10	0.0		
"	90389	460.0	466.0	6.0	0.0088	10	0.0		
"	90390	466.0	472.0	6.0	0.0128	30	0.0		
"	90391	472.0	478.0	6.0	0.0600	40	0.0		
"	90392	478.0	484.0	6.0	0.0370	30	0.0		
"	90393	484.0	490.0	6.0	0.0330	50	0.0		
"	90394	490.0	496.0	6.0	0.0587	20	0.0		
"	90395	496.0	502.0	6.0	0.0476	30	0.0		
"	90396	502.0	508.0	6.0	0.0151	10	0.0		
"	90397	508.0	514.0	6.0	0.0411	20	0.0		
"	90398	514.0	520.0	6.0	0.1576	300	0.0		
"	90399	520.0	525.0	5.0	0.0886	20	0.0		
"	90400	525.0	530.0	5.0	0.0463	10	0.0		
"	90401	530.0	536.0	6.0	0.1326	70	0.1		
"	90402	536.0	542.0	6.0	0.0947	10	0.1		
"	90403	542.0	548.0	6.0	0.0725	10	0.0		
"	90404	548.0	554.0	6.0	0.1211	30	0.0		
"	90405	554.0	560.0	6.0	0.4446	60	0.0	0.59	69
"	90406	560.0	566.0	6.0	0.2697	40	0.7	0.22	171
"	90407	566.0	572.0	6.0	0.3125	190	0.2	0.41	274
"	90408	572.0	578.0	6.0	0.4098	210	0.7	0.49	343
"	90409	578.0	584.0	6.0	0.3293	160	0.2	0.36	309
"	90410	584.0	590.0	6.0	0.4762	560	0.8	0.62	480
"	90411	590.0	596.0	6.0	0.4337	330	0.4	0.47	377
"	90412	596.0	602.0	6.0	0.8664	980	1.2	1.08	1029
"	90413	602.0	608.0	6.0	0.6737	730	1.0	0.70	651

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-20	90414	608.0	614.0	6.0	0.2176	60	0.3	0.12	137
"	90415	614.0	620.0	6.0	0.1446	50	0.1	0.19	206
"	90416	620.0	626.0	6.0	0.1283	40	0.0	0.14	103
"	90417	626.0	632.0	6.0	0.1928	660	0.4	0.23	343
"	90418	632.0	638.0	6.0	0.2861	360	0.7	0.34	343
"	90419	638.0	644.0	6.0	0.3096	460	0.4	0.35	309
"	90420	644.0	650.0	6.0	0.2810	150	0.4	0.31	411
"	90421	650.0	656.0	6.0	0.4393	790	1.1	0.55	994
"	90422	656.0	662.0	6.0	0.1426	30	0.0	0.04	34
"	90423	662.0	667.0	5.0	0.0345	30	0.0	0.03	34
"	90424	667.0	673.0	6.0	0.3284	510	0.8	0.49	343
"	90425	673.0	679.0	6.0	0.1862	60	0.0		
"	90426	679.0	685.0	6.0	0.1011	30	0.0		
"	90427	685.0	691.0	6.0	0.1690	160	0.2		
"	90428	691.0	696.0	5.0	0.1507	50	0.1		
"	90429	696.0	700.5	4.5	0.1360	50	0.1		
"	90430	700.5	706.0	5.5	0.0572	20	0.0		
"	90431	706.0	712.0	6.0	0.0108	20	0.0		

ASSAY DRILL LOG FOR DDH 90-21

COORDINATES: 10+86E
6+22S

COLLAR ELEVATION: 5405'
BEARING: -
INCLINATION: -90
TOTAL DEPTH: 727'

LABORATORIES: NO.1 Vangeochem Laboratories
NO.2 ACME Analytical Laboratories

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 %Cu	ppb Au
90-21	90432	9.5	15.0	5.5	0.1372	100	0.0		
"	90433	15.0	21.0	6.0	0.1186	20	0.0		
"	90434	21.0	27.0	6.0	0.0609	10	0.0		
"	90435	27.0	34.0	7.0	0.0276	20	0.0		
"	90436	34.0	40.0	6.0	0.1401	120	0.6		
"	90437	40.0	46.0	6.0	0.1776	50	0.1		
"	90438	46.0	52.0	6.0	0.8187	1320	1.8		
"	90439	52.0	58.0	6.0	0.2243	80	0.0		
"	90440	58.0	64.0	6.0	0.1677	110	0.1		
"	90441	64.0	70.0	6.0	0.0827	70	0.0		
"	90442	70.0	77.0	7.0	0.1351	70	0.1		
"	90443	77.0	84.0	7.0	0.0636	10	0.0		
"	90444	84.0	91.0	7.0	0.0415	20	0.0		
"	90445	91.0	98.0	7.0	0.0515	20	0.0		
"	90446	98.0	105.0	7.0	0.0340	40	0.0		
"	90447	105.0	111.0	6.0	0.0439	30	0.0		
"	90448	111.0	117.0	6.0	0.0194	10	0.0		
"	90449	117.0	123.0	6.0	0.0153	10	0.0		
"	90450	123.0	129.0	6.0	0.0126	0	0.0		
"	90451	129.0	135.0	6.0	0.0078	10	0.0		
"	90452	135.0	141.0	6.0	0.0161	30	0.0		
"	90453	141.0	147.0	6.0	0.0484	40	0.0		
"	90454	147.0	153.0	6.0	0.0858	40	0.0		
"	90455	153.0	158.0	5.0	0.0544	20	0.0		
"	90456	158.0	163.0	5.0	0.0750	30	0.0		
"	90457	163.0	169.0	6.0	0.1178	30	0.1		
"	90458	169.0	175.0	6.0	0.1168	40	0.1		
"	90459	175.0	180.0	5.0	0.0744	20	0.0		
"	90460	180.0	184.0	4.0	0.0420	30	0.0		
"	90461	184.0	190.0	6.0	0.0271	40	0.0		
"	90462	190.0	196.0	6.0	0.0216	10	0.0		
"	90463	196.0	202.0	6.0	0.0278	40	0.0		
"	90464	202.0	208.0	6.0	0.0437	50	0.0		
"	90465	208.0	214.0	6.0	0.0772	60	0.2		
"	90466	214.0	221.0	7.0	0.0380	100	0.0		
"	NS	221.0	237.5	16.5					
"	90467	237.5	243.0	5.5	0.0390	30	0.1		
"	90468	243.0	249.0	6.0	0.0174	60	0.1		
"	90469	249.0	255.0	6.0	0.0527	80	0.0		
"	90470	255.0	262.0	7.0	0.0122	30	0.0		
"	90471	262.0	268.5	6.5	0.0189	0	0.0		
"	90472	268.5	275.0	6.5	0.0239	0	0.0		
"	90473	275.0	281.0	6.0	0.0489	0	0.0		

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 %Cu	ppb Au
90-21	90474	281.0	287.0	6.0	0.0634	0	0.0		
"	90475	287.0	293.0	6.0	0.0336	0	0.0		
"	90476	293.0	299.0	6.0	0.0296	0	0.0		
"	90477	299.0	305.0	6.0	0.0487	80	0.0		
"	90478	305.0	311.0	6.0	0.0376	20	0.0		
"	90479	311.0	317.0	6.0	0.0232	10	0.0		
"	90480	317.0	323.0	6.0	0.0322	0	0.0		
"	90481	323.0	329.0	6.0	0.0167	20	0.0		
"	90482	329.0	335.0	6.0	0.0545	170	0.0		
"	90483	335.0	341.0	6.0	0.0033	40	0.0		
"	90484	341.0	347.0	6.0	0.0032	20	0.0		
"	90485	347.0	353.0	6.0	0.0119	0	0.0		
"	90486	353.0	359.0	6.0	0.0158	0	0.0		
"	90487	359.0	365.0	6.0	0.0160	0	0.0		
"	90488	365.0	371.0	6.0	0.0204	0	0.0		
"	90489	371.0	377.0	6.0	0.0390	0	0.0		
"	90490	377.0	383.0	6.0	0.0297	100	0.0		
"	90491	383.0	389.0	6.0	0.0135	0	0.0		
"	90492	389.0	395.0	6.0	0.0238	0	0.0		
"	90493	395.0	401.0	6.0	0.1133	4000	0.0	0.13	3737
"	90494	401.0	407.0	6.0	0.0243	20	0.0	0.03	34
"	90495	407.0	413.0	6.0	0.0297	30	0.0	0.03	34
"	90496	413.0	419.0	6.0	0.0428	40	0.0	0.05	34
"	90497	419.0	425.0	6.0	0.0411	40	0.0	0.04	34
"	90498	425.0	431.0	6.0	0.0307	80	0.0	0.03	34
"	90499	431.0	437.0	6.0	0.0422	380	0.0	0.05	34
"	90500	437.0	443.0	6.0	0.0537	40	0.0	0.06	34
"	90501	443.0	449.0	6.0	0.0543	20	0.0	0.06	34
"	90502	449.0	455.0	6.0	0.0942	40	0.0	0.11	34
"	90503	455.0	461.0	6.0	0.0689	30	0.0	0.08	34
"	90504	461.0	467.0	6.0	0.2470	120	0.2	0.26	137
"	90505	467.0	473.0	6.0	0.4429	370	0.2	0.51	343
"	90506	473.0	479.0	6.0	0.5932	750	0.7	0.65	617
"	90507	479.0	485.0	6.0	0.3853	90	0.2	0.44	171
"	90508	485.0	491.0	6.0	0.2484	140	0.0	0.29	171
"	90509	491.0	497.0	6.0	0.3710	20	0.3	0.42	343
"	90510	497.0	503.0	6.0	0.2504	160	0.1	0.30	206
"	90511	503.0	509.0	6.0	0.5995	600	0.8	0.70	651
"	90512	509.0	515.0	6.0	1.6565	1200	1.9	1.20	1440
"	90513	515.0	521.0	6.0	2.4200	2240	3.3	2.33	2434
"	90514	521.0	527.0	6.0	0.9740	1220	1.7	1.09	1131
"	90515	527.0	533.0	6.0	1.3052	1620	1.9	1.53	1509
"	90516	533.0	539.0	6.0	0.8060	930	2.9	0.91	960
"	90517	539.0	545.0	6.0	2.5800	2400	3.1	2.42	2674
"	90518	545.0	551.0	6.0	2.8800	3000	6.4	2.71	3463
"	90519	551.0	557.0	6.0	1.8274	1790	2.8	2.16	2434
"	90520	557.0	563.0	6.0	1.9445	2010	3.5	2.15	2537
"	90521	563.0	569.0	6.0	1.4479	2520	2.0	1.69	1749
"	90522	569.0	575.0	6.0	0.4811	530	0.9	0.56	549
"	90523	575.0	581.0	6.0	0.2697	150	0.2	0.30	240
"	90524	581.0	587.0	6.0	0.2795	200	0.0	0.30	309
"	90525	587.0	593.0	6.0	0.2313	180	0.1	0.26	274
"	90526	593.0	599.0	6.0	0.2930	200	0.2	0.32	309
"	90527	599.0	605.0	6.0	0.8737	1450	1.6	0.99	1234
"	90528	605.0	610.0	5.0	2.4200	2160	3.5	2.30	2091

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 %Cu	ppb Au
90-21	90529	610.0	615.0	5.0	0.5497	720	2.2	0.54	720
"	90530	615.0	621.0	6.0	4.6500	7500	27.0	4.32	7749
"	90531	621.0	627.0	6.0	0.9495	1400	2.8	0.96	1577
"	90532	627.0	633.0	6.0	0.1453	120	0.7	0.14	206
"	90533	633.0	639.0	6.0	0.0918	150	0.3	0.10	137
"	90534	639.0	645.0	6.0	0.0530	90	0.3	0.05	34
"	90535	645.0	651.0	6.0	0.0667	80	0.5	0.09	103
"	90536	651.0	657.0	6.0	0.0934	90	0.6	0.11	137
"	90537	657.0	663.0	6.0	0.3656	1640	1.9	0.41	2126
"	90538	663.0	669.0	6.0	0.2134	140	0.5	0.24	240
"	90539	669.0	675.0	6.0	0.1215	360	2.9	0.15	411
"	90540	675.0	681.0	6.0	0.1224	470	0.7	0.15	514
"	90541	681.0	687.0	6.0	0.1508	100	0.5	0.16	171
"	90542	687.0	693.0	6.0	0.0381	20	0.1	0.04	69
"	90543	693.0	699.0	6.0	0.6857	1810	2.3	0.79	789
"	90544	699.0	705.0	6.0	0.5255	540	2.2	0.60	514
"	90545	705.0	711.0	6.0	0.2870	200	0.9	0.31	309
"	90546	711.0	718.0	7.0	0.4490	580	1.5	0.55	686
"	90547	718.0	723.0	5.0	0.0480	0	0.1		

ASSAY DRILL LOG FOR DDH 90-22

COORDINATES 9+99E
4+00S

COLLAR ELEVATION: 5384'
BEARING: -
INCLINATION: -90
TOTAL DEPTH: 693'

LABORATORIES: NO.1 Vangeochem Laboratories
NO.2 ACME Analytical Laboratories

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-22	90548	10.0	20.0	10.0	0.0249	0	0.0		
"	90549	20.0	26.0	6.0	0.2801	420	0.7		
"	90550	26.0	32.0	6.0	0.0475	20	0.0		
"	90551	32.0	38.0	6.0	0.0380	0	0.0		
"	90552	38.0	44.0	6.0	0.0446	0	0.0		
"	90553	44.0	50.0	6.0	0.1462	150	0.0		
"	90554	50.0	56.0	6.0	0.1689	150	0.0		
"	90555	56.0	62.0	6.0	0.0213	10	0.0		
"	90556	62.0	68.0	6.0	0.0769	20	0.0		
"	NS	68.0	101.0	33.0					
"	90557	101.0	107.0	6.0	0.0046	0	0.0		
"	NS	107.0	137.0	30.0					
"	90558	137.0	143.0	6.0	0.0262	70	0.0		
"	NS	143.0	171.0	28.0					
"	90559	171.0	177.0	6.0	0.0171	20	0.0		
"	NS	177.0	204.5	27.5					
"	NS	204.5	217.0	12.5					
"	90560	217.0	223.0	6.0	0.0271	10	0.0		
"	90561	223.0	228.0	5.0	0.0094	20	0.0		
"	NS	228.0	260.0	32.0					
"	90562	260.0	266.0	6.0	0.0891	140	0.1		
"	90563	266.0	272.0	6.0	0.0927	90	0.0		
"	90564	272.0	278.0	6.0	0.0543	30	0.0		
"	90565	278.0	285.0	7.0	0.0780	60	0.0		
"	90566	285.0	292.0	7.0	0.0744	110	0.1		
"	90567	292.0	298.0	6.0	0.0262	40	0.2		
"	90568	298.0	304.5	6.5	0.0235	30	0.0		
"	NS	304.5	331.0	26.5					
"	90569	331.0	336.0	5.0	0.0113	20	0.0		
"	90570	336.0	342.0	6.0	0.0228	70	0.0		
"	NS	342.0	360.0	18.0					
"	90571	360.0	366.0	6.0	0.0102	10	0.0		
"	NS	366.0	397.0	31.0					
"	90572	397.0	403.0	6.0	0.0278	40	0.0		
"	NS	403.0	444.0	41.0					
"	90573	444.0	450.0	6.0	0.0336	30	0.0		
"	90574	450.0	455.0	5.0	0.0870	110	0.1		
"	90575	455.0	461.0	6.0	0.0790	90	0.1		
"	90576	461.0	467.0	6.0	0.0391	110	0.1		
"	90577	467.0	472.0	5.0	0.0547	50	0.0		
"	90578	472.0	477.0	5.0	0.4176	530	0.5	0.49	549
"	90579	477.0	481.0	4.0	0.7976	1450	3.3	0.92	1234
"	90580	481.0	487.0	6.0	0.9848	1240	3.0	1.09	1303
"	90581	487.0	493.0	6.0	0.5295	780	2.1	0.56	720

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-22	90582	493.0	499.0	6.0	0.6636	570	2.0	0.69	583
"	90583	499.0	505.0	6.0	0.5409	580	1.7	0.57	926
"	90584	505.0	511.0	6.0	0.7229	760	2.6	0.70	789
"	90585	511.0	517.0	6.0	1.6820	2170	7.4	1.57	1851
"	90586	517.0	523.0	6.0	2.9800	2450	9.7	2.73	3326
"	90587	523.0	529.0	6.0	0.9894	1060	3.9	0.92	1406
"	90588	529.0	535.0	6.0	3.8300	6800	12.6	3.49	4389
"	90589	535.0	541.0	6.0	0.4903	670	1.6	0.47	789
"	90590	541.0	548.0	7.0	4.3700	3800	19.6	4.23	6274
"	90591	548.0	553.5	5.5	0.3823	650	2.1	0.39	720
"	90592	553.5	559.0	5.5	0.2006	380	0.6	0.21	137
"	90593	559.0	563.5	4.5	0.8136	940	4.5	0.82	1337
"	90594	563.5	569.5	6.0	1.1481	1710	6.1	1.21	3634
"	90595	569.5	575.0	5.5	0.4535	1340	2.8	0.48	686
"	90596	575.0	581.0	6.0	1.0656	1250	4.6	1.15	1234
"	90597	581.0	587.0	6.0	1.1034	1360	2.8	1.15	1989
"	90598	587.0	593.0	6.0	1.0245	1520	2.5	1.19	1303
"	90599	593.0	599.0	6.0	1.3521	1350	3.6	1.37	1749
"	90600	599.0	606.0	7.0	0.6120	570	0.9	0.62	686
"	90601	606.0	612.0	6.0	1.0129	1310	2.1	1.09	1611
"	90602	612.0	618.0	6.0	0.5092	680	1.6	0.55	686
"	90603	618.0	624.0	6.0	0.1668	200	0.4	0.19	171
"	90604	624.0	630.0	6.0	0.0138	60	0.1	0.01	34
"	90605	630.0	636.0	6.0	0.0141	60	0.0	0.01	34
"	90606	636.0	642.0	6.0	0.0279	50	0.0	0.03	34
"	90607	642.0	647.0	5.0	1.2679	470	2.3	1.29	309
"	90608	647.0	652.0	5.0	0.0628	40	0.2	0.06	34
"	90609	652.0	656.5	4.5	0.0891	450	0.3	0.10	514
"	90610	656.5	662.0	5.5	0.0198	30	0.1		
"	90611	662.0	668.0	6.0	0.0356	50	0.0		
"	90612	668.0	674.0	6.0	0.0343	40	0.4		
"	90613	674.0	680.0	6.0	0.0492	60	0.4		
"	90614	680.0	686.0	6.0	0.0521	70	0.6		
"	90615	686.0	693.0	7.0	0.0053	110	0.2		

ASSAY DRILL LOG FOR DDH 90-23

COORDINATES 8+98E
5+82S

COLLAR ELEVATION: 5394'
BEARING: -
INCLINATION: -90
TOTAL DEPTH: 677'

LABORATORIES: NO.1 Vangeochem Laboratories
NO.2 ACME Analytical Labs

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-23	90616	10.0	16.0	6.0	0.0218	20	0.4		
"	90617	16.0	21.0	5.0	0.0139	20	0.1		
"	90618	21.0	27.0	6.0	0.0627	20	0.3		
"	90619	27.0	33.0	6.0	0.0820	20	0.1		
"	90620	33.0	39.0	6.0	0.0645	60	0.0		
"	90621	39.0	45.0	6.0	0.0463	40	0.0		
"	90622	45.0	51.0	6.0	0.0305	10	0.1		
"	NS	51.0	64.0	13.0					
"	90623	64.0	70.0	6.0	0.0286	20	0.1		
"	90624	70.0	76.0	6.0	0.1357	190	1.3		
"	90625	76.0	83.0	7.0	0.0540	30	0.4		
"	90626	83.0	89.0	6.0	0.0488	30	0.2		
"	NS	89.0	110.5	21.5					
"	90627	110.5	117.0	6.5	0.0210	0	0.0		
"	90628	117.0	123.0	6.0	0.0315	30	0.0		
"	90629	123.0	129.0	6.0	0.0374	20	0.0		
"	NS	129.0	150.0	21.0					
"	90630	150.0	156.0	6.0	0.0065	20	0.0		
"	NS	156.0	170.0	14.0					
"	90631	170.0	176.0	6.0	0.0193	0	0.0		
"	NS	176.0	197.0	21.0					
"	90632	197.0	203.0	6.0	0.0386	0	0.0		
"	90633	203.0	209.0	6.0	0.0314	0	0.1		
"	90634	209.0	215.0	6.0	0.0542	0	0.1		
"	90635	215.0	221.0	6.0	0.0425	10	0.2		
"	90636	221.0	227.0	6.0	0.0341	0	0.1		
"	90637	227.0	233.0	6.0	0.0429	10	0.0		
"	90638	233.0	239.0	6.0	0.0366	0	0.1		
"	90639	239.0	245.0	6.0	0.0379	20	0.1		
"	90640	245.0	251.0	6.0	0.0369	0	0.1		
"	90641	251.0	257.0	6.0	0.0176	0	0.0		
"	90642	257.0	263.0	6.0	0.1006	70	0.3		
"	90643	263.0	269.0	6.0	0.0591	40	0.1		
"	90644	269.0	275.0	6.0	0.0682	50	0.2		
"	90645	275.0	281.0	6.0	0.0291	20	0.2		
"	90646	281.0	287.0	6.0	0.0191	20	0.2		
"	90647	287.0	292.0	5.0	0.0362	0	0.1		
"	90648	292.0	298.0	6.0	0.0355	10	0.0		
"	90649	298.0	303.0	5.0	0.0904	80	0.1		
"	90650	303.0	307.0	4.0	0.0303	20	0.0		
"	90651	307.0	312.0	5.0	0.1091	80	0.3		
"	90652	312.0	318.0	6.0	0.0420	0	0.0		
"	90653	318.0	324.0	6.0	0.0484	0	0.0		
"	90654	324.0	330.0	6.0	0.0386	20	0.0		
"	90655	330.0	336.0	6.0	0.0447	50	0.0		

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-23	90656	336.0	342.0	6.0	0.0153	10	0.0		
"	NS	342.0	360.0	18.0					
"	90657	360.0	366.0	6.0	0.0095	30	0.0		
"	90658	366.0	372.0	6.0	0.0115	20	0.0		
"	NS	372.0	390.0	18.0					
"	90659	390.0	396.0	6.0	0.0188	30	0.0		
"	90660	396.0	402.0	6.0	0.0116	0	0.0		
"	90661	402.0	408.0	6.0	0.0142	20	0.0		
"	90662	408.0	414.0	6.0	0.0369	40	0.0		
"	90663	414.0	420.0	6.0	0.0663	30	0.1		
"	90664	420.0	426.0	6.0	0.2213	310	1.0		
"	90665	426.0	432.0	6.0	0.0668	40	0.1		
"	90666	432.0	438.0	6.0	0.0439	10	0.0		
"	90667	438.0	444.0	6.0	0.0741	70	0.2		
"	90668	444.0	450.0	6.0	0.0965	170	0.1		
"	90669	450.0	456.0	6.0	0.2250	410	0.6	0.27	377
"	90670	456.0	462.0	6.0	0.7074	1020	2.3	0.78	823
"	90671	462.0	468.0	6.0	0.2418	140	0.6	0.26	137
"	90672	468.0	474.0	6.0	0.2172	160	0.3	0.25	137
"	90673	474.0	480.0	6.0	0.2203	100	0.4	0.24	137
"	90674	480.0	486.0	6.0	0.1789	60	0.8	0.21	69
"	90675	486.0	492.0	6.0	0.1275	60	0.7	0.16	69
"	90676	492.0	498.0	6.0	0.1978	100	1.7	0.23	103
"	90677	498.0	504.0	6.0	0.2234	200	0.7	0.25	206
"	90678	504.0	510.0	6.0	0.3380	250	0.9	0.37	274
"	90679	510.0	516.0	6.0	0.3701	330	1.9	0.44	309
"	90680	516.0	521.0	5.0	0.4468	820	1.8	0.48	789
"	90681	521.0	527.0	6.0	0.8255	760	2.2	0.92	651
"	90682	527.0	533.0	6.0	0.2289	760	1.7	0.26	206
"	90683	533.0	539.0	6.0	0.5334	610	1.3	0.58	514
"	90684	539.0	544.0	5.0	0.4742	400	1.2	0.50	446
"	90685	544.0	550.0	6.0	0.2376	220	0.8	0.28	206
"	90686	550.0	556.0	6.0	0.1910	200	0.5	0.22	206
"	90687	556.0	562.0	6.0	0.8510	250	1.5	0.94	240
"	90688	562.0	568.0	6.0	0.1521	100	0.3		
"	90689	568.0	574.0	6.0	0.0774	60	0.6		
"	90690	574.0	580.0	6.0	0.1026	300	0.2		
"	90691	580.0	586.0	6.0	0.0628	60	0.1		
"	90692	586.0	592.0	6.0	0.1753	150	0.3		
"	90693	592.0	598.0	6.0	0.1572	110	0.0		
"	90694	598.0	604.0	6.0	0.2394	210	0.0		
"	90695	604.0	610.0	6.0	0.1761	190	0.4		
"	90696	610.0	616.0	6.0	0.2630	250	0.3		
"	90697	616.0	622.0	6.0	0.0346	60	0.0		
"	90698	622.0	628.0	6.0	0.1704	170	0.6		
"	90699	628.0	634.0	6.0	0.0541	50	0.4		
"	90700	634.0	640.0	6.0	0.1108	140	0.6		
"	90701	640.0	646.0	6.0	0.0680	70	0.7		
"	90702	646.0	652.0	6.0	0.0746	240	0.9		
"	90703	652.0	657.0	5.0	0.0297	60	0.3		
"	90704	657.0	661.0	4.0	0.0533	110	0.7		
"	90705	661.0	666.0	5.0	0.0604	220	3.1		
"	90706	666.0	672.0	6.0	0.0125	30	0.0		
"	90707	672.0	677.0	5.0	0.0215	30	0.2		

ASSAY DRILL LOG FOR DDH 90-24

COORDINATES 11+01E
2+00S

COLLAR ELEVATION: 5365'
BEARING: -
INCLINATION: -90
TOTAL DEPTH: 647'

LABORATORIES: NO.1 Vangeochem Laboratories
NO.2 ACME Analytical Laboratories

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-24	90708	27.0	33.0	6.0	0.0244	30	0.1		
"	90709	33.0	39.0	6.0	0.0253	20	0.0		
"	90710	39.0	45.0	6.0	0.0361	30	0.0		
"	90711	45.0	51.0	6.0	0.0269	20	0.0		
"	90712	51.0	57.0	6.0	0.0272	20	0.0		
"	90713	57.0	63.0	6.0	0.0485	40	0.0		
"	NS	63.0	90.0	27.0					
"	90714	90.0	96.0	6.0	0.0278	40	0.0		
"	90715	96.0	102.0	6.0	0.0135	10	0.0		
"	NS	102.0	130.0	28.0					
"	90716	130.0	136.0	6.0	0.0142	10	0.0		
"	NS	136.0	154.0	18.0					
"	90717	154.0	160.0	6.0	0.0225	20	0.0		
"	NS	160.0	185.0	25.0					
"	90718	185.0	191.0	6.0	0.0173	20	0.0		
"	90719	191.0	197.0	6.0	0.0338	40	0.0		
"	NS	197.0	225.0	28.0					
"	90720	225.0	231.0	6.0	0.0243	30	0.0		
"	90721	231.0	237.0	6.0	0.0345	50	0.0		
"	NS	237.0	261.0	24.0					
"	90722	261.0	267.0	6.0	0.0297	20	0.0		
"	NS	267.0	286.0	19.0					
"	90723	286.0	292.0	6.0	0.0604	40	0.0		
"	90724	292.0	298.0	6.0	0.0568	50	0.0		
"	90725A	298.0	303.0	5.0	0.0112	30	0.0		
"	90725	303.0	309.0	6.0	0.1193	60	0.0		
"	90726	309.0	316.0	7.0	0.0519	40	0.0		
"	90727	316.0	322.0	6.0	0.2351	170	0.5		
"	90728	322.0	328.0	6.0	0.1902	160	0.0		
"	90729	328.0	334.0	6.0	0.0802	80	0.0		
"	90730	334.0	341.0	7.0	0.1093	100	0.2		
"	90731	341.0	348.0	7.0	0.0503	40	0.0		
"	90732	348.0	354.0	6.0	0.0390	70	0.1		
"	90733	354.0	360.0	6.0	0.0746	80	0.0		
"	90734	360.0	366.0	6.0	0.0748	60	0.0		
"	90735	366.0	372.0	6.0	0.1810	100	0.4		
"	90736	372.0	378.0	6.0	0.1835	70	0.2		
"	90737	378.0	384.0	6.0	0.1586	100	0.0		
"	90738	384.0	390.0	6.0	0.0825	60	0.0		
"	90739	390.0	395.5	5.5	0.2644	180	0.2		
"	90740	395.5	402.0	6.5	0.0260	10	0.0		
"	90741	402.0	408.0	6.0	0.0851	40	0.0		
"	90742	408.0	414.0	6.0	0.0188	0	0.0		
"	90743	414.0	420.0	6.0	0.2404	4100	0.0	0.14	1234
"	90744	420.0	426.0	6.0	0.0592	540	0.0	0.04	171

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-24	90745	426.0	432.0	6.0	0.1000	100	0.0	0.06	103
"	90746	432.0	438.0	6.0	0.0606	30	0.0	0.04	69
"	90747	438.0	444.0	6.0	0.0237	170	0.0	0.02	34
"	90748	444.0	450.0	6.0	1.1911	720	1.1	0.81	1063
"	90749	450.0	456.0	6.0	0.4544	360	0.5	0.35	720
"	90750	456.0	462.0	6.0	0.0923	100	0.0	0.07	137
"	90751	462.0	468.0	6.0	0.1301	780	0.0	0.11	377
"	90752	468.0	472.5	4.5	0.2149	280	0.0	0.13	411
"	90753	472.5	477.0	4.5	0.0214	0	0.0		
"	90754	477.0	488.0	11.0	0.0606	70	0.0		
"	90755	488.0	494.0	6.0	0.0670	50	0.0		
"	90756	494.0	500.0	6.0	0.0536	10	0.0		
"	90757	500.0	506.0	6.0	0.0288	0	0.0		
"	90758	506.0	512.0	6.0	0.0287	10	0.0		
"	90759	512.0	517.0	5.0	0.0753	60	0.0		
"	90760	517.0	522.0	5.0	0.0787	50	0.0		
"	90761	522.0	530.0	8.0	0.1579	160	0.0		
"	90762	530.0	536.0	6.0	0.7683	860	1.1	0.64	857
"	90763	536.0	541.0	5.0	0.0207	100	0.0	0.01	69
"	90764	541.0	547.0	6.0	0.0211	40	0.0	0.01	34
"	90765	547.0	554.0	7.0	0.0402	160	0.0	0.03	137
"	90766	554.0	559.0	5.0	0.6410	1700	1.0	0.50	1817
"	90767	559.0	564.0	5.0	1.5066	2240	6.8	1.27	2434
"	90768	564.0	570.0	6.0	0.9675	1640	3.3	0.83	2091
"	90769	570.0	576.0	6.0	1.1462	940	2.9	0.97	857
"	90770	576.0	582.0	6.0	1.8900	2800	6.4	1.89	1783
"	90771	582.0	588.0	6.0	0.8653	1020	1.5	0.71	754
"	90772	588.0	594.0	6.0	0.3770	310	0.3	0.32	240
"	90773	594.0	598.0	4.0	0.5231	410	0.6	0.45	309
"	90774	598.0	603.0	5.0	0.0646	90	0.0		
"	90775	603.0	609.0	6.0	0.0106	30	0.0		

ASSAY DRILL LOG FOR DDH 90-25

COORDINATES 9+04E
10+20S

COLLAR ELEVATION: 5415'
BEARING: -
INCLINATION: -90
TOTAL DEPTH: 460'

LABORATORIES: NO.1 Vangeochem Laboratories

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag
90-25	90776	24.0	29.0	5.0	0.0635	50	0.0
"	90777	29.0	35.0	6.0	0.2828	180	1.2
"	90778	35.0	41.0	6.0	0.2171	260	1.8
"	90779	41.0	47.0	6.0	0.1231	40	0.7
"	90780	47.0	53.0	6.0	0.1469	70	1.2
"	90781	53.0	59.0	6.0	0.0388	30	0.1
"	90782	59.0	66.0	7.0	0.0280	30	0.0
"	90783	66.0	71.0	5.0	0.0083	10	0.0
"	90784	71.0	76.0	5.0	0.0197	30	0.0
"	90785	76.0	82.0	6.0	0.0045	20	0.0
"	90786	82.0	88.0	6.0	0.0068	20	0.0
"	90787	88.0	94.0	6.0	0.0051	20	0.0
"	90788	94.0	100.0	6.0	0.0073	10	0.0
"	NS	100.0	130.0	30.0			
"	90789	130.0	136.0	6.0	0.0174	20	0.0
"	90790	136.0	141.0	5.0	0.0188	20	0.0
"	90791	141.0	147.0	6.0	0.0698	10	0.0
"	90792	147.0	153.0	6.0	0.4624	260	1.1
"	90793	153.0	158.0	5.0	0.2314	140	0.4
"	90794	158.0	163.0	5.0	0.0681	20	0.2
"	90795	163.0	169.0	6.0	0.0409	20	0.0
"	90796	169.0	176.0	7.0	0.0316	70	0.0
"	90797	176.0	182.0	6.0	0.0731	20	0.6
"	90798	182.0	188.0	6.0	0.0168	120	0.1
"	90799	188.0	194.0	6.0	0.0745	20	0.7
"	NS	194.0	220.0	26.0			
"	90800	220.0	226.0	6.0	0.0162	30	0.0
"	90801	226.0	233.0	7.0	0.0345	60	0.0
"	90802	233.0	240.0	7.0	0.0282	70	0.0
"	NS	240.0	304.0	64.0			
"	90803	304.0	310.0	6.0	0.0282	50	0.0
"	90804	310.0	316.0	6.0	0.0420	50	0.0
"	90805	316.0	322.0	6.0	0.0228	30	0.0
"	90806	322.0	328.0	6.0	0.0228	20	0.0
"	90807	328.0	334.0	6.0	0.0350	20	0.1
"	90808	334.0	340.0	6.0	0.0311	70	0.1
"	90809	340.0	345.0	5.0	0.0509	100	0.2
"	90810	345.0	351.0	6.0	0.1314	100	0.1
"	90811	351.0	357.0	6.0	0.6338	470	1.0
"	90812	357.0	363.0	6.0	0.3834	360	0.7
"	90813	363.0	369.0	6.0	0.3866	410	0.5
"	90814	369.0	375.0	6.0	0.1371	130	0.2
"	90815	375.0	381.0	6.0	0.1878	140	0.0
"	90816	381.0	387.0	6.0	0.2108	130	0.2
"	90817	387.0	393.0	6.0	0.1591	110	0.2
"	90818	393.0	399.0	6.0	0.2113	120	0.3

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag
90-25	90819	399.0	405.0	6.0	0.1740	140	0.1
"	90820	405.0	410.0	5.0	0.0462	40	0.0
"	NS	410.0	445.0	35.0			
"	90821	445.0	450.0	5.0	0.0045	30	0.0
"	90822	450.0	452.0	2.0	0.5870	180	0.7
"	90823	452.0	457.0	5.0	0.0390	50	0.0

ASSAY DRILL LOG FOR DDH 90-26

COORDINATES 11+97E
12+94S

COLLAR ELEVATION: 5420'
BEARING: 178°
INCLINATION: -50
TOTAL DEPTH: 287'

LABORATORIES: NO.1 Vangeochem Laboratories
NO.2 ACME Analytical Laboratories

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-26	90824A	17.0	27.0	10.0	0.0312	30	0.0		
"	90824	27.0	33.0	6.0	0.0232	30	0.0		
"	90825	33.0	39.0	6.0	0.0232	30	0.0		
"	90826	39.0	47.0	8.0	0.0504	40	0.0		
"	90827	47.0	57.0	10.0	0.0426	40	0.4		
"	90828	57.0	63.0	6.0	0.0640	100	0.0		
"	90829	63.0	69.0	6.0	0.0301	10	0.0		
"	90830	69.0	77.0	8.0	0.0445	30	0.0		
"	90831	77.0	87.0	10.0	0.0070	0	0.0		
"	90832	87.0	93.0	6.0	0.0276	20	0.0		
"	90833	93.0	99.0	6.0	0.0552	40	0.1		
"	90834	99.0	105.0	6.0	0.0275	0	0.0		
"	90835	105.0	111.0	6.0	0.0125	10	0.0		
"	90836	111.0	118.5	7.5	0.0276	0	0.0		
"	90837	118.5	124.0	5.5	0.0095	0	0.0		
"	90838	124.0	130.0	6.0	0.0099	0	0.2		
"	90839	130.0	136.0	6.0	0.0419	20	0.0		
"	90840	136.0	142.0	6.0	0.0274	0	0.0		
"	90841	142.0	148.0	6.0	0.0304	0	0.4		
"	90842	148.0	154.0	6.0	0.0905	60	0.5		
"	90843	154.0	160.0	6.0	0.1180	70	0.7		
"	90844	160.0	165.0	5.0	0.1487	100	0.4		
"	90845	165.0	170.0	5.0	0.1125	120	1.0		
"	90846	170.0	176.0	6.0	0.3827	370	0.8	0.31	343
"	90847	176.0	182.0	6.0	0.2308	130	4.0	0.18	137
"	90848	182.0	188.0	6.0	1.0188	900	1.0	0.82	891
"	90849	188.0	194.0	6.0	0.2965	240	1.3	0.24	240
"	90850	194.0	200.0	6.0	0.3708	260	0.6	0.30	343
"	90851	200.0	206.0	6.0	0.2188	70	0.3	0.19	69
"	90852	206.0	212.0	6.0	0.1786	50	1.0	0.16	1166
"	90853	212.0	219.0	7.0	0.2917	150	3.3	0.24	137
"	90854	219.0	225.0	6.0	0.8120	650	1.7	0.67	754
"	90855	225.0	231.0	6.0	0.4592	740	1.0	0.36	720
"	90856	231.0	237.0	6.0	0.3090	270	0.8	0.24	309
"	90857	237.0	243.0	6.0	0.5930	190	0.9	0.49	206
"	90858	243.0	249.0	6.0	0.7167	560	0.5	0.54	446
"	90859	249.0	255.0	6.0	0.3764	260	1.0	0.29	309
"	90860	255.0	261.0	6.0	0.3379	270	0.2	0.28	343
"	90861	261.0	267.0	6.0	0.0568	70	0.1		
"	90862	267.0	275.0	8.0	0.0381	50	0.1		

ASSAY DRILL LOG FOR DDH 90-27

COORDINATES 11+97E
12+39S

COLLAR ELEVATION: 5419'
BEARING: 178 •
INCLINATION: -65
TOTAL DEPTH: 327'

LABORATORIES: NO.1 Vangeochem Laboratories

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag
90-27	90863	32.0	38.0	6.0	0.0376	30	0.0
"	90864	38.0	46.0	8.0	0.2835	260	0.0
"	90865	46.0	52.0	6.0	0.0828	70	0.0
"	90866	52.0	58.0	6.0	0.0157	30	0.0
"	90867	58.0	63.0	5.0	0.0056	10	0.0
"	90868	63.0	67.0	4.0	0.0041	40	0.0
"	90869	67.0	73.0	6.0	0.0857	40	0.0
"	90870	73.0	79.0	6.0	0.0737	70	0.0
"	NS	79.0	91.5	12.5			
"	90871	91.5	97.0	5.5	0.3041	340	0.0
"	90872	97.0	103.0	6.0	0.2077	180	0.0
"	90872A	103.0	107.0	4.0	0.0458	50	0.0
"	NS	107.0	131.0	24.0			
"	90873	131.0	137.0	6.0	0.0096	30	0.0
"	NS	137.0	153.0	16.0			
"	90874	153.0	159.0	6.0	0.0221	10	0.0
"	90875	159.0	164.0	5.0	0.0247	20	0.0
"	90876	164.0	168.0	4.0	0.0142	10	0.0
"	90877	168.0	174.0	6.0	0.0577	50	0.0
"	90878	174.0	180.0	6.0	0.0397	10	0.0
"	90879	180.0	186.0	6.0	0.0203	20	0.1
"	90880	186.0	192.0	6.0	0.0449	40	0.2
"	90881	192.0	198.0	6.0	0.0574	50	0.3
"	90882	198.0	204.0	6.0	0.0329	20	0.2
"	90883	204.0	210.0	6.0	0.0233	10	0.1
"	90884	210.0	215.0	5.0	0.0260	20	0.2
"	90885	215.0	219.0	4.0	0.0984	60	0.4
"	90886	219.0	225.0	6.0	0.0814	50	0.1
"	90887	225.0	231.0	6.0	0.0190	0	0.0
"	90888	231.0	236.0	5.0	0.0070	20	0.0
"	90889	236.0	241.0	5.0	0.0236	10	0.1
"	90890	241.0	247.0	6.0	0.0499	50	0.0
"	90891	247.0	252.0	5.0	0.0069	30	0.1
"	90892	252.0	258.0	6.0	0.0493	40	0.0
"	90893	258.0	264.0	6.0	0.0196	30	0.0
"	90894	264.0	269.0	5.0	0.0062	20	0.0
"	90895	269.0	274.0	5.0	0.0540	30	0.2
"	90896	274.0	280.0	6.0	0.1783	110	0.0
"	90897	280.0	286.0	6.0	0.0222	30	0.0
"	90898	286.0	291.0	5.0	0.0270	20	0.0
"	90899	291.0	296.0	5.0	0.0488	20	0.0
"	90900	296.0	301.0	5.0	0.0371	20	0.0
"	90901	301.0	307.0	6.0	0.0278	20	0.0
"	90902	307.0	315.0	8.0	0.0118	10	0.0

ASSAY DRILL LOG FOR DDH 90-28

COORDINATES 18+21E
0+00 BL

COLLAR ELEVATION: 5334'
BEARING: -
INCLINATION: -90
TOTAL DEPTH: 437'

LABORATORIES: NO.1 Vangeochem Laboratories

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-28	90903	15.0	21.0	6.0	0.0787	180	0.0		
"	90904	21.0	27.0	6.0	0.0426	40	0.0		
"	90905	27.0	33.0	6.0	0.0405	80	0.0		
"	90906	33.0	39.0	6.0	0.0255	50	0.1		
"	90907	39.0	45.0	6.0	0.0849	100	0.3		
"	90908	45.0	52.0	7.0	0.1370	120	1.5		
"	NS	52.0	60.5	8.5					
"	90909	60.5	66.0	5.5	0.6144	770	0.7	0.52	823
"	90910	66.0	72.0	6.0	0.3692	350	0.0	0.32	514
"	90911	72.0	78.0	6.0	0.0483	60	0.0	0.04	69
"	90912	78.0	84.0	6.0	0.0263	20	0.3	0.02	34
"	90913	84.0	90.0	6.0	0.1215	150	0.3	0.09	103
"	90914	90.0	96.0	6.0	0.1685	150	0.0	0.13	240
"	90915	96.0	101.0	5.0	0.0748	40	0.5	0.06	34
"	90916	101.0	105.0	4.0	0.1156	470	0.3	0.09	823
"	90917	105.0	112.0	7.0	0.1210	100	0.0	0.10	69
"	90918	112.0	118.0	6.0	0.0898	70	0.0	0.07	69
"	90919	118.0	127.0	9.0	0.0994	80	1.8	0.08	103
"	90920	127.0	133.0	6.0	0.5068	450	2.1	0.43	686
"	90921	133.0	139.0	6.0	0.1637	720	1.1	0.50	651
"	90922	139.0	145.0	6.0	0.4104	290	0.3	0.31	206
"	90923	145.0	151.0	6.0	0.6625	240	0.0	0.13	274
"	90924	151.0	157.0	6.0	0.0286	20	0.0		
"	90925	157.0	163.0	6.0	0.0348	130	0.0		
"	90926	163.0	169.0	6.0	0.1452	140	0.2		
"	90927	169.0	175.0	6.0	0.0714	70	0.1		
"	90928	175.0	181.0	6.0	0.0534	50	0.0		
"	90929	181.0	187.0	6.0	0.0309	40	0.0		
"	90930	187.0	193.0	6.0	0.0387	40	0.0		
"	90931	193.0	199.0	6.0	0.0378	40	0.3		
"	90932	199.0	205.0	6.0	0.1005	130	1.8		
"	90933	205.0	211.0	6.0	0.3292	500	0.3		
"	90934	211.0	217.0	6.0	0.0665	90	1.0		
"	90935	217.0	223.0	6.0	0.0756	100	0.5		
"	90936	223.0	229.0	6.0	0.0652	200	1.1		
"	90937	229.0	235.0	6.0	0.0994	200	2.2		
"	90938	235.0	241.0	6.0	0.7412	1030	2.0		
"	90939	241.0	247.0	6.0	0.2565	570	0.1		
"	90940	247.0	253.0	6.0	0.0995	70	0.0		
"	90941	253.0	259.0	6.0	0.0277	10	0.0		
"	90942	259.0	264.0	5.0	0.0161	20	0.0		
"	90943	264.0	270.0	6.0	0.0942	80	0.0		
"	90944	270.0	275.0	5.0	0.0679	70	0.0		
"	90945	275.0	279.0	4.0	0.0244	50	0.0		
"	90946	279.0	286.0	7.0	0.0433	30	0.0		
"	90947	286.0	292.0	6.0	0.1350	120	0.0		
"	90948	292.0	298.0	6.0	0.0638	160	0.0		

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-28	90949	298.0	304.0	6.0	0.1601	190	1.0		
"	90950	304.0	310.0	6.0	1.7430	2100	12.8	1.75	2229
"	90951	310.0	316.0	6.0	0.4067	630	1.6	0.38	686
"	90952	316.0	321.0	5.0	0.1168	130	0.0	0.11	137
"	90953	321.0	327.0	6.0	0.1995	190	0.3	0.20	206
"	90954	327.0	333.0	6.0	0.1410	150	0.2	0.15	171
"	90955	333.0	338.0	5.0	0.2567	340	0.4	0.27	343
"	90956	338.0	342.0	4.0	0.0722	80	0.0		
"	90957	342.0	348.0	6.0	0.0486	70	0.0		
"	90958	348.0	354.0	6.0	0.0500	20	0.0		
"	90959	354.0	360.0	6.0	0.0483	120	0.0		
"	90960	360.0	366.0	6.0	0.0597	80	0.0		
"	90961	366.0	372.0	6.0	0.0499	30	0.0		
"	90962	372.0	378.0	6.0	0.0957	120	1.0		
"	90963	378.0	386.0	8.0	0.0540	60	0.2		
"	90964	386.0	392.5	6.5	0.0455	210	0.0		
"	90965	392.5	398.0	5.5	0.0074	20	0.0		

ASSAY DRILL LOG FOR DDH 90-29

COORDINATES: 14+03E
3+91S

COLLAR ELEVATION: 5397'
BEARING: -
INCLINATION: -90
TOTAL DEPTH: 717'

LABORATORIES: NO.1 Vangeochem Laboratories
NO.2 ACME Analytical Laboratories

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-29	90966	20.0	26.0	6.0	0.0343	60	0.3		
"	90967	26.0	33.0	7.0	0.0149	40	0.0		
"	90968	33.0	39.0	6.0	0.0386	30	0.0		
"	90969	39.0	45.0	6.0	0.0241	40	0.0		
"	90970	45.0	51.0	6.0	0.0077	20	0.0		
"	90971	51.0	57.0	6.0	0.0616	70	0.0		
"	90972	57.0	63.0	6.0	0.0851	90	0.2		
"	90973	63.0	69.0	6.0	0.1054	140	1.0		
"	90974	69.0	75.0	6.0	0.0235	100	0.0		
"	90975	75.0	81.0	6.0	0.0960	120	0.0		
"	90976	81.0	87.0	6.0	0.0455	50	0.0		
"	90977	87.0	93.0	6.0	0.0484	30	0.0		
"	90978	93.0	99.0	6.0	0.0223	50	0.0		
"	90979	99.0	105.0	6.0	0.0165	20	0.0		
"	NS	105.0	140.0	35.0					
"	90980	140.0	146.0	6.0	0.0221	10	0.0		
"	NS	146.0	167.0	21.0					
"	90981	167.0	173.0	6.0	0.0507	100	0.0		
"	90982	173.0	179.0	6.0	0.0153	30	0.0		
"	NS	179.0	210.0	31.0					
"	90983	210.0	216.0	6.0	0.0360	0	0.0		
"	NS	216.0	240.0	24.0					
"	90984	240.0	246.0	6.0	0.0218	20	0.0		
"	90985	246.0	252.0	6.0	0.0574	30	0.0		
"	NS	252.0	261.0	9.0					
"	90986	261.0	267.0	6.0	0.0330	20	0.0		
"	90987	267.0	273.0	6.0	0.0778	70	0.0		
"	90988	273.0	279.0	6.0	0.0891	50	0.0		
"	90989	279.0	285.0	6.0	0.0357	0	0.0		
"	90990	285.0	291.0	6.0	0.0426	20	0.0		
"	90991	291.0	297.0	6.0	0.0198	20	0.0		
"	90992	297.0	303.0	6.0	0.0841	120	0.0		
"	90993	303.0	309.0	6.0	0.0539	50	0.0		
"	90994	309.0	315.0	6.0	0.1549	70	0.2		
"	90995	315.0	321.0	6.0	0.2077	220	0.2	0.22	309
"	90996	321.0	327.0	6.0	0.0640	60	0.1	0.07	34
"	90997	327.0	333.0	6.0	0.2242	160	0.6	0.24	137
"	90998	333.0	339.0	6.0	1.0892	600	3.7	1.08	1029
"	90999	339.0	345.0	6.0	0.6770	270	1.7	0.69	549
"	91000	345.0	351.0	6.0	0.8681	600	3.5	0.87	789
"	91001	351.0	357.0	6.0	0.2970	150	0.7	0.31	171
"	91002	357.0	363.0	6.0	0.3271	100	0.8	0.34	103
"	91003	363.0	369.0	6.0	0.0654	40	0.0		
"	91004	369.0	375.0	6.0	0.1385	20	0.3		
"	91005	375.0	381.0	6.0	0.0780	30	0.0		
"	91006	381.0	387.0	6.0	0.0267	10	0.0		

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-29	91007	387.0	393.0	6.0	0.0058	30	0.0		
"	91008	393.0	399.0	6.0	0.0236	20	0.0		
"	91009	399.0	405.0	6.0	0.0118	10	0.0		
"	91010	405.0	411.0	6.0	0.0220	10	0.0		
"	91011	411.0	417.0	6.0	0.0334	30	0.0		
"	91012	417.0	423.0	6.0	0.0606	50	0.0		
"	91013	423.0	429.0	6.0	0.0143	20	0.0		
"	91014	429.0	435.0	6.0	0.0179	20	0.0		
"	91015	435.0	441.0	6.0	0.0713	150	0.0		
"	91016	441.0	447.0	6.0	0.0407	70	0.0		
"	91017	447.0	453.0	6.0	0.0468	60	0.0		
"	91018	453.0	459.0	6.0	0.0293	30	0.0		
"	91019	459.0	465.0	6.0	0.0752	50	0.0		
"	91020	465.0	471.0	6.0	0.3896	280	0.8		
"	91021	471.0	477.0	6.0	0.3522	400	0.2		
"	91022	477.0	483.0	6.0	0.0439	30	0.0		
"	91023	483.0	489.0	6.0	0.1664	260	0.0		
"	91024	489.0	495.0	6.0	0.0281	60	0.0		
"	91025	495.0	501.0	6.0	0.1076	180	0.2		
"	91026	501.0	507.0	6.0	0.0466	80	0.0		
"	91027	507.0	513.0	6.0	0.2605	270	0.2	0.32	274
"	91028	513.0	519.0	6.0	0.1329	170	0.0	0.16	137
"	91029	519.0	525.0	6.0	0.4765	730	0.7	0.56	514
"	91030	525.0	531.0	6.0	0.5563	710	1.1	0.65	720
"	91031	531.0	537.0	6.0	0.1741	150	0.2	0.20	171
"	91032	537.0	543.0	6.0	0.2050	210	0.3	0.26	206
"	91033	543.0	549.0	6.0	0.1588	150	0.5	0.20	69
"	91034	549.0	555.0	6.0	0.6305	510	1.8	0.73	789
"	91035	555.0	561.0	6.0	0.1076	60	0.1	0.12	69
"	91036	561.0	567.0	6.0	0.0903	110	0.2	0.10	69
"	91037	567.0	573.0	6.0	0.2417	140	0.3	0.27	171
"	91038	573.0	579.0	6.0	0.1655	90	0.2	0.20	103
"	91039	579.0	585.0	6.0	0.2252	330	0.3	0.27	240
"	91040	585.0	591.0	6.0	0.9859	1280	2.2	1.17	1303
"	91041	591.0	597.0	6.0	1.1567	1560	2.3	1.32	1371
"	91042	597.0	603.0	6.0	0.9321	830	2.3	1.10	1097
"	91043	603.0	609.0	6.0	0.2440	200	0.5	0.28	206
"	91044	609.0	615.0	6.0	0.3621	520	0.3	0.43	377
"	91045	615.0	621.0	6.0	1.8486	1900	1.0	1.95	1817
"	91046	621.0	627.0	6.0	0.3543	450	0.5	0.42	240
"	91047	627.0	633.0	6.0	0.6220	850	1.3	0.76	1063
"	91048	633.0	639.0	6.0	1.2486	2030	2.8	1.40	1680
"	91049	639.0	644.0	5.0	0.6190	1160	0.9	0.75	891
"	91050	644.0	650.0	6.0	0.0493	20	0.0		
"	91051	650.0	656.0	6.0	0.1002	190	0.0		
"	91052	656.0	662.0	6.0	0.2680	290	0.0		
"	91053	662.0	668.0	6.0	0.1222	140	0.2		
"	91054	668.0	673.0	5.0	0.1181	20	0.2		
"	91055	673.0	678.0	5.0	0.0581	50	0.0		
"	91056	678.0	682.5	4.5	0.0647	60	0.0		
"	91057	682.5	688.0	5.5	0.5068	500	1.7		
"	91058	688.0	694.0	6.0	0.1548	100	0.4		
"	91059	694.0	699.0	5.0	0.2867	300	1.5		
"	91060	699.0	704.0	5.0	0.2343	220	0.8		
"	91061	704.0	710.0	6.0	0.0857	110	0.2		

ASSAY DRILL LOG FOR DDH 90-30

COORDINATES 12+95E
6+00S

COLLAR ELEVATION: 5407'
BEARING: -
INCLINATION: -90
TOTAL DEPTH: 733'

LABORATORIES: NO.1 Vangeochem Laboratories
NO.2 ACME Analytical Laboratories

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-30	901062	21.0	27.0	6.0	0.0139	30	0.0		
"	901063	27.0	33.0	6.0	0.0168	20	0.0		
"	901064	33.0	39.0	6.0	0.0511	20	0.0		
"	901065	39.0	45.0	6.0	0.5939	890	2.2	0.68	1474
"	901066	45.0	51.0	6.0	0.1163	70	0.0	0.13	34
"	901067	51.0	57.0	6.0	0.1435	280	0.0	0.16	206
"	901068	57.0	63.0	6.0	0.0851	60	0.0	0.10	34
"	901069	63.0	69.0	6.0	0.3904	470	1.4	0.45	446
"	901070	69.0	75.0	6.0	0.2899	850	1.3	0.32	411
"	901071	75.0	80.0	5.0	0.1566	220	0.4	0.17	171
"	901072	80.0	86.0	6.0	0.0894	120	0.0	0.09	137
"	901073	86.0	92.0	6.0	0.1338	130	0.1	0.16	103
"	901074	92.0	98.0	6.0	0.3958	460	1.9	0.44	411
"	901075	98.0	104.0	6.0	0.4107	470	1.4	0.45	343
"	901076	104.0	110.0	6.0	0.1573	130	0.6		
"	901077	110.0	116.0	6.0	0.0771	40	1.0		
"	901078	116.0	121.0	5.0	0.0979	40	0.2		
"	901079	121.0	127.0	6.0	0.0264	0	0.0		
"	901080	127.0	137.0	10.0	0.0763	40	0.2		
"	901081	137.0	144.0	7.0	0.0720	120	0.3		
"	901082	144.0	150.0	6.0	0.0930	30	0.2		
"	901083	150.0	156.0	6.0	0.0761	20	0.1		
"	901084	156.0	162.0	6.0	0.0814	50	0.2		
"	901085	162.0	168.0	6.0	0.1044	90	0.2		
"	901086	168.0	174.0	6.0	0.0962	60	0.1		
"	901087	174.0	180.0	6.0	0.0339	20	0.0		
"	901088	180.0	186.0	6.0	0.1371	140	0.2		
"	901089	186.0	192.0	6.0	0.0519	100	0.0		
"	901090	192.0	198.0	6.0	0.1483	160	0.0		
"	901091	198.0	204.0	6.0	0.0786	60	0.0		
"	901092	204.0	210.0	6.0	0.1243	50	0.3		
"	901093	210.0	216.0	6.0	0.3004	150	1.7		
"	901094	216.0	222.0	6.0	0.0673	40	0.4		
"	901095	222.0	228.0	6.0	0.7601	540	5.0		
"	901096	228.0	234.0	6.0	0.0759	40	0.3		
"	901097	234.0	240.0	6.0	0.0910	20	0.5		
"	901098	240.0	246.0	6.0	0.0448	0	0.7		
"	901099	246.0	252.0	6.0	0.1081	40	0.6		
"	901100	252.0	258.0	6.0	0.1338	40	0.7		
"	901101	258.0	264.0	6.0	0.0794	50	1.2		
"	901102	264.0	270.0	6.0	0.0966	60	0.3		
"	901103	270.0	276.0	6.0	0.1396	170	0.4		
"	901104	276.0	282.0	6.0	0.2612	180	0.8		
"	901105	282.0	288.0	6.0	0.3248	280	1.6		
"	901106	288.0	294.0	6.0	0.0697	150	1.0		
"	901107	294.0	300.0	6.0	0.0199	10	0.2		

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-30	901108	300.0	305.0	5.0	0.0029	0	0.0		
"	901109	305.0	310.0	5.0	0.0160	20	0.9		
"	901110	310.0	316.0	6.0	0.3190	200	0.8		
"	901111	316.0	322.0	6.0	0.2140	100	0.9		
"	901112	322.0	328.0	6.0	0.2783	180	0.9		
"	901113	328.0	334.0	6.0	0.2110	80	0.3		
"	901114	334.0	340.0	6.0	0.2204	30	0.4		
"	901115	340.0	346.0	6.0	0.0506	10	0.3		
"	901116	346.0	352.0	6.0	0.0333	0	0.2		
"	901117	352.0	358.0	6.0	0.0251	10	0.1		
"	901118	358.0	364.0	6.0	0.0261	0	0.0		
"	901119	364.0	370.0	6.0	0.0792	80	0.3		
"	901120	370.0	376.0	6.0	0.0715	150	0.1		
"	901121	376.0	382.0	6.0	0.0319	30	0.2		
"	NS	382.0	406.0	24.0					
"	901122	406.0	412.0	6.0	0.0549	20	0.0		
"	901123	412.0	418.0	6.0	0.0361	10	0.1		
"	901124	418.0	424.0	6.0	0.0286	30	0.0		
"	901125	424.0	430.0	6.0	0.0411	20	0.1		
"	901126	430.0	436.0	6.0	0.0260	50	0.0		
"	901127	436.0	442.0	6.0	0.0384	30	0.0		
"	901128	442.0	448.0	6.0	0.0103	30	0.0		
"	NS	448.0	467.0	19.0					
"	901129	467.0	473.0	6.0	0.0594	30	0.2		
"	901130	473.0	479.0	6.0	0.0455	110	0.0		
"	901131	479.0	485.0	6.0	0.0847	210	0.0		
"	901132	485.0	491.0	6.0	0.1663	270	0.2		
"	901133	491.0	497.0	6.0	0.0733	80	0.0		
"	901134	497.0	503.0	6.0	0.2248	170	0.3		
"	901135	503.0	509.0	6.0	0.1235	110	0.0		
"	901136	509.0	515.0	6.0	0.2201	260	0.4		
"	901137	515.0	521.0	6.0	0.1069	80	0.0		
"	901138	521.0	527.0	6.0	0.0967	110	0.0		
"	901139	527.0	533.0	6.0	0.0432	50	0.0		
"	901140	533.0	540.0	7.0	0.1485	170	0.3		
"	901141	540.0	546.0	6.0	0.7793	810	1.0	0.97	789
"	901142	546.0	552.0	6.0	0.9647	960	1.5	1.14	1166
"	901143	552.0	558.0	6.0	0.5608	470	1.0	0.70	549
"	901144	558.0	564.0	6.0	0.3638	310	0.7	0.46	274
"	901145	564.0	570.0	6.0	0.3505	420	0.7	0.42	446
"	901146	570.0	576.0	6.0	0.6644	1330	0.9	0.74	651
"	901147	576.0	582.0	6.0	0.8887	1290	1.8	1.06	1714
"	901148	582.0	588.0	6.0	1.4856	2700	3.3	1.85	1714
"	901149	588.0	594.0	6.0	1.1935	1800	2.5	1.41	1303
"	901150	594.0	600.0	6.0	0.2878	500	0.6	0.34	411
"	901151	600.0	606.0	6.0	0.3800	730	1.9	0.44	754
"	901152	606.0	612.0	6.0	0.1143	170	0.3	0.13	137
"	901153	612.0	618.0	6.0	0.1301	540	0.3	0.14	343
"	901154	618.0	624.0	6.0	0.1379	320	0.0	0.16	411
"	901155	624.0	630.0	6.0	0.1277	270	0.0	0.15	274
"	901156	630.0	636.0	6.0	0.3305	490	0.4	0.37	480
"	901157	636.0	642.0	6.0	0.2964	480	0.6	0.36	480
"	901158	642.0	648.0	6.0	0.4996	950	1.2	0.60	891
"	901159	648.0	654.0	6.0	2.9100	2480	7.4	2.52	2914
"	901160	654.0	660.0	6.0	0.4202	600	1.4	0.45	686

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-30	901161	660.0	666.0	6.0	1.3606	1660	6.4	1.62	1509
"	901162	666.0	672.0	6.0	0.5251	650	1.4	0.63	789
"	901163	672.0	678.0	6.0	0.3292	600	1.0	0.51	686
"	901164	678.0	684.0	6.0	0.2659	420	0.3	0.32	480
"	901165	684.0	690.0	6.0	0.1158	110	0.1		
"	901166	690.0	696.0	6.0	0.0750	90	0.0		
"	901167	696.0	702.0	6.0	0.0464	20	0.0		
"	901168	702.0	708.0	6.0	0.0370	30	0.0		
"	901169	708.0	713.0	5.0	0.0525	20	0.0		
"	901170	713.0	718.0	5.0	0.1660	130	0.3		
"	901171	718.0	723.5	5.5	0.1216	210	0.0		
"	901172	723.5	728.0	4.5	0.0420	40	0.0		

ASSAY DRILL LOG FOR DDH 90-31

COORDINATES: 16+70E
6+63S

COLLAR ELEVATION: 5422'
BEARING: -
INCLINATION: -90
TOTAL DEPTH: 673'

LABORATORIES: NO.1 Vangeochem Laboratories
NO.2 ACME Analytical Laboratories

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-31	901173	17.0	24.0	7.0	0.0271	20	0.0		
"	901174	24.0	32.0	8.0	0.0530	180	0.0		
"	901175	32.0	38.0	6.0	0.0227	30	0.0		
"	901176	38.0	44.0	6.0	0.0566	60	0.0		
"	901177	44.0	50.0	6.0	0.0580	20	0.0		
"	901178	50.0	55.0	5.0	0.0239	20	0.0		
"	901179	55.0	60.0	5.0	0.0357	30	0.0		
"	901180	60.0	65.0	5.0	0.9084	1340	1.5		
"	901181	65.0	71.0	6.0	0.0145	30	0.0		
"	901182	71.0	77.0	6.0	0.0091	0	0.0		
"	NS	77.0	100.0	23.0					
"	901183	100.0	106.0	6.0	0.0211	0	0.0		
"	NS	106.0	122.0	16.0					
"	901184	122.0	128.0	6.0	0.0192	20	0.0		
"	901185	128.0	137.0	9.0	0.0528	10	0.0		
"	901186	137.0	143.0	6.0	0.1365	110	0.2		
"	901187	143.0	149.0	6.0	0.0402	40	0.0		
"	NS	149.0	174.0	25.0					
"	901188	174.0	180.0	6.0	0.0032	10	0.0		
"	NS	180.0	210.0	30.0					
"	901189	210.0	216.0	6.0	0.0027	50	0.0		
"	NS	216.0	233.0	17.0					
"	901190	233.0	239.0	6.0	0.0148	20	0.0		
"	901191	239.0	245.0	6.0	0.1641	240	0.3		
"	901192	245.0	251.0	6.0	0.1487	170	0.2		
"	901193	251.0	257.0	6.0	0.1119	90	0.2		
"	901194	257.0	263.0	6.0	0.0919	120	0.3		
"	901195	263.0	269.0	6.0	0.0112	30	0.0		
"	901196	269.0	275.0	6.0	0.0757	80	0.1		
"	901197	275.0	281.0	6.0	0.0416	0	0.0		
"	901198	281.0	288.0	7.0	0.0106	0	0.0		
"	901199	288.0	295.0	7.0	0.0183	40	0.0		
"	901200	295.0	301.0	6.0	0.1628	270	0.2		
"	901201	301.0	307.0	6.0	0.0844	60	0.2		
"	901202	307.0	313.0	6.0	0.2497	560	0.2		
"	901203	313.0	319.0	6.0	0.3369	310	0.8		
"	901204	319.0	325.0	6.0	0.1841	130	0.3		
"	901205	325.0	330.0	5.0	0.0281	40	0.0		
"	901206	330.0	335.5	5.5	0.0453	50	0.0		
"	901207	335.5	341.0	5.5	0.1691	160	0.7		
"	901208	341.0	347.0	6.0	0.0615	20	0.0		
"	901209	347.0	353.0	6.0	0.1026	30	0.0		
"	901210	353.0	359.0	6.0	0.1124	50	0.0		
"	901211	359.0	365.0	6.0	0.0524	20	0.0		
"	901212	365.0	371.0	6.0	0.0390	20	0.0		
"	901213	371.0	377.0	6.0	0.0183	0	0.0		

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-31	901214	377.0	383.0	6.0	0.0258	0	0.0		
"	901215	383.0	389.0	6.0	0.0355	40	0.0		
"	901381	389.0	396.0	7.0	0.0226	50	0.1		
"	901382	396.0	403.0	7.0	0.0130	20	0.2		
"	901383	403.0	410.0	7.0	0.0259	30	0.2		
"	901384	410.0	417.0	7.0	0.0280	40	0		
"	901216	417.0	423.0	6.0	0.1243	60	0.2		
"	901385	423.0	430.0	7.0	0.0303	30	0.2		
"	901386	430.0	435.0	5.0	0.0398	80	0.2		
"	901387	435.0	440.0	5.0	0.0263	20	0		
"	901217	440.0	446.0	6.0	0.0150	0	0.0		
"	901218	446.0	452.0	6.0	0.0400	0	0.0		
"	901388	452.0	459.0	7.0	0.0181	10	0		
"	901389	459.0	465.0	6.0	0.0225	20	0		
"	901390	465.0	470.0	5.0	0.0220	10	0		
"	901219	470.0	476.0	6.0	0.0150	50	0.0		
"	901391	476.0	483.0	7.0	0.0157	10	0		
"	901392	483.0	489.0	6.0	0.0566	40	0		
"	901393	489.0	494.0	5.0	0.0212	30	0		
"	901220	494.0	500.0	6.0	0.0719	30	0.0		
"	901221	500.0	506.0	6.0	0.0372	50	0.0		
"	901222	506.0	512.0	6.0	0.1849	250	0.3		
"	901223	512.0	518.0	6.0	0.0735	40	0.0		
"	901224	518.0	524.0	6.0	0.0867	70	0.0		
"	NS	524.0	529.5	5.5					
"	901225	529.5	532.0	2.5	0.0561	400	0.1		
"	NS	532.0	557.5	25.5					
"	901226	557.5	563.0	5.5	0.0832	30	0.2		
"	901227	563.0	569.0	6.0	0.3045	250	0.6	0.37	206
"	901228	569.0	575.0	6.0	0.5640	460	1.3	0.67	480
"	901229	575.0	581.0	6.0	0.2935	410	0.4	0.36	274
"	901230	581.0	587.0	6.0	0.4259	450	1.0	0.53	343
"	901231	587.0	593.0	6.0	0.2417	230	0.5	0.27	171
"	901232	593.0	599.0	6.0	0.1461	30	0.2	0.17	69
"	901233	599.0	605.0	6.0	0.1309	60	0.2	0.15	69
"	901234	605.0	611.0	6.0	0.4200	270	1.2	0.48	240
"	901235	611.0	617.0	6.0	0.2535	170	0.5	0.30	103
"	901236	617.0	623.5	6.5	0.3166	300	1.2	0.36	240
"	901237	623.5	630.0	6.5	0.1833	180	0.5		
"	NS	630.0	654.0	24.0					
"	901238	654.0	660.0	6.0	0.0900	90	0.1		
"	901239	660.0	665.0	5.0	0.0741	10	0		

ASSAY DRILL LOG FOR DDH 90-32

COORDINATES: 7+97E
7+97S

COLLAR ELEVATION: 5418'
BEARING: -
INCLINATION: -90
TOTAL DEPTH: 593'

LABORATORIES: NO.1 Vangeochem Laboratories
NO.2 ACME Analytical Laboratories

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-32	901240	12.0	18.0	6.0	0.0843	30	0.3		
"	901241	18.0	24.0	6.0	0.0750	40	0.2		
"	901242	24.0	30.0	6.0	0.0840	60	0.0		
"	901243	30.0	36.0	6.0	0.0216	30	0.0		
"	901244	36.0	42.0	6.0	0.0995	100	0.7		
"	NS	42.0	60.0	18.0					
"	901245	60.0	66.0	6.0	0.0452	20	0.0		
"	901246	66.0	72.0	6.0	0.0817	30	0.2		
"	901247	72.0	78.0	6.0	0.3020	190	2.3		
"	901248	78.0	84.0	6.0	0.0263	20	0.0		
"	NS	84.0	110.0	26.0					
"	901249	110.0	116.0	6.0	0.0172	30	0.2		
"	901250	116.0	122.0	6.0	0.0427	120	0.1		
"	901251	122.0	128.0	6.0	0.0892	50	0.3		
"	901252	128.0	134.0	6.0	0.2485	130	0.6		
"	901253	134.0	140.0	6.0	0.1079	70	0.3		
"	901254	140.0	146.0	6.0	0.0429	20	0.1		
"	901255	146.0	152.0	6.0	0.0380	30	0.0		
"	901256	152.0	158.0	6.0	0.1516	100	1.3		
"	901257	158.0	164.0	6.0	0.0518	80	0.4		
"	901258	164.0	170.0	6.0	0.0273	10	0.1		
"	901394	170.0	176.0	6.0	0.0333	20	0.2		
"	901395	176.0	182.0	6.0	0.0279	20	0.2		
"	901396	182.0	188.0	6.0	0.0288	20	0.4		
"	901397	188.0	194.0	6.0	0.0335	30	0.1		
"	901259	194.0	200.0	6.0	0.0299	30	0.0		
"	901260	200.0	206.0	6.0	0.0656	80	0.2		
"	901261	206.0	212.0	6.0	0.0213	10	0.3		
"	901262	212.0	218.0	6.0	0.0504	60	0.1		
"	901263	218.0	224.0	6.0	0.0726	100	0.2		
"	NS	224.0	230.0	6.0					
"	901264	230.0	236.0	6.0	0.0652	80	0.0		
"	901265	236.0	242.0	6.0	0.0067	10	0.0		
"	901266	242.0	248.0	6.0	0.0145	0	0.0		
"	901267	248.0	254.0	6.0	0.1185	70	0.0		
"	901268	254.0	260.0	6.0	0.1298	110	0.2		
"	901269	260.0	266.0	6.0	0.2554	190	0.8		
"	901270	266.0	272.0	6.0	0.0227	0	0.0		
"	901271	272.0	278.0	6.0	0.1112	20	0.3		
"	901272	278.0	284.0	6.0	0.1031	20	0.1		
"	901273	284.0	290.0	6.0	0.0874	30	0.2		
"	901274	290.0	296.0	6.0	0.0105	30	0.0		
"	NS	296.0	327.0	31.0					
"	901275	327.0	333.0	6.0	0.0202	0	0.0		
"	NS	333.0	400.0	67.0					
"	901276	400.0	406.0	6.0	0.3358	270	1.5		

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-32	901277	406.0	411.0	5.0	0.0626	90	0.5		
"	901278	411.0	416.5	5.5	0.9465	1120	3.1	1.04	1063
"	NS	416.5	418.5	2.0					
"	901279	418.5	424.0	5.5	0.3810	530	1.8	0.46	514
"	901280	424.0	430.0	6.0	0.3120	460	1.9	0.35	411
"	901281	430.0	436.0	6.0	0.3693	390	2.0	0.44	480
"	901282	436.0	442.0	6.0	0.7233	780	3.0	0.82	891
"	901283	442.0	448.0	6.0	0.3135	300	1.0	0.36	446
"	901284	448.0	454.0	6.0	0.6402	640	2.0	0.76	754
"	901285	454.0	460.0	6.0	0.0869	50	0.2		
"	901286	460.0	466.0	6.0	0.1152	80	0.2		
"	901287	466.0	472.0	6.0	0.1415	310	0.2		
"	901288	472.0	478.0	6.0	0.0534	40	0.0		
"	901289	478.0	484.0	6.0	0.1081	80	0.5		
"	901290	484.0	489.0	5.0	0.0956	80	0.0		
"	901291	489.0	494.0	5.0	0.1178	90	0.1		
"	901292	494.0	499.0	5.0	0.1393	60	0.0		
"	NS	499.0	527.0	28.0					
"	901293	527.0	530.5	3.5	0.1109	10	0.2		

ASSAY DRILL LOG FOR DDH 90-33

COORDINATES: 8+00E
3+90S

COLLAR ELEVATION: 5373'
BEARING: -
INCLINATION: -90
TOTAL DEPTH: 667'

LABORATORIES: NO.1 Vangeochem Laboratories
NO.2 ACME Analytical Laboratories

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-33	901294	17.0	23.0	6.0	0.1654	90	0.3		
"	901295	23.0	29.0	6.0	0.1141	30	0.0		
"	901296	29.0	35.0	6.0	0.0435	10	0.0		
"	901297	35.0	41.0	6.0	0.0707	60	0.0		
"	901298	41.0	47.0	6.0	0.0203	30	0.0		
"	901299	47.0	51.0	4.0	0.0172	20	0.0		
"	901300	51.0	57.0	6.0	0.0550	80	0.0		
"	901301	57.0	63.0	6.0	0.0583	50	0.2		
"	NS	63.0	87.0	24.0					
"	901302	87.0	93.0	6.0	0.0106	0	0.0		
"	NS	93.0	116.0	23.0					
"	901303	116.0	122.0	6.0	0.0076	0	0.0		
"	NS	122.0	148.0	26.0					
"	901304	148.0	154.0	6.0	0.0062	0	0.0		
"	NS	154.0	179.0	25.0					
"	901305	179.0	185.0	6.0	0.0025	0	0.0		
"	NS	185.0	212.0	17.0					
"	901306	212.0	218.0	6.0	0.0014	0	0.0		
"	NS	218.0	247.0	29.0					
"	901307	247.0	253.0	6.0	0.0534	10	0.0		
"	NS	253.0	271.0	18.0					
"	901308	271.0	277.0	6.0	0.0785	20	0.0		
"	901309	277.0	283.0	6.0	0.1157	70	0.2		
"	901310	283.0	289.0	6.0	0.0134	20	0.0		
"	901311	289.0	293.0	4.0	0.0203	20	0.0		
"	901312	293.0	298.0	5.0	0.0156	20	0.0		
"	901313	298.0	302.5	4.5	0.0206	30	0.0		
"	901314	302.5	308.0	5.5	0.0480	300	0.1		
"	901315	308.0	313.0	5.0	0.0100	10	0.0		
"	901316	313.0	318.0	5.0	0.1808	180	0.1		
"	901317	318.0	324.0	6.0	0.0872	90	0.2		
"	901318	324.0	330.0	6.0	0.0910	100	0.1		
"	901319	330.0	336.0	6.0	0.0271	50	0.0		
"	901320	336.0	342.0	6.0	0.0557	30	0.0		
"	901321	342.0	348.0	6.0	0.2457	170	0.4		
"	901322	348.0	354.0	6.0	0.0990	110	0.0		
"	901323	354.0	360.0	6.0	0.0423	60	0.0		
"	901324	360.0	366.0	6.0	0.0058	40	0.0		
"	901325	366.0	372.0	6.0	0.0048	20	0.0		
"	901326	372.0	377.0	5.0	0.1201	80	0.0		
"	901327	377.0	382.0	5.0	0.1112	100	0.3		
"	901328	382.0	388.0	6.0	0.0299	50	0.0		
"	901329	388.0	394.0	6.0	0.0196	50	0.0		
"	901330	394.0	400.0	6.0	0.0136	30	0.0		
"	901331	400.0	406.0	6.0	0.2371	80	0.3		
"	901332	406.0	412.0	6.0	0.0075	40	0.0		

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag	Lab No.2 % Cu	ppb Au
90-33	901333	412.0	418.0	6.0	0.0024	20	0.0		
"	901334	418.0	424.0	6.0	0.0165	10	0.0		
"	901335	424.0	430.0	6.0	0.0225	50	0.4		
"	901336	430.0	435.0	5.0	0.0042	30	0.0		
"	901337	435.0	440.0	5.0	0.0309	30	0.1		
"	901338	440.0	447.0	7.0	0.0140	40	0.0		
"	901339	447.0	453.0	6.0	0.1297	80	0.4		
"	901340	453.0	459.0	6.0	0.3310	590	1.3	0.40	720
"	901341	459.0	465.0	6.0	0.4237	200	1.2	0.53	206
"	901342	465.0	471.0	6.0	0.3131	410	1.8	0.39	171
"	901343	471.0	479.0	8.0	0.2460	120	0.6	0.30	171
"	901344	479.0	487.0	8.0	0.0673	100	0.6		
"	901345	487.0	493.0	6.0	0.0285	60	0.1		
"	901346	493.0	499.0	6.0	0.0564	70	0.1		
"	901347	499.0	505.0	6.0	0.0834	50	0.0		
"	901348	505.0	511.0	6.0	0.0243	40	0.0		
"	901349	511.0	517.0	6.0	0.1211	120	0.2		
"	901350	517.0	523.0	6.0	0.0704	100	0.2		
"	901351	523.0	529.0	6.0	0.0383	50	0.0		
"	901352	529.0	535.0	6.0	0.0262	40	0.0		
"	NS	535.0	555.0	20.0					
"	901353	555.0	561.0	6.0	0.0147	60	0.0		
"	901354	561.0	567.0	6.0	0.0225	20	0.2		
"	901355	567.0	573.0	6.0	0.0265	30	0.0		
"	901356	573.0	579.0	6.0	0.0303	40	0.0		
"	901357	579.0	585.0	6.0	0.0866	70	0.4		
"	NS	585.0	600.0	15.0					
"	901358	600.0	606.0	6.0	0.0712	60	0.3		
"	901359	606.0	612.0	6.0	0.0278	40	0.2		
"	NS	612.0	626.0	24.0					
"	901360	626.0	632.0	6.0	0.0282	30	0.5		
"	901361	632.0	638.0	6.0	0.0680	40	0.2		
"	901362	638.0	644.0	6.0	0.0861	60	1.8		
"	901363	644.0	649.0	5.0	0.0678	20	0.5		

ASSAY DRILL LOG FOR DDH 90-34

COORDINATES: 8+00W
7+98N

COLLAR ELEVATION: 5302'
BEARING: -
INCLINATION: -90
TOTAL DEPTH: 548'

LABORATORIES: NO.1 Vangeochem Laboratories

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag
90-34	901364	57.0	64.0	7.0	0.0029	10	0.1
"	NS	64.0	83.0	19.0			
"	901365	83.0	89.0	6.0	0.0055	20	0.1
"	901366	89.0	95.0	6.0	0.0041	0	0.0
"	901367	95.0	107.0	12.0	0.0029	0	0.2
"	901368	107.0	113.0	6.0	0.0080	20	0.2
"	NS	113.0	153.0	40.0			
"	901369	153.0	154.5	1.5	0.0077	0	0.2
"	NS	154.5	170.0	15.5			
"	901370	170.0	176.0	6.0	0.0074	0	0.0
"	NS	176.0	200.0	24.0			
"	901371	200.0	202.5	2.5	0.0056	10	0.1
"	NS	202.5	211.0	8.5			
"	901372	211.0	217.0	6.0	0.0076	0	0.1
"	901373	217.0	223.0	6.0	0.0088	0	0.0
"	901374	223.0	229.0	6.0	0.0163	0	0.0
"	901375	229.0	235.0	6.0	0.0115	20	0.2
"	901376	235.0	241.0	6.0	0.0051	0	0.0
"	NS	241.0	280.0	39.0			
"	901377	280.0	286.0	6.0	0.0093	0	0.0
"	NS	286.0	381.0	95.0			
"	901378	381.0	386.0	5.0	0.0080	0	0.0

ASSAY DRILL LOG FOR DDH 90-35

COORDINATES: 0+19E
1+14N

COLLAR ELEVATION: 5318'
BEARING: -
INCLINATION: -90
TOTAL DEPTH: 571'

LABORATORIES: NO.1 Vangeochem Laboratories

Taseko Hole No.	Sample	Footage From	To	Interval	Lab No. 1 % Cu	ppb Au	ppm Ag
90-35	901398	53.0	59.0	6.0	0.0149	10	0.0
"	901399	59.0	66.0	7.0	0.0139	10	0.2
"	901400	66.0	71.5	5.5	0.0271	20	0.2
"	901401	71.5	77.0	5.5	0.0338	30	0.4
"	901402	77.0	83.0	6.0	0.0267	20	0.5
"	901403	83.0	89.0	6.0	0.0621	60	0.4
"	901404	89.0	96.0	7.0	0.0357	20	0.3
"	901405	96.0	103.0	7.0	0.0140	20	0.1
"	901406	103.0	109.0	6.0	0.0504	40	3.6
"	901407	109.0	115.0	6.0	0.0356	30	0.3
"	NS	115.0	151.0	36.0			
"	901408	151.0	157.0	6.0	0.0241	40	0.2
"	901409	157.0	163.0	6.0	0.0419	50	0.1
"	901410	163.0	169.0	6.0	0.0315	60	0.2
"	NS	169.0	197.0	28.0			
"	901411	197.0	203.0	6.0	0.0867	700	0.3
"	NS	203.0	225.0	22.0			
"	901412	225.0	231.0	6.0	0.0767	170	0.4
"	NS	231.0	256.0	25.0			
"	901413	256.0	262.0	6.0	0.0410	40	0.0
"	NS	262.0	272.0	10.0			
"	901414	272.0	278.0	6.0	0.0211	50	0.0
"	NS	278.0	337.0	59.0			
"	901415	337.0	343.0	6.0	0.0487	40	0.2
"	NS	343.0	423.0	80.0			
"	901416	423.0	429.0	6.0	0.0409	20	0.2
"	NS	429.0	468.0	39.0			
"	901417	468.0	474.0	6.0	0.0470	20	0.0
"	901418	474.0	480.0	6.0	0.0294	0	0.0
"	901419	480.0	486.0	6.0	0.0691	70	0.0
"	901420	486.0	492.0	6.0	0.1301	50	0.1
"	901421	492.0	499.0	7.0	0.1342	100	0.0
"	901422	499.0	506.5	7.5	0.0636	20	0.0
"	NS	506.5	539.5	33.0			
"	901423	539.5	543.5	4.0	0.0825	30	0.3
"	901424	543.5	547.5	4.0	0.0683	20	0.0

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

ICAP GEOCHEMICAL ANALYSES

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, Sn, Sr and W.

ANALYST:

REPORT #: 900088 PA | WESTPINE METALS LTD. | PROJECT: None Given | DATE IN: JULY 06 1990 | DATE OUT: JULY 10 1990 | ATTENTION: MR. BILL OSBORNE | PAGE 1 OF 1

Sample Name	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
5398	.1	.04	<3	48	<3	.03	.5	1	71	375	.41	.01	.01	64	6	.01	14	.01	8	<2	<2	7	<5	<3	11
90004	.1	.92	<3	93	<3	.67	3.0	15	78	277	7.93	.10	.08	386	13	.03	61	.11	2	<2	6	53	<5	<3	19
90007	.5	1.08	67	72	<3	.74	2.1	29	29	571	4.75	.11	.03	301	11	.01	31	.24	<2	<2	5	92	<5	<3	18
90008	.8	.88	21	32	<3	.29	1.9	66	50	1053	4.68	.05	.01	94	32	.01	58	.12	<2	<2	3	85	<5	<3	11
90009	.4	1.14	<3	30	<3	.15	1.8	41	33	415	4.96	.02	.02	119	16	.01	54	.04	<2	<2	5	46	<5	<3	14
90011	.7	1.13	8	36	<3	.13	1.9	50	56	1090	4.04	.02	.02	103	8	.01	41	.04	<2	<2	4	51	<5	<3	22
90014	<0.1	.97	23	22	<3	.17	2.3	39	50	344	4.66	.02	.02	65	16	.01	34	.03	22	5	6	52	13	<3	14
90015	<0.1	.65	<3	24	<3	2.14	1.8	19	78	29	4.14	.22	.05	27	7	.01	25	.04	24	4	5	408	<5	<3	5
90016	<0.1	2.29	50	42	<3	1.67	2.6	15	39	275	3.55	.20	1.34	296	16	.01	25	.09	21	11	10	118	<5	75	30
90018	.1	1.84	40	44	<3	1.85	2.6	19	66	587	2.73	.21	1.10	263	36	.02	25	.05	24	9	8	107	<5	43	26
90019	<0.1	1.20	22	22	<3	3.06	2.6	21	36	96	3.40	.27	.94	89	13	.02	22	.03	24	<2	7	195	<5	29	9
90020	<0.1	1.34	21	26	<3	1.59	3.3	19	85	12	3.59	.19	1.07	92	10	.02	26	.03	23	5	8	151	<5	24	8
90024	.1	3.31	65	97	6	2.31	2.7	22	61	171	2.68	.24	1.74	379	22	.07	28	.07	15	10	13	105	<5	115	55
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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested

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

ICAP GEOCHEMICAL ANALYSES

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, Sn, Sr and W.

ANALYST:

REPORT #: 900096 PA | ALPINE EXPLORATION CORP. | PROJECT: None Given | DATE IN: JULY 12 1990 | DATE OUT: JULY 17 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
527A	.9	.47	<3	83	<3	2.11	.8	15	61	593	1.24	.24	.01	348	8	.01	20	.10	17	<2	3	87	11	<3	11
539A	.3	.18	<3	189	<3	.10	.5	3	75	357	.42	.02	.01	76	9	.01	5	.01	10	<2	2	36	<5	<3	11
539C	.1	.08	<3	189	<3	.04	.2	4	174	338	.62	.01	.01	52	10	.01	7	.01	9	<2	<2	13	<5	<3	10
540A	.1	.07	15	383	<3	.02	1.1	3	83	627	.53	.01	.01	86	14	.01	10	.01	24	17	2	19	<5	<3	23
540B	<0.1	.08	<3	469	<3	.02	.5	2	199	324	.41	.01	.01	58	9	.01	8	.01	15	<2	2	26	<5	<3	11
90001	.2	.49	89	47	<3	.91	2.9	24	112	313	3.92	.13	.14	384	11	.04	24	.08	49	<2	6	64	<5	<3	142
90002	.7	.87	18	28	<3	.28	1.7	76	36	1504	3.82	.04	.06	228	17	.02	66	.06	18	<2	6	39	<5	<3	26
90003	.3	1.12	16	136	<3	.86	2.3	12	84	827	5.48	.13	.09	516	19	.03	43	.08	23	<2	8	69	<5	<3	24
90005	.1	.82	<3	157	<3	1.01	.5	9	82	163	1.47	.15	.03	164	67	.01	9	.15	5	<2	3	77	<5	<3	6
90006	.1	1.02	<3	116	<3	1.64	.6	10	59	177	2.28	.21	.06	259	57	.01	13	.29	9	<2	5	112	<5	<3	10
90010	.6	1.47	60	26	<3	.20	2.8	54	75	602	5.80	.03	.02	128	11	.03	57	.06	20	<2	8	50	<5	<3	17
90012	.8	1.12	14	41	<3	.19	.9	54	41	574	3.34	.03	.02	107	13	.02	35	.05	12	<2	6	41	<5	<3	13
90013	.3	1.72	16	43	<3	.26	1.3	44	24	461	3.97	.04	.03	117	10	.02	33	.04	11	<2	7	71	<5	<3	15
90017	.3	2.01	19	29	<3	2.11	1.9	17	47	392	2.96	.25	1.32	159	14	.02	22	.07	28	<2	8	181	<5	9	20
90017A	.3	1.76	22	35	<3	1.27	2.1	22	30	391	3.75	.17	.97	240	13	.02	24	.06	20	<2	8	76	<5	<3	26
90017B	<0.1	1.99	14	33	<3	1.83	1.4	12	67	74	2.80	.23	1.19	210	9	.02	24	.07	11	<2	7	103	<5	8	17
90021	.2	1.64	49	23	8	3.04	3.4	27	40	193	4.45	.29	1.24	155	13	.01	32	.04	48	12	12	145	33	26	16
90022	.3	2.96	70	45	16	2.08	3.1	30	81	381	4.38	.24	1.88	562	23	.02	30	.04	40	7	15	78	25	38	39
90023	.4	2.44	58	28	12	2.01	3.4	30	45	332	4.05	.23	1.59	459	19	.01	28	.06	43	8	13	120	27	27	29
90025	.3	2.81	60	91	8	3.34	3.1	22	100	348	3.74	.31	1.47	663	23	.01	31	.09	39	5	13	219	23	33	60
90026	.5	1.89	40	24	12	6.15	2.6	28	41	1510	2.59	.39	1.39	721	45	.01	36	.07	41	2	10	298	<5	30	31
90027	.2	1.71	39	19	<3	6.08	2.5	21	72	270	3.00	.39	1.26	1703	19	.01	23	.06	37	2	10	356	<5	26	29
90027A	.1	1.87	46	25	<3	5.64	2.4	17	39	119	2.71	.38	1.47	1478	11	.01	22	.06	36	<2	11	408	<5	25	27
90027B	.2	1.46	57	16	13	6.18	2.9	22	71	74	3.06	.39	1.14	415	14	.01	31	.08	63	26	12	573	50	45	20
90027C	.3	.67	9	22	<3	3.55	1.8	16	42	174	3.91	.31	.07	106	7	.01	21	.06	27	<2	6	580	<5	6	12
90028A	.3	1.29	31	42	<3	.31	1.4	22	133	93	3.34	.05	.02	69	11	.01	42	.06	27	<2	8	276	5	<3	7
90028B	.1	1.07	30	26	<3	.34	2.3	27	74	198	4.47	.05	.02	130	19	.01	45	.12	31	4	8	426	<5	<3	13
90029	.2	1.65	69	6	8	.72	4.1	45	108	586	>10.00	.10	.04	161	11	.04	72	.28	44	15	14	534	<5	9	15
90030	.2	1.53	60	15	11	.31	4.3	56	53	149	9.83	.04	.07	180	15	.05	50	.11	40	9	12	601	<5	<3	17
90031	.3	1.28	47	10	<3	.22	3.6	34	74	360	6.92	.03	.01	64	12	.03	75	.06	30	3	11	176	<5	<3	12
90032	.4	2.74	117	24	18	.99	5.9	70	59	987	>10.00	.13	.02	167	48	.07	109	.04	49	19	18	560	<5	21	24
90033	.3	2.08	44	10	<3	.82	2.1	48	89	409	5.19	.12	.01	62	57	.02	45	.05	23	<2	10	355	<5	<3	10
90034	.4	.56	44	9	<3	.05	3.0	38	29	448	5.80	.01	.01	36	11	.03	63	.01	29	<2	7	44	<5	<3	9
90035	<0.1	1.23	86	15	22	.61	5.7	84	41	417	>10.00	.08	.06	296	27	.09	68	.25	51	24	16	159	<5	19	47
90036	<0.1	1.03	103	12	<3	.16	3.4	29	87	184	6.63	.02	.02	204	13	.04	30	.06	42	7	9	69	<5	<3	70
90037	.3	.59	279	12	<3	.13	2.9	39	54	99	4.79	.02	.02	93	14	.02	46	.04	41	2	7	103	<5	<3	42
90038	.4	.10	13	128	11	.02	.6	5	70	1193	1.00	.01	.01	46	5	.01	6	.01	19	<2	2	20	<5	<3	23
90039	.3	.14	23	254	<3	.09	.9	5	192	160	.70	.01	.01	66	4	.01	9	.01	23	<2	3	24	<5	<3	29
90040	.2	.12	43	126	<3	.04	1.0	6	88	448	1.08	.01	.01	76	6	.01	8	.01	19	<2	2	15	<5	<3	13
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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested

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

ICAP GEOCHEMICAL ANALYSES

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, Sn, Sr and W.

ANALYST: Raymond

REPORT #: 900096 PA | ALPINE EXPLORATION CORP. | PROJECT: None Given | DATE IN: JULY 12 1990 | DATE OUT: JULY 17 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
90041	4.5	.09	523	3	37	.05	7.5	226	184	136	>10.00	.01	.06	233	80	.07	108	.01	119	40	14	14	38	16	56
90042	<0.1	.09	<3	150	<3	.07	.5	10	89	135	.90	.01	.01	60	7	.01	8	.01	4	<2	<2	11	<3	<3	10
90043	.7	.08	100	37	<3	.06	1.9	20	211	1768	2.93	.01	.06	317	13	.01	35	.01	19	10	3	7	<5	<3	32
90044	.3	.06	114	36	<3	.08	2.4	24	94	1160	4.32	.01	.10	463	13	.02	37	.01	26	10	4	7	<5	<3	51
90045	3.0	.07	574	19	34	.08	7.4	100	190	10429	8.14	.01	.11	604	34	.04	131	.01	97	88	9	7	25	<3	90
90046	1.0	.06	155	60	<3	.09	2.8	37	93	3552	4.85	.01	.08	514	154	.02	60	.01	29	20	5	7	<5	<3	47
90047	1.0	.14	77	19	7	.29	3.1	60	187	3076	5.50	.04	.11	627	103	.03	63	.01	28	12	5	17	<5	<3	50
90048	<0.1	.06	<3	367	<3	.06	.8	10	75	359	1.06	.01	.03	174	15	.01	13	.01	12	<2	2	20	<5	<3	16
90049	<0.1	.12	<3	477	<3	.07	.6	3	204	377	.46	.01	.01	53	10	.01	9	.01	6	<2	<2	25	<5	<3	7
90050	.1	.10	<3	520	<3	.05	.4	5	86	723	.41	.01	.01	51	35	.01	7	.01	8	<2	<2	28	<5	<3	11
90051	.1	.05	<3	440	<3	.12	.4	2	186	141	.31	.02	.01	60	6	.01	6	.01	4	<2	<2	22	<5	<3	5
90052	.1	.03	<3	362	<3	.08	.3	3	83	714	.36	.01	.01	60	26	.01	6	.01	8	<2	<2	18	<5	<3	8
90053	<0.1	.05	<3	161	<3	.07	.6	3	186	411	.37	.01	.01	67	37	.01	7	.01	9	<2	<2	10	<5	<3	7
90054	.2	.05	<3	144	<3	.17	.3	3	89	292	.38	.03	.01	89	19	.01	6	.01	11	<2	<2	11	<5	<3	8
90055	.2	.06	9	168	<3	.19	.8	8	201	362	.89	.03	.02	138	25	.01	12	.01	12	10	2	11	<5	<3	19
90056	.3	.05	5	165	<3	.11	.5	8	84	952	.86	.02	.02	105	30	.01	11	.01	12	3	2	9	<5	<3	18
90057	.6	.02	<3	59	<3	.15	1.5	23	215	2387	1.73	.02	.03	109	61	.01	24	.01	19	<2	3	5	<5	<3	26
90058	.6	.10	109	195	<3	.05	1.5	22	92	3153	1.81	.01	.04	166	75	.01	31	.01	25	5	2	14	<5	<3	53
90059	<0.1	.11	36	302	<3	.03	1.0	15	218	576	1.16	.01	.03	136	7	.01	18	.01	12	<2	<2	15	<5	<3	29
90060	<0.1	.05	<3	376	<3	.02	.6	6	87	732	.83	.01	.02	94	15	.01	13	.01	20	<2	<2	16	<5	<3	21
90061	.4	.07	<3	213	<3	.04	.8	26	168	1548	1.01	.01	.03	73	11	.01	28	.01	10	<2	<2	12	<5	<3	27
90062	.1	.07	<3	455	<3	.02	.5	8	91	575	.60	.01	.01	59	9	.01	9	.01	6	<2	<2	19	<5	<3	15
90063	.3	.07	<3	245	<3	.04	.9	12	202	1296	.98	.01	.03	69	30	.01	14	.01	10	<2	2	11	<5	<3	27
90064	.7	.20	32	31	<3	.06	2.3	52	95	2472	3.13	.01	.06	123	28	.02	41	.01	26	<2	4	17	<5	<3	75
90065	2.7	.20	90	46	36	.09	5.2	148	167	7264	>10.00	.01	.09	297	84	.06	123	.01	55	24	11	7	<5	<3	132
90066	2.3	.12	127	16	26	.10	5.5	151	83	5418	9.34	.01	.12	345	76	.07	143	.01	62	30	10	5	<5	<3	176
90067	2.4	.10	202	46	33	.09	6.7	82	201	7969	8.67	.01	.13	391	54	.07	135	.01	63	211	9	8	<5	<3	172
90068	1.7	.03	131	231	13	.11	3.6	53	95	6412	5.08	.01	.10	364	89	.03	85	.01	40	67	6	16	<5	<3	92
90069	2.7	.04	138	14	29	.06	3.2	49	202	10229	5.00	.01	.09	326	211	.04	85	.01	45	28	6	4	<5	<3	100
90070	2.8	.03	131	79	27	.05	3.0	63	94	11306	4.91	.01	.08	326	203	.04	101	.01	38	10	5	6	<5	<3	77
90071	2.6	.01	165	39	25	.11	2.6	47	189	10506	3.27	.01	.07	277	33	.02	83	.01	167	44	4	15	<5	<3	71
90072	1.5	.01	320	129	16	.06	3.3	50	90	8391	3.19	.01	.08	360	27	.02	79	.01	58	48	5	13	<5	<3	68
90073	.8	.15	175	168	<3	.32	2.3	32	209	4283	3.25	.05	.15	337	97	.01	90	.04	27	4	4	15	<5	<3	66
90074	1.0	.13	49	20	<3	.11	2.5	38	86	4787	3.58	.01	.09	320	16	.03	75	.02	25	<2	5	5	<5	<3	76
90075	5.6	.05	234	15	67	.07	5.3	310	180	>20000	>10.00	.01	.08	351	17	.08	248	.01	62	31	11	4	<5	<3	123
90076	6.0	.13	384	26	78	.05	5.6	489	89	>20000	9.05	.01	.08	209	48	.08	559	.02	59	29	11	4	<5	<3	169
90077	6.3	.03	1063	13	77	.04	5.9	450	181	>20000	8.29	.01	.06	150	10	.07	625	.02	104	78	11	3	<5	<3	128
90078	4.6	.10	181	8	64	.08	4.5	133	74	16648	7.22	.01	.12	316	122	.06	333	.02	55	28	9	4	<5	<3	174
90079	4.3	.10	188	12	61	.09	5.8	81	172	12477	>10.00	.01	.11	358	25	.09	281	.02	63	32	12	4	<5	<3	179
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) - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested

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

ICAP GEOCHEMICAL ANALYSES

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, Sn, Sr and W.

ANALYST: Raymond Lee

REPORT #: 900036 PA | ALPINE EXPLORATION CORP. | PROJECT: None Given | DATE IN: JULY 12 1990 | DATE OUT: JULY 17 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
90080	5.1	.10	109	10	41	.13	4.2	65	92	12699	8.81	.01	.10	352	415	.05	247	.04	49	17	9	5	<5	<3	99
90081	6.6	.14	335	23	71	.10	5.4	266	152	19452	9.18	.01	.10	397	30	.07	446	.02	60	44	11	5	<5	<3	235
90082	6.4	.09	517	43	59	.15	6.0	223	91	12394	>10.00	.01	.21	925	735	.06	451	.02	66	46	12	10	<5	<3	163
90083	13.1	.08	358	17	115	.07	6.7	905	156	>20000	>10.00	.01	.08	489	27	.08	719	.03	77	35	13	4	<5	<3	165
90084	13.0	.08	640	42	138	.13	6.4	316	76	>20000	>10.00	.01	.16	651	177	.09	750	.05	91	96	13	8	<5	<3	246
90085	10.2	.14	351	37	117	.08	6.2	535	147	>20000	>10.00	.01	.05	341	18	.08	892	.04	76	34	13	7	<5	<3	213
90086	1.2	.27	124	18	27	.11	4.0	133	87	6015	9.76	.01	.12	735	26	.05	274	.02	38	9	9	5	<5	<3	72
90087	4.2	.21	122	10	64	.10	5.5	87	141	14605	>10.00	.01	.10	647	44	.07	271	.03	54	26	10	5	<5	3	140
90088	5.1	.25	215	40	64	.13	5.1	91	101	19905	9.24	.01	.15	740	13	.06	247	.03	63	49	10	8	<5	<3	133
90089	1.5	.05	319	66	31	.33	7.5	68	166	2891	>10.00	.04	.43	2075	11	.08	223	.02	64	101	12	13	<5	20	131
90090	6.5	.09	699	28	95	.08	6.0	123	95	>20000	8.36	.01	.11	482	13	.07	314	.03	109	252	9	5	<5	<3	165
90091	2.9	.13	168	27	43	.06	4.3	77	171	12035	>10.00	.01	.09	676	27	.07	259	.02	43	17	9	4	<5	<3	103
90092	1.7	.17	110	13	45	.08	5.9	57	185	8014	>10.00	.01	.13	942	17	.08	256	.02	50	20	12	4	<5	<3	77
90093	1.8	.13	88	86	43	.08	5.1	122	103	10621	>10.00	.01	.09	638	31	.07	203	.02	44	13	10	8	<5	<3	122
90094	.5	.09	103	116	9	.10	3.8	64	93	4819	7.56	.01	.11	485	13	.05	131	.01	29	13	6	10	<5	<3	56
90095	.5	.20	140	250	<3	.23	2.6	28	177	2329	4.80	.04	.19	374	9	.03	87	.06	44	29	5	26	<5	<3	63
90096	.2	.54	19	199	<3	.20	2.0	15	56	189	4.74	.03	.19	318	7	.03	41	.05	18	<2	5	24	<5	<3	60
90097	.3	.07	<3	14	<3	.04	.4	3	188	1265	.61	.01	.01	46	31	.01	10	.01	2	<2	<2	4	<5	<3	13
90098	.2	.23	69	253	<3	.30	.6	5	67	1415	.67	.05	.01	85	48	.01	9	.11	11	<2	<2	41	<5	<3	47
90099	.2	.39	15	75	<3	.45	1.9	21	138	775	3.94	.07	.02	244	14	.02	56	.02	19	<2	4	23	<5	<3	42
90100	.4	.39	<3	55	<3	.31	.6	8	62	643	1.04	.05	.01	94	40	.01	23	.03	13	<2	2	21	<5	<3	30
90101	.3	.45	<3	48	<3	.24	1.2	6	148	481	1.67	.04	.01	91	42	.01	22	.02	13	<2	3	18	<5	<3	12
90102	.2	.05	<3	10	<3	.10	.5	3	95	872	.57	.01	.01	83	25	.01	8	.01	10	<2	<2	4	<5	<3	13
90103	.2	.04	<3	8	<3	.05	.1	2	188	363	.41	.01	.01	58	5	.01	5	.01	6	<2	<2	3	<5	<3	9
90104	.1	.02	<3	12	<3	.09	.6	2	78	386	.74	.01	.01	95	6	.01	6	.01	6	<2	<2	3	<5	<3	13
90105	.2	.01	<3	6	<3	.13	.8	5	196	1253	1.02	.02	.01	105	8	.01	12	.01	10	<2	<2	3	<5	<3	15
90106	.2	.01	<3	1	<3	.12	.5	3	82	697	.56	.02	.01	70	6	.01	7	.01	10	<2	<2	2	<5	<3	13
90107	.4	.01	<3	1	<3	.06	.6	4	197	729	.56	.01	.01	55	8	.01	11	.01	19	<2	<2	2	<5	<3	19
90108	.8	.01	<3	1	<3	.11	.6	4	78	2684	.75	.02	.01	55	23	.01	11	.01	14	<2	<2	2	<5	<3	16
90109	1.0	.01	<3	3	<3	.09	.8	6	183	2141	.78	.01	.01	52	58	.01	14	.01	16	<2	2	2	<5	<3	17
90110	.4	.52	<3	74	<3	1.64	.6	5	56	533	.74	.21	.01	185	104	.01	12	.12	18	<2	3	55	17	<3	15
90111	.5	.93	15	118	<3	2.39	.6	8	44	679	.58	.27	.02	211	114	.01	13	.23	24	<2	3	111	29	<3	19
90112	.1	1.54	43	405	<3	2.19	2.2	14	33	41	2.98	.25	1.01	648	10	.01	27	.11	26	<2	9	141	<5	12	67
90113	.2	1.22	14	718	<3	2.15	1.8	13	45	44	2.92	.25	.74	595	6	.01	23	.10	18	<2	7	140	<5	<3	66
90114	.3	.51	<3	102	<3	1.22	.9	9	38	650	.46	.17	.03	195	29	.01	14	.09	21	<2	3	73	16	<3	41
90115	.3	.79	<3	151	<3	.89	.7	56	56	1936	.92	.14	.01	121	53	.01	45	.09	27	<2	4	74	<5	<3	59
90116	.3	.78	<3	278	<3	1.57	.7	19	32	1152	.64	.21	.01	230	96	.01	28	.09	27	<2	4	82	19	<3	50
90117	.4	.82	16	249	<3	1.30	1.2	30	69	1549	1.35	.18	.01	186	40	.01	53	.10	30	<2	4	93	20	<3	41
90118	.1	.42	<3	308	<3	1.64	.6	5	41	502	.28	.21	.01	202	76	.01	10	.07	25	<2	3	76	19	<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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested

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

ICAP GEOCHEMICAL ANALYSES

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, Sn, Sr and W.

ANALYST: 

REPORT #: 900096 PA | ALPINE EXPLORATION CORP. | PROJECT: None Given | DATE IN: JULY 12 1990 | DATE OUT: JULY 17 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
90119	.2	.49	20	66	<3	1.34	.5	16	62	1238	.51	.19	.01	232	50	.01	43	.03	10	<2	2	63	<5	<3	27
90120	.3	.58	<3	62	<3	1.29	.4	12	33	908	.48	.18	.01	189	83	.01	21	.12	8	<2	2	70	<5	<3	18
90121	.8	.51	9	55	<3	1.41	.6	18	69	1483	.59	.19	.01	216	79	.01	42	.08	14	<2	2	58	7	<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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested

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

ICAP GEOCHEMICAL ANALYSES

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, Sn, Sr and W.

ANALYST: Reynolds

REPORT #: 900103 PA | ALPINE EXPLORATION CORP. | PROJECT: None Given | DATE IN: JULY 16 1990 | DATE OUT: JULY 20 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
90122	1.0	.61	<3	51	<3	1.07	.1	17	39	1527	.87	.16	.01	189	92	.01	37	.04	14	<2	3	73	6	<3	29
90123	2.7	1.03	14	80	<3	1.08	.7	50	70	3718	1.64	.15	.02	183	30	.01	112	.05	23	<2	6	111	12	<2	40
90124	3.5	1.10	87	202	7	1.06	2.9	36	52	6645	6.98	.15	.08	223	59	.03	124	.13	48	13	10	60	<5	3	64
90125	3.3	1.11	3	55	<3	1.14	.6	36	61	6067	1.85	.16	.03	120	33	.01	137	.23	25	<2	6	129	8	<3	40
90126	2.8	.95	9	37	<3	.69	1.0	55	42	5575	1.97	.11	.02	88	28	.01	82	.09	23	<2	7	86	<5	<3	41
90127	4.0	1.19	26	54	<3	1.39	.4	42	48	7118	2.03	.18	.04	140	72	.01	68	.18	33	<2	7	92	15	<3	55
90128	4.7	1.14	64	32	3	1.69	2.6	46	41	7519	5.51	.21	.05	239	47	.01	100	.13	46	10	10	76	11	3	77
90129	2.3	1.01	<3	51	<3	1.07	.1	25	50	3040	1.08	.15	.02	125	39	.01	45	.14	18	<2	5	135	9	<3	27
90130	2.3	.81	44	563	<3	.67	1.7	21	76	1965	4.64	.10	.22	216	50	.01	57	.13	36	5	8	48	<5	<3	38
90131	1.8	.56	<3	805	<3	1.52	.3	7	83	1068	1.00	.20	.16	293	27	.01	24	.21	19	<2	4	62	14	<3	21
90132	1.9	.49	77	324	<3	1.56	1.0	12	51	1626	2.46	.20	.09	451	17	.01	31	.17	24	<2	5	81	<5	<3	34
90133	3.4	.58	177	291	<3	.26	3.7	15	123	4560	8.38	.04	.10	545	642	.05	65	.07	54	23	10	45	<5	<3	65
90134	2.6	.60	270	230	4	.29	3.4	31	53	3935	7.94	.04	.12	530	232	.06	63	.06	49	34	11	42	<5	<3	91
90135	5.1	.33	356	13	14	.14	4.5	182	117	7356	>10.00	.01	.05	159	15	.07	642	.04	82	41	13	30	<5	4	60
90136	6.9	.61	304	13	20	.21	5.5	117	73	9661	>10.00	.02	.14	716	180	.11	187	.02	84	55	16	41	<5	10	146
90137	1.5	.11	13	326	<3	.04	1.0	10	172	1017	1.59	.01	.04	231	22	.01	21	.01	26	5	4	85	<5	<3	28
90138	.5	.02	<3	244	<3	.01	.1	3	70	742	.60	.01	.01	72	40	.01	9	.01	9	<2	2	13	<5	<3	13
90139	.9	.12	<3	271	<3	.02	.2	3	191	655	.65	.01	.02	102	20	.01	7	.01	13	<2	3	18	<5	<3	16
90140	1.3	.06	<3	134	<3	.07	.1	6	82	1548	.99	.01	.03	104	11	.01	15	.01	14	<2	3	7	<5	<3	26
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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample 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 ANALYSES

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, Sn, Sr and W.

ANALYST:

REPORT #: 900112 PA | ALPINE EXPLORATION CORP. | PROJECT: None Given | DATE IN: JULY 18 1990 | DATE OUT: JULY 24 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
90014A	<0.1	.84	12	27	<3	.18	1.8	21	59	41	3.98	.02	.04	47	6	.02	33	.04	26	<2	5	80	<5	<3	13
90014B	<0.1	1.06	37	25	<3	.16	1.8	26	30	134	4.57	.01	.05	58	11	.01	32	.05	39	13	7	74	10	<3	21
90014C	<0.1	.95	26	34	<3	.42	1.5	21	68	64	4.35	.06	.03	60	7	.04	29	.04	37	5	5	157	<5	<3	26
90141	.6	.11	<3	116	<3	.06	1.4	16	72	3020	1.90	.01	.06	152	67	.03	34	.01	19	7	3	13	<5	<3	41
90142	.2	.10	13	507	<3	.05	.3	8	180	753	.97	.01	.03	115	20	.01	15	.01	20	<2	3	30	9	<3	16
90143	.2	.06	<3	334	<3	.01	.6	5	84	691	.62	.01	.02	61	18	.01	10	.01	14	<2	2	15	<5	<3	11
90144	<0.1	.11	<3	409	<3	.07	.3	3	192	721	.68	.01	.02	82	5	.04	9	.01	6	<2	<2	21	<5	<3	14
90145	.4	.13	<3	316	<3	.31	.3	13	70	2118	1.33	.05	.04	186	24	.01	28	.01	19	<2	3	22	<5	<3	27
90146	.2	.10	<3	312	<3	.13	1.1	17	163	1817	1.46	.02	.05	126	87	.01	33	.01	19	<2	2	17	<5	<3	29
90147	<0.1	.11	<3	251	<3	.05	.5	5	86	278	1.00	.01	.04	111	18	.01	15	.01	15	<2	2	13	<5	<3	21
90148	<0.1	.14	<3	407	<3	.03	.6	4	182	147	.68	.01	.02	103	6	.01	8	.01	12	<2	2	22	<5	<3	13
90150	<0.1	.04	<3	179	<3	.04	.9	7	93	937	1.24	.01	.04	142	23	.06	16	.01	10	<2	2	8	<5	<3	19
90151	.1	.15	<3	312	<3	.04	.6	5	193	233	.89	.01	.03	96	10	.01	12	.01	14	<2	2	19	<5	<3	20
90152	.1	.09	<3	312	<3	.04	.1	6	87	743	1.07	.01	.04	109	25	.16	11	.01	4	<2	<2	14	<5	<3	29
90153	.3	.09	<3	99	<3	.03	.5	6	181	363	.73	.01	.03	87	16	.03	10	.01	8	<2	2	6	<5	<3	25
90154	.2	.19	31	101	<3	.11	1.4	12	94	766	1.72	.01	.09	210	15	.14	23	.02	12	<2	2	22	<5	<3	37
90155	1.0	.05	130	101	11	.08	1.3	31	172	4990	2.69	.01	.07	301	46	.15	55	.01	26	14	4	7	<5	<3	51
90156	.5	.01	66	108	<3	.09	1.6	22	78	3424	2.87	.01	.08	619	30	.27	52	.03	22	<2	3	8	<5	<3	36
90157	.7	.01	78	80	15	.04	2.0	36	193	7342	3.11	.01	.06	301	87	.27	69	.01	27	9	4	6	<5	<3	47
90158	1.0	.03	78	79	21	.04	1.8	41	78	11432	3.34	.01	.07	269	39	.40	76	.01	27	8	3	7	<5	<3	55
90159	.4	.04	125	50	12	.05	1.1	31	211	6625	2.42	.01	.05	215	29	.15	66	.01	27	23	4	13	<5	<3	42
90160	.9	.02	279	51	14	.04	1.9	34	95	7676	2.89	.01	.07	444	46	.25	59	.01	60	100	4	14	<5	<3	58
90161	.8	.04	791	44	36	.09	3.6	103	212	9317	7.51	.01	.20	1065	47	.74	147	.01	45	121	7	7	<5	<3	70
90163	1.0	.01	221	29	34	.06	1.9	42	83	11150	3.67	.01	.09	451	32	.25	79	.01	38	25	5	4	<5	<3	50
90164	1.0	.02	85	49	23	.03	1.3	49	76	9994	3.52	.01	.05	253	25	.36	80	.01	29	<2	4	4	<5	<3	41
90165	1.2	.04	193	37	29	.04	2.4	46	203	11998	3.37	.01	.07	222	38	.40	83	.02	36	65	4	16	<5	<3	73
90166	1.3	.04	446	35	44	.05	2.3	74	92	15589	4.80	.01	.10	397	39	.71	110	.02	38	39	5	12	<5	<3	68
90167	.9	.03	400	67	26	.06	2.4	45	189	8758	4.55	.01	.11	448	20	.49	91	.01	33	31	6	13	<5	<3	58
90168	1.3	.02	289	73	27	.06	2.5	52	85	13057	4.53	.01	.11	496	72	.71	108	.02	42	78	4	8	<5	<3	74
90169	1.0	.03	95	59	<3	.36	1.3	25	175	4265	3.70	.05	.15	596	39	.70	77	.01	17	17	4	9	<5	<3	43
90170	3.4	.07	180	25	45	.44	3.0	48	86	>515	7.61	.06	.21	794	66	1.26	160	.02	44	18	6	7	<5	<3	67
90171	1.5	.20	19	45	45	.13	3.1	78	159	14230	7.89	.01	.08	708	20	1.15	151	.02	43	11	8	11	<5	6	65
90172	1.0	.17	28	38	27	.05	3.7	48	112	7506	9.48	.01	.10	1271	22	1.14	140	.02	37	7	9	4	<5	<3	41
90173	.9	.18	50	31	39	.10	6.0	39	168	5870	>10.00	.01	.15	968	45	1.94	183	.02	52	30	12	5	<5	17	40
90174	3.0	.14	19	55	43	.06	2.5	65	92	14875	5.21	.01	.08	463	73	.82	170	.02	39	3	6	5	<5	<3	56
90175	1.2	.17	3	47	18	.08	2.3	39	183	7578	5.46	.01	.06	350	24	1.01	103	.01	27	<2	5	14	<5	<3	51
90176	.8	.16	15	80	8	.07	1.7	22	77	4675	4.36	.01	.06	142	27	.58	68	.01	25	<2	5	14	<5	<3	29
90177	1.1	.09	41	91	<3	.07	2.0	37	141	4513	3.60	.01	.06	248	13	.44	69	.01	30	<2	4	11	<5	<3	42
90178	1.3	.09	62	70	23	.10	2.2	49	79	8945	4.72	.01	.07	538	10	.58	123	.02	38	7	5	9	<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 > - Greater Than Maximum ir - Insufficient Sample ns - No Sample 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 ANALYSES

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, Sn, Sr and W.

ANALYST:

REPORT #: 900112 PA | ALPINE EXPLORATION CORP. | PROJECT: None Given | DATE IN: JULY 18 1990 | DATE OUT: JULY 24 1990 | ATTENTION: MR. BILL OSBORNE | PAGE 2 OF 4

Sample Name	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
90179	.8	.14	31	81	10	.13	3.2	44	160	3952	5.45	.01	.08	357	11	.03	97	.02	40	6	7	7	6	<3	40
90180	.6	.14	68	43	3	.10	3.3	31	99	3199	6.22	.01	.12	429	12	.08	89	.01	36	19	6	6	<5	<3	36
90181	.6	.15	<3	31	<3	.05	1.4	30	194	2798	4.08	.01	.04	205	23	.11	72	.01	21	<2	4	4	<5	<3	34
90182	.1	.05	<3	59	<3	.03	1.1	16	89	1231	2.26	.01	.02	176	10	.02	35	.01	17	<2	4	4	<5	<3	17
90183	.3	.02	<3	42	<3	.06	1.3	16	190	1656	2.02	.01	.03	181	16	.01	31	.01	20	<2	3	3	<5	<3	21
90184	.1	.01	<3	13	<3	.03	.5	12	106	1906	1.94	.01	.02	208	13	.09	28	.01	8	<2	2	2	<5	<3	19
90185	.4	.01	<3	7	<3	.03	1.4	10	222	1199	1.43	.01	.02	160	9	.01	21	.01	19	<2	3	2	<5	<3	14
90186	.1	.01	20	8	<3	.03	1.1	10	102	1285	1.59	.01	.02	124	9	.01	24	.01	17	<2	3	1	<5	<3	14
90187	.1	.02	<3	12	<3	.04	1.7	10	234	852	1.87	.01	.03	192	6	.01	27	.01	22	<2	4	2	<5	<3	17
90188	.2	.04	<3	12	<3	.04	1.4	32	108	1406	2.40	.01	.03	190	9	.01	31	.01	21	<2	4	2	<5	<3	14
90189	.1	.02	3	13	<3	.05	1.6	11	203	717	1.74	.01	.04	156	6	.01	22	.01	27	<2	4	2	18	<3	13
90190	.2	.03	6	9	<3	.10	2.1	19	104	2270	2.88	.02	.06	230	11	.01	43	.01	36	<2	6	3	28	<3	22
90191	.3	.02	<3	7	<3	.04	1.8	16	216	1887	2.08	.01	.03	176	8	.01	32	.01	32	<2	5	2	21	<3	19
90192	.2	.04	<3	8	<3	.04	1.4	15	103	1540	2.73	.01	.03	157	11	.01	34	.01	27	<2	4	2	<5	<3	15
90193	.4	.10	<3	14	<3	.08	3.0	25	211	2465	4.59	.01	.06	231	13	.01	56	.01	36	<2	5	3	10	<3	23
90194	.3	.20	17	13	7	.23	3.0	20	97	1252	5.34	.03	.09	360	10	.01	53	.01	39	5	6	5	15	<3	22
90195	.2	.06	17	10	<3	.14	2.5	17	193	592	2.52	.02	.06	242	8	.01	30	.01	40	4	6	3	44	<3	14
90196	<0.1	.11	<3	11	<3	.40	1.9	14	104	216	2.89	.06	.11	310	25	.01	35	.07	32	<2	5	5	22	<3	14
90197	.2	.22	14	52	<3	.23	2.6	16	214	355	5.34	.03	.13	350	10	.01	49	.01	37	3	7	6	11	<3	18
90198	.1	.89	19	663	<3	2.81	2.7	20	69	57	2.80	.36	.70	412	14	.01	33	.04	43	6	7	197	43	13	29
90199	.3	1.08	34	162	4	.94	2.2	26	125	47	2.86	.14	.99	283	9	.01	37	.05	48	11	10	50	29	6	41
90200	.5	.84	324	38	3	.11	3.6	62	62	573	4.52	.01	.03	144	17	.01	78	.03	62	27	9	10	45	<3	56
90201	.1	.40	23	156	<3	.19	1.8	23	143	292	1.09	.04	.01	75	12	.01	23	.06	45	5	6	19	60	<3	13
90202	.2	.47	28	107	<3	.46	2.0	35	65	457	1.48	.07	.01	147	19	.01	35	.09	56	10	6	33	61	<3	51
90203	.6	.41	23	109	<3	.40	2.9	31	177	611	1.49	.07	.01	127	48	.01	44	.05	95	10	7	33	65	<3	162
90204	.6	.40	9	104	<3	.43	1.6	28	76	1026	1.57	.07	.01	132	26	.01	37	.03	40	2	6	46	42	<3	18
90205	.1	.59	<3	406	<3	2.16	.8	18	61	269	.47	.30	.01	235	12	.01	12	.32	36	<2	5	296	53	<3	5
90206	.3	.77	38	94	5	1.23	2.0	59	52	1887	3.40	.18	.01	232	35	.01	67	.11	47	14	8	130	44	<3	13
90207	.3	.89	39	76	<3	.81	2.9	125	103	2048	4.37	.12	.01	192	59	.01	83	.07	45	19	8	67	33	<3	14
90208	.3	.63	20	32	3	1.04	2.1	75	40	861	3.22	.15	.01	144	16	.01	43	.16	37	4	6	75	22	<3	8
90209	.4	.79	80	39	4	1.13	2.9	72	133	1276	6.75	.16	.02	297	19	.08	108	.11	48	17	9	42	16	<3	29
90210	.4	.65	17	77	<3	1.63	1.6	23	50	920	2.75	.23	.01	246	12	.01	39	.23	32	<2	6	55	15	<3	15
90211	.2	.55	<3	59	<3	1.89	1.1	10	82	802	1.06	.26	.01	177	8	.01	12	.33	25	<2	5	72	9	<3	5
90212	.3	.82	4	46	<3	1.31	1.2	18	44	1141	1.53	.19	.01	144	28	.01	33	.16	35	<2	6	100	22	<3	11
90213	.3	.39	<3	62	<3	1.75	.3	10	95	1072	.64	.25	.01	209	8	.01	11	.22	18	<2	4	46	<5	<3	6
90214	.3	.54	<3	72	<3	1.98	.2	9	40	856	.33	.28	.01	233	9	.01	15	.30	15	<2	3	57	<5	<3	5
90215	.4	.82	<3	31	<3	1.23	.9	21	73	1125	1.65	.18	.01	104	13	.01	30	.18	23	<2	4	74	<5	<3	7
90216	.3	.59	<3	28	<3	1.04	.5	13	50	1452	1.08	.16	.06	144	13	.01	35	.17	15	<2	3	48	<5	<3	10
90217	.4	.03	<3	1	<3	.05	.2	<1	2	61	.05	.01	.01	6	<1	.01	<1	.01	<2	<2	<2	2	<5	<3	<1
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
sum De	0	10	2000		100	00	10	20000		200	1.00		10.0	30		10.00		10.	4000		100.	00		1000	

(- Less Than Minimum) - Greater Than Maximum is - Insufficient Sample ns - No Sample 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 ANALYSES

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, Sn, Sr and W.

ANALYST:

REPORT #: 900112 PA | ALPINE EXPLORATION CORP. | PROJECT: None Given | DATE IN: JULY 18 1990 | DATE OUT: JULY 24 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
90218	.3	.65	<3	30	<3	1.68	.3	9	31	346	.74	.26	.01	173	7	.01	15	.27	11	<2	2	89	<5	<3	5
90219	.2	.75	10	52	<3	1.27	1.6	35	108	1153	2.85	.19	.02	179	15	.01	43	.11	31	<2	5	345	11	<3	12
90220	.2	.84	33	43	<3	.73	2.3	44	70	404	5.31	.10	.05	155	15	.02	72	.10	38	<2	6	354	<5	<3	32
90221	.2	.83	11	31	<3	.42	1.8	34	92	660	4.34	.06	.02	80	12	.02	58	.03	28	<2	6	1031	<5	<3	16
90222	.2	.55	<3	27	<3	.79	1.8	25	56	816	3.27	.12	.02	127	14	.01	44	.03	26	<2	5	76	<5	<3	22
90223	.5	.72	85	27	13	.65	4.1	152	140	3809	8.44	.09	.03	326	23	.06	171	.03	51	15	8	25	<5	<3	69
90224	.3	.63	29	24	<3	.41	2.5	77	46	1147	5.32	.06	.01	123	11	.03	88	.02	29	<2	6	35	<5	<3	23
90225	.4	.40	<3	36	<3	.83	1.5	42	91	1546	3.53	.13	.01	148	19	.02	47	.03	22	<2	4	41	<5	<3	29
90226	.4	.38	<3	30	<3	.62	1.3	52	46	1535	3.49	.09	.01	132	11	.02	46	.04	16	<2	3	26	<5	<3	20
90227	.3	.36	<3	13	<3	1.20	2.0	48	128	2812	2.95	.18	.01	128	9	.01	46	.01	33	<2	5	32	<5	<3	51
90228	.2	.40	<3	32	<3	.40	1.8	36	44	298	3.70	.06	.01	52	8	.01	45	.01	19	<2	5	55	<5	<3	9
90229	.3	.58	<3	24	<3	.61	1.2	24	98	910	2.35	.09	.01	79	10	.01	36	.02	23	<2	4	200	<5	<3	27
90230	.2	.73	<3	20	<3	.94	.7	17	35	1215	1.37	.14	.01	119	13	.01	25	.03	23	<2	4	206	<5	<3	16
90231	.3	.39	<3	26	<3	1.01	.3	7	98	1657	.81	.16	.01	83	17	.01	16	.01	13	<2	2	256	<5	<3	11
90232	.2	.39	<3	18	<3	.46	.8	8	37	1239	.82	.08	.01	55	12	.01	14	.01	17	<2	3	72	<5	<3	12
90233	.3	.42	<3	18	<3	.62	.7	12	77	1731	.94	.10	.01	72	14	.01	18	.01	26	<2	4	65	<5	<3	66
90234	.4	.44	<3	19	<3	.52	.6	11	39	1729	.95	.08	.01	58	20	.01	17	.01	20	<2	3	62	<5	<3	18
90235	.4	.44	<3	37	<3	.78	.6	9	87	2227	1.08	.12	.01	59	12	.01	11	.15	22	<2	4	72	<5	<3	16
90236	.5	.42	<3	17	<3	.50	.8	16	31	2572	1.09	.08	.01	65	25	.01	26	.02	24	<2	3	54	<5	<3	29
90237	.3	.46	<3	12	<3	.10	1.8	32	80	772	3.19	.01	.01	36	8	.01	42	.01	27	<2	5	28	<5	<3	15
90238	.3	.39	<3	16	<3	.23	.9	15	33	1212	1.54	.03	.01	49	18	.01	33	.02	22	<2	2	45	<5	<3	26
90239	.2	.39	<3	21	<3	.42	.7	8	99	688	.64	.07	.01	55	16	.01	12	.02	15	<2	<2	50	<5	<3	9
90240	.2	.37	<3	34	<3	.28	1.1	13	53	738	1.27	.04	.01	54	40	.01	18	.02	22	<2	2	63	<5	<3	17
90241	.3	.50	<3	21	<3	.20	1.7	17	73	246	2.38	.03	.01	35	9	.01	28	.02	23	<2	3	52	<5	<3	10
90242	.2	.39	<3	34	<3	.66	1.1	15	44	877	1.61	.10	.01	66	14	.01	21	.05	17	<2	<2	98	<5	<3	9
90243	.3	.41	<3	35	<3	.79	1.2	16	113	2175	1.41	.12	.01	40	26	.01	75	.04	27	<2	3	263	<5	<3	15
90244	.5	.40	<3	31	<3	.57	1.6	19	39	4192	1.65	.09	.01	62	18	.01	32	.04	23	<2	<2	113	<5	<3	23
90245	.5	.36	<3	45	<3	.76	1.6	18	123	1703	1.72	.12	.01	95	37	.01	28	.04	23	<2	2	206	<5	<3	10
90246	.3	.40	<3	41	<3	.56	1.3	12	36	1389	1.02	.09	.01	84	32	.01	20	.03	22	<2	2	153	<5	<3	9
90247	.6	.46	<3	41	<3	.55	1.2	21	94	3746	1.37	.08	.01	91	15	.01	37	.04	30	<2	3	67	<5	<3	16
90248	3.2	.62	<3	25	13	.52	2.3	45	50	6045	3.35	.08	.01	219	19	.01	76	.03	53	<2	4	26	<5	<3	115
90249	.4	.85	<3	35	4	.29	2.6	60	93	2718	5.18	.04	.01	164	15	.01	77	.02	36	<2	4	336	<5	<3	38
90250	.5	.71	<3	19	8	.40	2.8	46	44	3803	4.76	.06	.01	169	38	.01	70	.04	42	<2	4	748	<5	<3	44
90251	.5	.60	<3	87	<3	.34	2.3	43	111	1352	3.00	.05	.01	193	15	.01	45	.06	38	<2	4	42	<5	<3	35
90252	.3	.58	<3	85	<3	.80	1.6	22	35	1094	.81	.13	.01	163	27	.01	27	.09	32	<2	2	49	<5	<3	22
90253	.2	.39	<3	64	<3	.77	1.8	13	67	711	.45	.12	.01	166	13	.01	23	.21	50	<2	3	36	21	<3	47
90254	.5	.32	<3	120	<3	.68	1.5	17	37	2113	.74	.11	.01	227	29	.01	30	.15	49	<2	4	42	22	<3	56
90255	.4	.36	<3	141	<3	.56	2.0	30	65	1136	.91	.09	.01	125	16	.01	23	.13	45	<2	4	196	<5	<3	36
90256	.4	.46	22	55	<3	.91	1.8	28	32	1253	1.59	.14	.02	189	16	.01	37	.15	44	<2	4	75	<5	<3	48
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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample 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 ANALYSES

A .5 grae 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, Sn, Sr and W.

ANALYST: Reynold Cha

REPORT #: 900112 PA | ALPINE EXPLORATION CORP. | PROJECT: None Given | DATE IN: JULY 18 1990 | DATE OUT: JULY 24 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
90257	.4	.10	24	48	<3	.13	15.8	7	163	526	.39	.02	.01	71	48	.01	10	.02	48	<2	6	8	14	<3	141
90258	.5	.72	91	57	7	.28	13.3	30	52	2217	1.29	.04	.03	163	20	.02	31	.09	56	7	6	38	6	<3	152
90259	.2	.17	22	196	<3	.04	11.6	8	150	762	.49	.01	.01	43	10	.02	5	.01	41	<2	3	18	<5	<3	137
90260	.2	.10	20	282	<3	.02	11.9	8	72	476	.42	.01	.01	28	21	.01	7	.01	52	<2	6	18	17	<3	122
90261	.2	.10	27	214	5	.01	11.1	9	180	914	.51	.01	.01	31	14	.01	8	.01	53	<2	4	13	14	4	127
90262	.1	.02	29	83	5	.01	10.0	10	81	1508	.87	.01	.01	40	36	.01	10	.01	71	8	5	5	19	<3	118
90263	.3	.02	25	41	5	.01	8.6	9	189	1797	.92	.01	.01	55	27	.01	14	.01	53	8	7	3	14	4	111
90264	.4	.07	23	245	4	.01	8.8	5	86	1621	.58	.01	.01	40	21	.01	11	.01	41	5	3	14	6	<3	120
90265	.2	.13	20	348	<3	.03	8.0	6	162	615	.46	.01	.01	30	7	.01	7	.01	40	<2	4	26	11	<3	106
90266	.2	.13	11	371	<3	.03	7.9	4	78	99	.40	.01	.01	30	5	.01	2	.01	37	<2	2	26	7	<3	100
90267	.2	.16	18	408	<3	.05	6.8	5	138	377	.39	.01	.01	29	8	.01	2	.01	37	<2	3	29	11	<3	96
90268	.1	.15	19	118	<3	.06	6.3	6	71	733	.64	.01	.01	36	16	.01	2	.01	34	<2	3	9	<5	<3	95
90269	.2	.15	17	162	<3	.05	6.6	6	143	546	.74	.01	.01	62	36	.01	8	.01	37	<2	3	9	10	4	84
90270	.3	.09	11	145	<3	.04	5.6	4	72	873	.80	.01	.01	62	17	.04	3	.01	24	<2	3	13	<5	<3	86
90271	.2	.11	31	118	4	.08	6.9	13	161	932	2.99	.01	.11	262	26	.04	25	.01	58	8	5	14	11	<3	114
90272	.2	.11	11	294	<3	.06	6.5	4	70	667	1.22	.01	.04	103	13	.05	8	.01	23	<2	2	26	<5	<3	93
90273	.1	.12	27	251	3	.03	6.0	6	165	819	.71	.01	.01	54	12	.01	10	.01	35	3	4	19	13	<3	87
90274	.1	.15	23	75	<3	.06	5.1	5	72	611	1.71	.01	.05	174	38	.04	12	.01	29	<2	3	10	<5	<3	105
90275	.1	.14	10	47	<3	.06	4.8	2	145	622	1.17	.01	.02	98	38	.05	2	.01	13	<2	<2	7	<5	<3	85
90276	.1	.11	15	46	<3	.04	4.7	6	72	665	1.20	.01	.01	61	32	.03	8	.01	21	<2	3	6	<5	4	80
90277	.2	.10	19	59	<3	.06	4.1	3	165	691	.79	.01	.02	61	18	.02	22	.01	21	<2	2	7	<5	<3	75
90278	.2	.14	26	70	<3	.07	4.3	7	75	783	1.97	.01	.07	183	47	.01	15	.01	33	3	4	10	15	7	96
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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
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, Sn, Sr and W.

ANALYST: _____

REPORT #: 900144 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: JULY 25 1990 | DATE OUT: AUG 08 1990 | ATTENTION: MR. BILL OSBORNE | PAGE 1 OF 7

Sample Name	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
90279	0.1	0.21	20	130	<3	0.08	2.0	13	188	1644	2.25	0.06	0.09	167	25	0.01	30	<0.01	34	<2	6	16	<5	<3	45
90280	<0.1	0.20	116	49	<3	0.10	1.5	8	135	1407	2.29	0.04	0.09	164	24	<0.01	30	0.02	23	<2	5	8	<5	3	35
90281	<0.1	0.23	55	45	<3	0.11	2.3	13	194	775	3.51	0.06	0.12	233	9	<0.01	43	0.01	33	<2	5	8	<5	<3	44
90282	0.1	0.12	209	77	6	0.17	3.7	25	205	1587	4.48	0.16	0.14	327	18	0.04	77	0.02	80	52	10	12	49	<3	40
90283	0.8	0.54	93	31	31	0.28	5.0	95	365	602	>10.00	0.17	0.24	424	21	0.02	228	0.03	81	52	13	13	85	<3	57
90284	0.1	0.24	75	20	19	0.17	4.1	26	162	1094	4.48	0.19	0.09	167	19	0.05	80	0.05	83	39	12	7	<5	<3	32
90285	0.3	0.11	96	35	10	0.17	2.5	30	183	2763	3.00	0.19	0.07	138	18	0.05	64	0.05	80	34	12	6	8	<3	29
90286	0.1	0.25	59	47	14	0.35	3.8	23	129	727	5.30	0.20	0.09	254	20	0.05	73	0.05	85	41	12	8	<5	<3	26
90287	<0.1	0.19	28	14	<3	0.24	3.3	16	104	506	2.60	0.14	0.06	146	14	0.03	42	0.04	58	10	9	5	<5	<3	21
90288	<0.1	0.31	48	57	27	0.19	4.5	30	199	1030	8.26	0.17	0.09	202	17	0.03	93	0.03	74	37	12	7	38	<3	28
90289	0.1	0.20	35	60	9	0.23	2.5	23	130	1092	4.17	0.15	0.07	199	16	0.03	62	0.02	65	20	10	7	16	<3	23
90290	<0.1	0.09	44	25	<3	0.10	3.5	17	182	454	1.94	0.15	0.05	116	13	0.04	38	0.03	67	18	11	4	14	<3	22
90291	0.2	0.07	58	41	3	0.10	2.7	23	118	2470	3.06	0.15	0.06	175	17	0.04	65	0.02	989	46	>1000	5	<5	<3	25
90292	0.3	0.04	111	58	5	0.08	2.6	26	121	2585	2.38	0.16	0.05	175	17	0.04	58	0.02	85	24	28	6	67	<3	20
90293	<0.1	0.24	133	57	30	0.21	5.2	31	212	1050	9.65	0.18	0.14	296	19	0.03	131	0.03	87	47	14	9	<5	<3	36
90294	<0.1	0.29	51	11	26	0.11	4.9	28	104	577	>10.00	0.15	0.09	291	17	0.02	143	0.03	71	30	12	4	<5	<3	26
90295	<0.1	0.29	92	28	45	0.22	4.6	67	155	507	>10.00	0.17	0.15	493	35	0.02	155	0.03	83	45	14	8	52	<3	37
90296	<0.1	0.38	64	46	34	0.18	4.4	32	124	670	9.97	0.17	0.11	360	20	0.03	121	0.04	78	37	13	8	<5	<3	32
90297	1.2	0.26	77	22	11	0.17	3.6	35	205	3666	6.35	0.15	0.07	339	16	0.03	173	0.03	73	27	12	6	<5	<3	34
90298	0.1	0.12	130	29	17	0.18	3.8	29	126	1453	4.93	0.16	0.10	193	18	0.03	87	0.03	77	27	12	9	19	<3	28
90299	0.1	0.23	87	81	26	0.27	4.7	31	218	778	8.74	0.17	0.19	352	19	0.03	120	0.03	85	46	13	13	<5	<3	44
90300	<0.1	0.23	115	228	28	0.33	4.4	34	161	813	9.36	0.17	0.23	569	17	0.03	123	0.03	82	45	13	19	<5	<3	51
90301	0.7	0.23	140	35	18	0.26	4.4	52	124	1476	7.87	0.15	0.19	474	19	0.03	117	0.03	79	46	12	30	<5	<3	58
90302	0.6	0.12	152	34	19	0.43	3.7	40	219	1544	4.92	0.16	0.19	474	17	0.03	78	0.02	79	35	11	24	<5	<3	47
90303	<0.1	0.40	73	30	26	0.20	3.8	33	122	1688	8.06	0.15	0.12	285	18	0.03	98	0.02	76	28	12	8	7	<3	38
90304	0.2	0.15	52	15	22	0.16	3.9	28	154	1317	6.09	0.15	0.08	311	15	0.03	81	0.02	74	24	12	7	13	<3	23
90305	1.1	0.20	60	16	28	0.20	4.2	37	121	2689	8.54	0.16	0.09	375	20	0.03	114	0.02	82	29	13	6	<5	<3	32
90306	<0.1	0.31	38	46	<3	1.35	2.5	22	116	315	1.59	0.16	0.04	360	18	0.03	32	0.09	68	10	10	32	<5	<3	23
90307	<0.1	0.31	38	76	<3	1.02	2.8	57	66	81	2.56	0.16	0.08	390	17	0.03	54	0.04	70	12	10	31	<5	<3	18
90308	<0.1	0.33	55	17	27	0.33	3.9	23	116	387	8.00	0.16	0.13	364	20	0.03	97	0.02	77	28	12	11	<5	<3	28
90309	1.1	0.55	52	28	21	0.42	5.0	64	152	1923	8.06	0.16	0.20	315	19	0.03	94	0.02	81	29	12	15	<5	<3	47
90310	<0.1	0.26	38	28	15	0.55	4.7	27	126	782	5.16	0.16	0.14	315	20	0.03	64	0.03	75	20	11	14	<5	<3	29
90311	<0.1	0.50	47	158	22	0.63	4.3	20	119	1397	5.37	0.16	0.25	337	19	0.03	64	0.03	75	21	12	34	<5	<3	29
90312	<0.1	1.87	51	280	29	0.96	3.5	37	177	604	4.51	0.18	1.70	380	20	0.03	62	0.07	82	24	18	55	<5	122	45
90313	<0.1	0.56	45	88	22	0.80	4.0	20	100	186	7.63	0.17	0.25	291	18	0.03	89	0.02	79	24	12	65	<5	<3	29
90314	<0.1	1.55	47	180	20	0.76	3.0	35	136	53	4.43	0.16	1.52	309	17	0.03	58	0.08	80	22	18	48	<5	99	39
90315	<0.1	0.67	43	101	11	0.73	3.7	30	67	767	4.16	0.15	0.13	357	25	0.03	47	0.03	76	16	12	39	<5	12	37
90316	0.7	0.86	46	52	15	0.41	3.8	62	64	2904	7.80	0.15	0.04	272	92	0.02	81	0.03	82	26	12	32	<5	24	40
90317	0.4	1.23	55	72	34	0.56	4.8	63	87	2808	>10.00	0.16	0.06	387	54	0.02	124	0.06	87	33	13	42	<5	99	50
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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED

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ICAP GEOCHEMICAL ANALYSIS

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This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: Reynold Cr

REPORT #: 900144 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: JULY 25 1990 | DATE OUT: AUG 08 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
90318	<0.1	0.89	47	76	18	0.87	3.5	38	89	425	7.40	0.16	0.05	384	31	0.02	85	0.04	80	22	12	139	<5	58	37
90319	<0.1	0.78	35	102	13	1.30	3.3	24	61	524	4.82	0.16	0.04	424	33	0.03	63	0.08	71	13	11	181	<5	45	25
90320	<0.1	0.92	35	73	<3	1.29	1.9	26	54	702	3.70	0.16	0.06	494	32	0.03	50	0.08	72	12	11	98	<5	114	25
90321	<0.1	1.07	64	56	18	0.95	4.0	41	79	1060	6.37	0.15	0.09	425	128	0.02	84	0.06	75	18	11	62	<5	199	34
90322	<0.1	1.41	31	137	5	1.10	1.8	25	58	405	3.34	0.15	0.37	598	58	0.03	50	0.08	73	12	10	75	<5	525	38
90323	1.2	1.31	46	18	12	0.78	3.5	76	70	3406	6.28	0.15	0.08	286	44	0.02	111	0.11	78	18	11	85	<5	747	59
90324	5.0	1.04	42	30	15	1.03	4.5	43	56	9877	5.75	0.15	0.05	404	24	0.01	143	0.08	75	15	11	43	<5	>1000	287
90325	0.7	1.38	46	45	21	1.20	4.4	37	64	2035	7.05	0.15	0.05	574	210	0.02	82	0.10	78	18	11	93	13	<3	87
90326	1.6	0.90	40	83	8	0.85	4.2	39	56	4335	6.44	0.14	0.05	327	87	0.02	95	0.08	77	14	11	80	<5	<3	146
90327	0.2	0.64	34	95	13	1.04	3.4	37	68	1589	5.32	0.15	0.04	440	39	0.02	66	0.06	74	12	10	66	<5	<3	48
90328	0.6	0.53	39	36	14	0.74	4.2	118	55	2481	6.66	0.14	0.07	397	37	0.02	66	0.06	74	13	11	51	<5	24	46
90329	0.2	0.51	37	56	5	0.37	1.8	43	77	1106	3.83	0.13	0.04	222	36	0.02	39	0.06	68	6	10	43	<5	15	40
90330	0.1	0.42	57	11	11	0.21	3.2	106	71	817	5.16	0.12	0.03	174	20	0.02	40	0.06	70	6	10	30	<5	30	20
90331	<0.1	0.48	33	77	6	0.60	1.9	41	71	773	3.71	0.12	0.04	325	29	0.02	28	0.05	73	3	9	58	<5	18	58
90332	0.2	0.56	38	94	5	0.49	3.9	56	54	1047	4.07	0.12	0.04	314	23	0.02	38	0.05	94	4	9	42	<5	3	198
90333	<0.1	0.53	33	117	7	0.50	3.9	27	73	447	5.77	0.12	0.04	387	31	0.02	37	0.06	71	5	10	44	<5	7	43
90334	<0.1	0.65	35	111	16	0.74	3.2	28	69	479	8.47	0.13	0.04	386	20	0.02	62	0.08	70	11	11	61	7	<3	46
90335	<0.1	0.67	35	171	20	0.85	3.8	25	100	751	8.83	0.13	0.04	431	32	0.02	69	0.04	68	10	10	79	<5	<3	41
90336	1.7	0.80	35	26	17	1.31	5.3	61	60	5683	6.77	0.23	0.08	512	24	0.04	123	0.06	33	9	5	89	<5	12	57
90337	0.5	0.60	55	22	7	1.32	2.0	74	75	5171	5.78	0.21	0.08	427	28	0.03	63	0.17	18	<2	3	99	63	11	41
90338	0.1	1.09	34	211	6	2.70	1.9	45	64	3122	6.69	0.36	0.07	654	33	0.03	60	0.28	20	8	2	166	>100	18	26
90339	2.1	0.54	93	19	14	1.86	1.7	83	57	2921	5.72	0.29	0.03	234	11	0.02	44	0.05	19	<2	3	49	<5	8	15
90340	<0.1	0.54	50	19	5	1.15	1.8	58	43	1726	6.32	0.22	0.07	379	19	0.02	59	0.06	19	9	4	52	31	7	16
90341	<0.1	0.71	43	28	6	0.21	1.4	44	46	607	5.06	0.05	0.02	120	15	0.02	53	0.03	17	<2	3	38	25	14	24
90342	<0.1	0.67	32	17	21	0.08	1.8	44	63	540	6.06	0.07	0.01	62	17	0.02	62	0.02	17	4	4	65	<5	12	15
90343	<0.1	0.79	39	18	25	0.10	2.1	44	85	521	8.31	0.09	0.01	72	12	0.03	72	0.03	23	12	4	69	<5	14	19
90344	<0.1	1.24	53	28	17	0.22	1.4	56	50	207	9.99	0.13	0.03	327	14	0.04	53	0.08	31	24	6	32	7	26	26
90345	<0.1	0.68	25	14	11	0.26	1.3	35	35	66	7.20	0.12	0.03	214	10	0.03	41	0.06	34	9	4	47	25	10	52
90346	<0.1	0.46	30	17	5	0.18	1.6	62	90	366	6.64	0.10	0.03	194	9	0.03	52	0.03	28	6	4	32	<5	7	27
90347	<0.1	0.80	91	27	12	0.49	2.3	65	49	308	7.91	0.17	0.08	286	14	<0.01	63	0.04	23	15	3	47	<5	11	23
90348	<0.1	0.61	162	23	<3	0.19	2.3	52	59	244	5.02	0.08	0.04	153	9	0.02	53	0.06	23	5	2	31	13	10	22
90349	<0.1	0.51	101	18	<3	0.13	1.9	35	52	703	4.13	0.07	0.03	178	20	0.02	46	0.04	25	<2	3	30	11	8	40
90350	0.3	0.15	136	52	<3	0.05	1.8	36	90	1771	2.51	<0.01	0.03	149	17	0.03	50	0.01	24	17	3	11	26	<3	121
90351	0.2	0.07	49	20	<3	0.02	0.4	21	169	1003	1.24	<0.01	<0.01	71	10	0.02	25	<0.01	14	<2	<2	6	<5	<3	50
90352	<0.1	0.08	28	47	<3	0.03	0.9	23	100	794	1.48	<0.01	0.01	90	25	0.02	31	<0.01	21	<2	<2	9	29	<3	66
90353	0.2	0.12	25	57	<3	0.03	1.0	17	121	1439	1.33	<0.01	0.01	93	34	0.03	23	0.01	52	<2	<2	7	74	<3	220
90354	0.8	0.07	27	23	<3	0.03	0.9	16	168	2091	1.42	<0.01	0.02	98	83	0.02	24	0.01	15	<2	<2	4	63	<3	52
90355	1.9	0.04	54	7	<3	0.03	2.8	14	99	3418	1.40	<0.01	0.01	98	62	0.04	30	<0.01	82	<2	2	4	11	<3	291
90356	<0.1	0.04	17	12	<3	0.02	1.4	6	87	636	0.77	<0.01	<0.01	71	28	0.03	17	<0.01	56	<2	<2	4	39	<3	195
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 | > = Greater Than Maximum | - Insufficient Sample | ns - None Submitted | RES = Results Further Uses By Private Mail | Suggested

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
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, Sn, Sr and W.

ANALYST:

REPORT #: 900144 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: JULY 25 1990 | DATE OUT: AUG 08 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
90357	0.3	0.24	167	20	<3	0.21	1.5	26	84	1909	1.68	<0.01	0.01	84	28	0.03	35	0.03	23	<2	<2	16	>100	6	101
90358	0.9	0.33	156	32	8	0.12	2.8	62	67	3981	4.17	0.05	0.05	211	46	0.03	71	0.03	30	3	3	19	19	7	108
90359	0.8	0.39	283	66	<3	0.19	3.8	91	172	3784	6.33	0.08	0.10	391	39	0.06	80	0.05	54	32	4	27	37	8	275
90360	<0.1	0.48	59	30	<3	0.12	1.2	50	39	543	4.94	0.07	0.03	165	11	0.02	51	0.05	24	<2	4	21	38	9	36
90361	<0.1	0.54	45	18	5	0.13	1.2	56	66	279	5.10	0.08	0.02	86	8	0.02	56	0.06	19	5	4	32	<5	9	16
90362	<0.1	0.42	39	90	<3	0.19	<0.1	15	65	413	2.64	0.04	0.04	127	11	0.02	25	0.08	12	<2	3	37	34	8	29
90363	<0.1	0.10	28	104	<3	0.06	1.1	6	156	561	1.17	<0.01	0.03	105	9	0.01	17	0.02	8	<2	<2	15	27	<3	21
90364	<0.1	0.06	32	75	<3	0.02	0.8	19	89	972	1.64	0.01	0.03	97	23	0.01	24	<0.01	10	<2	<2	9	11	<3	25
90365	0.4	0.07	322	32	<3	0.04	2.6	36	103	3836	2.89	0.02	0.04	145	34	0.02	54	0.01	23	5	3	14	74	<3	65
90366	0.2	0.12	116	33	<3	0.02	1.8	35	144	3644	3.19	<0.01	0.04	219	30	0.03	61	<0.01	13	<2	3	19	70	<3	51
90367	1.5	0.11	45	21	5	0.03	2.1	43	82	6579	3.89	0.04	0.03	215	105	0.03	78	<0.01	16	<2	4	13	<5	<3	32
90368	0.5	0.06	90	85	<3	0.04	2.0	28	108	3827	3.28	0.04	0.05	321	36	0.02	57	<0.01	17	3	4	16	31	<3	36
90369	0.4	0.06	118	87	<3	0.04	<0.1	19	151	3505	2.39	<0.01	0.04	222	32	0.02	47	<0.01	11	<2	<2	25	57	<3	36
90370	0.2	0.03	8	158	<3	0.02	0.6	8	114	706	0.92	<0.01	<0.01	65	6	0.01	17	<0.01	5	<2	<2	16	68	<3	11
90371	0.1	0.04	19	86	<3	0.02	0.8	10	134	2326	1.20	<0.01	0.02	82	11	0.02	26	<0.01	9	<2	2	45	31	<3	24
90372	<0.1	0.03	11	391	<3	0.01	1.5	7	129	1556	0.93	<0.01	0.02	81	8	<0.01	23	<0.01	9	<2	<2	56	89	<3	18
90373	<0.1	0.02	<3	702	<3	<0.01	0.8	4	125	586	0.68	<0.01	0.01	79	5	<0.01	12	<0.01	9	<2	3	62	<5	<3	12
90374	<0.1	0.08	14	191	<3	0.02	1.4	7	125	356	1.12	<0.01	0.03	112	6	0.01	16	<0.01	6	<2	<2	14	35	<3	28
90375	<0.1	0.08	10	309	<3	0.02	1.6	5	159	320	0.86	<0.01	0.02	101	8	<0.01	24	<0.01	6	<2	<2	20	7	<3	17
90376	<0.1	0.15	8	101	<3	0.03	0.7	3	158	192	0.73	<0.01	0.02	121	8	0.01	13	<0.01	3	<2	<2	8	29	3	14
90377	<0.1	0.07	34	60	<3	0.03	1.0	5	171	338	0.62	<0.01	0.02	87	18	<0.01	16	<0.01	4	<2	<2	6	33	<3	12
90378	<0.1	0.04	79	54	<3	0.01	1.0	3	134	510	0.65	<0.01	0.01	89	18	0.01	16	<0.01	2	<2	<2	5	44	<3	12
90379	<0.1	0.07	31	46	<3	0.02	1.3	3	150	395	1.14	<0.01	0.05	127	17	0.01	15	<0.01	10	<2	<2	8	29	<3	33
90380	<0.1	0.11	5	37	<3	0.02	1.2	3	123	177	1.69	<0.01	0.08	168	9	0.01	16	<0.01	9	<2	<2	8	69	<3	43
90381	<0.1	0.08	37	27	<3	0.02	1.3	3	143	343	1.00	<0.01	0.04	134	16	0.01	13	<0.01	5	<2	<2	5	60	<3	23
90382	0.2	0.06	17	22	<3	0.02	1.2	5	112	364	0.74	<0.01	0.02	110	14	0.01	17	<0.01	4	<2	<2	4	>100	<3	19
90383	<0.1	0.07	<3	17	<3	0.02	0.9	4	152	232	0.80	<0.01	0.02	120	9	0.01	15	<0.01	<2	<2	<2	4	56	<3	21
90384	<0.1	0.18	5	26	<3	0.16	<0.1	4	117	274	0.84	<0.01	0.03	226	6	0.01	10	<0.01	4	<2	<2	10	26	4	27
90385	<0.1	0.28	5	41	<3	0.44	0.2	3	86	161	0.77	0.03	0.03	247	14	<0.01	9	0.01	4	<2	2	19	<5	4	24
90386	<0.1	0.20	20	69	<3	0.26	0.6	3	133	242	0.78	<0.01	0.04	213	18	<0.01	12	0.01	4	<2	<2	16	<5	5	19
90387	<0.1	0.31	44	52	<3	0.30	0.7	3	102	433	0.93	0.02	0.05	249	23	0.01	11	0.02	4	<2	<2	28	22	8	24
90388	<0.1	0.14	26	38	<3	0.11	0.9	5	84	204	1.08	<0.01	0.05	222	21	0.01	16	<0.01	7	<2	<2	10	39	<3	26
90389	<0.1	0.10	<3	18	<3	0.15	0.8	4	92	88	0.96	<0.01	0.04	179	14	0.01	16	0.01	4	<2	<2	7	34	<3	19
90390	<0.1	0.11	9	17	<3	0.36	0.7	4	103	128	0.92	<0.01	0.05	200	11	0.01	16	0.01	<2	<2	<2	9	14	<3	17
90391	<0.1	0.33	26	33	<3	2.04	0.6	9	183	600	2.09	0.27	0.12	388	54	<0.01	47	0.71	9	<2	<2	32	38	8	37
90392	<0.1	0.22	31	27	<3	0.96	1.1	6	139	370	1.50	0.11	0.08	258	30	0.01	27	0.33	7	<2	<2	19	100	6	27
90393	<0.1	0.31	60	25	<3	0.28	7.2	17	120	330	1.62	<0.01	0.13	284	43	<0.01	129	0.02	36	<2	10	26	<5	<3	53
90394	<0.1	0.15	76	36	<3	0.41	0.2	6	164	587	1.46	<0.01	0.06	236	18	<0.01	17	0.01	5	<2	8	17	19	3	23
90395	<0.1	0.27	3	39	<3	0.67	0.8	4	169	476	1.42	<0.01	0.05	365	15	<0.01	15	0.02	4	<2	<2	45	34	9	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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED

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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, Sn, Sr and W.

ANALYST:

REPORT #: 900144 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: JULY 25 1990 | DATE OUT: AUG 08 1990 | ATTENTION: MR. BILL OSBORNE | PAGE 4 OF 7

Sample Name	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
90396	<0.1	0.32	18	34	<3	0.50	0.4	11	101	151	1.65	0.12	0.17	382	14	0.02	186	0.04	34	<2	<2	321	7	7	38
90397	<0.1	0.20	67	41	5	0.11	1.1	9	119	411	1.52	0.13	0.07	313	17	0.03	15	0.01	30	10	<2	96	6	5	23
90398	<0.1	0.23	445	53	17	0.11	<0.1	17	185	1576	2.58	0.28	0.14	470	35	0.07	38	0.02	57	119	4	14	12	<3	36
90399	<0.1	0.17	170	32	<3	0.21	0.3	12	134	886	1.49	0.22	0.07	294	48	0.05	25	0.01	49	35	<2	76	31	<3	21
90400	<0.1	0.16	59	36	<3	0.29	2.2	14	182	463	1.41	0.26	0.05	283	43	0.06	24	0.02	46	29	<2	26	19	<3	20
90401	0.1	0.09	47	17	<3	0.11	1.3	19	157	1326	1.75	0.25	0.04	189	18	0.05	29	0.01	41	19	<2	5	18	<3	16
90402	0.1	0.19	70	35	26	0.27	1.2	22	146	947	3.46	0.39	0.07	373	30	0.09	41	0.02	70	53	8	9	8	<3	23
90403	<0.1	0.21	121	37	55	0.22	0.7	30	218	725	3.61	0.56	0.07	338	30	0.15	57	0.02	104	90	13	9	<5	<3	26
90404	<0.1	0.22	184	123	51	0.19	<0.1	56	176	1211	3.79	0.64	0.07	275	42	0.17	66	0.03	138	106	13	23	10	<3	74
90405	<0.1	0.14	309	139	64	0.19	<0.1	45	156	4446	2.94	0.74	0.08	189	42	0.20	68	0.07	156	161	18	18	27	<3	44
90406	0.7	0.13	446	121	71	0.17	4.0	46	215	2697	4.54	0.71	0.15	481	45	0.20	86	0.04	147	160	17	12	25	<3	43
90407	0.2	0.23	253	102	99	0.33	4.6	58	191	3125	4.77	0.78	0.12	268	44	0.22	106	0.03	153	162	18	15	25	<3	36
90408	0.7	0.23	157	135	55	0.26	5.7	57	179	4098	4.13	0.70	0.10	233	46	0.20	107	0.03	139	140	16	14	12	<3	28
90409	0.2	0.14	164	101	62	0.21	5.1	54	207	3293	3.50	0.77	0.09	205	46	0.22	97	0.03	145	144	17	9	<5	<3	21
90410	0.8	0.25	195	68	79	0.38	5.9	64	160	4762	6.18	0.77	0.15	401	39	0.22	132	0.05	150	154	18	10	10	<3	36
90411	0.4	0.15	223	104	69	0.19	5.4	63	202	4337	5.92	0.77	0.12	332	37	0.22	150	0.04	149	159	19	11	20	<3	32
90412	1.2	0.14	254	46	112	0.33	5.5	95	209	8664	8.36	0.92	0.13	448	140	0.27	250	0.04	179	193	26	17	<5	<3	36
90413	1.0	0.20	160	37	72	0.32	4.8	80	157	6737	8.68	0.60	0.11	454	131	0.17	212	0.03	116	117	16	13	<5	<3	35
90414	0.3	0.33	137	40	69	0.36	3.3	71	260	2176	>10.00	0.37	0.20	696	62	0.07	205	0.08	69	82	8	9	<5	<3	56
90415	0.1	0.36	64	26	45	0.46	1.9	42	248	1446	>10.00	0.11	0.23	661	23	<0.01	161	0.19	25	29	<2	7	19	6	46
90416	<0.1	0.47	<3	15	<3	0.18	<0.1	32	125	1283	>10.00	<0.01	0.29	645	14	<0.01	209	0.06	<2	<2	<2	3	12	11	47
90417	0.4	0.47	200	9	129	0.56	4.5	82	190	1928	>10.00	0.69	0.37	705	119	0.20	216	0.16	141	157	16	7	<5	<3	39
90418	0.7	0.22	232	7	117	0.24	6.6	85	194	2861	>10.00	0.81	0.18	472	61	0.26	167	0.06	179	195	23	5	12	<3	42
90419	0.4	0.13	118	5	40	0.19	3.3	55	164	3096	>10.00	0.39	0.13	518	30	0.12	127	0.02	96	91	9	4	<5	<3	40
90420	0.4	0.24	47	8	21	0.24	<0.1	41	208	2810	9.55	0.15	0.11	434	25	0.03	108	0.05	35	25	3	4	<5	<3	37
90421	1.1	0.20	84	11	20	0.18	<0.1	35	169	4393	6.82	0.19	0.10	382	68	0.04	140	0.02	40	30	<2	5	<5	<3	39
90422	<0.1	0.48	76	17	31	0.29	<0.1	26	178	1426	8.88	0.23	0.11	412	33	0.05	113	0.01	46	39	<2	6	<5	7	30
90423	<0.1	0.76	48	27	22	0.52	<0.1	20	132	345	8.20	0.29	0.12	400	24	0.06	96	0.02	58	57	2	11	17	7	28
90424	0.8	0.98	210	19	12	0.21	<0.1	45	76	3284	5.08	0.21	0.05	132	30	0.05	88	0.04	41	34	<2	18	6	18	36
90425	<0.1	0.85	124	19	17	0.07	0.3	40	90	1862	4.40	0.17	0.02	49	22	0.05	53	0.03	42	28	<2	40	<5	11	25
90426	<0.1	1.09	167	11	65	0.16	<0.1	50	78	1011	6.55	0.42	0.04	68	21	0.14	102	0.05	103	88	9	143	<5	13	21
90427	0.2	1.39	148	11	45	0.22	<0.1	44	52	1690	7.37	0.29	0.05	134	18	0.08	86	0.07	71	58	5	91	<5	20	53
90428	0.1	1.54	367	9	23	0.21	<0.1	53	67	1507	8.23	0.18	0.05	95	22	0.04	73	0.05	46	49	<2	275	18	27	31
90429	0.1	1.37	162	9	19	0.24	<0.1	39	60	1360	6.82	0.19	0.06	130	19	0.06	60	0.04	51	40	<2	148	<5	23	39
90430	<0.1	0.97	27	277	19	1.08	<0.1	24	69	572	4.63	0.17	0.44	273	13	0.03	47	0.03	27	6	<2	63	<5	17	35
90431	<0.1	0.95	23	235	10	1.09	1.3	24	112	108	3.48	0.26	0.74	275	13	0.07	29	0.04	51	26	<2	48	<5	14	36
90432	<0.1	0.96	148	56	48	0.28	<0.1	92	102	1372	6.87	0.25	0.20	144	48	0.08	64	0.04	58	58	3	27	8	10	31
90433	<0.1	0.77	212	15	103	0.10	3.8	120	81	1186	8.60	0.45	0.05	100	43	0.19	100	0.04	122	116	13	39	<5	4	25
90434	<0.1	0.55	184	14	57	0.07	<0.1	63	103	609	5.09	0.33	0.03	53	23	0.14	64	0.03	96	64	<2	22	13	5	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 [illegible] ater I ioun Insuf Saapl s - No A S RESL urther es By te Met ggeste

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
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, Sn, Sr and W.

ANALYST: Raymond Lee

REPORT #: 900144 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: JULY 25 1990 | DATE OUT: AUG 08 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
90435	<0.1	0.69	336	22	217	0.45	8.7	69	110	276	3.58	1.16	0.21	212	54	0.56	302	0.08	301	285	48	18	<5	<3	54
90436	0.6	0.79	134	16	74	0.10	<0.1	75	79	1401	6.40	0.37	0.03	120	37	0.15	79	0.05	105	83	6	13	10	9	26
90437	0.1	1.33	147	21	96	0.13	4.8	105	98	1776	>10.00	0.39	0.06	286	186	0.15	126	0.04	109	121	14	19	<5	14	43
90438	1.8	1.53	217	14	116	0.53	3.3	148	109	8187	>10.00	0.44	0.07	357	153	0.16	255	0.06	114	145	14	67	6	19	69
90439	<0.1	1.08	104	24	60	0.50	2.7	59	82	2243	>10.00	0.28	0.04	281	88	0.09	106	0.04	72	72	5	119	9	10	41
90440	0.1	1.35	144	13	114	0.78	2.8	82	95	1677	>10.00	0.35	0.09	180	68	0.13	131	0.10	95	91	8	78	10	21	43
90441	<0.1	1.78	119	41	43	1.55	2.9	75	106	827	>10.00	0.43	0.09	400	95	0.15	119	0.10	99	103	6	302	<5	22	43
90442	0.1	1.09	113	48	99	1.06	<0.1	68	80	1351	8.22	0.43	0.05	286	80	0.19	92	0.06	100	106	12	285	12	7	27
90443	<0.1	0.70	76	25	57	0.45	0.8	57	104	636	5.03	0.34	0.03	140	38	0.16	80	0.04	84	72	5	332	11	8	18
90444	<0.1	0.74	93	18	71	0.50	0.3	56	141	415	5.82	0.35	0.03	156	32	0.17	76	0.05	99	79	7	346	15	6	20
90445	<0.1	0.89	46	23	20	0.87	1.6	40	83	515	3.31	0.17	0.02	196	22	0.06	37	0.11	47	17	<2	471	<5	13	28
90446	<0.1	0.69	16	28	12	2.78	1.3	25	51	340	2.43	0.29	0.02	303	22	0.07	27	0.08	34	8	<2	1070	7	11	17
90447	<0.1	0.75	66	45	58	2.14	2.2	31	87	439	1.49	0.47	0.03	219	38	0.21	32	0.05	98	74	4	753	<5	7	20
90448	<0.1	0.67	53	58	12	1.59	0.7	18	83	194	0.57	0.34	0.02	207	55	0.17	13	0.07	73	46	3	252	<5	4	12
90449	<0.1	0.57	<3	55	<3	0.98	3.4	20	63	153	0.33	0.11	0.04	148	35	0.02	44	0.05	74	<2	13	294	22	17	16
90450	<0.1	0.58	71	67	42	1.21	7.1	28	110	126	0.27	0.16	0.05	162	65	0.03	56	0.09	105	40	18	166	<5	22	14
90451	<0.1	0.57	56	72	26	1.05	2.7	28	72	78	0.24	0.16	0.05	136	113	0.03	47	0.07	110	45	18	143	<5	23	18
90452	<0.1	0.58	86	104	22	1.62	2.5	30	92	161	0.26	0.17	0.05	155	74	0.03	54	0.15	122	58	18	153	<5	25	56
90453	<0.1	0.53	155	232	70	1.55	9.1	42	64	484	0.45	0.21	0.06	145	67	0.04	78	0.15	149	125	23	173	<5	39	61
90454	<0.1	0.63	168	166	56	1.94	9.9	41	78	858	0.71	0.21	0.06	180	55	0.04	69	0.14	143	115	22	190	67	36	26
90455	<0.1	1.19	221	108	101	3.37	10.9	48	83	544	1.21	0.26	0.08	250	53	0.04	78	0.23	171	186	27	307	40	35	25
90456	<0.1	1.08	257	101	107	2.09	10.5	68	88	750	4.26	0.27	0.10	277	56	0.05	120	0.15	182	230	30	171	<5	42	34
90457	0.1	1.05	277	66	115	1.28	10.1	82	103	1178	7.59	0.25	0.10	286	54	0.04	145	0.08	176	213	29	174	14	36	54
90458	0.1	1.11	206	47	88	1.52	9.5	61	97	1168	6.06	0.22	0.09	250	50	0.04	123	0.07	156	168	28	105	>100	27	39
90459	<0.1	1.09	181	80	46	1.57	6.9	48	66	744	3.60	0.20	0.08	217	48	0.03	101	0.06	133	110	23	458	<5	27	37
90460	<0.1	0.77	98	43	43	1.73	7.4	35	54	420	1.84	0.18	0.06	158	52	0.03	66	0.07	119	80	21	91	<5	30	29
90461	<0.1	0.65	146	20	62	0.25	8.1	52	70	271	4.42	0.18	0.06	63	39	0.03	101	0.05	128	108	23	54	31	31	22
90462	<0.1	0.80	159	24	60	0.22	8.0	52	70	216	4.38	0.18	0.06	74	40	0.03	104	0.06	131	106	21	52	<5	25	25
90463	<0.1	0.98	68	15	<3	0.62	1.5	26	45	278	3.75	0.08	0.05	60	23	0.01	64	0.05	57	<2	11	53	<5	<3	18
90464	<0.1	0.72	28	27	<3	0.19	1.9	35	65	437	4.06	0.11	0.04	44	34	0.02	76	0.06	79	<2	14	76	27	12	20
90465	0.2	1.28	196	32	<3	0.24	0.4	35	68	772	3.90	0.11	0.09	91	32	0.02	74	0.07	79	<2	14	77	43	<3	24
90466	<0.1	0.97	465	36	48	0.21	4.0	51	117	380	3.40	0.16	0.07	66	36	0.03	94	0.05	115	68	19	53	<5	16	24
90467	0.1	1.02	488	38	51	0.22	6.5	53	127	390	3.68	0.16	0.07	69	40	0.03	93	0.06	113	72	20	55	<5	14	26
90468	0.1	0.73	128	25	11	0.10	1.1	46	72	174	4.19	0.11	0.04	33	24	0.02	87	0.03	85	<2	15	86	<5	5	15
90469	<0.1	0.84	294	29	22	0.15	5.3	57	55	527	4.38	0.16	0.05	44	40	0.03	104	0.05	118	84	20	60	18	23	21
90470	<0.1	0.69	115	18	25	0.12	6.4	47	85	122	2.83	0.13	0.04	37	26	0.02	83	0.04	90	21	15	325	<5	18	17
90471	<0.1	0.29	11	79	<3	0.11	3.4	25	95	189	0.94	0.12	0.04	48	25	0.02	47	0.03	82	<2	14	66	<5	19	14
90472	<0.1	0.14	22	210	<3	0.08	3.5	22	137	239	0.53	0.12	0.03	45	22	0.02	35	0.02	83	<2	14	24	<5	29	12
90473	<0.1	0.06	<3	202	<3	0.06	3.9	21	145	489	0.40	0.11	0.03	38	22	0.02	42	0.02	76	<2	14	16	12	27	11
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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

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ICAP GEOCHEMICAL ANALYSIS

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This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900144 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: JULY 25 1990 | DATE OUT: AUG 09 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
90474	<0.1	0.10	<3	100	<3	0.08	2.6	12	87	634	0.72	0.04	0.04	83	12	<0.01	46	0.01	40	<2	7	39	>100	9	14
90475	<0.1	0.07	<3	291	<3	0.06	3.7	21	96	336	0.76	0.09	0.04	85	22	0.02	35	0.02	67	<2	13	25	<5	28	15
90476	<0.1	0.07	16	262	<3	0.06	2.7	19	120	296	0.59	0.09	0.03	75	19	0.02	35	0.02	61	<2	11	17	<5	19	12
90477	<0.1	0.05	<3	193	<3	0.04	1.9	14	90	487	0.47	0.07	0.02	55	16	0.01	31	0.01	46	<2	8	14	34	21	9
90478	<0.1	0.10	288	114	131	0.14	10.1	50	233	376	0.50	0.28	0.07	63	49	0.05	85	0.04	191	241	30	15	<5	68	22
90479	<0.1	0.09	199	121	88	0.11	8.0	40	115	232	0.44	0.22	0.06	58	39	0.04	70	0.03	156	156	24	13	56	58	18
90480	<0.1	0.07	71	70	27	0.08	3.3	28	141	322	0.39	0.16	0.04	54	32	0.03	43	0.02	112	44	18	9	<5	41	15
90481	<0.1	0.09	269	39	134	0.14	9.4	49	214	167	0.46	0.28	0.07	53	53	0.05	80	0.04	186	238	31	12	6	67	21
90482	<0.1	0.15	287	331	145	0.15	11.2	51	121	545	0.56	0.28	0.07	71	53	0.05	83	0.04	194	252	31	35	<5	58	28
90483	<0.1	0.33	<3	11	<3	0.36	17.8	20	29	33	0.90	0.06	0.13	171	16	<0.01	61	0.03	48	<2	<2	37	<5	<3	24
90484	<0.1	0.29	<3	9	<3	0.32	14.4	17	19	32	0.72	0.06	0.11	147	16	<0.01	182	<0.01	35	<2	<2	25	<5	3	23
90485	<0.1	0.72	<3	13	<3	0.56	20.8	25	39	119	1.45	0.08	0.20	539	26	0.01	305	0.03	61	<2	<2	56	<5	7	99
90486	<0.1	0.15	<3	60	<3	0.11	2.4	2	111	158	0.37	0.37	0.01	67	13	0.01	38	<0.01	7	<2	2	9	<5	<3	10
90487	<0.1	0.11	<3	131	<3	0.08	<0.1	2	144	160	0.34	0.21	<0.01	54	13	<0.01	18	<0.01	7	<2	<2	10	<5	<3	7
90488	<0.1	0.06	<3	81	<3	0.01	0.5	<1	101	204	0.34	0.21	<0.01	51	16	0.01	11	<0.01	<2	<2	<2	5	<5	3	7
90489	<0.1	0.08	<3	45	<3	0.02	<0.1	2	180	390	0.37	0.25	<0.01	60	22	<0.01	13	<0.01	3	<2	<2	5	<5	<3	7
90490	<0.1	0.08	23	30	<3	0.02	<0.1	5	106	297	0.60	0.13	<0.01	63	87	<0.01	19	<0.01	12	<2	<2	4	<5	<3	7
90491	<0.1	0.08	18	25	<3	0.07	1.1	2	148	135	0.57	0.15	0.02	99	16	<0.01	12	<0.01	8	<2	3	4	<5	3	13
90492	<0.1	0.08	31	57	<3	0.20	1.0	2	94	238	0.48	0.24	0.02	99	16	<0.01	4	<0.01	8	<2	<2	8	<5	5	13
90493	<0.1	0.17	137	215	<3	0.31	<0.1	10	168	1133	1.34	0.17	0.05	159	35	<0.01	13	<0.01	12	<2	<2	26	<5	<3	33
90494	<0.1	0.27	20	257	<3	0.52	<0.1	7	146	243	1.29	0.22	0.08	205	14	0.01	42	0.02	15	<2	<2	34	<5	<3	29
90495	<0.1	0.21	37	323	<3	0.70	<0.1	6	110	297	1.24	0.18	0.06	235	28	<0.01	13	<0.01	5	<2	<2	36	<5	4	25
90496	<0.1	0.13	55	157	8	0.09	<0.1	8	168	428	1.66	0.22	0.07	128	28	0.01	19	<0.01	9	<2	<2	13	6	<3	28
90497	<0.1	0.11	106	194	<3	0.08	0.8	11	156	411	1.51	0.18	0.06	124	12	<0.01	30	0.02	14	<2	4	13	<5	3	25
90498	<0.1	0.12	52	83	9	0.06	<0.1	5	120	307	0.99	0.16	0.04	95	21	<0.01	16	0.02	4	<2	3	9	<5	5	19
90499	<0.1	0.08	51	34	5	0.03	<0.1	5	182	422	0.93	0.15	0.04	81	9	0.01	7	<0.01	3	<2	<2	5	<5	<3	16
90500	<0.1	0.08	92	49	<3	0.05	0.8	5	98	537	1.79	0.25	0.08	98	14	0.01	16	<0.01	11	<2	<2	10	12	<3	37
90501	<0.1	0.06	31	35	<3	0.04	<0.1	6	149	543	1.47	0.26	0.05	76	5	0.01	19	<0.01	<2	<2	<2	4	5	<3	21
90502	<0.1	0.04	62	44	<3	0.04	<0.1	9	106	942	1.34	0.19	0.04	77	8	0.01	23	<0.01	10	<2	<2	4	8	3	17
90503	<0.1	0.08	52	76	<3	0.04	<0.1	8	191	689	1.51	0.17	0.05	58	5	0.01	31	0.01	8	<2	<2	7	<5	<3	24
90504	0.2	0.14	123	171	<3	0.06	0.1	22	101	2470	2.59	0.19	0.08	120	16	0.01	50	0.01	11	10	<2	12	16	4	43
90505	0.2	0.05	161	54	<3	0.03	<0.1	35	136	4429	2.02	0.19	0.05	82	33	0.01	57	<0.01	14	<2	<2	13	<5	3	32
90506	0.7	0.07	304	72	11	0.06	<0.1	52	186	5932	4.00	0.17	0.09	210	47	0.02	93	0.01	19	19	<2	7	<5	<3	36
90507	0.2	0.07	95	88	4	0.05	<0.1	33	96	3853	2.62	0.15	0.05	138	24	0.01	54	<0.01	11	<2	<2	12	<5	<3	21
90508	<0.1	0.13	8	105	<3	0.04	<0.1	25	129	2484	2.43	0.17	0.05	110	11	0.01	44	<0.01	9	<2	<2	7	<5	<3	27
90509	0.3	0.20	4	147	<3	0.09	0.1	33	114	3710	3.77	0.18	0.06	235	13	0.02	76	<0.01	11	<2	3	14	<5	4	31
90510	0.1	0.24	32	90	<3	0.14	<0.1	29	166	2504	3.24	0.15	0.07	217	9	0.02	66	<0.01	11	<2	2	8	9	4	26
90511	0.8	0.08	46	37	<3	0.14	<0.1	66	104	5995	3.07	0.16	0.06	257	20	0.02	90	0.01	14	<2	<2	11	<5	<3	63
90512	1.9	0.15	106	35	10	0.30	<0.1	86	182	16565	5.37	0.15	0.09	287	58	0.03	178	0.02	29	24	<2	24	13	<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 nimum Great Maxim is - I ient S ns mple MALOUS S - Fu nalyse ternat ds Sug

VANGEOCHEM LAB LIMITED

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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, Sn, Sr and W.

ANALYST: Raymond Lee

REPORT #: 900144 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: JULY 25 1990 | DATE OUT: AUG 21 1990 | ATTENTION: MR. BILL OSBORNE | PAGE 7 OF 7

Sample Name	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
90513	3.3	<0.01	91	9	<3	0.05	<0.1	120	97	>20000	4.73	0.19	<0.01	135	51	0.03	123	0.02	20	8	3	2	<5	<3	39
90514	1.7	<0.01	88	30	<3	<0.01	<0.1	46	82	9740	2.50	0.26	<0.01	145	25	0.01	19	<0.01	12	8	<2	<1	<5	<3	4
90515	1.9	<0.01	89	38	<3	<0.01	<0.1	46	87	13052	3.20	0.20	<0.01	129	40	0.02	30	<0.01	5	<2	<2	<1	<5	<3	18
90516	2.9	<0.01	152	28	<3	<0.01	<0.1	43	120	8060	4.19	0.13	0.02	215	33	0.01	39	<0.01	<2	10	<2	<1	<5	<3	4
90517	3.1	<0.01	116	16	<3	<0.01	<0.1	68	144	>20000	5.49	0.23	<0.01	171	19	0.03	84	0.02	<2	18	<2	<1	<5	<3	3
90518	6.4	<0.01	55	13	<3	<0.01	<0.1	112	107	>20000	8.46	0.16	<0.01	51	24	0.04	304	0.02	<2	19	<2	<1	10	<3	<1
90519	2.8	<0.01	74	6	<3	<0.01	<0.1	64	144	18274	9.65	0.08	<0.01	151	323	0.03	86	0.01	<2	25	<2	<1	<5	<3	<1
90520	3.5	<0.01	85	15	<3	<0.01	<0.1	91	121	19445	7.17	0.15	<0.01	149	44	0.03	106	0.01	<2	4	<2	<1	<5	<3	4
90521	2.0	<0.01	158	28	<3	<0.01	<0.1	50	167	14479	4.27	0.13	<0.01	142	23	0.02	39	<0.01	<2	4	<2	<1	<5	<3	<1
90522	0.9	0.06	109	118	<3	0.08	5.0	55	162	4811	3.04	0.26	0.06	237	22	0.01	90	0.02	18	11	5	10	9	<3	37
90523	0.2	0.04	148	86	<3	0.05	5.5	24	239	2697	2.45	0.46	0.05	193	13	<0.01	49	<0.01	29	38	4	6	<5	<3	21
90524	<0.1	0.05	256	103	<3	0.09	5.2	32	186	2795	3.55	0.62	0.09	262	35	<0.01	68	0.02	43	70	4	9	<5	<3	23
90525	0.1	0.06	151	72	<3	0.07	5.1	24	247	2313	2.97	0.83	0.07	196	24	<0.01	57	0.02	35	47	3	7	8	<3	25
90526	0.2	0.06	167	106	<3	0.08	6.2	27	200	2930	3.86	1.03	0.10	425	33	0.01	69	0.02	67	85	4	8	11	<3	34
90527	1.6	0.05	187	91	<3	0.10	8.1	93	236	8737	5.36	0.88	0.08	279	42	0.02	159	0.03	65	65	7	9	9	<3	27
90528	3.5	0.08	129	26	<3	0.06	8.0	99	174	>20000	5.27	0.44	0.06	214	24	0.03	267	0.04	24	48	10	7	8	<3	23
90529	2.2	0.15	138	13	<3	0.09	12.0	55	253	5497	>10.00	<0.01	0.12	497	54	0.05	269	0.02	53	88	13	3	9	<3	41
90530	27.0	0.05	218	20	<3	0.06	14.4	298	139	>20000	>10.00	<0.01	0.08	280	83	0.08	792	0.04	<2	96	18	4	8	<3	50
90531	2.8	0.12	156	37	<3	0.15	11.1	35	174	9495	>10.00	<0.01	0.14	628	105	0.04	384	0.02	17	56	12	6	13	<3	37
90532	0.7	0.37	58	44	<3	0.09	12.4	33	181	1453	>10.00	<0.01	0.15	516	30	0.04	166	0.03	32	79	9	5	6	<3	36
90533	0.3	0.63	74	41	<3	0.12	14.6	45	234	918	>10.00	<0.01	0.21	404	22	0.05	206	0.03	47	115	13	5	8	<3	47
90534	0.3	0.61	95	158	<3	0.38	18.3	52	205	530	>10.00	<0.01	0.26	787	62	0.07	256	0.21	58	171	13	10	7	<3	53
90535	0.5	0.35	82	85	<3	0.10	19.7	58	148	667	>10.00	<0.01	0.17	524	26	0.07	246	0.06	49	165	16	4	7	<3	45
90536	0.6	0.30	66	9	<3	0.17	20.7	51	203	934	>10.00	<0.01	0.19	630	66	0.09	301	0.10	42	177	20	2	9	<3	41
90537	1.9	0.18	113	25	<3	0.12	16.6	1203	186	3656	>10.00	<0.01	0.16	614	38	0.06	244	0.02	163	170	14	5	7	<3	73
90538	0.5	0.26	27	66	<3	0.20	10.8	83	125	2134	>10.00	<0.01	0.19	590	77	0.05	123	0.07	19	59	12	4	10	<3	39
90539	2.9	0.10	114	43	<3	0.27	15.4	115	157	1215	>10.00	<0.01	0.31	1410	58	0.06	168	0.03	45	147	13	7	9	<3	100
90540	0.7	0.30	24	55	<3	0.35	10.4	55	109	1224	9.37	<0.01	0.23	648	24	0.03	109	0.03	6	29	9	7	<5	<3	42
90541	0.5	<0.01	28	97	<3	0.08	<0.1	36	177	1508	2.30	0.17	<0.01	253	<1	<0.01	<1	<0.01	<2	<2	<2	<1	<5	<3	<1
90542	0.1	<0.01	5	150	<3	0.22	<0.1	16	83	381	1.64	0.04	0.04	224	<1	<0.01	<1	<0.01	<2	<2	<2	10	<5	<3	<1
90543	2.3	0.41	<3	40	<3	0.33	<0.1	<1	25	6857	2.14	2.06	<0.01	39	<1	0.11	<1	0.06	<2	<2	<2	27	23	11	118
90544	2.2	0.41	18	21	<3	0.44	<0.1	5	8	5255	2.18	1.92	<0.01	35	<1	0.10	<1	0.05	<2	<2	<2	34	<5	16	46
90545	0.9	0.52	86	19	<3	0.29	<0.1	22	31	2870	2.12	1.30	<0.01	<1	<1	0.07	<1	0.04	<2	<2	<2	24	13	14	10
90546	1.5	0.66	<3	71	<3	0.79	<0.1	<1	20	4490	4.95	3.50	<0.01	108	<1	0.19	<1	0.03	<2	<2	<2	31	<5	24	5
90547	0.1	0.40	<3	109	<3	0.80	<0.1	<1	67	480	4.06	2.27	0.13	124	<1	0.12	<1	<0.01	<2	<2	<2	19	<5	18	<1
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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
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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, Sn, Sr and W.

ANALYST: [signature]

REPORT #: 900209 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: AUG 03 1990 | DATE OUT: AUG 31 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
90000A	<0.1	0.33	9	14	<3	0.14	4.4	21	35	175	5.34	0.10	0.12	153	10	<0.01	32	0.05	47	7	11	36	<5	<3	38
90000B	<0.1	0.61	<3	50	<3	0.78	3.3	20	59	214	3.82	0.16	0.13	411	13	<0.01	30	0.15	44	4	9	99	<5	<3	40
90000C	<0.1	0.67	6	270	<3	1.00	2.6	23	39	92	2.02	0.16	0.14	365	13	<0.01	16	0.08	35	<2	7	96	<5	<3	22
90096A	<0.1	0.61	16	409	<3	0.79	2.8	13	84	100	2.14	0.14	0.42	200	7	<0.01	18	0.03	27	3	9	53	<5	<3	35
90096B	<0.1	0.60	18	255	<3	0.77	2.5	13	44	141	2.58	0.13	0.38	279	6	<0.01	18	0.04	22	<2	10	49	9	<3	51
90096C	<0.1	0.43	43	>1000	<3	1.71	3.0	14	60	50	2.66	0.18	0.65	348	9	<0.01	36	0.03	30	<2	7	99	5	<3	58
90548	<0.1	0.45	<3	225	<3	0.93	2.5	18	41	249	3.27	0.15	0.07	216	29	<0.01	25	0.08	23	<2	7	118	<5	<3	13
90549	0.7	0.55	9	13	<3	0.75	4.7	91	68	2801	5.60	0.16	0.10	218	48	<0.01	73	0.19	55	8	11	102	<5	<3	64
90550	<0.1	0.91	<3	15	<3	0.42	4.3	46	31	475	8.62	0.17	0.05	155	13	<0.01	82	0.21	45	23	15	120	<5	<3	12
90551	<0.1	1.05	232	13	<3	0.18	5.7	50	71	380	>10.00	0.12	0.03	117	10	<0.01	103	0.10	55	21	19	126	<5	<3	37
90552	<0.1	0.91	<3	13	<3	0.16	4.1	66	35	446	8.83	0.10	0.03	106	9	<0.01	105	0.10	35	3	14	105	<5	<3	12
90553	<0.1	1.03	1282	20	<3	2.47	7.8	61	78	1462	7.38	0.24	0.07	141	23	<0.01	84	0.13	40	20	12	98	<5	<3	35
90554	<0.1	2.19	258	15	<3	1.09	7.1	53	70	1689	>10.00	0.25	0.18	472	25	<0.01	95	0.15	53	33	23	51	8	<3	57
90555	<0.1	0.83	39	25	<3	0.19	2.9	28	39	213	3.56	0.08	0.04	36	6	<0.01	29	0.07	32	<2	7	41	<5	<3	8
90556	<0.1	1.68	40	38	<3	0.26	2.1	56	24	769	5.30	0.09	0.06	127	16	<0.01	43	0.07	36	<2	14	72	<5	<3	23
90557	<0.1	1.76	<3	37	<3	1.68	1.5	13	63	46	3.03	0.16	0.67	116	7	<0.01	15	0.07	13	<2	13	200	5	<3	10
90558	<0.1	2.51	<3	35	<3	0.75	3.0	20	26	262	3.82	0.13	1.21	222	17	<0.01	25	0.06	26	<2	13	103	<5	<3	17
90559	<0.1	2.40	<3	47	<3	0.62	2.6	16	58	171	3.69	0.11	1.35	278	10	<0.01	27	0.10	21	<2	13	32	<5	<3	29
90560	<0.1	2.61	<3	86	<3	1.01	2.1	19	38	271	2.14	0.14	1.75	412	17	<0.01	36	0.05	57	<2	13	41	<5	<3	79
90561	<0.1	2.38	<3	57	<3	0.99	1.7	20	64	94	2.33	0.15	1.44	335	14	<0.01	26	0.05	24	<2	14	31	<5	<3	46
90562	0.1	0.92	105	26	<3	0.30	2.1	26	28	891	3.33	0.07	0.05	74	20	<0.01	45	0.08	21	<2	8	66	<5	<3	22
90563	<0.1	1.40	<3	80	<3	1.26	3.1	37	33	927	6.32	0.18	0.07	350	14	<0.01	58	0.09	29	<2	11	164	<5	<3	23
90564	<0.1	1.51	<3	100	<3	1.40	2.7	35	43	543	4.91	0.18	0.07	315	11	<0.01	47	0.09	31	<2	10	199	<5	<3	24
90565	<0.1	1.20	<3	24	<3	0.93	2.9	47	67	780	5.58	0.17	0.04	261	17	<0.01	65	0.11	42	<2	15	202	<5	<3	16
90566	0.1	0.79	186	26	<3	0.26	3.4	46	29	744	5.39	0.08	0.09	238	36	<0.01	66	0.07	34	<2	13	85	<5	<3	17
90567	0.2	0.11	59	84	<3	0.03	0.6	7	156	262	0.71	0.02	0.02	47	7	<0.01	11	0.02	26	<2	3	16	<5	<3	16
90568	<0.1	0.10	36	32	29	0.01	0.4	6	88	235	0.64	<0.01	0.02	64	5	<0.01	6	<0.01	21	<2	2	8	<5	<3	8
90569	<0.1	0.08	27	118	<3	<0.01	<0.1	3	160	113	0.24	0.01	0.01	31	9	0.01	4	<0.01	20	<2	2	8	<5	<3	3
90570	<0.1	0.05	37	94	<3	<0.01	<0.1	6	81	228	0.38	0.03	0.01	36	16	0.01	8	<0.01	29	<2	3	6	<5	<3	4
90571	<0.1	0.05	16	42	12	<0.01	<0.1	<1	156	102	0.15	<0.01	<0.01	23	2	<0.01	4	<0.01	18	<2	4	3	<5	<3	4
90572	<0.1	0.08	89	176	<3	<0.01	<0.1	3	75	278	0.26	<0.01	0.01	26	46	<0.01	2	<0.01	12	<2	2	8	<5	<3	3
90573	<0.1	0.10	75	291	<3	<0.01	<0.1	9	142	336	0.49	<0.01	0.02	40	37	<0.01	9	<0.01	15	<2	<2	18	<5	<3	10
90574	0.1	0.07	106	34	<3	<0.01	0.2	44	79	870	1.02	0.01	0.02	40	145	<0.01	17	<0.01	22	<2	<2	24	<5	<3	8
90575	0.1	0.10	78	130	<3	<0.01	0.7	13	166	790	0.65	0.03	0.02	38	176	<0.01	14	<0.01	25	7	4	26	<5	<3	11
90576	0.1	0.07	45	68	<3	0.01	<0.1	33	82	391	0.91	0.09	0.03	43	69	0.24	16	<0.01	71	11	4	5	<5	<3	11
90577	<0.1	0.08	37	78	<3	0.02	0.3	21	182	547	1.05	0.05	0.04	61	30	<0.01	15	<0.01	32	<2	5	5	<5	<3	13
90578	0.5	0.13	29	29	<3	0.07	3.1	56	86	4176	6.17	0.09	0.10	555	102	<0.01	68	<0.01	48	22	10	5	<5	<3	29
90579	3.3	0.18	119	16	<3	0.06	5.2	78	156	7976	4.16	0.07	0.09	138	111	<0.01	89	<0.01	220	127	11	20	6	<3	102
90580	3.0	0.20	10	46	<3	0.06	5.1	124	91	9848	7.68	0.07	0.07	333	199	<0.01	104	<0.01	54	38	15	6	<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

Lower T[illegible]ions | Greate[illegible] | Maxim[illegible] | s - Ir[illegible]ent S[illegible]ns | [illegible]mple | [illegible]NOUS [illegible] - Fur[illegible] alyses | [illegible]ernate [illegible]s Suggested

VANGEOCHEM LAB LIMITED

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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, Sn, Sr and W.

ANALYST: Reynold

REPORT #: 900209 PA ALPINE EXPLORATION CORP. PROJECT: NONE GIVEN DATE IN: AUG 03 1990 DATE OUT: AUG 31 1990 ATTENTION: MR. BILL OSBORNE

Sample Name	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
90581	2.1	0.17	504	9	<3	0.05	5.2	128	149	5295	5.18	0.06	0.05	127	28	<0.01	106	<0.01	81	13	13	11	<5	<3	78
90582	2.0	0.21	36	21	<3	0.05	4.8	67	82	6636	5.98	0.07	0.05	239	141	<0.01	98	<0.01	49	6	13	17	<5	<3	78
90583	1.7	0.25	<3	51	<3	0.04	5.6	92	152	5409	8.74	0.09	0.04	223	50	<0.01	125	<0.01	52	15	15	5	<5	<3	28
90584	2.6	0.31	<3	33	<3	0.04	6.1	156	96	7229	>10.00	0.11	0.05	214	84	<0.01	162	<0.01	53	27	18	6	<5	<3	32
90585	7.4	0.29	<3	27	<3	0.05	6.8	171	155	16820	>10.00	0.12	0.05	232	39	<0.01	244	<0.01	73	29	20	4	<5	<3	58
90586	9.7	0.24	<3	18	<3	0.04	8.0	171	101	>20000	>10.00	0.11	0.05	297	25	<0.01	322	<0.01	68	34	24	4	<5	<3	134
90587	3.9	0.30	<3	10	<3	0.04	6.1	264	160	9894	>10.00	0.12	0.07	371	349	<0.01	149	<0.01	56	33	23	14	<5	<3	43
90588	12.6	0.11	379	9	<3	0.03	11.3	581	74	>20000	>10.00	0.13	0.05	306	30	<0.01	496	<0.01	139	149	23	4	<5	<3	55
90589	1.6	0.07	314	7	<3	0.03	8.4	496	125	4903	>10.00	0.14	0.04	199	15	<0.01	329	<0.01	78	61	20	6	<5	<3	14
90590	19.6	0.09	446	9	<3	0.05	10.3	521	62	>20000	>10.00	0.12	0.05	265	36	<0.01	383	<0.01	82	97	25	6	<5	<3	42
90591	2.1	0.10	427	5	<3	0.04	9.5	723	73	3823	>10.00	0.11	0.05	255	13	<0.01	448	<0.01	62	46	22	4	<5	<3	16
90592	0.6	0.28	<3	11	<3	0.07	5.6	317	82	2006	>10.00	0.11	0.04	415	18	<0.01	306	0.02	64	33	21	5	<5	<3	76
90593	4.5	0.14	<3	15	<3	0.05	9.7	259	138	8136	>10.00	0.16	0.06	460	82	<0.01	195	<0.01	77	57	28	4	<5	<3	49
90594	6.1	0.06	418	6	<3	0.05	9.6	998	93	11481	>10.00	0.13	0.06	395	20	<0.01	629	<0.01	81	62	21	3	<5	<3	61
90595	2.8	0.06	97	14	<3	0.10	8.3	159	109	4535	>10.00	0.13	0.15	854	35	<0.01	216	0.01	87	88	22	12	<5	<3	48
90596	4.6	0.12	<3	25	<3	0.08	5.8	189	80	10656	>10.00	0.10	0.06	402	170	<0.01	238	0.02	64	34	23	6	<5	<3	28
90597	2.8	0.08	<3	16	<3	0.06	5.9	108	143	11034	>10.00	0.11	0.06	327	123	<0.01	198	<0.01	68	39	21	6	<5	<3	25
90598	2.5	0.11	77	31	<3	0.08	5.2	97	86	10245	8.03	0.10	0.09	383	156	<0.01	164	0.01	55	27	14	5	<5	<3	57
90599	3.6	0.08	28	23	<3	0.09	6.5	85	146	13521	9.52	0.12	0.08	437	295	<0.01	179	0.02	67	48	16	4	<5	<3	51
90600	0.9	0.24	<3	51	<3	0.28	8.9	63	100	6120	>10.00	0.17	0.08	344	76	<0.01	185	0.15	73	55	26	17	<5	<3	47
90601	2.1	0.23	<3	55	<3	0.20	5.4	57	107	10129	>10.00	0.13	0.09	256	82	<0.01	190	0.07	62	32	17	7	<5	<3	30
90602	1.6	0.30	16	53	<3	0.22	5.4	45	79	5092	9.17	0.12	0.14	495	34	<0.01	139	0.09	62	37	14	17	<5	<3	43
90603	0.4	0.13	5	50	<3	0.32	3.8	26	124	1668	4.85	0.11	0.14	927	10	<0.01	61	0.13	48	13	12	7	<5	<3	29
90604	0.1	0.06	45	27	<3	0.13	2.3	11	86	138	2.36	0.06	0.08	268	338	<0.01	17	0.02	30	<2	9	4	<5	<3	18
90605	<0.1	0.06	38	712	43	0.16	2.3	8	145	141	2.38	0.06	0.08	252	12	<0.01	15	0.04	31	<2	8	41	<5	<3	16
90606	<0.1	0.15	10	69	<3	0.14	2.6	10	90	279	3.04	0.08	0.10	188	11	<0.01	17	0.02	38	<2	8	6	<5	<3	20
90607	2.3	0.53	<3	29	<3	0.88	3.8	25	153	12679	4.13	0.16	0.77	317	16	<0.01	70	0.06	51	12	13	12	<5	<3	38
90608	0.2	0.18	23	119	<3	0.52	1.9	15	83	628	1.56	0.10	0.21	168	15	<0.01	26	0.04	41	3	9	11	<5	<3	19
90609	0.3	0.15	22	86	<3	0.63	2.5	34	139	891	1.97	0.10	0.23	195	29	<0.01	43	0.01	34	<2	10	11	<5	<3	21
90610	0.1	0.53	20	379	<3	0.45	1.5	5	38	198	0.51	0.08	0.03	49	29	0.02	<1	0.02	35	<2	6	51	<5	<3	20
90611	<0.1	0.57	12	51	<3	0.01	1.6	18	78	356	2.31	0.06	0.02	38	9	<0.01	4	<0.01	39	<2	8	14	<5	<3	12
90612	0.4	0.94	42	72	<3	0.04	2.9	21	43	343	4.02	0.09	0.04	122	15	<0.01	13	<0.01	48	13	10	13	<5	<3	22
90613	0.4	1.07	27	39	<3	0.24	3.4	22	79	492	3.98	0.09	0.08	160	26	<0.01	10	0.03	54	3	13	36	<5	<3	41
90614	0.6	0.78	12	293	<3	1.15	2.7	17	51	521	2.99	0.14	0.32	227	10	<0.01	14	0.02	50	<2	12	60	<5	<3	30
90615	0.2	0.87	4	>1000	<3	2.43	2.5	13	96	53	1.77	0.18	0.66	260	5	<0.01	12	0.03	43	<2	9	363	<5	<3	29
90616	0.4	1.11	<3	44	<3	0.07	3.0	28	56	218	4.31	0.07	0.04	120	20	<0.01	31	0.05	51	7	11	51	<5	<3	38
90617	0.1	1.03	30	56	<3	0.20	2.4	28	97	139	2.69	0.10	0.03	66	13	<0.01	30	0.09	47	<2	8	141	<5	<3	11
90618	0.3	0.70	<3	328	<3	0.17	9.5	52	88	627	>10.00	0.22	0.10	390	20	<0.01	207	0.02	85	75	29	30	<5	<3	49
90619	0.1	0.48	<3	144	<3	0.14	7.2	41	133	820	>10.00	0.15	0.08	322	17	<0.01	152	<0.01	70	49	25	14	<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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
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, Sn, Sr and W.

ANALYST: Reynolds

REPORT #: 900209 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: AUG 03 1990 | DATE OUT: AUG 31 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
90620	<0.1	0.34	<3	93	<3	0.19	7.7	31	90	645	>10.00	0.18	0.07	342	23	<0.01	200	0.02	74	51	24	16	<5	<3	28
90621	<0.1	0.59	<3	81	<3	0.38	7.0	43	106	463	>10.00	0.19	0.05	414	16	<0.01	171	0.03	69	44	21	25	<5	<3	25
90622	0.1	1.08	<3	102	<3	0.95	4.9	44	51	305	9.88	0.21	0.04	497	17	<0.01	110	0.07	65	27	18	59	<5	<3	25
90623	0.1	1.31	14	144	<3	1.11	2.4	41	56	286	4.24	0.18	0.05	339	18	<0.01	42	0.20	51	2	15	126	<5	<3	24
90624	1.3	1.06	27	141	<3	1.30	1.8	34	37	1357	3.61	0.16	0.03	369	61	<0.01	69	0.14	35	<2	11	95	<5	<3	53
90625	0.4	1.43	32	49	<3	0.87	3.6	52	56	540	4.92	0.15	0.04	295	30	<0.01	122	0.12	41	<2	12	81	<5	<3	33
90626	0.2	1.28	115	20	<3	0.28	2.9	46	40	488	5.92	0.12	0.04	150	14	<0.01	111	0.05	45	2	13	39	<5	<3	24
90627	<0.1	1.09	<3	37	<3	0.62	3.3	24	63	210	4.41	0.15	0.10	112	12	<0.01	28	0.06	49	5	11	104	<5	<3	17
90628	<0.1	2.61	<3	66	<3	0.65	3.2	23	34	315	3.91	0.17	1.38	298	17	<0.01	28	0.07	46	3	17	51	<5	<3	31
90629	<0.1	2.85	<3	75	<3	1.05	4.1	24	56	374	3.71	0.19	1.49	302	13	<0.01	24	0.08	51	3	17	51	<5	<3	39
90630	<0.1	1.69	<3	35	<3	0.21	2.4	18	33	65	3.30	0.10	0.90	272	8	<0.01	20	0.07	35	<2	16	32	<5	<3	22
90631	<0.1	2.28	<3	70	<3	0.44	2.8	20	64	193	3.00	0.13	1.08	578	14	<0.01	20	0.07	37	<2	14	36	<5	<3	36
90632	<0.1	1.90	<3	65	<3	1.19	2.9	21	40	386	2.97	0.16	1.07	332	12	<0.01	23	0.07	37	<2	12	49	<5	<3	41
90633	0.1	2.20	<3	73	<3	1.29	4.0	21	79	314	4.07	0.19	1.26	400	16	<0.01	33	0.07	38	<2	14	45	<5	<3	47
90634	0.1	2.02	<3	57	<3	2.18	2.9	24	57	542	3.23	0.23	1.13	495	18	<0.01	35	0.08	52	4	14	94	<5	<3	41
90635	0.2	2.13	<3	42	<3	0.97	2.9	24	67	425	3.15	0.18	1.27	573	12	<0.01	24	0.07	51	<2	15	45	<5	<3	39
90636	0.1	3.09	<3	74	<3	1.28	2.6	25	52	341	3.62	0.18	1.74	826	15	<0.01	26	0.07	41	<2	25	70	<5	<3	67
90637	<0.1	2.87	<3	117	<3	2.41	3.3	20	85	429	2.72	0.21	1.49	383	13	<0.01	27	0.07	36	<2	16	82	<5	<3	68
90638	0.1	2.09	<3	46	<3	1.23	3.1	19	36	366	2.58	0.16	1.49	448	18	<0.01	21	0.07	41	<2	12	76	<5	<3	28
90639	0.1	2.31	<3	45	<3	1.23	3.2	24	59	379	2.91	0.17	1.56	413	12	<0.01	19	0.07	38	<2	15	83	<5	<3	29
90640	0.1	0.71	3	145	<3	1.02	1.7	11	54	369	1.72	0.17	0.07	156	12	0.06	7	0.06	44	3	8	133	<5	<3	11
90641	<0.1	1.20	<3	195	<3	0.46	1.6	16	70	176	3.53	0.15	0.04	168	27	<0.01	19	0.07	41	<2	13	83	<5	<3	24
90642	0.3	1.65	<3	42	<3	0.32	3.4	65	54	1006	5.77	0.12	0.05	218	30	<0.01	63	0.02	46	10	16	48	<5	<3	30
90643	0.1	1.81	18	30	<3	0.06	2.4	57	72	591	5.27	0.10	0.03	102	27	<0.01	47	0.03	42	5	13	19	<5	<3	17
90644	0.2	1.65	<3	51	<3	0.23	6.4	81	48	682	>10.00	0.17	0.04	360	66	<0.01	110	0.04	69	40	23	29	<5	<3	56
90645	0.2	1.54	<3	79	<3	0.73	6.5	43	67	291	>10.00	0.24	0.05	493	49	<0.01	85	0.06	72	51	23	50	<5	<3	38
90646	0.2	0.85	<3	59	<3	0.34	8.3	51	51	191	>10.00	0.24	0.07	461	27	<0.01	108	0.04	86	69	29	29	<5	<3	33
90647	0.1	0.89	<3	109	<3	0.62	7.0	33	66	362	>10.00	0.20	0.08	539	49	<0.01	75	0.08	70	41	24	52	<5	<3	41
90648	<0.1	0.79	<3	82	<3	0.30	8.5	56	38	355	>10.00	0.21	0.07	568	20	<0.01	97	0.04	82	60	26	31	<5	<3	59
90649	0.1	0.58	<3	222	<3	0.53	3.7	26	73	904	7.35	0.15	0.07	323	12	<0.01	34	0.07	60	26	14	38	<5	<3	53
90650	<0.1	0.42	26	201	<3	0.82	3.6	15	43	303	6.87	0.18	0.10	445	9	<0.01	24	0.12	57	28	13	53	<5	<3	31
90651	0.3	0.61	88	106	<3	0.67	2.9	22	81	1091	1.95	0.16	0.05	194	16	<0.01	<1	0.13	59	28	7	72	<5	<3	38
90652	<0.1	0.07	39	140	<3	<0.01	1.1	8	66	420	0.55	0.08	0.01	27	31	0.05	<1	<0.01	46	6	7	11	<5	<3	14
90653	<0.1	0.04	84	81	<3	<0.01	0.5	6	128	484	0.49	0.06	0.02	55	3	0.03	<1	<0.01	33	<2	5	6	<5	<3	10
90654	<0.1	0.03	56	148	31	<0.01	<0.1	8	69	386	0.48	0.06	0.01	50	17	0.02	<1	<0.01	46	2	2	7	<5	<3	14
90655	<0.1	0.14	68	519	<3	0.06	0.7	6	133	447	0.63	0.08	0.03	108	14	0.02	<1	0.04	38	6	4	34	<5	<3	20
90656	<0.1	0.16	90	347	<3	0.01	1.0	5	71	153	0.44	0.07	0.02	97	14	0.04	<1	0.01	38	5	4	28	<5	<3	14
90657	<0.1	0.14	58	163	<3	0.15	<0.1	6	133	95	0.28	0.09	0.02	57	4	0.07	<1	<0.01	54	7	5	19	<5	<3	9
90658	<0.1	0.08	47	124	<3	<0.01	0.7	4	80	115	0.28	0.06	0.02	33	6	0.06	<1	<0.01	34	<2	6	6	<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	10000	1000	10000	10.00	10.00	10.00	2000	1000	10.00	2000	10.00	2000	2000	1000	1000	100	1000	2000

VANGEOCHEM LAB LIMITED

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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, Sn, Sr and W.

ANALYST: Smith

REPORT #: 900209 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: AUG 03 1990 | DATE OUT: AUG 31 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
00659	<0.1	0.16	51	414	<3	0.04	<0.1	5	133	188	0.57	<0.01	0.02	94	9	<0.01	5	<0.01	26	<2	4	26	<5	<3	17
90660	<0.1	0.18	35	551	<3	0.04	0.3	3	70	116	0.41	0.02	0.01	86	15	<0.01	<1	<0.01	20	<2	3	40	<5	<3	12
90661	<0.1	0.12	44	245	<3	0.03	<0.1	5	130	142	0.54	0.02	0.01	91	22	<0.01	5	<0.01	26	2	3	20	<5	<3	14
90662	<0.1	0.08	72	90	7	0.03	<0.1	7	76	369	0.78	0.07	0.02	122	11	<0.01	9	<0.01	53	6	5	7	<5	<3	17
90663	0.1	0.05	73	123	<3	<0.01	<0.1	6	161	663	0.50	<0.01	<0.01	55	11	<0.01	7	<0.01	30	<2	5	7	<5	<3	11
90664	1.0	0.07	133	140	<3	0.03	<0.1	7	97	2213	0.80	0.13	0.01	65	75	<0.01	12	<0.01	39	94	5	13	<5	<3	54
90665	0.1	0.04	66	106	<3	<0.01	<0.1	6	144	668	0.57	<0.01	<0.01	53	13	<0.01	8	<0.01	48	49	3	5	<5	<3	37
90666	<0.1	0.05	48	106	<3	0.01	<0.1	4	77	439	0.45	<0.01	0.01	57	13	<0.01	1	<0.01	30	<2	<2	6	<5	<3	11
90667	0.2	0.05	59	132	<3	0.01	<0.1	6	94	741	0.52	0.02	0.01	55	37	<0.01	10	<0.01	29	<2	3	9	<5	<3	12
90668	0.1	0.08	124	86	<3	0.03	<0.1	13	174	965	0.70	0.04	0.02	73	34	<0.01	8	<0.01	35	4	5	8	<5	<3	12
90669	0.6	0.09	85	123	<3	0.05	<0.1	19	98	2250	1.35	0.03	0.03	129	48	<0.01	25	<0.01	20	<2	7	9	<5	<3	29
90670	2.3	0.08	185	88	<3	0.05	0.6	32	183	7074	2.36	<0.01	0.06	122	51	0.02	45	<0.01	145	62	7	8	<5	<3	57
90671	0.6	0.06	123	67	<3	0.06	<0.1	30	96	2418	2.50	0.02	0.04	230	27	0.01	33	0.01	31	4	5	5	<5	<3	33
90672	0.3	0.04	159	23	<3	0.04	0.7	16	190	2172	2.27	0.02	0.05	180	9	0.01	25	<0.01	28	2	6	3	<5	<3	20
90673	0.4	0.05	184	35	20	0.03	<0.1	14	103	2203	1.81	0.03	0.05	172	13	<0.01	22	<0.01	38	18	6	4	<5	<3	28
90674	0.8	0.04	135	24	33	0.02	<0.1	12	186	1789	1.09	0.01	0.03	95	8	<0.01	17	<0.01	41	34	6	3	<5	<3	28
90675	0.7	0.02	54	14	<3	0.01	<0.1	10	101	1275	0.62	<0.01	0.01	62	112	<0.01	7	<0.01	48	11	3	1	<5	<3	13
90676	1.7	0.03	263	35	<3	0.03	<0.1	15	182	1978	1.38	<0.01	0.04	130	8	<0.01	26	<0.01	67	106	3	3	<5	<3	27
90677	0.7	0.04	273	51	<3	0.03	<0.1	12	105	2234	1.63	<0.01	0.05	132	12	<0.01	27	<0.01	77	48	5	4	<5	<3	25
90678	0.9	0.03	287	14	<3	0.04	<0.1	21	193	3380	2.93	0.02	0.07	278	22	0.02	43	<0.01	46	42	7	3	<5	<3	24
90679	1.9	0.04	230	26	<3	0.09	0.2	24	93	3701	2.86	0.02	0.08	356	17	0.02	53	<0.01	91	131	8	3	<5	<3	34
90680	1.8	0.06	132	26	<3	0.07	0.6	42	210	4468	5.73	0.04	0.11	469	66	0.03	85	<0.01	48	47	12	3	<5	<3	34
90681	2.2	0.06	540	27	<3	0.09	<0.1	33	112	8255	4.11	0.05	0.11	345	19	0.02	76	<0.01	48	182	7	5	<5	<3	33
90682	1.7	0.04	209	8	<3	0.08	0.6	29	176	2289	3.60	0.02	0.09	442	53	0.02	50	<0.01	54	86	8	3	<5	<3	35
90683	1.3	0.04	360	17	<3	0.07	0.2	33	89	5334	5.31	0.07	0.13	618	35	0.03	69	<0.01	50	87	10	5	<5	<3	39
90684	1.2	0.06	284	20	<3	0.06	0.6	35	204	4742	4.46	0.04	0.10	531	22	0.02	69	<0.01	49	107	10	4	<5	<3	37
90685	0.8	0.07	157	24	<3	0.06	<0.1	18	99	2376	4.68	0.04	0.10	463	22	0.02	59	<0.01	36	44	10	4	<5	<3	28
90686	0.5	0.05	102	44	<3	0.08	<0.1	14	132	1910	3.64	0.03	0.08	372	11	0.02	42	0.01	41	33	6	5	<5	<3	25
90687	1.5	0.05	275	33	<3	0.09	4.3	15	97	8510	2.33	0.04	0.06	165	21	0.03	37	<0.01	167	219	6	4	<5	<3	94
90688	0.3	0.04	124	30	<3	0.05	0.2	19	164	1521	3.23	0.05	0.08	272	29	0.02	51	<0.01	37	45	8	4	<5	<3	34
90689	0.6	0.05	123	14	<3	0.06	0.2	11	101	774	3.13	0.05	0.09	226	11	0.01	40	<0.01	39	53	8	3	<5	<3	40
90690	0.2	0.04	147	21	<3	0.04	<0.1	9	141	1026	2.98	0.01	0.08	236	40	0.02	34	<0.01	35	30	9	4	<5	<3	30
90691	0.1	0.04	97	6	<3	0.06	<0.1	11	94	628	3.91	0.02	0.10	248	11	0.02	45	<0.01	30	30	8	3	<5	<3	26
90692	0.3	0.09	63	20	<3	0.10	<0.1	37	136	1753	4.62	0.06	0.08	316	16	0.02	69	0.03	49	51	9	4	<5	4	30
90693	<0.1	0.23	17	43	<3	0.16	1.2	31	93	1572	8.64	0.12	0.20	537	32	0.04	123	0.02	54	48	13	8	<5	<3	70
90694	<0.1	0.09	17	8	<3	0.10	0.8	35	140	2394	6.85	0.11	0.09	388	61	0.03	91	<0.01	51	29	12	4	<5	3	32
90695	0.4	0.10	82	23	<3	0.43	0.8	71	105	1761	7.40	0.13	0.13	524	21	0.03	97	0.11	40	26	15	8	<5	<3	24
90696	0.3	0.43	<3	17	<3	0.19	1.1	35	177	2630	>10.00	0.11	0.15	392	20	0.05	104	0.01	46	22	18	6	<5	18	41
90697	<0.1	0.25	<3	22	<3	0.33	1.1	20	158	346	>10.00	0.12	0.18	542	25	0.04	86	0.07	51	15	17	5	<5	16	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	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED
1630 Pandora Street, Vancouver, B.C. V5L 1L6
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, Sn, Sr and W.

ANALYST: _____

REPORT #: 900209 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: AUG 03 1990 | DATE OUT: AUG 31 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
90698	0.6	0.34	<3	62	<3	0.07	6.8	38	134	1704	>10.00	0.17	0.11	380	19	<0.01	212	<0.01	62	51	22	6	<5	<3	45
90699	0.4	0.44	<3	13	<3	0.07	5.8	27	143	541	>10.00	0.15	0.14	447	13	<0.01	98	<0.01	61	42	17	3	6	<3	31
90700	0.6	0.30	<3	45	<3	0.12	3.9	50	149	1108	>10.00	0.13	0.11	352	11	<0.01	177	<0.01	58	34	17	5	5	<3	31
90701	0.7	0.36	<3	35	<3	0.13	6.6	55	87	680	>10.00	0.16	0.11	224	13	<0.01	239	<0.01	60	51	23	5	<5	<3	41
90702	0.9	0.41	<3	25	<3	0.22	7.1	95	129	746	>10.00	0.19	0.09	329	13	<0.01	177	<0.01	62	50	23	6	<5	<3	33
90703	0.3	0.43	<3	30	<3	0.38	3.7	40	105	297	9.71	0.16	0.24	546	11	<0.01	131	0.06	57	31	15	7	8	<3	33
90704	0.7	0.51	<3	18	<3	0.22	7.4	46	138	533	>10.00	0.22	0.15	411	14	<0.01	198	0.02	77	65	24	6	<5	<3	46
90705	3.1	0.14	102	274	<3	0.15	3.4	31	92	604	7.66	0.13	0.30	702	10	<0.01	62	0.02	65	123	14	26	<5	<3	90
90706	<0.1	0.48	43	334	<3	0.15	0.7	11	75	125	2.99	0.08	0.17	337	3	<0.01	10	0.02	42	15	8	36	<5	<3	53
90707	0.2	0.51	11	85	<3	0.88	1.1	9	57	215	1.76	0.13	0.44	209	3	<0.01	<1	0.03	35	<2	7	33	<5	<3	26
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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
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, Sn, Sr and W.

ANALYST: Ryath

REPORT #: 900281 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: AUG 23 1990 | DATE OUT: SEPT 19 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
90708	0.1	0.60	97	53	<3	0.91	0.4	23	119	244	3.55	0.14	0.11	248	10	<0.01	35	0.06	23	<2	7	97	<5	<3	26
90709	<0.1	0.66	126	63	<3	0.29	0.5	28	154	253	2.67	0.04	0.05	170	9	<0.01	31	0.07	18	<2	6	84	<5	<3	30
90710	<0.1	0.81	160	63	<3	0.24	0.8	59	60	361	4.53	0.05	0.07	145	12	<0.01	63	0.06	23	<2	8	86	<5	<3	25
90711	<0.1	0.54	7	95	<3	0.46	0.4	13	76	269	1.61	0.05	0.06	177	16	<0.01	24	0.12	14	<2	4	57	<5	<3	18
90712	<0.1	0.95	47	72	<3	0.16	0.6	42	152	272	2.88	0.04	0.03	102	11	<0.01	57	0.07	23	<2	7	80	<5	<3	23
90713	<0.1	0.64	97	96	<3	0.64	1.3	30	162	485	3.58	0.12	0.09	247	15	<0.01	41	0.12	20	<2	6	92	<5	<3	23
90714	<0.1	1.02	<3	52	<3	0.21	0.8	38	83	278	4.98	0.06	0.05	118	13	<0.01	46	0.08	28	<2	8	130	<5	<3	25
90715	<0.1	0.87	<3	42	<3	0.19	1.4	38	55	135	5.68	0.07	0.06	77	9	<0.01	51	0.08	25	<2	9	72	<5	<3	22
90716	<0.1	1.04	<3	45	<3	1.05	0.7	30	103	142	4.57	0.17	0.11	43	9	<0.01	35	0.06	22	<2	9	244	<5	<3	8
90717	<0.1	1.47	<3	61	<3	0.79	1.4	26	117	225	4.72	0.14	0.31	99	16	<0.01	37	0.05	27	<2	10	157	<5	<3	17
90718	<0.1	1.46	<3	40	<3	2.20	1.0	31	43	173	4.81	0.31	0.50	88	20	<0.01	30	0.09	32	<2	10	291	<5	<3	13
90719	<0.1	2.03	<3	44	<3	2.55	1.2	33	51	338	5.73	0.34	0.67	159	17	<0.01	40	0.14	36	3	14	422	<5	<3	20
90720	<0.1	3.20	<3	43	<3	1.80	0.5	37	105	243	6.55	0.28	1.40	265	21	<0.01	56	0.10	47	14	20	287	<5	<3	36
90721	<0.1	3.34	<3	81	<3	2.14	2.2	27	65	345	5.43	0.31	1.83	335	25	<0.01	41	0.20	47	15	19	193	<5	<3	43
90722	<0.1	2.48	<3	57	<3	2.60	1.7	25	100	297	4.16	0.33	1.29	306	22	<0.01	32	0.12	36	8	14	178	<5	<3	34
90723	<0.1	2.79	<3	55	<3	0.86	1.1	31	130	604	5.01	0.18	1.60	393	29	<0.01	41	0.14	49	15	18	54	<5	<3	50
90724	<0.1	2.74	<3	71	<3	0.86	1.2	30	56	568	4.61	0.17	1.83	370	24	<0.01	41	0.12	62	12	16	56	<5	<3	46
90725	<0.1	1.60	<3	39	<3	1.38	1.5	36	121	1193	5.04	0.24	0.49	273	24	<0.01	34	0.11	35	3	11	105	<5	<3	37
90725A	<0.1	2.38	<3	37	<3	2.89	0.5	16	43	112	3.83	0.35	1.23	757	11	<0.01	31	0.15	36	8	14	72	<5	<3	139
90726	<0.1	1.06	<3	74	<3	1.42	0.4	16	76	519	2.33	0.19	0.06	216	27	<0.01	19	0.10	22	<2	6	80	<5	<3	25
90727	0.5	1.94	<3	27	<3	0.51	2.2	141	72	2351	7.12	0.14	0.05	100	71	<0.01	91	0.14	39	15	14	56	<5	<3	29
90728	<0.1	2.28	104	24	<3	0.55	2.2	143	109	1902	8.62	0.17	0.03	100	110	<0.01	126	0.20	49	24	17	81	6	<3	31
90729	<0.1	2.06	130	39	<3	0.45	<0.1	67	43	802	6.20	0.12	0.05	116	211	<0.01	81	0.21	36	11	13	98	<5	<3	30
90730	0.2	2.44	230	30	<3	0.56	2.6	163	44	1093	>10.00	0.20	0.08	172	27	<0.01	156	0.22	54	28	19	99	<5	<3	37
90731	<0.1	1.49	1350	87	<3	0.45	0.5	44	41	503	3.46	0.08	0.05	75	20	<0.01	41	0.19	26	<2	7	92	5	<3	22
90732	0.1	1.27	446	46	<3	0.27	1.8	52	125	390	7.80	0.12	0.12	226	27	<0.01	76	0.07	42	11	14	78	<5	<3	66
90733	<0.1	0.67	201	133	<3	0.53	0.1	22	59	746	2.74	0.09	0.08	219	23	<0.01	16	0.09	15	<2	4	96	<5	<3	21
90734	<0.1	0.77	66	237	<3	0.82	1.0	26	82	748	4.42	0.14	0.13	412	26	<0.01	28	0.09	19	<2	6	111	<5	<3	30
90735	0.4	1.08	23	23	<3	0.37	2.3	102	90	1810	7.49	0.13	0.07	126	21	<0.01	136	0.16	47	9	11	99	<5	<3	64
90736	0.2	1.76	<3	18	<3	0.46	3.2	117	121	1835	>10.00	0.18	0.06	153	26	<0.01	184	0.22	52	21	17	94	<5	<3	45
90737	<0.1	2.99	<3	39	<3	0.68	4.4	127	68	1586	>10.00	0.24	0.13	309	31	<0.01	134	0.26	72	31	23	151	<5	<3	95
90738	<0.1	1.10	<3	21	<3	0.40	3.2	78	41	825	9.34	0.15	0.23	186	23	<0.01	102	0.09	43	11	13	124	<5	<3	67
90739	0.2	0.88	80	30	<3	0.40	2.0	82	92	2644	6.33	0.11	0.21	167	60	<0.01	82	0.05	39	3	10	111	<5	<3	67
90740	<0.1	0.21	45	504	<3	0.03	0.4	5	244	260	0.88	<0.01	0.02	46	6	<0.01	5	<0.01	<2	<2	<2	33	<5	<3	8
90741	<0.1	0.13	132	505	<3	0.03	<0.1	5	116	851	0.82	<0.01	<0.01	91	25	<0.01	5	0.01	3	<2	<2	25	<5	<3	13
90742	<0.1	0.11	62	423	<3	0.04	0.5	5	149	188	0.86	<0.01	0.02	94	14	<0.01	5	<0.01	<2	<2	<2	20	<5	<3	11
90743	<0.1	0.14	200	331	<3	0.14	<0.1	4	159	2404	0.91	<0.01	0.02	107	63	<0.01	10	0.01	5	<2	<2	18	<5	<3	18
90744	<0.1	0.17	71	209	<3	0.42	<0.1	5	315	592	1.19	0.03	0.03	195	37	<0.01	4	0.03	5	<2	<2	21	<5	<3	17
90745	<0.1	0.33	80	494	<3	1.10	0.2	11	177	1000	1.05	0.11	0.02	294	42	<0.01	9	0.11	7	<2	<2	50	<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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

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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, Sn, Sr and W.

ANALYST: Raymond

REPORT #: 900281 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: AUG 23 1990 | DATE OUT: SEPT 20 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
90746	<0.1	0.24	12	784	<3	0.32	<0.1	10	273	606	0.49	<0.01	<0.01	118	27	<0.01	17	0.02	8	<2	2	49	<5	<3	11
90747	<0.1	0.18	25	935	<3	0.82	<0.1	2	123	237	0.52	0.08	0.02	215	89	<0.01	9	0.02	8	<2	2	54	<5	<3	13
90748	1.1	0.49	550	32	<3	2.15	1.7	24	252	11911	4.52	0.33	0.14	686	82	0.35	78	0.05	45	<2	7	80	<5	<3	97
90749	0.5	0.25	1087	50	<3	0.39	<0.1	10	132	4544	2.30	0.04	0.05	219	334	<0.01	38	0.08	14	<2	4	16	<5	<3	26
90750	<0.1	0.23	82	372	<3	0.09	0.2	3	284	923	0.99	<0.01	0.04	135	33	<0.01	15	<0.01	10	<2	<2	20	<5	<3	19
90751	<0.1	0.39	89	76	<3	0.15	1.1	70	95	1301	3.40	0.04	0.13	337	74	<0.01	44	0.02	23	15	6	48	<5	<3	69
90752	<0.1	0.48	140	793	<3	0.39	1.1	14	315	2149	2.50	0.05	0.19	424	79	<0.01	33	0.04	14	16	5	62	<5	<3	50
90753	<0.1	1.22	<3	226	<3	0.65	0.7	10	91	214	3.16	0.11	0.21	974	14	<0.01	40	0.09	47	<2	7	121	<5	<3	99
90754	<0.1	0.20	7	73	<3	0.10	0.2	8	272	606	1.93	<0.01	0.07	208	28	<0.01	29	0.01	29	<2	3	8	<5	<3	26
90755	<0.1	0.18	60	72	<3	0.07	0.2	5	269	670	1.25	<0.01	0.05	182	33	<0.01	16	0.02	8	<2	2	11	<5	<3	19
90756	<0.1	0.19	50	374	<3	0.09	0.3	5	103	536	1.15	<0.01	0.05	185	27	<0.01	16	0.01	7	<2	2	24	<5	<3	20
90757	<0.1	0.35	29	824	<3	0.21	0.9	6	245	288	1.06	<0.01	0.07	239	28	<0.01	16	0.03	16	<2	<2	60	<5	<3	29
90758	<0.1	0.46	19	478	<3	0.22	0.2	5	125	287	1.02	0.02	0.04	177	117	<0.01	26	0.05	20	<2	2	63	<5	<3	27
90759	<0.1	0.20	26	265	<3	0.33	0.5	15	252	753	2.13	0.03	0.13	339	175	<0.01	28	0.03	19	<2	3	30	<5	<3	41
90760	<0.1	0.55	58	211	<3	1.06	0.5	25	89	787	1.98	0.16	0.12	376	115	0.14	35	0.14	25	<2	4	65	<5	<3	51
90761	<0.1	0.55	19	61	<3	1.40	0.9	23	229	1579	3.11	0.19	0.49	662	493	<0.01	75	0.04	30	<2	6	56	<5	<3	67
90762	1.1	0.30	<3	71	<3	0.69	1.2	43	125	7683	4.19	0.13	0.15	346	>1000	<0.01	73	0.01	27	<2	5	40	<5	<3	45
90763	<0.1	0.30	<3	112	<3	1.01	0.2	23	252	207	2.37	0.14	0.34	460	207	<0.01	50	<0.01	16	<2	4	41	<5	<3	30
90764	<0.1	0.30	<3	273	<3	0.89	0.8	16	112	211	2.17	0.12	0.38	414	285	<0.01	52	0.02	11	<2	3	47	<5	<3	35
90765	<0.1	1.19	<3	67	<3	0.61	1.6	24	215	402	4.67	0.13	0.76	615	18	<0.01	140	0.01	31	<2	10	22	<5	<3	67
90766	1.0	0.30	<3	58	<3	0.46	4.7	70	155	6410	>10.00	0.35	0.36	1103	158	<0.01	167	0.03	68	32	24	10	<5	<3	83
90767	6.8	0.39	<3	56	<3	0.22	5.8	131	116	15066	>10.00	0.29	0.18	706	37	<0.01	260	0.02	67	31	21	16	<5	<3	121
90768	3.3	0.34	<3	9	<3	0.16	2.7	262	175	9675	>10.00	0.17	0.11	209	13	<0.01	348	0.03	51	13	13	9	<5	<3	60
90769	2.9	0.25	<3	56	<3	0.09	4.0	150	115	11462	>10.00	0.20	0.10	462	30	<0.01	265	0.02	52	20	16	7	<5	<3	63
90770	6.4	0.23	<3	20	<3	0.06	4.9	101	171	>20000	>10.00	0.22	0.08	532	174	<0.01	365	0.02	69	31	18	5	<5	<3	101
90771	1.5	0.24	<3	103	<3	0.13	3.3	97	125	8653	>10.00	0.16	0.13	676	117	<0.01	195	0.01	45	9	13	15	<5	<3	71
90772	0.3	0.28	<3	145	<3	0.08	4.4	160	196	3770	>10.00	0.20	0.10	773	37	<0.01	227	0.01	50	16	17	18	<5	<3	82
90773	0.6	0.38	<3	40	<3	0.11	2.2	168	114	5231	8.54	0.10	0.10	522	26	<0.01	177	0.01	37	2	11	26	<5	<3	75
90774	<0.1	0.47	<3	313	<3	0.41	0.9	27	217	646	6.91	0.11	0.19	406	9	<0.01	78	0.02	27	<2	8	27	<5	<3	53
90775	<0.1	1.90	<3	411	<3	1.73	0.6	34	115	106	5.65	0.32	1.60	365	14	<0.01	58	0.07	42	5	17	149	<5	<3	47
90776	<0.1	0.67	<3	42	<3	1.10	0.5	28	111	635	3.05	0.17	0.04	428	14	<0.01	41	0.05	21	<2	4	55	<5	<3	28
90777	1.2	0.70	5	26	<3	0.88	0.8	51	42	2828	3.49	0.16	0.03	502	19	<0.01	48	0.05	34	<2	4	74	<5	<3	65
90778	1.8	1.03	106	37	<3	1.38	3.3	73	76	2171	4.96	0.24	0.05	494	16	<0.01	62	0.06	112	<2	8	57	<5	<3	392
90779	0.7	0.98	89	13	<3	0.53	2.8	78	46	1231	6.28	0.14	0.04	352	15	<0.01	74	0.05	99	<2	9	44	<5	<3	325
90780	1.2	1.04	29	69	<3	1.87	2.9	66	62	1469	4.99	0.29	0.05	485	19	<0.01	67	0.18	82	<2	7	90	<5	<3	392
90781	0.1	0.67	48	40	<3	0.47	1.0	46	35	388	5.36	0.11	0.04	129	14	<0.01	56	0.06	27	<2	7	78	<5	<3	22
90782	<0.1	0.91	<3	43	<3	0.99	0.5	35	67	280	5.23	0.19	0.03	149	9	<0.01	53	0.06	26	<2	8	159	<5	<3	19
90783	<0.1	1.22	<3	37	<3	0.34	0.9	17	44	83	4.51	0.08	0.01	61	8	<0.01	55	0.06	28	<2	7	177	<5	<3	15
90784	<0.1	1.48	<3	17	<3	0.53	2.0	66	89	197	9.88	0.17	0.02	75	17	<0.01	96	0.04	42	8	14	180	<5	<3	18
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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
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, Sn, Sr and W.

ANALYST: _____

REPORT #: 900281 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: AUG 23 1990 | DATE OUT: SEPT 20 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
90785	<0.1	0.92	79	44	<3	0.52	0.9	24	37	45	4.92	0.13	0.01	120	24	<0.01	40	0.14	19	49	62	123	<5	<3	22
90786	<0.1	1.73	<3	46	<3	1.13	2.6	47	102	68	>10.00	0.30	0.03	194	15	<0.01	86	0.09	18	41	14	193	<5	<3	39
90787	<0.1	1.53	<3	41	<3	0.70	1.0	30	36	51	5.83	0.18	0.02	105	9	<0.01	48	0.09	<2	34	3	183	<5	<3	22
90788	<0.1	0.91	7	22	<3	0.12	2.5	45	104	73	6.55	0.10	<0.01	35	5	<0.01	72	0.05	<2	38	<2	95	<5	<3	20
90789	<0.1	0.89	235	45	<3	0.56	5.9	27	70	174	>10.00	0.23	0.05	183	12	<0.01	39	0.08	10	46	<2	98	<5	<3	26
90790	<0.1	0.82	1252	20	<3	0.19	11.5	32	139	188	>10.00	0.22	0.06	151	7	<0.01	43	0.06	13	50	3	72	<5	<3	29
90791	<0.1	0.74	137	22	<3	0.24	3.9	32	70	698	>10.00	0.20	0.05	89	12	<0.01	48	0.16	13	44	2	152	<5	<3	29
90792	1.1	1.04	<3	45	<3	0.28	3.8	66	159	4624	>10.00	0.25	0.08	304	40	<0.01	81	0.14	11	46	3	95	<5	<3	59
90793	0.4	0.76	168	48	<3	0.31	3.8	61	129	2314	>10.00	0.20	0.05	272	22	<0.01	104	0.09	6	48	2	97	<5	<3	41
90794	0.2	1.08	1054	28	<3	0.07	7.7	63	179	681	7.34	0.11	0.03	106	13	<0.01	57	0.03	5	51	<2	32	<5	<3	32
90795	<0.1	0.10	79	324	<3	<0.01	0.7	<1	139	409	0.72	<0.01	<0.01	65	32	<0.01	1	<0.01	7	57	<2	17	<5	<3	29
90796	<0.1	0.09	81	325	<3	<0.01	0.7	<1	309	316	0.58	<0.01	<0.01	53	26	<0.01	<1	<0.01	<2	38	<2	14	<5	<3	14
90797	0.6	0.14	88	>1000	<3	<0.01	<0.1	<1	138	731	0.58	<0.01	0.01	76	80	<0.01	<1	<0.01	<2	68	<2	63	<5	<3	28
90798	0.1	0.08	75	591	<3	<0.01	<0.1	<1	268	168	0.36	<0.01	<0.01	48	1	<0.01	<1	<0.01	<2	46	<2	26	<5	<3	11
90799	0.7	0.07	118	975	<3	<0.01	0.6	<1	156	745	0.48	<0.01	<0.01	65	11	<0.01	<1	<0.01	<2	109	<2	43	<5	<3	51
90800	<0.1	0.15	83	109	<3	<0.01	<0.1	<1	298	162	0.46	<0.01	<0.01	42	18	<0.01	<1	<0.01	<2	37	<2	7	<5	<3	5
90801	<0.1	0.18	67	40	<3	<0.01	<0.1	<1	141	345	0.47	<0.01	<0.01	47	54	<0.01	<1	<0.01	<2	39	<2	9	<5	<3	8
90802	<0.1	0.19	72	62	<3	0.01	0.3	1	305	282	0.55	<0.01	0.02	39	57	<0.01	<1	<0.01	107	47	<2	11	<5	<3	6
90803	<0.1	0.20	66	108	<3	0.03	<0.1	<1	131	282	1.15	0.02	0.04	219	30	<0.01	<1	<0.01	<2	33	<2	11	<5	<3	10
90804	<0.1	0.22	95	322	<3	<0.01	0.1	2	273	420	1.24	0.01	0.04	264	55	<0.01	<1	<0.01	<2	40	<2	18	<5	<3	14
90805	<0.1	0.24	70	485	<3	0.01	<0.1	<1	129	228	1.35	<0.01	0.05	286	91	<0.01	<1	<0.01	<2	33	<2	26	<5	<3	14
90806	<0.1	0.19	83	793	<3	<0.01	0.3	2	308	228	1.67	0.01	0.06	295	84	<0.01	<1	<0.01	5	48	<2	31	<5	<3	26
90807	0.1	0.19	87	230	<3	<0.01	<0.1	<1	160	350	2.08	0.02	0.06	341	18	<0.01	<1	<0.01	<2	40	<2	9	<5	<3	20
90808	0.1	0.13	73	140	<3	<0.01	<0.1	<1	270	311	1.66	<0.01	0.03	261	22	<0.01	<1	<0.01	<2	36	<2	5	<5	<3	14
90809	0.2	0.17	76	194	<3	<0.01	<0.1	4	135	509	2.47	0.02	0.06	334	25	<0.01	<1	<0.01	<2	63	<2	10	<5	<3	27
90810	0.1	0.44	11	334	<3	0.06	1.6	30	253	1314	7.35	0.09	0.12	473	12	<0.01	25	<0.01	3	36	4	13	<5	<3	46
90811	1.0	0.33	19	181	<3	0.08	2.4	50	165	6338	9.39	0.13	0.11	460	32	<0.01	63	<0.01	<2	38	6	8	<5	<3	67
90812	0.7	0.19	62	263	<3	0.07	1.9	21	275	3834	5.51	0.06	0.13	330	29	<0.01	23	<0.01	<2	34	<2	10	<5	<3	56
90813	0.5	0.14	51	235	<3	0.03	<0.1	22	147	3866	4.32	0.04	0.09	180	19	<0.01	13	<0.01	<2	32	<2	7	<5	<3	39
90814	0.2	0.16	52	229	<3	0.02	0.1	11	276	1371	3.65	0.03	0.08	178	5	<0.01	10	<0.01	<2	28	<2	7	<5	<3	25
90815	<0.1	0.16	56	71	<3	0.01	<0.1	13	142	1878	4.01	0.04	0.05	158	4	<0.01	10	<0.01	<2	32	<2	2	<5	<3	19
90816	0.2	0.32	54	103	<3	0.27	0.2	13	241	2108	4.93	0.08	0.11	371	<1	<0.01	6	<0.01	<2	29	3	50	<5	<3	25
90817	0.2	0.15	69	49	<3	0.14	<0.1	8	141	1591	3.85	0.03	0.07	253	4	<0.01	<1	<0.01	<2	29	<2	5	<5	<3	20
90818	0.3	0.06	90	59	<3	0.01	<0.1	13	321	2113	3.76	0.02	0.05	125	4	<0.01	<1	<0.01	<2	32	<2	<1	<5	<3	19
90819	0.1	0.06	106	47	<3	0.04	<0.1	8	172	1740	3.34	0.02	0.08	203	4	<0.01	<1	<0.01	<2	34	<2	<1	<5	<3	23
90820	<0.1	0.12	63	143	<3	0.07	<0.1	<1	383	462	2.63	0.02	0.08	139	4	<0.01	<1	<0.01	<2	30	<2	4	<5	<3	9
90821	<0.1	1.68	11	136	<3	1.39	<0.1	18	113	45	4.38	0.21	1.83	292	6	<0.01	<1	0.06	<2	18	11	58	<5	<3	31
90822	0.7	1.49	<3	174	<3	0.71	1.9	32	163	5870	>10.00	0.25	1.26	240	3	<0.01	53	0.04	<2	31	13	54	<5	<3	66
90823	<0.1	1.50	4	189	<3	1.18	<0.1	27	116	390	4.36	0.19	1.81	270	4	<0.01	<1	0.06	<2	20	12	65	<5	<3	31
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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED
1630 Pandora Street, Vancouver, B.C. V5L 1L6
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, Sn, Sr and W.

ANALYST: _____

REPORT #: 900281 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: AUG 23 1990 | DATE OUT: SEPT 20 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
90824	0.5	1.40	25	89	<3	1.16	1.2	45	113	2712	2.08	0.16	0.04	114	49	<0.01	55	0.09	<2	15	6	122	<5	<3	25
90825	<0.1	0.62	32	55	<3	0.23	0.6	48	68	232	4.00	0.07	0.02	104	12	<0.01	56	0.04	11	25	4	53	<5	<3	18
90826	<0.1	0.84	<3	44	<3	0.12	1.8	69	158	504	5.28	0.08	0.02	63	56	<0.01	76	0.03	5	25	7	67	<5	<3	17
90827	<0.1	0.59	76	61	<3	0.25	1.1	46	89	426	3.54	0.07	0.02	87	15	<0.01	54	0.04	8	22	5	58	<5	<3	18
90828	0.4	0.47	63	35	<3	0.36	0.8	81	153	640	4.44	0.09	0.03	153	10	<0.01	70	0.02	6	24	5	42	<5	<3	22
90829	<0.1	0.68	19	33	<3	0.13	0.2	68	84	301	4.88	0.07	0.02	93	16	<0.01	64	0.02	10	22	6	49	<5	<3	18
90830	<0.1	0.66	23	49	<3	0.19	1.3	56	48	445	3.93	0.07	0.01	56	15	<0.01	52	0.04	6	21	6	80	<5	<3	13
90831	<0.1	0.61	12	44	<3	0.14	<0.1	40	99	70	3.38	0.07	<0.01	46	6	<0.01	39	0.05	6	22	5	91	<5	<3	9
90832	<0.1	0.59	23	76	<3	0.39	1.5	75	117	276	5.18	0.12	0.02	206	11	<0.01	67	0.09	23	24	6	67	<5	<3	34
90833	<0.1	0.51	20	125	<3	0.27	0.7	63	48	552	3.28	0.08	0.02	223	25	<0.01	45	0.10	21	22	4	52	<5	<3	56
90834	0.1	0.53	65	149	<3	0.45	0.6	51	82	275	2.53	0.09	0.01	119	28	<0.01	40	0.09	15	20	4	50	<5	<3	36
90835	<0.1	0.37	68	209	<3	0.44	1.5	34	67	125	2.37	0.08	0.02	148	9	<0.01	31	0.08	9	21	4	46	<5	<3	27
90836	<0.1	0.44	81	59	<3	0.84	1.9	62	159	276	4.56	0.16	0.04	314	19	<0.01	53	0.09	22	21	6	80	<5	<3	34
90837	<0.1	0.35	90	89	<3	0.43	0.1	30	75	95	2.15	0.08	<0.01	148	15	<0.01	18	0.05	25	18	5	39	<5	<3	39
90838	<0.1	0.42	54	142	<3	0.21	0.8	28	150	99	2.28	0.06	<0.01	90	8	<0.01	27	0.10	13	19	3	49	<5	<3	38
90839	0.2	0.30	51	107	<3	0.17	1.3	64	86	419	4.62	0.06	0.02	270	13	<0.01	52	0.05	22	23	5	30	<5	<3	44
90840	<0.1	0.55	44	93	<3	0.27	0.8	53	128	274	3.90	0.08	0.02	260	13	<0.01	45	0.11	19	19	5	52	<5	<3	36
90841	<0.1	0.34	66	126	<3	0.37	1.1	37	76	304	2.79	0.07	0.02	211	8	<0.01	34	0.10	11	20	4	42	<5	<3	36
90842	0.4	0.42	68	217	<3	0.73	0.3	43	150	905	2.62	0.12	0.02	241	13	<0.01	36	0.12	9	17	4	54	<5	<3	33
90843	0.5	0.48	53	125	<3	0.27	0.1	52	65	1180	3.18	0.07	<0.01	173	28	<0.01	50	0.12	18	16	5	53	<5	<3	52
90844	0.7	0.50	<3	80	<3	1.28	8.4	48	188	1487	>10.00	0.54	0.13	671	20	<0.01	183	0.04	64	56	19	76	<5	<3	96
90845	0.4	0.52	26	99	<3	0.22	1.5	67	78	1125	5.72	0.09	0.03	259	20	<0.01	65	0.08	13	19	7	31	<5	<3	39
90846	1.0	0.41	10	166	<3	0.96	2.5	86	210	3827	8.90	0.22	0.08	606	43	<0.01	120	0.07	19	23	10	55	<5	<3	36
90847	0.8	0.36	<3	75	<3	1.45	4.0	17	131	2308	>10.00	0.35	0.08	677	20	<0.01	86	0.11	29	36	12	60	<5	<3	42
90848	4.0	0.53	129	60	<3	0.92	2.1	136	110	10188	5.37	0.18	0.04	278	83	<0.01	229	0.11	17	18	7	72	<5	<3	127
90849	1.0	0.63	86	32	<3	0.43	3.2	201	55	2965	8.11	0.18	0.05	158	48	<0.01	176	0.20	20	22	9	62	<5	<3	97
90850	1.3	0.74	69	77	<3	0.79	4.5	139	127	3708	>10.00	0.28	0.12	508	56	<0.01	173	0.06	25	30	14	67	<5	<3	77
90851	0.6	0.68	3	28	<3	0.15	1.5	116	49	2188	7.23	0.10	0.01	84	61	<0.01	120	0.05	19	19	9	61	<5	<3	53
90852	0.3	0.64	14	43	<3	0.13	1.9	125	87	1786	6.18	0.08	<0.01	164	16	<0.01	105	0.06	22	17	8	77	<5	<3	54
90853	1.0	0.77	37	151	<3	1.24	1.6	64	66	2917	5.84	0.21	0.26	437	19	<0.01	98	0.10	9	16	9	65	<5	<3	55
90854	3.3	0.29	237	163	<3	1.34	1.7	60	195	8120	3.81	0.18	0.05	288	50	<0.01	93	0.04	32	12	7	60	<5	<3	138
90855	1.7	0.50	86	179	<3	0.26	1.6	44	60	4592	3.29	0.06	0.03	119	36	<0.01	69	0.09	18	11	7	55	<5	<3	91
90856	1.0	0.52	<3	303	<3	0.41	3.1	26	205	3090	>10.00	0.19	0.14	577	68	<0.01	68	0.05	23	24	12	41	<5	<3	67
90857	0.8	1.04	<3	12	<3	0.14	3.5	350	68	5930	>10.00	0.20	<0.01	80	17	<0.01	338	0.05	27	25	15	31	<5	<3	93
90858	0.9	2.21	<3	41	<3	0.30	4.8	201	144	7167	>10.00	0.34	0.03	191	53	<0.01	255	0.06	26	28	22	62	<5	<3	98
90859	0.5	2.14	<3	74	<3	0.48	4.3	125	100	3764	>10.00	0.29	0.04	159	108	<0.01	185	0.10	13	16	19	152	<5	<3	75
90860	1.0	0.55	109	84	<3	0.93	1.0	71	149	3379	5.45	0.17	0.09	324	53	<0.01	56	0.14	23	12	9	59	<5	<3	155
90861	0.2	0.81	167	159	<3	0.43	1.6	22	56	568	2.69	0.09	0.06	223	17	<0.01	18	0.10	12	5	7	54	<5	<3	79
90862	0.1	0.83	63	96	<3	0.50	0.3	7	171	381	2.16	0.09	0.22	230	9	<0.01	10	0.03	<2	9	7	54	<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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
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, Sn, Sr and W.

ANALYST: _____

REPORT #: 900281 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: AUG 23 1990 | DATE OUT: SEPT 20 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
90863	0.1	0.28	61	20	<3	0.46	0.5	2	76	376	0.39	0.03	0.02	73	7	<0.01	14	0.04	9	7	3	32	<5	<3	17
90864	<0.1	1.25	19	46	<3	0.95	1.2	17	122	2835	1.27	0.13	0.21	122	26	<0.01	31	0.05	<2	<2	4	95	<5	<3	23
90865	<0.1	3.30	<3	64	<3	0.52	1.6	28	72	828	2.99	0.13	3.51	297	23	<0.01	44	0.11	<2	<2	13	22	<5	<3	40
90866	<0.1	2.07	<3	37	<3	1.71	2.1	14	72	157	1.72	0.19	1.80	563	10	<0.01	69	0.13	<2	<2	10	50	<5	<3	75
90867	<0.1	1.38	16	34	<3	1.91	2.0	8	144	56	1.17	0.20	1.06	442	6	<0.01	47	0.26	5	<2	7	49	<5	<3	63
90868	<0.1	0.59	48	17	<3	1.47	0.4	1	64	41	0.38	0.14	0.16	201	5	<0.01	8	0.08	3	4	3	50	<5	<3	42
90869	<0.1	3.45	<3	103	<3	1.14	1.8	29	137	857	2.62	0.23	3.25	645	22	<0.01	109	0.11	<2	<2	17	59	<5	<3	65
90870	<0.1	1.63	12	28	<3	1.26	1.8	11	60	737	1.40	0.14	1.24	482	13	<0.01	37	0.06	<2	<2	6	54	<5	<3	47
90871	<0.1	2.03	6	42	<3	0.75	1.8	23	111	3041	2.49	0.13	1.80	456	92	<0.01	68	0.09	<2	<2	10	46	<5	<3	47
90872	<0.1	2.11	<3	51	<3	1.03	1.4	25	58	2077	3.48	0.17	1.97	573	54	<0.01	49	0.11	<2	<2	11	56	<5	<3	39
90872A	<0.1	2.42	<3	45	<3	0.61	2.3	25	107	458	4.80	0.13	2.13	698	12	<0.01	41	0.11	<2	<2	12	54	<5	<3	44
90873	<0.1	0.75	29	169	<3	1.15	0.2	16	42	96	1.41	0.16	0.03	66	12	<0.01	16	0.20	<2	3	4	483	<5	<3	8
90874	<0.1	0.67	32	50	<3	0.67	1.7	37	137	221	3.04	0.14	0.02	160	8	<0.01	43	0.11	19	8	5	621	<5	<3	37
90875	<0.1	0.63	88	273	<3	0.99	1.3	17	82	247	1.13	0.14	0.01	139	12	<0.01	15	0.17	25	5	3	1368	<5	<3	47
90876	<0.1	0.57	110	687	<3	1.32	1.1	4	193	142	1.33	0.17	0.02	237	4	<0.01	11	0.20	12	3	3	1112	<5	<3	19
90877	<0.1	0.80	47	136	<3	0.64	1.4	27	59	577	1.64	0.10	0.01	200	14	<0.01	19	0.08	6	6	4	279	<5	<3	37
90878	<0.1	0.77	24	63	<3	0.27	1.0	36	108	397	3.05	0.07	0.01	100	13	<0.01	25	0.03	7	6	5	77	<5	<3	30
90879	<0.1	0.57	42	57	<3	0.30	1.2	28	67	203	2.52	0.07	0.01	101	15	<0.01	26	0.05	<2	8	4	45	<5	<3	14
90880	0.1	0.63	30	89	<3	0.42	1.5	40	65	449	3.66	0.11	0.02	141	41	<0.01	45	0.10	31	9	5	62	<5	<3	51
90881	0.2	0.46	20	62	<3	0.30	2.2	58	138	574	5.08	0.09	0.02	206	19	<0.01	58	0.04	17	13	7	39	<5	<3	37
90882	0.3	0.56	33	64	<3	0.29	2.3	56	64	329	5.38	0.12	0.04	184	7	<0.01	63	0.06	27	14	7	55	<5	<3	105
90883	0.2	0.51	92	82	<3	0.08	1.2	29	111	233	3.28	0.04	0.01	66	11	<0.01	32	0.04	22	10	5	39	<5	<3	48
90884	0.1	0.59	35	143	<3	0.17	2.5	29	70	260	3.00	0.06	0.02	97	11	<0.01	33	0.09	17	6	4	51	<5	<3	73
90885	0.2	0.39	37	96	<3	0.46	2.6	34	204	984	4.72	0.11	0.02	373	5	<0.01	48	0.02	10	12	6	31	<5	<3	27
90886	0.4	0.39	30	83	<3	0.52	2.3	107	106	814	5.36	0.12	0.03	444	32	<0.01	56	0.05	17	13	6	29	<5	<3	48
90887	0.1	0.51	54	58	<3	0.13	1.4	51	138	190	5.22	0.09	0.01	171	7	<0.01	58	0.05	9	13	6	26	<5	<3	20
90888	<0.1	0.40	63	218	<3	0.29	2.2	18	81	70	1.65	0.05	0.01	504	7	<0.01	17	0.08	7	8	3	46	<5	<3	19
90889	<0.1	0.46	58	152	<3	0.28	1.4	19	133	236	1.70	0.06	0.03	242	7	<0.01	16	0.16	23	9	3	83	<5	<3	57
90890	0.1	0.52	73	264	<3	0.42	1.2	14	45	499	1.80	0.07	0.03	358	12	<0.01	20	0.15	35	7	3	73	<5	<3	62
90891	<0.1	0.72	120	>1000	<3	0.84	1.3	1	72	69	0.45	0.11	0.04	157	3	<0.01	<1	0.21	3	2	3	147	<5	<3	25
90892	0.1	0.61	273	477	<3	1.99	2.4	27	13	493	1.84	0.22	0.08	419	7	<0.01	13	0.37	40	8	4	151	<5	<3	106
90893	<0.1	0.67	179	168	<3	0.25	1.5	29	122	196	2.33	0.07	0.03	108	5	<0.01	30	0.13	9	6	5	114	<5	<3	33
90894	<0.1	0.65	65	128	<3	0.24	1.1	3	125	62	0.32	0.03	0.01	27	3	<0.01	7	0.14	<2	<2	<2	78	<5	<3	18
90895	<0.1	0.51	55	578	<3	0.68	1.7	8	119	540	1.03	0.09	0.03	196	13	<0.01	14	0.08	<2	3	2	103	<5	<3	7
90896	0.2	0.71	10	94	<3	1.25	2.2	44	135	1783	5.74	0.21	0.09	526	17	<0.01	55	0.06	5	9	7	105	<5	<3	32
90897	<0.1	0.31	50	753	<3	0.63	0.3	7	108	222	0.99	0.07	0.03	153	8	<0.01	5	0.04	<2	5	3	82	<5	<3	5
90898	<0.1	0.30	50	408	<3	0.56	0.3	<1	228	270	1.04	0.05	0.03	121	5	<0.01	7	0.02	<2	8	<2	67	<5	<3	5
90899	<0.1	0.30	48	270	<3	0.73	2.0	7	121	488	2.32	0.08	0.04	151	13	<0.01	18	0.04	7	9	4	53	<5	<3	25
90900	<0.1	0.23	61	398	<3	0.21	1.5	2	267	371	0.85	<0.01	0.02	77	5	<0.01	7	0.02	<2	12	2	46	<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

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
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, Sn, Sr and W.

ANALYST: [signature]

REPORT #: 900281 PA   ALPINE EXPLORATION CORP.   PROJECT: NONE GIVEN   DATE IN: AUG 23 1990   DATE OUT: SEPT 20 1990   ATTENTION: MR. BILL OSBORNE

Sample Name	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
90901	<0.1	0.61	55	798	<3	0.31	0.8	9	122	278	2.75	0.09	0.28	423	13	<0.01	24	0.09	9	39	6	120	<5	<3	68
90902	<0.1	1.26	19	558	<3	0.73	1.0	16	146	118	3.83	0.18	0.74	403	8	<0.01	31	0.07	4	26	11	114	<5	<3	58
90903	<0.1	0.75	29	28	<3	0.25	2.2	116	145	787	8.89	0.17	0.11	342	20	<0.01	71	0.09	58	24	11	99	<5	<3	71
90904	<0.1	0.64	80	56	<3	0.28	2.6	111	62	426	7.94	0.15	0.07	260	29	<0.01	71	0.12	65	22	9	152	<5	<3	83
90905	<0.1	0.49	128	23	<3	0.26	2.7	112	155	405	7.52	0.14	0.06	243	36	<0.01	71	0.11	38	22	9	153	<5	<3	62
90906	<0.1	0.79	<3	19	<3	0.23	2.7	172	76	255	9.76	0.16	0.07	233	21	<0.01	103	0.10	38	23	11	133	<5	<3	40
90907	0.1	1.07	9	25	<3	0.15	2.1	113	153	849	8.72	0.14	0.11	320	17	<0.01	90	0.04	18	17	11	54	<5	<3	80
90908	0.3	1.45	<3	36	<3	0.64	1.4	105	76	1370	8.05	0.21	0.21	343	34	<0.01	89	0.13	21	15	12	108	<5	<3	93
90909	1.5	0.61	<3	116	<3	0.82	4.5	48	142	6144	>10.00	0.39	0.28	644	119	<0.01	158	0.17	42	43	16	72	<5	<3	104
90910	0.7	0.85	9	58	<3	0.24	2.5	96	59	3692	9.33	0.16	0.07	243	24	<0.01	205	0.09	17	19	10	55	<5	<3	62
90911	<0.1	1.17	<3	38	<3	0.21	2.4	59	98	483	9.88	0.16	0.07	165	15	<0.01	144	0.10	21	17	12	57	<5	<3	35
90912	<0.1	0.78	52	50	<3	0.11	1.1	39	48	263	6.25	0.10	0.03	80	12	<0.01	101	0.05	18	17	8	46	<5	<3	25
90913	0.3	0.91	<3	74	<3	0.37	3.9	49	141	1215	>10.00	0.29	0.11	529	44	<0.01	138	0.14	37	33	15	103	<5	<3	96
90914	0.3	0.52	150	38	<3	0.32	3.4	79	85	1685	>10.00	0.22	0.14	400	21	<0.01	154	0.11	36	44	11	63	<5	<3	71
90915	<0.1	0.31	16	675	<3	0.40	4.3	32	182	748	>10.00	0.27	0.24	598	28	<0.01	132	0.06	48	46	14	86	<5	<3	100
90916	0.5	0.47	211	680	<3	0.41	3.4	42	126	1156	>10.00	0.30	0.23	621	44	<0.01	150	0.09	42	73	15	106	<5	<3	93
90917	0.3	0.24	64	257	<3	0.22	2.3	31	213	1210	>10.00	0.15	0.14	686	47	<0.01	99	0.04	36	34	9	30	<5	<3	71
90918	<0.1	0.23	14	84	<3	0.26	3.2	21	111	898	>10.00	0.24	0.15	960	35	<0.01	125	0.03	43	36	13	20	<5	<3	78
90919	<0.1	0.57	124	465	<3	0.96	0.6	22	160	994	6.64	0.22	0.17	664	94	<0.01	59	0.09	24	24	8	264	<5	<3	71
90920	1.8	0.72	37	82	<3	1.64	<0.1	44	32	5068	5.69	0.26	0.10	636	75	<0.01	52	0.18	39	11	8	291	<5	<3	62
90921	2.1	0.77	<3	26	<3	2.48	2.0	63	84	1637	9.24	0.40	0.11	885	29	<0.01	78	0.43	15	16	11	147	<5	<3	32
90922	1.1	0.67	<3	117	<3	2.15	0.7	49	54	4104	8.16	0.36	0.10	1148	137	<0.01	86	0.27	17	14	9	156	<5	<3	41
90923	0.3	0.85	34	42	<3	1.83	0.6	70	77	6625	6.73	0.32	0.08	954	128	<0.01	97	0.24	23	8	9	233	<5	<3	70
90924	<0.1	1.81	<3	204	<3	2.39	2.7	36	99	286	>10.00	0.49	0.13	791	33	<0.01	195	0.50	20	18	18	239	<5	<3	41
90925	<0.1	1.78	<3	44	<3	2.34	0.6	45	100	348	9.42	0.43	0.14	1115	24	<0.01	77	0.20	13	8	14	216	<5	<3	28
90926	<0.1	1.65	10	257	<3	1.12	<0.1	14	51	1452	4.60	0.20	0.08	423	47	<0.01	52	0.15	<2	<2	8	212	<5	<3	26
90927	0.2	1.09	74	476	<3	1.70	<0.1	10	51	714	1.27	0.22	0.05	473	19	<0.01	19	0.35	<2	<2	5	217	<5	<3	13
90928	0.1	1.67	11	407	<3	1.20	0.7	12	84	534	4.89	0.21	0.08	559	475	<0.01	45	0.26	<2	<2	10	225	<5	<3	21
90929	<0.1	1.70	<3	388	<3	0.75	<0.1	14	53	309	7.32	0.20	0.13	305	41	<0.01	49	0.25	<2	<2	12	262	<5	<3	29
90930	<0.1	1.83	<3	112	<3	0.62	1.1	23	73	387	>10.00	0.28	0.03	272	34	<0.01	95	0.04	9	10	16	189	<5	<3	34
90931	<0.1	2.31	<3	85	<3	0.59	1.2	25	59	378	>10.00	0.26	0.03	559	36	<0.01	73	0.03	11	5	21	221	<5	<3	28
90932	0.3	1.78	<3	234	<3	0.86	0.3	60	73	1005	7.76	0.23	0.04	468	28	<0.01	65	0.13	<2	2	13	196	<5	<3	28
90933	1.8	0.66	15	20	<3	1.95	<0.1	121	37	3292	6.25	0.30	0.04	1248	103	<0.01	61	0.22	11	8	8	109	<5	<3	42
90934	0.3	0.50	37	55	<3	0.91	<0.1	11	66	665	2.83	0.15	<0.01	256	35	<0.01	12	0.14	5	3	5	67	<5	<3	10
90935	1.0	0.50	63	80	<3	1.35	0.3	23	39	756	3.05	0.19	0.02	644	14	<0.01	12	0.12	13	4	5	71	<5	<3	171
90936	0.5	0.64	51	174	<3	1.01	<0.1	7	40	652	3.08	0.18	0.09	921	6	<0.01	3	0.21	12	<2	6	59	<5	<3	60
90937	1.1	0.68	53	204	<3	0.67	<0.1	15	36	994	3.51	0.14	0.10	634	13	<0.01	10	0.20	13	<2	5	56	<5	<3	40
90938	2.2	0.58	54	96	<3	0.21	<0.1	18	77	7412	3.67	0.09	0.09	239	61	<0.01	17	0.03	6	<2	6	51	<5	<3	55
90939	2.0	0.47	58	99	<3	0.92	<0.1	15	36	2565	3.79	0.16	0.09	371	25	<0.01	10	0.11	14	3	7	63	<5	<3	30
90824A	0.1	0.25	70	31	<3	0.95	<0.1	2	130	312	0.39	0.08	<0.01	131	47	<0.01	1	0.18	3	<2	3	33	<5	<3	8
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]	1000	10.00	20000	10.00	[illegible]	2000	1000	[illegible]	100	1000	20000

[illegible] ANOMALOUS RESULTS - Further Analyses by Alternate Methods Suggested

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
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, Sn, Sr and W.

ANALYST:

REPORT #: 900218 PA ALPINE EXPLORATION CORP. PROJECT: NONE GIVEN DATE IN: AUG 13 1990 DATE OUT: SEPT 01 1990 ATTENTION: MR. BILL OSBORNE

Sample Name	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
90940	<0.1	0.69	<3	63	<3	0.87	2.4	23	56	995	3.49	0.15	0.05	183	15	<0.01	27	0.06	42	12	10	881	<5	<3	12
90941	<0.1	0.46	<3	268	<3	1.33	<0.1	8	38	277	0.92	0.17	0.02	320	8	0.02	8	0.13	28	<2	5	114	<5	<3	6
90942	<0.1	0.47	7	635	<3	1.23	1.1	6	68	161	0.52	0.17	0.02	199	5	0.05	5	0.10	28	<2	5	122	<5	<3	5
90943	<0.1	0.67	<3	64	<3	0.67	0.6	16	44	942	1.50	0.11	0.03	245	13	<0.01	11	0.08	25	<2	7	55	<5	<3	16
90944	<0.1	0.84	16	234	<3	0.42	<0.1	14	76	679	0.89	0.09	0.03	111	8	<0.01	4	0.06	25	<2	5	49	<5	<3	8
90945	<0.1	0.88	9	46	<3	0.24	<0.1	10	37	244	0.50	0.08	0.02	56	7	0.01	6	0.06	25	<2	4	39	<5	<3	15
90946	<0.1	0.29	13	28	<3	0.16	<0.1	11	169	433	0.88	0.08	0.01	77	8	<0.01	11	0.02	29	<2	5	18	<5	<3	8
90947	<0.1	0.45	<3	268	<3	0.93	1.0	16	54	1350	2.10	0.16	0.06	532	16	<0.01	23	0.06	35	3	8	44	<5	<3	14
90948	<0.1	0.56	<3	235	<3	0.62	0.5	13	75	638	1.55	0.11	0.03	351	10	<0.01	9	0.07	19	<2	8	54	<5	<3	8
90949	1.0	0.77	<3	139	<3	0.80	2.6	31	28	1601	5.75	0.16	0.12	579	21	<0.01	50	0.12	40	<2	11	56	<5	<3	38
90950	12.8	1.09	<3	85	<3	0.97	3.3	83	37	17430	6.71	0.18	0.11	497	78	<0.01	146	0.04	35	14	14	61	<5	<3	81
90951	1.6	0.91	<3	125	<3	1.27	4.0	49	40	4067	7.43	0.22	0.09	526	29	<0.01	96	0.04	49	15	13	99	<5	<3	61
90952	<0.1	0.49	<3	69	<3	1.90	1.0	23	83	1168	2.67	0.21	0.05	475	11	<0.01	37	0.06	32	<2	7	115	<5	<3	19
90953	0.3	0.52	4	88	<3	1.17	0.8	23	44	1995	2.13	0.16	0.04	332	72	<0.01	26	0.10	30	<2	9	119	<5	<3	13
90954	0.2	0.60	574	57	<3	0.24	0.1	44	68	1410	2.80	0.07	0.02	106	17	<0.01	42	0.05	32	<2	8	45	<5	<3	42
90955	0.4	0.64	3	63	<3	0.52	1.0	44	37	2567	3.98	0.11	0.05	565	99	<0.01	54	0.04	30	<2	10	35	<5	<3	20
90956	<0.1	0.48	65	34	<3	0.09	<0.1	27	67	722	1.43	0.08	0.02	68	15	<0.01	23	0.03	31	<2	7	20	<5	<3	37
90957	<0.1	0.27	53	163	<3	0.04	<0.1	11	56	486	0.69	0.06	0.02	38	17	0.01	4	0.02	34	<2	5	16	<5	<3	13
90958	<0.1	0.10	62	30	<3	0.02	<0.1	11	110	500	0.47	0.06	<0.01	28	10	0.02	1	0.01	36	<2	4	8	<5	<3	12
90959	<0.1	0.07	94	24	<3	0.08	<0.1	10	74	483	0.57	0.06	<0.01	36	9	<0.01	<1	0.05	27	6	4	16	<5	<3	12
90960	<0.1	0.12	107	34	<3	0.03	0.2	11	165	597	0.77	0.05	0.02	62	8	<0.01	12	<0.01	43	<2	3	18	<5	<3	89
90961	<0.1	0.07	82	24	<3	0.02	<0.1	9	77	499	0.49	0.06	<0.01	21	11	<0.01	<1	0.01	38	15	4	10	<5	<3	13
90962	1.0	0.06	186	53	<3	0.02	2.4	15	147	957	0.60	0.07	<0.01	31	9	<0.01	5	0.01	80	146	5	11	<5	<3	95
90963	0.2	0.05	121	569	<3	0.01	0.2	8	84	540	0.46	0.05	<0.01	24	12	<0.01	4	<0.01	42	64	6	29	<5	<3	31
90964	<0.1	0.19	134	534	<3	0.03	0.6	10	131	455	0.65	0.05	0.03	66	7	<0.01	3	<0.01	51	40	4	80	<5	<3	28
90965	<0.1	0.47	<3	138	<3	0.13	0.5	13	48	74	2.72	0.08	0.16	299	7	<0.01	17	0.03	36	<2	6	38	<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

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED

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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, Sn, Sr and W.

ANALYST: Cynthia

REPORT #: 900324 PA ALPINE EXPLORATION CORP. PROJECT: NONE GIVEN DATE IN: AUG 28 1990 DATE OUT: SEPT 28 1990 ATTENTION: MR. BILL OSBORNE

Sample Name	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
90966	0.3	1.32	<3	112	<3	0.43	2.5	30	83	343	6.26	0.15	0.17	155	39	0.02	50	0.15	72	4	4	73	<5	<3	135
90967	<0.1	0.78	<3	124	<3	0.38	2.0	35	87	149	5.62	0.13	0.11	119	25	0.01	27	0.12	25	5	2	101	<5	<3	39
90968	<0.1	0.68	44	97	<3	0.38	0.9	26	65	386	2.81	0.10	0.10	76	12	<0.01	31	0.14	14	3	2	143	<5	<3	18
90969	<0.1	0.79	46	85	<3	0.35	1.2	15	86	241	2.19	0.08	0.03	109	9	<0.01	19	0.10	23	<2	2	185	<5	<3	33
90970	<0.1	0.46	61	72	<3	0.47	0.9	15	46	77	1.78	0.09	0.01	61	7	<0.01	15	0.05	122	<2	<2	195	<5	<3	175
90971	<0.1	0.95	34	50	<3	0.45	1.2	35	50	616	3.32	0.11	0.05	152	6	<0.01	47	0.09	<2	<2	3	316	<5	<3	27
90972	0.2	1.27	<3	38	<3	0.35	2.4	58	62	851	6.97	0.15	0.05	316	10	<0.01	94	0.07	<2	6	4	260	<5	<3	33
90973	1.0	1.49	<3	85	<3	0.71	2.0	85	43	1054	7.61	0.22	0.14	517	31	0.01	145	0.19	<2	7	4	144	<5	<3	34
90974	<0.1	0.86	<3	81	<3	0.61	2.6	11	50	235	7.09	0.18	0.03	296	17	<0.01	43	0.10	<2	4	2	92	<5	<3	20
90975	<0.1	0.97	<3	74	<3	0.21	1.4	40	40	960	4.63	0.10	0.02	209	73	<0.01	48	0.05	<2	4	3	113	<5	<3	23
90976	<0.1	0.87	10	47	<3	0.25	1.7	40	59	455	4.01	0.09	0.02	151	15	<0.01	33	0.04	4	<2	3	102	<5	<3	25
90977	<0.1	1.12	8	52	<3	0.55	1.2	29	76	484	3.63	0.13	0.05	95	17	<0.01	18	0.05	<2	<2	2	275	<5	<3	19
90978	<0.1	0.64	<3	35	<3	0.15	1.6	26	68	223	4.56	0.08	0.09	91	11	<0.01	109	0.07	<2	2	3	625	<5	<3	14
90979	<0.1	1.19	<3	47	<3	0.20	1.0	26	99	165	3.96	0.09	0.41	80	10	<0.01	21	0.07	<2	<2	2	339	<5	<3	13
90980	<0.1	1.77	<3	64	<3	3.06	2.4	25	40	221	4.17	0.31	0.89	129	11	<0.01	20	0.08	<2	<2	4	392	<5	<3	19
90981	<0.1	1.43	<3	44	<3	3.02	1.7	19	69	507	3.25	0.29	0.78	222	15	<0.01	8	0.07	<2	<2	3	209	<5	<3	19
90982	<0.1	1.81	<3	40	<3	2.16	1.3	19	64	153	3.36	0.25	1.30	288	9	<0.01	7	0.08	<2	<2	4	214	<5	<3	20
90983	<0.1	1.86	3	47	<3	2.09	1.2	15	82	360	2.52	0.23	1.22	449	16	<0.01	11	0.05	<2	<2	4	90	<5	<3	49
90984	<0.1	1.68	19	100	<3	1.84	1.2	7	49	218	1.45	0.20	1.24	400	9	<0.01	19	0.06	<2	<2	2	47	<5	<3	42
90985	<0.1	1.69	10	56	<3	2.22	1.3	15	70	574	2.25	0.24	1.33	318	15	<0.01	10	0.05	<2	<2	<2	94	<5	<3	38
90986	<0.1	1.69	10	64	<3	1.46	1.9	13	72	330	2.32	0.19	1.39	370	16	<0.01	122	0.06	<2	<2	3	69	<5	<3	35
90987	<0.1	1.79	18	71	<3	0.88	1.4	16	98	778	1.92	0.14	1.55	318	28	<0.01	20	0.06	<2	<2	4	37	<5	<3	38
90988	<0.1	2.35	<3	99	<3	0.86	1.2	18	51	891	2.08	0.16	1.91	316	48	<0.01	20	0.05	<2	<2	6	41	<5	<3	44
90989	<0.1	0.89	56	60	<3	1.66	0.6	9	74	357	1.16	0.18	0.50	328	9	<0.01	<1	0.06	<2	<2	<2	48	<5	<3	20
90990	<0.1	0.75	63	70	<3	1.87	0.9	9	35	426	0.99	0.19	0.05	297	8	<0.01	54	0.06	<2	<2	<2	121	<5	<3	28
90991	<0.1	0.62	28	31	<3	0.69	1.8	31	100	198	4.12	0.15	<0.01	26	5	<0.01	28	0.06	<2	6	2	430	<5	<3	4
90992	<0.1	1.37	<3	50	<3	0.97	2.0	52	61	841	6.20	0.21	<0.01	263	15	<0.01	47	0.07	<2	2	3	148	<5	<3	20
90993	<0.1	0.76	416	41	<3	0.37	5.1	41	81	539	3.66	0.11	<0.01	99	7	<0.01	17	0.09	<2	6	3	136	<5	<3	36
90994	0.2	0.47	151	60	<3	0.66	2.2	25	80	1549	1.98	0.11	<0.01	130	13	<0.01	134	0.08	3	<2	<2	151	<5	<3	20
90995	0.2	0.16	93	92	<3	0.14	1.5	9	168	2077	1.26	0.02	<0.01	38	44	<0.01	<1	0.02	11	8	<2	41	<5	<3	24
90996	0.1	0.31	90	189	<3	0.12	2.4	10	143	640	1.72	0.03	<0.01	71	10	<0.01	<1	0.04	34	2	<2	36	<5	<3	91
90997	0.6	0.08	99	60	<3	0.05	2.1	19	105	2242	2.23	0.02	<0.01	109	15	<0.01	<1	0.02	15	9	<2	24	<5	<3	39
90998	3.7	0.16	36	78	<3	0.03	2.7	47	168	10892	4.95	0.05	0.03	226	71	<0.01	33	<0.01	10	13	3	9	<5	<3	81
90999	1.7	0.01	97	45	<3	0.03	2.8	62	122	6770	5.06	0.06	0.04	243	29	<0.01	336	<0.01	11	17	3	6	<5	<3	41
901000	3.5	<0.01	50	27	<3	0.04	4.0	93	114	8681	8.91	0.12	0.04	454	69	<0.01	71	<0.01	26	25	4	5	<5	<3	44
901001	0.7	<0.01	68	123	<3	0.04	2.7	21	83	2970	4.93	0.05	0.02	332	36	<0.01	22	<0.01	14	12	3	7	<5	<3	31
901002	0.8	<0.01	132	39	<3	<0.01	2.2	19	158	3271	2.92	0.03	0.01	174	6	<0.01	1	<0.01	5	19	<2	40	<5	<3	27
901003	<0.1	<0.01	95	358	<3	<0.01	1.1	4	140	654	1.04	<0.01	<0.01	53	12	<0.01	342	<0.01	<2	3	<2	27	<5	7	8
901004	0.3	<0.01	176	320	<3	<0.01	2.1	7	140	1385	1.57	<0.01	0.01	155	13	<0.01	<1	<0.01	12	26	<2	14	<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

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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, Sn, Sr and W.

ANALYST: _____

REPORT #: 900324 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: AUG 28 1990 | DATE OUT: SEPT 28 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
901005	<0.1	0.03	115	385	<3	0.01	0.6	3	92	780	0.51	<0.01	0.02	63	12	<0.01	11	<0.01	2	14	<2	14	<5	<3	12
901006	<0.1	0.02	114	602	<3	<0.01	0.8	1	187	267	0.37	<0.01	<0.01	41	5	<0.01	6	<0.01	91	11	<2	18	<5	<3	6
901007	<0.1	0.02	105	220	<3	<0.01	1.0	2	164	58	0.38	<0.01	<0.01	43	5	<0.01	6	<0.01	2	10	<2	7	<5	<3	4
901008	<0.1	0.05	137	178	<3	<0.01	1.5	2	144	236	0.45	<0.01	<0.01	53	8	<0.01	329	<0.01	3	12	<2	6	<5	<3	5
901009	<0.1	0.04	124	222	<3	<0.01	2.2	1	165	118	0.33	<0.01	<0.01	49	9	<0.01	3	<0.01	6	14	<2	7	<5	<3	5
901010	<0.1	0.06	109	282	<3	<0.01	0.8	2	129	220	0.40	<0.01	<0.01	57	8	<0.01	4	<0.01	17	15	<2	9	<5	<3	8
901011	<0.1	0.08	103	195	<3	0.01	1.8	3	71	334	0.74	<0.01	0.02	83	6	0.01	7	<0.01	13	22	<2	10	<5	<3	18
901012	<0.1	0.10	110	265	<3	<0.01	1.0	5	122	606	1.06	<0.01	0.03	119	15	<0.01	320	<0.01	34	35	<2	11	<5	<3	22
901013	<0.1	0.10	114	255	<3	<0.01	0.7	2	161	143	0.39	<0.01	0.02	55	12	<0.01	8	<0.01	8	12	<2	11	<5	<3	10
901014	<0.1	0.08	118	99	<3	<0.01	0.7	2	90	179	0.38	<0.01	0.01	44	8	<0.01	6	<0.01	49	24	<2	6	<5	<3	14
901015	<0.1	0.11	111	186	<3	0.02	1.6	5	147	713	0.77	<0.01	0.03	98	17	<0.01	11	<0.01	44	29	<2	12	<5	<3	24
901016	<0.1	0.10	121	216	<3	<0.01	0.2	3	120	407	0.54	<0.01	0.02	76	15	<0.01	285	<0.01	46	29	<2	13	<5	<3	22
901017	<0.1	0.08	110	106	<3	<0.01	0.6	3	183	468	0.53	0.03	0.02	74	8	0.16	11	<0.01	15	13	<2	8	<5	<3	12
901018	<0.1	0.12	119	159	<3	<0.01	0.2	3	151	293	0.66	<0.01	0.03	86	7	<0.01	12	<0.01	40	34	<2	9	<5	<3	23
901019	<0.1	0.10	150	206	<3	0.07	2.8	5	171	752	1.35	0.02	0.06	122	5	0.02	26	<0.01	<2	14	<2	11	<5	<3	27
901020	0.8	0.06	499	43	<3	0.40	10.1	40	138	3896	3.56	0.09	0.16	338	16	0.04	65	<0.01	24	25	<2	13	<5	<3	52
901021	0.2	0.05	289	136	<3	0.18	7.7	15	183	3522	2.14	0.05	0.09	223	16	0.03	41	<0.01	9	26	<2	12	<5	<3	34
901022	<0.1	0.07	149	84	<3	0.04	3.3	5	171	439	1.10	0.01	0.05	86	7	0.03	15	<0.01	4	23	<2	6	<5	<3	18
901023	<0.1	0.09	183	250	<3	0.06	2.4	11	166	1664	2.13	0.03	0.09	116	5	0.02	36	<0.01	5	23	2	11	<5	<3	36
901024	<0.1	0.14	103	242	<3	0.09	3.5	6	145	281	2.38	0.04	0.10	151	9	0.02	27	<0.01	6	9	<2	11	<5	<3	37
901025	0.2	0.12	96	55	<3	0.23	4.2	11	174	1076	2.95	0.07	0.12	168	9	0.05	47	<0.01	3	13	<2	6	<5	<3	36
901026	<0.1	0.08	103	76	<3	0.18	1.5	7	153	466	1.80	0.04	0.08	137	5	0.03	25	0.02	4	9	<2	6	<5	<3	21
901027	0.2	0.08	129	67	<3	0.07	4.0	17	156	2605	2.69	0.03	0.07	237	5	0.03	49	<0.01	9	12	3	5	<5	<3	35
901028	<0.1	0.08	127	100	<3	0.05	3.4	12	137	1329	2.18	0.03	0.07	130	5	0.02	34	<0.01	18	20	2	7	<5	<3	26
901029	0.7	0.13	156	72	<3	0.04	7.9	30	197	4765	5.40	0.07	0.09	322	8	0.05	82	<0.01	42	52	4	6	<5	<3	53
901030	1.1	0.11	18	16	<3	0.07	8.3	32	148	5563	7.77	0.11	0.09	473	33	0.06	110	<0.01	21	28	4	4	<5	<3	48
901031	0.2	0.07	146	50	<3	0.03	5.7	17	216	1741	4.20	0.05	0.09	445	5	0.04	52	<0.01	19	36	<2	6	<5	<3	36
901032	0.3	0.07	151	123	<3	0.02	5.6	35	174	2050	4.21	0.05	0.09	397	4	0.04	63	<0.01	28	29	3	18	<5	<3	47
901033	0.5	0.08	165	194	<3	0.02	7.6	19	186	1588	3.66	0.04	0.08	355	15	0.04	54	<0.01	92	60	2	13	<5	<3	29
901034	1.8	0.08	182	90	<3	0.07	11.4	46	149	6305	6.51	0.10	0.13	712	14	0.06	107	<0.01	49	52	4	8	<5	<3	73
901035	0.1	0.09	<3	35	<3	0.07	8.0	61	139	1076	>10.00	0.17	0.08	475	7	0.07	135	<0.01	28	30	6	3	<5	<3	34
901036	0.2	0.10	<3	210	<3	0.06	7.2	35	135	903	>10.00	0.15	0.06	395	4	0.07	106	<0.01	25	27	5	10	<5	<3	41
901037	0.3	0.10	<3	22	<3	0.08	12.9	98	158	2417	>10.00	0.20	0.09	716	15	0.09	177	<0.01	35	37	7	5	<5	<3	59
901038	0.2	0.10	<3	44	<3	0.07	12.5	124	122	1655	>10.00	0.21	0.08	537	15	0.09	222	<0.01	31	38	7	5	<5	<3	45
901039	0.3	0.08	<3	153	<3	0.05	8.2	58	156	2252	>10.00	0.15	0.07	396	15	0.07	158	<0.01	27	30	6	8	<5	<3	34
901040	2.2	0.08	20	21	<3	0.03	7.8	67	146	9859	8.99	0.12	0.07	432	59	0.07	164	<0.01	20	27	5	3	<5	<3	54
901041	2.3	0.10	72	29	<3	0.02	8.9	66	143	11567	7.65	0.11	0.08	458	17	0.07	139	<0.01	19	25	6	3	<5	<3	59
901042	2.3	0.14	32	19	<3	0.05	9.9	56	139	9321	9.33	0.13	0.10	407	17	0.07	151	<0.01	22	28	6	3	<5	<3	55
901043	0.5	0.23	<3	38	<3	0.22	6.8	35	223	2440	>10.00	0.20	0.16	539	11	0.09	171	<0.01	20	32	7	6	<5	<3	47
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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED
1630 Pandora Street, Vancouver, B.C. V5L 1L6
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, Sn, Sr and W.

ANALYST:

REPORT #: 900324 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: AUG 28 1990 | DATE OUT: SEPT 28 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
901044	0.3	0.08	94	58	<3	0.11	5.5	66	115	3621	4.86	0.07	0.09	418	33	0.04	114	<0.01	18	19	3	16	<5	<3	40
901045	1.0	0.06	46	31	<3	0.08	12.8	112	112	18486	8.61	0.13	0.08	396	30	0.08	230	<0.01	16	27	6	4	<5	<3	88
901046	0.5	0.02	175	43	<3	0.09	7.6	50	124	3543	4.84	0.07	0.09	464	18	0.03	126	<0.01	17	24	2	5	<5	<3	39
901047	1.3	0.02	217	50	<3	0.09	10.3	84	140	6220	5.83	0.08	0.11	503	15	0.04	135	<0.01	22	30	4	14	<5	<3	48
901048	2.8	0.07	66	62	<3	0.09	10.8	73	144	12486	7.44	0.11	0.10	466	22	0.06	158	<0.01	25	49	6	8	<5	<3	73
901049	0.9	0.09	109	90	<3	0.17	9.7	103	134	6190	9.23	0.16	0.16	651	34	0.07	207	<0.01	29	70	6	11	<5	<3	70
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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED

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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, Sn, Sr and W.

ANALYST: _____

REPORT #: 900426 PA ALPINE EXPLORATION CORP. PROJECT: NONE GIVEN DATE IN: SEPT 07 1990 DATE OUT: OCT 03 1990 ATTENTION: MR. BILL OSBORNE

Sample Name	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
901050	<0.1	0.18	<3	128	<3	0.27	3.3	124	122	493	>10.00	0.35	0.12	544	23	0.03	304	0.02	13	28	12	8	<5	<3	63
901051	<0.1	0.15	<3	90	<3	0.24	2.6	198	99	1002	>10.00	0.36	0.08	582	35	0.04	342	0.02	19	25	13	7	<5	<3	59
901052	<0.1	0.13	<3	148	<3	0.20	2.1	138	153	2680	>10.00	0.19	0.11	554	104	0.03	203	0.01	2	23	8	12	<5	<3	55
901053	0.2	0.17	<3	247	<3	0.18	3.5	54	105	1222	>10.00	0.19	0.11	404	22	0.02	150	0.01	4	18	8	15	<5	<3	48
901054	0.2	0.19	<3	304	<3	0.24	1.8	67	193	1181	>10.00	0.21	0.11	397	18	0.02	134	0.01	4	22	8	19	<5	<3	54
901055	<0.1	0.29	<3	234	<3	0.50	3.5	56	101	581	>10.00	0.28	0.26	1182	18	0.03	175	0.04	7	34	10	21	<5	<3	107
901056	<0.1	0.27	<3	176	<3	0.31	6.0	79	236	647	>10.00	0.50	0.10	581	36	0.05	186	0.02	31	41	17	16	<5	<3	98
901057	1.7	1.79	<3	25	<3	0.86	2.6	172	57	5068	9.12	0.32	0.09	385	345	0.11	131	0.11	<2	9	11	123	<5	<3	89
901058	0.4	1.13	<3	280	<3	0.85	1.8	40	96	1548	9.46	0.26	0.05	476	41	0.04	75	0.10	<2	7	9	78	<5	<3	64
901059	1.5	0.71	<3	73	<3	0.79	2.0	53	48	2867	8.13	0.24	0.08	433	31	0.03	59	0.04	<2	9	7	46	<5	<3	56
901060	0.8	0.96	<3	169	<3	0.60	1.4	38	100	2343	5.69	0.18	0.09	272	28	0.03	41	0.07	<2	<2	5	53	<5	<3	72
901061	0.2	1.12	<3	236	<3	0.57	1.6	22	66	857	3.33	0.13	0.73	258	20	0.03	26	0.02	<2	<2	8	41	<5	<3	48
901062	<0.1	0.70	<3	40	<3	0.07	<0.1	18	122	139	3.03	0.05	0.02	54	13	<0.01	25	0.01	<2	2	3	22	<5	<3	15
901063	<0.1	0.46	<3	17	<3	0.04	2.0	28	56	168	5.01	0.07	0.01	55	16	0.01	32	0.01	<2	7	5	11	<5	<3	15
901064	<0.1	0.77	<3	21	<3	0.14	1.9	35	106	511	7.76	0.15	<0.01	106	15	0.02	41	<0.01	<2	8	7	25	<5	<3	42
901065	2.2	0.91	<3	44	<3	0.55	3.5	75	54	5939	7.77	0.20	0.01	280	70	0.03	49	0.04	<2	5	8	25	<5	<3	77
901066	<0.1	0.59	<3	21	<3	0.15	3.0	52	94	1163	>10.00	0.24	0.02	40	15	0.03	98	0.03	<2	18	11	27	<5	<3	30
901067	<0.1	1.20	<3	50	<3	0.09	2.2	47	42	1435	7.57	0.15	0.03	143	69	0.02	63	0.01	<2	<2	8	29	<5	<3	41
901068	<0.1	0.34	<3	26	<3	0.30	1.1	67	72	851	9.99	0.20	<0.01	<1	11	0.02	73	0.01	<2	13	7	106	<5	<3	22
901069	1.4	1.04	<3	43	<3	0.12	2.4	61	48	3904	8.97	0.18	<0.01	158	55	0.03	58	0.01	<2	5	9	21	<5	<3	52
901070	1.3	1.63	<3	135	<3	0.90	2.6	27	96	2899	7.93	0.24	0.02	484	125	0.02	45	0.02	<2	<2	9	46	<5	<3	63
901071	0.4	1.27	<3	48	<3	0.14	2.1	50	39	1566	7.68	0.17	<0.01	192	29	0.02	57	0.01	<2	<2	8	22	<5	<3	63
901072	<0.1	1.15	<3	133	<3	0.61	2.9	28	90	894	>10.00	0.32	0.02	325	32	0.04	43	0.05	<2	10	12	62	<5	<3	68
901073	0.1	0.86	<3	46	<3	0.20	2.9	47	47	1338	9.56	0.20	0.03	171	19	0.03	59	0.04	<2	10	8	52	<5	<3	32
901074	1.9	1.61	<3	29	<3	0.18	2.6	100	83	3958	9.56	0.22	<0.01	108	16	0.02	84	0.04	<2	<2	10	53	<5	<3	70
901075	1.4	1.62	<3	65	<3	0.93	0.8	106	42	4107	6.81	0.23	0.03	292	182	0.02	91	0.04	<2	<2	8	85	<5	<3	76
901076	0.6	1.77	<3	61	<3	0.90	0.8	67	96	1573	6.82	0.22	<0.01	265	51	0.02	59	0.03	<2	<2	7	136	<5	<3	76
901077	1.0	1.67	<3	58	<3	0.63	2.0	91	44	771	6.79	0.21	<0.01	216	22	0.02	95	0.04	<2	<2	8	97	<5	<3	28
901078	0.2	1.01	<3	62	<3	1.12	1.4	65	78	979	4.93	0.18	<0.01	152	19	0.02	60	0.03	<2	<2	5	194	<5	<3	17
901079	<0.1	0.55	<3	89	<3	2.43	0.2	9	33	264	2.32	0.19	<0.01	217	27	0.03	6	0.07	<2	<2	3	366	<5	<3	5
901080	0.2	0.71	<3	81	<3	1.16	1.0	11	68	763	0.99	0.13	<0.01	131	23	0.04	8	0.06	<2	<2	<2	198	<5	<3	5
901081	0.3	0.78	<3	81	<3	1.80	0.8	51	48	720	2.56	0.19	<0.01	212	28	0.05	38	0.13	<2	<2	4	164	49	<3	14
901082	0.2	0.74	<3	89	<3	1.81	<0.1	15	52	930	1.21	0.16	<0.01	203	17	0.04	16	0.07	<2	<2	<2	138	<5	<3	12
901083	0.1	0.67	<3	103	<3	1.79	0.4	7	33	761	0.61	0.15	<0.01	180	48	0.04	2	0.15	<2	<2	<2	116	<5	<3	5
901084	0.2	0.56	<3	113	<3	1.95	0.1	7	74	814	0.31	0.16	<0.01	215	54	0.05	<1	0.14	<2	<2	<2	120	37	<3	5
901085	0.2	0.77	<3	114	<3	2.17	<0.1	10	39	1044	0.94	0.17	<0.01	224	40	0.05	7	0.15	<2	<2	<2	154	20	<3	8
901086	0.1	0.72	<3	130	<3	1.64	<0.1	5	57	962	1.27	0.16	<0.01	211	40	0.04	8	0.06	<2	<2	<2	154	<5	<3	8
901087	<0.1	0.40	<3	114	<3	1.85	<0.1	12	23	339	0.54	0.16	<0.01	207	81	0.04	<1	0.11	<2	<2	<2	70	18	<3	4
901088	0.2	0.64	<3	160	<3	2.17	0.3	10	41	1371	0.91	0.17	<0.01	239	51	0.04	<1	0.07	<2	<2	<2	84	<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

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ANALYST:

REPORT #: 900426 PA ALPINE EXPLORATION CORP. PROJECT: NONE GIVEN DATE IN: SEPT 07 1990 DATE OUT: OCT 03 1990 ATTENTION: MR. BILL OSBORNE

Sample Name	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
901089	<0.1	0.44	<3	211	<3	2.97	0.5	17	772	519	1.18	0.20	<0.01	406	888	0.04	3672	0.13	<2	<2	3	80	<5	<3	3
901090	<0.1	0.61	<3	115	<3	2.77	0.8	67	78	1483	2.21	0.22	0.01	401	120	0.06	107	0.14	<2	<2	4	88	<5	<3	15
901091	<0.1	1.37	<3	123	<3	2.97	2.3	8	55	786	4.86	0.27	0.03	430	28	0.04	43	0.08	<2	<2	6	133	<5	<3	20
901092	0.3	2.43	<3	87	<3	3.48	1.2	36	53	1243	3.62	0.26	0.03	546	30	0.05	37	0.08	<2	<2	7	158	<5	<3	25
901093	1.7	1.14	<3	138	<3	3.77	0.7	61	34	3004	3.21	0.26	0.02	593	29	0.04	38	0.11	<2	<2	5	103	<5	<3	35
901094	0.4	0.74	<3	115	<3	2.19	1.0	16	59	673	1.06	0.17	<0.01	384	23	0.02	22	0.23	36	<2	3	71	<5	<3	102
901095	5.0	1.07	<3	93	<3	0.47	1.0	69	40	7601	6.01	0.18	0.03	401	42	0.02	77	0.12	<2	<2	6	53	<5	<3	109
901096	0.3	0.73	<3	65	<3	0.18	<0.1	30	58	759	3.10	0.08	<0.01	90	29	<0.01	30	0.06	<2	2	4	64	<5	<3	17
901097	0.5	0.41	<3	186	<3	0.12	0.4	27	63	910	2.02	0.05	0.01	168	52	<0.01	15	0.03	<2	6	3	27	<5	<3	49
901098	0.7	0.46	229	356	<3	0.20	1.7	10	102	448	1.11	0.04	0.01	143	12	<0.01	11	0.06	152	5	2	40	<5	<3	216
901099	0.6	0.17	31	238	<3	0.05	0.3	10	61	1081	1.12	0.01	<0.01	122	15	<0.01	20	0.02	22	12	2	28	<5	<3	41
901100	0.7	0.09	18	209	<3	0.02	<0.1	7	139	1338	1.58	0.01	0.01	170	6	<0.01	13	0.01	7	11	2	11	<5	<3	16
901101	1.2	0.17	<3	130	<3	0.19	0.2	7	84	794	1.00	0.03	<0.01	133	8	<0.01	9	0.02	16	6	<2	8	<5	<3	30
901102	0.3	0.39	<3	550	<3	0.93	1.5	8	144	966	2.45	0.12	0.03	427	12	0.01	20	0.04	7	5	3	47	<5	<3	71
901103	0.4	0.56	7	137	<3	0.99	1.1	38	66	1396	4.45	0.17	0.04	506	24	0.02	53	0.02	6	4	4	47	<5	<3	70
901104	0.8	0.63	85	144	<3	0.59	0.9	42	112	2612	4.98	0.14	0.04	420	16	0.02	68	0.02	<2	10	5	38	<5	<3	65
901105	1.6	0.40	43	222	<3	0.10	0.5	23	74	3248	5.05	0.10	0.06	465	69	0.01	48	0.02	<2	10	5	19	<5	<3	51
901106	1.0	0.10	<3	144	<3	<0.01	<0.1	4	191	697	0.86	<0.01	<0.01	54	4	<0.01	3	<0.01	2	21	<2	9	<5	<3	18
901107	0.2	0.03	<3	33	<3	<0.01	0.3	3	93	199	0.44	<0.01	<0.01	31	8	<0.01	3	<0.01	14	13	<2	3	<5	<3	10
901108	<0.1	0.02	<3	8	<3	<0.01	1.0	6	74	29	0.11	0.13	<0.01	<1	5	0.04	<1	<0.01	44	25	<2	1	<5	<3	2
901109	0.9	0.06	<3	184	<3	<0.01	<0.1	11	97	160	1.88	0.01	0.06	94	9	<0.01	15	<0.01	51	22	2	8	<5	<3	29
901110	0.8	0.29	8	116	<3	0.03	1.1	25	159	3190	4.07	0.06	0.07	386	47	0.01	38	<0.01	20	23	5	27	<5	<3	82
901111	0.9	0.06	160	305	<3	<0.01	<0.1	15	82	2140	2.69	0.03	0.05	256	19	<0.01	26	<0.01	<2	27	3	18	<5	<3	36
901112	0.9	0.05	243	272	<3	<0.01	0.1	17	180	2783	2.59	0.03	0.05	257	19	<0.01	31	<0.01	41	79	3	22	<5	<3	40
901113	0.3	0.04	<3	582	<3	<0.01	<0.1	6	95	2110	1.14	<0.01	0.02	58	10	<0.01	4	<0.01	18	21	<2	17	<5	<3	23
901114	0.4	0.04	536	467	<3	<0.01	0.4	14	177	2204	1.95	0.01	0.06	70	9	<0.01	24	<0.01	5	61	2	21	<5	<3	29
901115	0.3	0.04	<3	203	<3	<0.01	<0.1	2	90	506	0.55	<0.01	<0.01	27	10	<0.01	<1	<0.01	3	11	<2	8	<5	<3	7
901116	0.2	0.05	<3	445	<3	<0.01	<0.1	2	183	333	0.46	<0.01	<0.01	31	3	<0.01	<1	<0.01	2	11	<2	15	<5	<3	7
901117	0.1	0.03	<3	116	<3	<0.01	<0.1	5	86	251	0.61	<0.01	<0.01	2	17	<0.01	<1	<0.01	<2	8	<2	5	<5	<3	4
901118	<0.1	0.04	<3	187	<3	<0.01	0.3	2	170	261	0.49	<0.01	<0.01	38	15	<0.01	<1	<0.01	<2	12	<2	8	<5	<3	6
901119	0.3	0.03	<3	44	<3	<0.01	<0.1	3	81	792	0.64	<0.01	<0.01	79	10	<0.01	<1	<0.01	4	10	<2	3	<5	<3	10
901120	0.1	0.03	96	35	<3	0.06	<0.1	2	225	715	0.68	<0.01	0.04	164	11	<0.01	<1	<0.01	7	22	<2	2	<5	<3	8
901121	0.2	0.04	<3	30	<3	<0.01	<0.1	3	101	319	0.71	0.05	0.02	68	18	0.06	2	<0.01	14	10	<2	7	<5	<3	9
901122	<0.1	0.06	<3	328	<3	<0.01	<0.1	3	251	549	0.49	<0.01	<0.01	32	6	<0.01	<1	<0.01	<2	7	<2	9	<5	<3	9
901123	0.1	0.09	<3	409	<3	<0.01	<0.1	2	108	361	0.48	<0.01	<0.01	62	14	<0.01	<1	<0.01	6	7	<2	13	<5	<3	9
901124	<0.1	0.16	<3	667	<3	0.04	<0.1	3	217	286	0.52	0.02	<0.01	106	5	<0.01	<1	<0.01	3	5	<2	22	<5	<3	12
901125	0.1	0.14	<3	243	<3	<0.01	<0.1	3	105	411	0.61	<0.01	<0.01	89	13	<0.01	<1	<0.01	18	18	<2	8	<5	<3	12
901126	<0.1	0.17	<3	189	<3	<0.01	<0.1	3	192	260	0.61	<0.01	<0.01	213	4	<0.01	<1	0.01	10	7	<2	9	<5	<3	24
901127	<0.1	0.18	<3	573	<3	0.11	<0.1	3	86	384	0.62	0.02	<0.01	309	6	<0.01	<1	0.01	11	3	2	29	<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 Detection > - Greater than Maximum Detection is insufficient Sample for ANOMALOUS - Analytical Alternate methods should be used.

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
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, Sn, Sr and W.

ANALYST: _____

REPORT #: 900426 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: SEPT 07 1990 | DATE OUT: OCT 03 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
901128	<0.1	0.10	<3	168	<3	0.13	0.1	3	213	103	0.70	<0.01	0.03	234	5	<0.01	2	<0.01	13	7	<2	11	<5	<3	15
901129	0.2	0.14	<3	78	<3	0.43	<0.1	8	137	594	2.17	0.08	0.04	435	16	0.05	10	0.01	21	7	4	16	<5	<3	24
901130	<0.1	0.12	36	52	<3	0.09	0.1	5	220	455	1.92	0.02	0.06	387	7	<0.01	10	0.01	30	26	2	8	<5	<3	24
901131	<0.1	0.12	<3	60	<3	0.09	<0.1	6	90	847	2.45	0.03	0.07	384	13	<0.01	13	<0.01	8	15	2	7	<5	<3	25
901132	0.2	0.11	<3	68	<3	0.17	<0.1	9	229	1663	2.00	0.03	0.03	305	6	<0.01	12	<0.01	13	7	3	7	<5	<3	18
901133	<0.1	0.10	36	90	<3	0.11	<0.1	7	107	733	1.13	<0.01	0.04	193	11	<0.01	8	<0.01	10	10	<2	6	<5	<3	13
901134	0.3	0.06	136	292	<3	0.19	<0.1	13	233	2248	1.81	0.02	0.09	190	17	<0.01	19	<0.01	15	14	<2	13	<5	<3	34
901135	<0.1	0.06	<3	152	<3	0.07	0.4	10	145	1235	1.91	0.01	0.04	201	21	<0.01	33	<0.01	7	9	2	6	<5	<3	16
901136	0.4	0.07	<3	144	<3	0.08	<0.1	12	248	2201	1.91	0.01	0.05	169	11	<0.01	22	<0.01	11	6	2	7	<5	<3	22
901137	<0.1	0.06	<3	40	<3	0.04	<0.1	6	116	1069	2.19	<0.01	0.03	231	17	<0.01	16	<0.01	10	10	<2	3	<5	<3	16
901138	<0.1	0.08	<3	41	<3	0.15	<0.1	4	246	967	1.26	0.01	0.02	171	5	<0.01	1	<0.01	8	9	<2	4	<5	<3	13
901139	<0.1	0.05	<3	45	<3	0.11	<0.1	2	99	432	0.65	<0.01	0.01	121	9	<0.01	<1	<0.01	10	7	<2	4	<5	<3	8
901140	0.3	0.08	26	156	<3	0.07	<0.1	11	251	1485	1.90	0.02	0.06	188	4	<0.01	18	<0.01	26	33	3	8	<5	<3	31
901141	1.0	0.04	175	110	<3	0.06	<0.1	38	113	7793	3.94	0.04	0.07	297	24	<0.01	83	<0.01	13	54	3	8	<5	<3	62
901142	1.5	0.03	104	75	<3	0.08	1.0	51	224	9647	5.54	0.07	0.06	338	17	0.01	120	<0.01	<2	39	4	7	<5	<3	58
901143	1.0	0.02	136	101	<3	0.10	<0.1	37	109	5608	4.32	0.04	0.07	306	17	<0.01	100	0.02	20	47	3	8	<5	<3	67
901144	0.7	0.04	92	249	<3	0.04	<0.1	19	239	3638	2.44	<0.01	0.04	227	12	<0.01	42	0.02	10	11	2	12	<5	<3	35
901145	0.7	0.06	114	228	<3	0.15	0.4	19	127	3505	3.87	0.05	0.06	253	25	<0.01	68	0.02	5	17	4	14	<5	<3	28
901146	0.9	0.28	<3	105	<3	0.44	3.0	36	222	6644	>10.00	0.23	0.08	396	31	0.02	201	0.09	2	15	9	29	<5	<3	58
001147	1.8	0.02	96	189	<3	0.08	0.3	39	109	8887	2.86	0.02	0.03	140	46	<0.01	112	0.02	6	10	3	14	<5	<3	78
901148	3.3	0.14	<3	60	<3	0.24	1.5	77	229	14856	4.49	0.06	0.04	148	21	0.02	205	0.03	9	6	5	29	<5	<3	153
901149	2.5	0.19	<3	75	<3	0.16	1.2	91	123	11935	5.16	0.07	0.06	182	30	0.01	171	0.01	<2	5	5	18	<5	<3	98
901150	0.6	0.21	<3	77	<3	0.25	1.4	36	247	2878	5.62	0.09	0.13	298	38	0.01	120	0.02	8	16	5	9	<5	<3	48
901151	1.9	0.24	<3	51	<3	0.13	2.1	22	131	3800	7.98	0.12	0.10	346	26	0.02	150	0.03	<2	11	6	4	<5	<3	42
901152	0.3	0.19	<3	30	<3	0.18	2.3	18	223	1143	>10.00	0.24	0.13	522	39	0.02	218	0.04	9	18	9	3	<5	<3	35
901153	0.3	0.33	<3	39	<3	0.12	1.8	18	113	1301	>10.00	0.22	0.09	334	32	0.02	221	0.03	<2	15	10	4	<5	<3	41
901154	<0.1	0.21	<3	50	<3	0.07	1.2	14	196	1379	>10.00	0.15	0.06	345	11	0.02	133	0.02	3	14	7	4	<5	<3	40
901155	<0.1	0.18	<3	15	<3	0.06	2.3	16	180	1277	>10.00	0.22	0.07	291	32	0.02	184	0.01	<2	14	10	2	<5	<3	38
901156	0.4	0.11	<3	176	<3	0.11	3.2	23	166	3305	>10.00	0.19	0.05	291	24	0.02	338	0.04	5	15	8	8	<5	<3	48
901157	0.6	0.14	<3	512	<3	0.05	0.9	18	147	2964	7.43	0.09	0.06	343	18	<0.01	116	0.02	<2	11	5	21	<5	<3	40
901158	1.2	0.17	<3	165	<3	0.04	1.4	28	208	4996	>10.00	0.15	0.05	294	18	0.02	423	0.01	<2	14	8	6	<5	<3	47
901159	7.4	0.43	<3	67	<3	0.06	2.8	48	206	>20000	>10.00	0.18	0.11	333	76	0.04	266	<0.01	<2	3	10	6	<5	<3	138
901160	1.4	0.29	<3	112	<3	0.17	6.1	44	200	4202	>10.00	0.36	0.16	774	445	0.03	298	0.01	132	39	13	10	<5	<3	84
901161	6.4	0.15	<3	21	<3	0.08	1.8	31	173	13606	9.04	0.14	0.11	703	65	0.02	218	<0.01	<2	11	8	4	<5	<3	85
901162	1.4	0.22	<3	122	<3	0.12	1.4	48	226	5251	9.41	0.14	0.10	481	38	0.02	459	0.02	<2	9	8	10	<5	<3	61
901163	1.0	0.07	<3	44	<3	0.02	1.0	26	121	3292	4.70	0.03	0.04	183	13	<0.01	108	<0.01	17	11	4	4	<5	<3	31
901164	0.3	0.20	<3	153	<3	0.07	1.2	35	177	2659	9.20	0.13	0.06	212	18	0.01	369	0.01	6	13	8	11	<5	<3	40
901165	0.1	0.19	<3	156	<3	0.07	<0.1	26	187	1158	7.34	0.10	0.07	245	11	0.01	104	<0.01	15	14	6	11	<5	<3	39
901166	<0.1	0.15	<3	23	<3	0.04	0.3	17	192	750	6.44	0.08	0.07	268	12	<0.01	265	<0.01	10	9	6	3	<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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
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, Sn, Sr and W.

ANALYST: Ryan h

REPORT #: 900426 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: SEPT 07 1990 | DATE OUT: OCT 3 1990 | ATTENTION: MR. BILL OSBORNE | PAGE 4 OF 5

Sample Name	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
901167	<0.1	0.17	<3	28	<3	0.13	0.7	20	165	464	7.07	0.12	0.08	290	37	0.01	200	<0.01	10	19	5	5	<5	<3	38
901168	<0.1	0.20	<3	20	<3	0.14	1.6	42	150	370	9.55	0.16	0.07	389	15	0.02	307	<0.01	5	18	7	5	<5	<3	45
901169	<0.1	0.20	<3	18	<3	0.14	1.6	67	135	525	>10.00	0.21	0.05	415	12	0.03	131	0.01	5	18	9	5	<5	<3	48
901170	0.3	0.63	<3	184	<3	0.51	3.0	56	131	1660	>10.00	0.21	0.11	521	17	0.02	287	0.03	<2	12	8	22	<5	<3	66
901171	<0.1	1.61	<3	155	<3	2.19	2.0	22	75	1216	8.51	0.32	0.14	595	17	0.04	65	0.05	7	6	9	122	<5	<3	73
901172	<0.1	0.71	<3	240	<3	0.96	<0.1	19	95	420	4.25	0.15	0.50	302	14	0.03	168	0.02	<2	5	6	67	<5	<3	31
901173	<0.1	0.68	<3	70	<3	0.08	<0.1	28	75	271	2.67	0.04	0.02	66	12	<0.01	51	0.02	<2	6	4	14	<5	<3	16
901174	<0.1	0.56	<3	58	<3	0.12	<0.1	33	68	530	3.00	0.05	0.01	78	14	<0.01	166	0.01	<2	5	4	15	<5	<3	18
901175	<0.1	1.03	<3	123	<3	0.38	0.2	27	78	227	3.34	0.07	0.04	170	15	<0.01	53	0.02	<2	<2	4	20	<5	<3	40
901176	<0.1	1.00	<3	136	<3	0.36	<0.1	30	79	566	3.39	0.08	0.04	192	20	<0.01	165	0.02	<2	<2	5	19	<5	<3	21
901177	<0.1	0.88	<3	39	<3	0.18	0.8	23	58	580	2.46	0.05	0.01	71	22	<0.01	44	0.02	<2	<2	4	22	<5	<3	18
901178	<0.1	1.23	<3	18	<3	0.08	0.7	25	99	239	4.02	0.05	<0.01	100	19	<0.01	219	0.01	<2	<2	5	9	<5	<3	14
901179	<0.1	0.78	<3	16	<3	0.11	1.3	23	82	357	4.42	0.06	<0.01	59	18	0.01	35	0.01	<2	5	5	13	<5	<3	17
901180	1.5	0.79	<3	15	<3	0.47	0.6	38	96	9084	3.78	0.09	0.01	73	176	0.02	223	0.01	<2	<2	5	106	<5	<3	56
901181	<0.1	1.02	<3	51	<3	0.17	<0.1	18	159	145	3.20	0.06	0.02	68	15	0.02	37	0.02	<2	<2	5	61	<5	<3	16
901182	<0.1	0.72	<3	23	<3	0.49	0.2	16	122	91	3.57	0.08	0.06	106	18	0.01	147	0.03	<2	<2	4	227	<5	<3	12
901183	<0.1	0.79	<3	25	<3	0.13	0.6	16	100	211	4.36	0.06	0.04	68	12	<0.01	33	0.03	<2	2	5	37	<5	<3	20
901184	<0.1	0.94	<3	22	<3	0.11	0.5	22	49	192	4.60	0.06	0.04	94	13	0.01	53	0.02	<2	<2	5	25	<5	<3	15
901185	<0.1	1.27	<3	55	<3	0.87	1.1	27	104	528	7.61	0.21	0.08	1026	13	0.02	56	0.07	<2	2	8	72	<5	<3	109
901186	0.2	0.76	<3	49	<3	0.51	<0.1	36	42	1365	2.73	0.08	0.02	243	19	0.01	48	0.04	28	<2	4	38	<5	<3	63
901187	<0.1	0.79	<3	26	<3	0.23	<0.1	28	72	402	3.77	0.07	0.02	129	9	<0.01	63	0.03	<2	3	4	40	<5	<3	19
901188	<0.1	0.35	<3	20	<3	0.07	<0.1	16	46	32	3.78	0.04	0.02	39	8	<0.01	41	0.02	<2	7	4	31	<5	<3	13
901189	<0.1	0.65	<3	16	<3	0.11	<0.1	21	84	27	4.43	0.06	0.02	52	6	<0.01	51	0.03	<2	3	6	42	<5	<3	12
901190	<0.1	0.64	<3	33	<3	0.09	<0.1	30	48	148	4.89	0.06	0.01	60	9	<0.01	55	0.02	<2	5	5	61	<5	<3	22
901191	0.3	1.23	<3	102	<3	0.35	1.2	33	101	1641	6.61	0.15	0.05	270	32	0.02	66	0.03	<2	2	7	58	<5	<3	37
901192	0.2	0.72	<3	90	<3	0.67	0.5	37	54	1487	5.04	0.14	0.04	243	27	0.02	70	0.01	<2	6	5	51	<5	<3	29
901193	0.2	0.67	<3	110	<3	1.35	<0.1	28	72	1119	4.00	0.17	0.03	359	21	0.01	62	0.07	<2	3	5	60	<5	<3	21
901194	0.3	0.57	<3	63	<3	0.26	0.6	38	43	919	4.31	0.09	0.02	188	12	0.01	71	0.02	<2	4	5	34	<5	<3	29
901195	<0.1	0.34	<3	23	<3	0.06	<0.1	28	72	112	3.49	0.04	0.01	40	5	<0.01	62	0.01	8	8	3	18	<5	<3	12
901196	0.1	0.50	78	32	<3	0.08	<0.1	26	52	757	3.03	0.04	0.01	48	20	<0.01	65	0.02	<2	5	3	17	<5	<3	17
901197	<0.1	0.58	<3	45	<3	0.06	<0.1	35	165	416	3.72	0.04	<0.01	48	7	<0.01	72	0.01	<2	4	4	35	<5	<3	18
901198	<0.1	0.48	<3	43	<3	0.06	0.3	25	37	106	3.37	0.04	<0.01	32	7	<0.01	58	0.01	<2	6	4	29	<5	<3	12
901199	<0.1	0.50	<3	37	<3	0.05	0.2	32	70	183	3.59	0.05	<0.01	22	6	0.01	70	0.02	<2	4	4	40	<5	<3	14
901200	0.2	0.41	<3	33	<3	0.06	<0.1	29	42	1628	3.14	0.03	0.01	26	8	<0.01	74	0.01	<2	4	4	19	<5	<3	30
901201	0.2	0.51	<3	89	<3	0.12	<0.1	42	76	844	3.62	0.07	0.03	162	7	0.01	72	0.03	28	4	4	17	<5	<3	56
901202	0.2	1.17	<3	69	<3	0.14	0.3	51	36	2497	6.82	0.13	0.03	260	54	0.01	96	0.02	<2	3	8	45	<5	<3	49
901203	0.8	1.08	<3	57	<3	0.09	0.1	79	66	3369	6.31	0.10	0.02	212	12	0.01	129	0.01	<2	<2	7	22	<5	<3	61
901204	0.3	0.76	<3	43	<3	0.08	1.2	37	45	1841	4.41	0.06	0.01	72	9	<0.01	123	0.02	<2	<2	5	24	<5	<3	25
901205	<0.1	0.37	<3	46	<3	0.07	<0.1	13	75	281	1.77	0.01	0.01	30	6	<0.01	55	0.02	<2	<2	3	23	<5	<3	9
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

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VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
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, Sn, Sr and W.

ANALYST: _____

REPORT #: 900426 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: SEPT 07 1990 | DATE OUT: OCT 3 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
901206	<0.1	0.38	<3	50	<3	0.11	1.0	10	56	453	1.84	0.03	0.02	127	11	<0.01	21	0.03	<2	<2	3	32	<5	<3	11
901207	0.7	0.11	<3	117	<3	0.09	2.1	6	130	1691	2.66	0.03	0.04	266	22	<0.01	24	0.01	4	7	2	8	<5	<3	26
901208	<0.1	0.11	<3	230	<3	0.05	1.0	5	79	615	1.11	<0.01	0.01	75	22	<0.01	12	0.01	14	10	<2	14	<5	<3	14
901209	<0.1	0.10	30	329	<3	0.02	0.3	3	125	1026	0.68	<0.01	0.01	73	6	<0.01	7	<0.01	7	8	<2	16	<5	<3	13
901210	<0.1	0.07	55	588	<3	0.04	<0.1	5	89	1124	0.86	<0.01	0.02	131	11	<0.01	15	<0.01	12	11	<2	29	<5	<3	17
901211	<0.1	0.06	<3	314	<3	0.03	0.9	4	129	524	0.62	<0.01	0.01	127	2	<0.01	9	<0.01	22	6	<2	14	<5	<3	21
901212	<0.1	0.04	<3	487	<3	0.04	0.9	3	100	390	0.73	<0.01	0.02	97	13	<0.01	5	<0.01	9	7	<2	18	<5	<3	7
901213	<0.1	0.08	<3	376	<3	0.13	0.5	2	100	183	0.45	<0.01	<0.01	84	13	<0.01	4	<0.01	4	4	<2	16	<5	<3	4
901214	<0.1	0.06	<3	82	<3	0.10	0.4	2	81	258	0.47	<0.01	<0.01	66	9	<0.01	4	<0.01	11	4	<2	6	<5	<3	7
901215	<0.1	0.04	<3	46	<3	0.13	0.6	3	108	355	0.88	<0.01	0.03	110	22	<0.01	6	<0.01	7	6	<2	5	<5	<3	7
901216	0.2	0.05	<3	48	<3	0.02	0.8	4	82	1243	0.94	<0.01	0.03	174	29	<0.01	14	<0.01	64	27	<2	4	<5	<3	25
901217	<0.1	0.09	<3	83	<3	0.03	0.2	1	106	150	0.63	<0.01	0.02	144	4	<0.01	<1	<0.01	<2	7	<2	11	<5	<3	9
901218	<0.1	0.12	20	75	<3	0.05	0.3	2	85	400	0.82	<0.01	0.03	182	26	<0.01	2	<0.01	<2	17	<2	15	<5	<3	12
901219	<0.1	0.08	<3	22	<3	0.13	0.8	3	113	150	1.07	0.01	0.04	251	7	<0.01	<1	<0.01	5	7	<2	7	<5	<3	15
901220	<0.1	0.11	10	55	<3	0.25	0.5	2	90	719	0.59	0.01	0.02	131	26	<0.01	<1	<0.01	8	7	<2	11	<5	<3	9
901221	<0.1	0.18	<3	44	<3	0.37	0.7	2	143	372	0.82	0.03	0.03	147	7	<0.01	<1	<0.01	<2	6	<2	17	<5	<3	11
901222	0.3	0.07	<3	24	<3	0.17	0.5	5	98	1849	1.21	0.02	0.03	180	25	<0.01	9	<0.01	6	6	<2	6	<5	<3	28
901223	<0.1	0.09	53	36	<3	0.02	0.6	5	132	735	1.03	<0.01	0.03	144	17	<0.01	2	<0.01	5	10	<2	6	<5	<3	19
901224	<0.1	0.06	<3	38	<3	<0.01	0.8	2	90	867	0.68	<0.01	0.02	101	15	<0.01	<1	<0.01	16	14	<2	4	<5	<3	17
901225	0.1	0.06	39	293	<3	0.02	0.6	7	114	561	1.19	<0.01	0.06	262	7	<0.01	3	<0.01	92	33	<2	13	<5	<3	32
901226	0.2	0.09	<3	238	<3	0.12	0.5	6	92	832	1.45	0.02	0.10	212	10	<0.01	5	<0.01	17	6	<2	9	<5	<3	20
901227	0.6	0.41	<3	51	<3	0.51	1.8	20	115	3045	4.31	0.10	0.13	395	11	0.01	50	0.02	13	2	4	15	<5	<3	50
901228	1.3	0.18	<3	119	<3	0.32	1.9	30	104	5640	6.45	0.12	0.10	312	96	0.02	103	<0.01	7	7	6	10	<5	<3	55
901229	0.4	0.08	<3	22	<3	0.34	3.2	25	145	2935	6.90	0.13	0.09	250	15	0.02	77	<0.01	16	13	7	7	<5	<3	42
901230	1.0	0.30	<3	86	<3	0.14	2.1	31	100	4259	6.42	0.10	0.09	332	35	0.02	72	0.01	<2	8	6	7	<5	<3	57
901231	0.5	0.21	<3	47	<3	0.18	3.2	47	108	2417	8.42	0.15	0.08	313	30	0.02	119	0.01	6	10	8	8	<5	<3	49
901232	0.2	0.18	<3	37	<3	0.20	2.9	74	94	1461	9.67	0.17	0.09	335	16	0.02	165	0.01	18	11	9	9	<5	<3	54
901233	0.2	0.14	<3	16	<3	0.18	1.5	35	109	1309	7.06	0.11	0.07	256	7	0.01	120	0.04	6	10	6	5	<5	<3	32
901234	1.2	0.20	<3	11	<3	0.09	3.4	70	96	4200	8.51	0.14	0.08	200	13	0.02	197	0.02	4	12	7	3	<5	<3	45
901235	0.5	0.20	<3	57	<3	0.10	2.8	49	115	2535	>10.00	0.18	0.06	200	11	0.02	152	0.01	5	13	8	4	<5	<3	41
901236	1.2	0.29	<3	10	<3	0.08	2.6	42	84	3166	9.50	0.15	0.06	221	13	0.02	129	0.01	<2	12	7	3	<5	<3	50
901237	0.5	0.32	<3	220	<3	0.19	2.8	35	108	1833	8.87	0.15	0.08	298	8	0.02	91	0.01	<2	8	7	15	<5	<3	38
901238	0.1	2.23	1094	107	<3	1.03	<0.1	27	36	900	5.63	0.20	0.99	370	31	0.03	8	0.09	<2	<2	9	36	<5	<3	86
901239	<0.1	2.35	733	83	<3	0.67	1.6	34	44	741	5.45	0.18	1.40	330	52	0.03	4	0.05	<2	<2	10	38	<5	<3	64
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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED
1630 Pandora Street, Vancouver, B.C. V5L 1L6
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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, Sn, Sr and W.

ANALYST: _____

REPORT #: 900530 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: SEPT 07 1990 | DATE OUT: OCT 03 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
901240	0.3	0.19	<3	44	<3	0.10	2.7	12	167	843	4.67	0.06	0.09	179	48	0.01	122	0.01	48	13	4	5	<5	<3	73
901241	0.2	0.09	<3	116	<3	0.04	1.7	5	148	750	1.61	0.02	0.03	72	29	<0.01	12	<0.01	8	10	2	8	<5	<3	24
901242	<0.1	0.15	<3	64	<3	0.09	1.8	7	143	840	1.66	0.03	0.02	64	26	<0.01	11	0.01	8	9	<2	13	<5	<3	19
901243	<0.1	0.38	<3	102	<3	0.21	1.3	8	155	216	1.59	0.04	0.03	79	25	<0.01	12	0.03	<2	6	2	26	<5	<3	16
901244	0.7	1.16	<3	74	<3	0.18	4.1	57	139	995	5.43	0.11	0.05	269	38	0.03	50	0.04	85	2	8	21	<5	<3	258
901245	<0.1	1.24	<3	567	<3	0.79	2.0	14	99	452	4.43	0.15	0.06	404	27	0.02	31	0.03	<2	<2	5	52	<5	<3	41
901246	0.2	0.97	<3	416	<3	1.04	2.2	28	105	817	3.90	0.16	0.04	416	19	0.02	27	0.06	<2	2	5	59	<5	<3	54
901247	2.3	0.81	<3	205	<3	0.59	1.8	45	75	3020	3.06	0.12	0.03	233	71	0.02	43	0.05	<2	<2	5	50	<5	<3	41
901248	<0.1	0.74	513	56	<3	0.11	1.6	20	83	263	4.66	0.09	0.02	59	15	0.02	32	0.02	<2	9	5	24	<5	<3	18
901249	0.2	0.60	<3	79	<3	0.07	1.5	21	66	172	3.55	0.06	0.02	42	11	0.01	26	0.02	10	6	4	21	<5	<3	13
901250	0.1	1.07	<3	196	<3	0.44	2.9	32	78	427	5.17	0.14	0.06	296	39	0.02	18	0.03	<2	3	6	42	<5	<3	45
901251	0.3	0.91	<3	110	<3	0.57	3.7	22	83	892	7.20	0.18	0.04	367	23	0.03	30	0.03	<2	5	7	41	<5	<3	55
901252	0.6	1.35	<3	75	<3	0.66	3.7	71	75	2485	>10.00	0.27	0.05	346	34	0.03	53	0.07	<2	6	10	57	<5	<3	87
901253	0.3	0.90	<3	121	<3	0.57	4.0	39	87	1079	>10.00	0.32	0.08	418	33	0.04	42	0.11	6	19	13	54	<5	<3	89
901254	0.1	0.88	<3	118	<3	0.64	4.8	30	84	429	>10.00	0.30	0.07	413	22	0.04	30	0.08	16	14	11	53	<5	<3	73
901255	<0.1	1.47	<3	305	<3	1.32	4.4	25	65	380	>10.00	0.34	0.14	486	30	0.04	16	0.15	<2	9	11	89	<5	<3	68
901256	1.3	1.37	191	139	<3	0.37	1.2	53	70	1516	5.30	0.13	0.06	204	35	0.02	22	0.06	<2	<2	7	61	<5	<3	68
901257	0.4	1.37	<3	174	<3	0.42	3.1	47	58	518	5.89	0.14	0.07	280	18	0.02	14	0.03	<2	<2	7	50	<5	<3	46
901258	0.1	1.12	<3	225	<3	0.98	1.7	14	68	273	6.73	0.21	0.11	456	22	0.03	10	0.06	<2	5	7	76	<5	<3	45
901259	<0.1	0.58	<3	118	<3	0.26	3.1	13	81	299	7.26	0.16	0.04	398	23	0.02	14	0.04	7	9	6	23	<5	<3	39
901260	0.2	0.55	21	166	<3	0.15	2.0	8	127	656	2.70	0.06	0.04	283	20	0.01	<1	0.02	38	3	3	28	<5	<3	64
901261	0.3	0.50	86	186	<3	0.06	1.6	5	102	213	2.60	0.05	0.04	120	22	0.01	<1	0.02	90	5	3	36	<5	<3	86
901262	0.1	1.08	<3	242	<3	0.35	2.1	20	92	504	6.05	0.14	0.09	264	29	0.02	<1	0.03	<2	4	6	46	<5	<3	46
901263	0.2	0.82	<3	272	<3	0.42	3.8	24	113	726	8.51	0.19	0.10	253	49	0.03	4	0.03	<2	8	8	41	<5	<3	56
901264	<0.1	0.23	<3	189	<3	0.02	2.5	9	137	652	2.42	0.03	0.08	148	26	0.01	<1	0.01	32	25	2	27	<5	<3	52
901265	<0.1	0.15	<3	116	<3	<0.01	1.4	3	157	67	1.32	0.01	0.04	97	3	<0.01	<1	<0.01	13	13	<2	12	<5	<3	10
901266	<0.1	0.17	<3	97	<3	<0.01	1.3	5	138	145	2.72	0.04	0.08	223	11	0.01	<1	<0.01	13	13	2	8	<5	<3	26
901267	<0.1	0.27	<3	97	<3	<0.01	2.8	18	148	1185	4.45	0.06	0.05	214	6	0.01	31	<0.01	20	11	3	9	<5	<3	42
901268	0.2	0.25	<3	55	<3	0.04	2.8	27	149	1298	6.47	0.10	0.02	217	15	0.02	47	<0.01	27	12	5	7	<5	<3	51
901269	0.8	0.30	<3	262	<3	0.04	3.3	35	132	2554	6.12	0.10	0.04	226	14	0.02	37	0.01	13	20	5	16	<5	<3	47
901270	<0.1	0.30	<3	71	<3	0.13	2.6	10	139	227	4.69	0.07	0.06	217	19	0.01	6	0.02	4	8	3	8	<5	<3	26
901271	0.3	0.13	27	123	<3	<0.01	2.2	12	150	1112	4.04	0.04	0.04	144	17	0.01	10	<0.01	21	16	3	6	<5	<3	38
901272	0.1	0.14	7	32	<3	0.04	3.2	23	185	1031	7.88	0.13	0.08	381	20	0.02	43	0.01	34	35	5	6	<5	<3	49
901273	0.2	0.20	<3	45	<3	<0.01	2.4	19	172	874	3.94	0.05	0.10	181	9	0.01	6	0.02	10	16	3	5	<5	<3	32
901274	<0.1	0.10	<3	38	<3	<0.01	1.4	<1	157	105	0.49	<0.01	<0.01	36	24	<0.01	<1	<0.01	10	11	<2	5	<5	<3	5
901275	<0.1	0.09	<3	22	<3	<0.01	1.3	<1	140	202	0.10	<0.01	<0.01	<1	14	<0.01	<1	<0.01	23	13	<2	2	<5	<3	5
901276	1.5	0.10	87	221	<3	<0.01	2.2	64	145	3358	4.55	0.06	0.09	166	19	0.02	31	<0.01	19	15	3	10	<5	<3	43
901277	0.5	0.21	7	94	<3	<0.01	2.3	73	166	626	5.34	0.07	0.06	108	11	0.02	34	<0.01	13	9	4	9	<5	<3	40
901278	3.1	0.13	32	104	<3	<0.01	3.5	86	167	8465	6.80	0.09	0.08	231	57	0.03	90	<0.01	15	20	5	7	<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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Phi(604)251-5656 Faxi(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, Sn, Sr and W.

ANALYST: _____

REPORT #: 900530 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: SEPT 07 1990 | DATE OUT: OCT 03 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
901279	1.8	0.13	136	86	<3	0.11	0.5	91	164	3810	5.71	0.08	0.09	238	39	0.02	94	<0.01	18	31	5	12	<5	<3	65
901280	1.9	0.12	<3	93	<3	0.12	1.4	83	148	3120	7.52	0.11	0.07	179	37	0.02	86	<0.01	19	25	6	8	<5	<3	50
901281	2.0	0.17	<3	47	<3	0.12	1.5	26	162	3693	8.59	0.13	0.06	175	179	0.02	66	<0.01	20	21	6	7	<5	<3	60
901282	3.0	0.17	<3	148	<3	0.12	3.4	43	179	7233	8.68	0.14	0.08	205	317	0.03	96	<0.01	12	19	7	11	<5	<3	94
901283	1.0	0.18	<3	290	<3	0.15	2.3	32	137	3135	7.49	0.12	0.12	253	41	0.02	67	<0.01	25	36	6	18	<5	<3	74
901284	2.0	0.07	93	132	<3	0.16	0.2	52	175	6402	5.53	0.09	0.10	232	64	0.02	70	<0.01	24	34	4	10	<5	<3	66
901285	0.2	0.10	39	309	<3	0.14	<0.1	23	195	869	4.03	0.06	0.11	207	15	<0.01	43	0.02	22	12	3	12	<5	<3	34
901286	0.2	0.11	57	363	<3	0.12	1.2	20	163	1152	4.12	0.06	0.13	215	21	<0.01	48	0.01	21	17	3	15	<5	<3	38
901287	0.2	0.25	<3	520	<3	0.15	0.2	31	157	1415	5.14	0.08	0.16	279	20	0.01	68	<0.01	18	16	4	23	<5	<3	52
901288	<0.1	0.19	<3	412	<3	0.20	1.1	40	164	534	4.98	0.09	0.13	258	24	0.01	79	0.01	12	16	4	22	<5	<3	40
901289	0.5	0.03	120	503	<3	0.14	0.5	21	159	1081	2.94	0.05	0.10	293	7	<0.01	46	0.01	28	14	3	20	<5	<3	35
901290	<0.1	0.08	11	424	<3	0.11	1.2	24	160	956	3.28	0.05	0.08	176	16	<0.01	47	<0.01	14	12	2	16	<5	<3	33
901291	0.1	0.12	<3	267	<3	0.18	1.6	45	138	1178	7.29	0.12	0.10	253	12	0.01	86	<0.01	11	13	5	18	<5	<3	56
901292	<0.1	0.10	<3	249	<3	0.14	0.9	29	134	1393	4.12	0.06	0.07	172	15	<0.01	59	<0.01	18	13	3	13	<5	<3	34
901293	0.2	0.09	<3	680	<3	0.12	0.8	20	169	1109	5.27	0.08	0.13	264	11	0.02	75	<0.01	79	23	5	30	<5	<3	43
901294	0.3	1.88	<3	24	<3	0.33	3.8	143	79	1654	>10.00	0.27	0.30	136	22	0.03	198	0.03	36	11	13	66	<5	<3	66
901295	<0.1	1.47	<3	40	<3	0.25	3.2	80	80	1141	>10.00	0.26	0.17	114	31	0.03	175	0.07	<2	12	12	46	<5	<3	38
901296	<0.1	0.66	1056	33	<3	0.13	<0.1	43	94	435	6.99	0.13	0.02	55	25	0.01	107	0.04	8	12	6	47	<5	<3	59
901297	<0.1	1.30	96	14	<3	0.21	3.1	75	70	707	>10.00	0.25	0.08	208	40	0.03	140	0.05	<2	14	11	45	<5	<3	43
901298	<0.1	1.50	<3	173	<3	0.42	3.8	35	68	203	>10.00	0.31	0.15	532	32	0.04	166	0.11	2	11	12	56	<5	<3	79
901299	<0.1	1.51	<3	186	<3	0.44	3.2	26	77	172	>10.00	0.30	0.15	372	75	0.04	71	0.12	<2	13	12	65	<5	<3	51
901300	<0.1	0.75	<3	78	<3	0.36	1.1	59	71	550	7.54	0.17	0.06	334	21	0.02	73	0.08	11	8	6	55	<5	<3	77
901301	0.2	0.53	<3	38	<3	0.38	1.2	62	77	583	7.29	0.17	0.04	229	26	0.02	119	0.10	15	13	6	79	<5	<3	39
901302	<0.1	1.52	<3	62	<3	0.19	0.4	17	62	106	3.63	0.08	0.88	100	12	0.02	23	0.05	<2	<2	6	32	<5	<3	13
901303	<0.1	1.84	<3	67	<3	0.34	0.3	21	67	76	3.87	0.11	0.84	207	14	0.02	20	0.06	<2	<2	7	38	<5	<3	18
901304	<0.1	1.80	<3	52	<3	0.42	<0.1	19	60	62	4.06	0.11	1.11	200	13	0.02	19	0.03	<2	<2	7	48	<5	<3	19
901305	<0.1	2.08	<3	49	<3	0.38	<0.1	18	61	25	3.63	0.10	1.52	205	15	0.01	19	0.07	<2	<2	7	28	<5	<3	16
901306	<0.1	2.52	<3	41	<3	0.24	0.2	17	74	14	4.58	0.10	1.78	241	14	0.02	20	0.06	<2	<2	9	22	<5	<3	22
901307	<0.1	2.65	<3	106	<3	2.27	0.2	18	78	534	3.17	0.20	1.03	341	23	0.03	27	0.06	<2	<2	8	55	<5	<3	45
901308	<0.1	1.08	41	56	<3	0.92	0.4	13	54	785	3.06	0.12	0.07	101	21	0.02	14	0.09	<2	9	4	52	<5	<3	21
901309	0.2	0.87	206	20	<3	0.38	0.2	11	59	1157	2.44	0.07	0.07	147	26	0.02	9	0.07	<2	28	4	52	<5	<3	22
901310	<0.1	0.95	<3	60	<3	0.30	0.4	14	57	134	3.84	0.08	0.02	56	8	0.01	10	0.09	<2	6	5	41	<5	<3	10
901311	<0.1	1.02	<3	50	<3	0.22	0.3	34	73	203	6.18	0.12	0.02	91	15	0.02	35	0.06	<2	7	6	75	<5	<3	23
901312	<0.1	0.87	220	174	<3	0.29	<0.1	7	61	156	0.76	0.04	0.01	54	8	<0.01	<1	0.09	<2	<2	3	81	<5	<3	7
901313	<0.1	0.32	<3	94	<3	0.07	<0.1	6	131	206	2.20	0.04	0.02	107	15	<0.01	16	0.01	<2	15	2	26	<5	<3	11
901314	0.1	0.10	<3	42	<3	0.14	0.7	71	141	480	4.66	0.09	0.02	85	8	<0.01	27	0.05	10	27	4	25	14	<3	26
901315	<0.1	<0.01	<3	241	<3	0.02	<0.1	7	163	100	1.00	<0.01	0.01	86	20	<0.01	<1	<0.01	12	12	<2	16	<5	4	9
901316	0.1	0.14	26	80	<3	0.06	<0.1	14	144	1808	1.22	0.02	0.02	87	26	<0.01	13	0.02	3	33	<2	16	<5	<3	16
901317	0.2	0.82	<3	84	<3	0.28	<0.1	44	71	872	3.75	0.08	0.03	200	100	0.01	41	0.05	<2	3	4	53	11	<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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

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ICAP GEOCHEMICAL ANALYSIS

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This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900530 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: SEPT 07 1990 | DATE OUT: OCT 03 1990 | ATTENTION: MR. BILL OSBORNE |

Sample Name	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
901318	0.1	2.06	<3	88	<3	1.59	2.0	34	63	910	5.82	0.22	0.08	456	31	0.04	64	0.06	<2	<2	10	142	<5	<3	28
901319	<0.1	1.07	<3	141	<3	2.00	1.5	31	53	271	3.69	0.19	0.04	333	21	0.03	34	0.09	<2	<2	6	104	<5	<3	14
901320	<0.1	1.16	<3	75	<3	0.41	2.1	37	51	557	5.30	0.13	0.04	132	16	0.02	62	0.05	<2	<2	8	63	<5	<3	17
901321	0.4	1.05	<3	68	<3	0.21	3.3	105	74	2457	8.89	0.17	0.03	197	35	0.02	79	0.05	<2	7	10	68	<5	<3	45
901322	<0.1	1.04	<3	57	<3	0.19	1.8	66	70	990	6.07	0.12	0.03	132	22	0.02	84	0.07	<2	2	7	99	<5	<3	24
901323	<0.1	1.25	<3	69	<3	0.27	1.5	20	51	423	1.74	0.05	0.32	151	28	0.01	22	0.06	<2	<2	5	48	8	<3	98
901324	<0.1	0.95	<3	105	<3	0.61	0.7	16	53	58	2.37	0.10	0.01	94	101	0.02	6	0.09	<2	<2	4	49	72	<3	7
901325	<0.1	1.47	<3	166	<3	1.34	1.2	8	50	48	0.72	0.13	0.02	175	267	0.03	4	0.14	<2	<2	4	78	14	<3	5
901326	<0.1	1.24	<3	147	<3	2.34	1.9	38	63	1201	4.79	0.24	0.07	595	379	0.06	52	0.06	<2	3	8	96	<5	<3	28
901327	0.3	0.77	<3	101	<3	0.25	1.4	39	69	1112	3.76	0.09	0.05	201	38	0.02	35	0.04	<2	7	5	40	<5	<3	22
901328	<0.1	0.11	<3	206	<3	0.03	1.2	18	142	299	0.74	<0.01	<0.01	50	34	<0.01	8	<0.01	<2	18	<2	15	<5	<3	10
901329	<0.1	0.11	<3	305	<3	<0.01	1.3	3	153	196	0.66	<0.01	<0.01	60	43	<0.01	4	<0.01	12	15	<2	12	<5	<3	11
901330	<0.1	0.03	<3	207	<3	0.19	0.8	2	182	136	0.46	0.01	<0.01	35	17	<0.01	4	0.08	<2	11	<2	12	<5	<3	4
901331	0.3	0.12	6	237	<3	0.10	1.4	6	190	2371	1.12	0.01	<0.01	56	208	<0.01	13	0.04	86	88	<2	18	<5	<3	47
901332	<0.1	0.02	<3	77	<3	<0.01	1.1	5	203	75	1.21	<0.01	<0.01	116	40	<0.01	8	<0.01	9	10	<2	5	<5	<3	5
901333	<0.1	0.02	<3	41	<3	<0.01	1.1	1	185	24	0.39	<0.01	<0.01	31	25	<0.01	4	<0.01	4	10	<2	4	<5	<3	3
901334	<0.1	0.10	<3	173	<3	<0.01	1.2	6	187	165	0.93	<0.01	<0.01	35	30	<0.01	4	<0.01	10	14	<2	12	<5	<3	6
901335	0.4	1.02	<3	160	<3	0.12	2.9	16	167	225	1.96	0.03	1.04	361	24	0.02	22	0.02	3	2	8	10	<5	<3	303
901336	<0.1	0.14	<3	563	<3	<0.01	0.9	2	211	42	0.50	<0.01	<0.01	41	37	<0.01	6	<0.01	33	11	<2	23	<5	<3	16
901337	0.1	0.24	<3	278	<3	0.02	0.7	8	187	309	1.11	0.02	0.02	79	20	<0.01	2	<0.01	27	30	<2	23	<5	<3	22
901338	<0.1	0.12	<3	389	<3	0.11	0.4	2	173	140	0.59	<0.01	0.03	103	21	<0.01	5	0.01	<2	14	<2	18	<5	<3	11
901339	0.4	0.30	23	89	<3	0.47	0.5	24	113	1297	1.96	0.08	0.05	150	205	0.04	19	0.02	56	12	2	36	43	<3	39
901340	1.3	0.35	175	28	<3	0.94	2.1	65	135	3310	4.77	0.18	0.07	172	535	0.06	58	0.08	14	10	5	27	97	<3	41
901341	1.2	0.44	466	69	<3	0.49	0.9	19	150	4237	2.77	0.11	0.08	136	218	0.05	25	0.10	11	26	3	23	38	<3	37
901342	1.8	0.26	430	55	<3	0.15	1.7	24	161	3131	3.23	0.08	0.06	145	327	0.07	39	0.02	242	126	3	13	53	<3	71
901343	0.6	0.14	315	159	<3	0.05	3.7	26	171	2460	2.28	0.04	0.05	189	172	0.05	31	0.01	1056	511	2	18	28	<3	234
901344	0.6	0.19	52	234	<3	0.28	0.9	17	214	673	2.03	0.05	0.11	295	104	0.03	38	0.02	32	65	2	35	<5	<3	32
901345	0.1	0.05	<3	105	<3	0.02	0.9	11	181	285	2.02	0.01	0.05	130	18	<0.01	6	<0.01	17	24	<2	6	<5	<3	17
901346	0.1	0.07	<3	57	<3	0.02	<0.1	8	173	564	3.33	0.03	0.06	182	27	<0.01	10	<0.01	9	25	3	4	<5	<3	22
901347	<0.1	0.03	69	58	<3	<0.01	0.3	7	160	834	1.60	<0.01	0.05	152	20	<0.01	1	<0.01	15	46	<2	4	<5	<3	20
901348	<0.1	0.04	<3	108	<3	<0.01	0.2	7	176	243	1.71	<0.01	0.04	205	23	<0.01	<1	<0.01	8	23	<2	6	<5	<3	18
901349	0.2	0.16	140	229	<3	0.10	1.1	17	185	1211	4.26	0.06	0.10	622	21	<0.01	17	<0.01	8	34	4	13	<5	<3	46
901350	0.2	0.11	41	321	<3	0.05	1.4	16	175	704	3.62	0.04	0.07	423	72	<0.01	18	<0.01	19	34	3	17	<5	<3	36
901351	<0.1	0.11	<3	304	<3	0.04	0.3	9	161	383	2.50	0.03	0.07	409	50	<0.01	3	0.01	13	24	<2	17	<5	<3	31
901352	<0.1	0.15	<3	296	<3	0.04	0.4	8	167	262	2.77	0.04	0.07	526	37	<0.01	<1	<0.01	17	22	3	15	<5	<3	35
901353	<0.1	0.09	<3	63	<3	0.02	0.5	6	165	147	2.56	0.02	0.08	130	13	<0.01	<1	<0.01	11	25	<2	6	<5	<3	28
901354	0.2	0.14	<3	57	<3	0.05	1.3	10	163	225	3.86	0.05	0.12	147	20	<0.01	7	<0.01	3	24	3	7	<5	<3	45
901355	<0.1	0.08	<3	501	<3	0.07	1.1	17	159	265	3.95	0.05	0.10	176	12	<0.01	20	<0.01	8	25	3	20	<5	<3	35
901356	<0.1	0.33	<3	>1000	<3	0.09	1.9	23	167	303	5.65	0.09	0.08	248	41	<0.01	33	0.01	7	15	4	53	<5	<3	39
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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

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ANALYST:

REPORT #: 900530 PA ALPINE EXPLORATION CORP. PROJECT: NONE GIVEN DATE IN: SEPT 07 1990 DATE OUT: OCT 03 1990 ATTENTION: MR. BILL OSBORNE

Sample Name	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
901357	0.4	0.33	<3	759	<3	0.21	2.8	77	165	866	7.79	0.14	0.10	478	126	0.02	125	0.01	14	20	7	39	<5	<3	58
901358	0.3	0.26	<3	311	<3	0.15	3.3	56	157	712	6.47	0.10	0.06	255	34	0.02	74	<0.01	6	18	5	19	<5	<3	43
901359	0.2	0.11	<3	61	<3	0.11	0.7	19	172	278	4.33	0.07	0.06	203	10	0.01	48	<0.01	15	18	4	8	<5	<3	30
901360	0.5	0.12	<3	102	<3	1.09	0.1	15	158	282	3.54	0.14	0.11	339	213	0.02	32	0.37	28	63	3	20	<5	<3	33
901361	0.2	0.39	<3	58	<3	0.23	2.5	16	171	680	6.48	0.11	0.08	248	14	0.02	56	<0.01	3	20	5	11	<5	<3	40
901362	1.8	0.33	<3	123	<3	0.30	5.8	41	156	861	8.53	0.16	0.14	345	22	0.02	88	0.01	13	124	7	16	<5	<3	98
901363	0.5	0.21	<3	24	<3	0.21	2.7	27	152	678	7.01	0.13	0.15	270	17	0.02	71	<0.01	13	54	6	8	<5	<3	58
901364	0.1	2.15	<3	68	<3	1.32	1.4	18	168	29	3.75	0.17	1.53	518	13	0.09	56	0.05	<2	<2	10	98	<5	<3	58
901365	0.1	1.54	<3	78	<3	0.97	1.4	23	82	55	5.07	0.18	0.69	418	9	0.04	52	0.03	<2	<2	7	44	<5	<3	37
901366	<0.1	1.75	<3	77	<3	0.51	0.8	26	73	41	4.23	0.14	0.89	337	13	0.03	54	0.05	<2	<2	8	37	<5	<3	37
901367	0.2	2.22	<3	131	<3	0.35	1.7	19	76	29	3.54	0.11	1.41	336	11	0.03	47	0.06	<2	<2	8	30	<5	<3	37
901368	0.2	2.71	<3	59	<3	2.52	1.6	27	134	80	3.80	0.22	2.11	1150	16	0.10	59	0.05	<2	<2	11	179	<5	<3	89
901369	0.2	1.42	<3	96	<3	3.01	1.9	26	111	77	3.94	0.26	1.81	870	10	0.04	65	0.05	<2	<2	8	319	<5	<3	70
901370	<0.1	2.02	<3	81	<3	1.89	1.3	26	152	74	3.82	0.21	1.26	548	11	0.08	72	0.06	<2	<2	9	217	<5	<3	71
901371	0.1	1.24	<3	81	<3	3.62	1.9	25	131	56	3.41	0.28	2.05	583	11	0.03	51	0.04	<2	<2	7	262	<5	<3	34
901372	0.1	2.51	<3	90	<3	2.93	1.6	30	159	76	4.06	0.26	1.87	784	15	0.07	80	0.06	<2	<2	11	129	<5	<3	77
901373	<0.1	2.33	<3	78	<3	2.99	1.1	28	122	88	4.18	0.26	2.33	990	12	0.03	74	0.06	<2	<2	10	182	<5	<3	73
901374	<0.1	2.75	<3	88	<3	3.05	1.9	36	174	163	4.45	0.26	2.28	832	17	0.06	99	0.06	<2	<2	12	158	<5	<3	58
901375	0.2	2.34	<3	39	<3	2.23	1.3	25	170	115	4.12	0.22	2.40	884	12	0.04	79	0.06	<2	<2	10	118	<5	<3	72
901376	<0.1	2.10	<3	77	<3	1.68	1.4	30	176	51	4.05	0.20	2.16	693	13	0.05	75	0.06	<2	<2	11	143	<5	<3	80
901377	<0.1	2.35	<3	126	<3	1.93	0.9	36	179	93	4.04	0.23	1.62	474	10	0.09	73	0.06	<2	<2	12	144	<5	<3	54
901378	<0.1	2.08	<3	117	<3	1.64	1.7	30	170	80	4.10	0.22	1.60	372	14	0.07	73	0.06	<2	<2	12	137	<5	<3	46
901379	0.3	0.03	<3	311	<3	0.08	0.2	6	184	600	1.28	<0.01	0.06	134	10	<0.01	29	<0.01	5	16	<2	11	<5	<3	19
901380	1.7	<0.01	203	60	<3	0.08	1.2	40	164	10736	3.76	0.05	0.09	478	128	0.01	88	<0.01	<2	33	3	5	<5	<3	63
901381	0.1	0.03	<3	34	<3	0.20	<0.1	3	148	226	0.63	0.02	0.03	124	4	<0.01	24	<0.01	8	9	<2	6	<5	<3	7
901382	0.2	0.04	<3	31	<3	0.21	<0.1	2	156	130	0.56	0.02	0.02	124	18	<0.01	25	<0.01	6	7	<2	5	<5	<3	6
901383	0.2	0.07	<3	147	<3	0.08	<0.1	3	154	259	0.70	<0.01	0.02	95	11	<0.01	27	<0.01	<2	8	<2	8	<5	<3	8
901384	<0.1	0.04	<3	92	<3	0.03	0.3	2	158	280	0.59	<0.01	0.02	92	21	<0.01	24	<0.01	3	20	<2	6	<5	<3	13
901385	0.2	0.05	<3	79	<3	0.04	<0.1	4	151	303	0.92	<0.01	0.03	140	11	<0.01	29	<0.01	27	34	<2	6	<5	<3	21
901386	0.2	0.03	19	359	<3	0.02	<0.1	3	152	398	0.78	<0.01	0.02	131	7	<0.01	24	<0.01	<2	15	<2	14	<5	<3	10
901387	<0.1	0.07	<3	201	<3	0.04	<0.1	4	168	263	1.06	<0.01	0.05	174	21	<0.01	28	<0.01	2	21	<2	11	<5	<3	17
901388	<0.1	0.04	<3	32	<3	0.05	<0.1	3	146	181	0.83	<0.01	0.03	161	4	<0.01	24	<0.01	<2	12	<2	7	<5	<3	14
901389	<0.1	0.07	<3	44	<3	0.30	<0.1	3	130	225	0.93	0.02	0.04	209	14	<0.01	187	0.05	4	7	<2	11	<5	<3	16
901390	<0.1	0.06	<3	60	<3	0.07	<0.1	2	156	220	0.89	<0.01	0.03	161	8	<0.01	28	<0.01	<2	9	<2	9	<5	<3	13
901391	<0.1	0.08	<3	18	<3	0.17	<0.1	2	135	157	1.03	0.02	0.04	237	7	<0.01	25	<0.01	<2	8	<2	9	<5	<3	17
901392	<0.1	0.07	<3	21	<3	0.25	<0.1	4	167	566	1.35	0.03	0.09	273	19	<0.01	32	<0.01	<2	9	<2	11	<5	<3	20
901393	<0.1	0.04	<3	23	<3	0.08	0.4	2	152	212	0.98	<0.01	0.06	172	11	<0.01	235	<0.01	<2	7	<2	6	<5	<3	15
901394	0.2	0.71	<3	393	<3	0.74	1.3	15	76	333	4.18	0.14	0.04	217	17	0.02	36	0.12	<2	5	4	84	<5	<3	33
901395	0.2	0.65	<3	209	<3	0.34	0.5	13	68	279	4.44	0.11	0.03	227	12	0.01	33	0.07	<2	8	5	40	<5	<3	44
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) - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED
1630 Pandora Street, Vancouver, B.C. V5L 1L6
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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, Sn, Sr and W.

ANALYST: _____

REPORT #: 900530 PA | ALPINE EXPLORATION CORP. | PROJECT: NONE GIVEN | DATE IN: SEPT 07 1990 | DATE OUT: OCT 03 1990 | ATTENTION: MR. BILL OSBORNE | PAGE 5 OF 5

Sample Name	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
901396	0.4	0.82	<3	155	<3	0.33	1.8	11	81	288	3.48	0.10	0.02	207	22	0.02	13	0.05	23	3	5	46	<5	<3	87
901397	0.1	0.66	<3	139	<3	0.40	3.0	16	75	335	8.54	0.19	0.04	407	22	0.03	93	0.04	6	12	7	32	<5	<3	56
901398	<0.1	0.48	<3	127	<3	1.27	1.5	4	78	149	1.43	0.13	0.04	653	6	0.03	14	0.07	<2	4	<2	71	<5	<3	14
901399	0.2	0.57	<3	85	<3	0.47	1.7	9	86	139	1.94	0.08	0.04	321	15	0.03	18	0.10	13	<2	2	96	<5	<3	26
901400	0.2	0.42	<3	78	<3	0.61	1.7	6	112	271	2.72	0.10	0.07	566	15	0.02	15	0.10	<2	3	2	45	<5	<3	25
901401	0.4	0.38	<3	112	<3	0.96	2.3	17	91	338	4.48	0.15	0.07	838	8	0.02	28	0.08	<2	9	4	70	<5	<3	27
901402	0.5	0.50	<3	77	<3	1.24	2.4	29	141	267	5.59	0.19	0.07	889	16	0.03	46	0.07	<2	8	5	100	<5	<3	37
901403	0.4	0.43	<3	152	<3	1.52	2.5	16	94	621	3.99	0.17	0.08	793	8	0.03	28	0.06	<2	6	3	121	<5	<3	34
901404	0.3	0.81	<3	139	<3	1.54	2.5	15	100	357	4.08	0.19	0.11	721	15	0.04	37	0.13	<2	<2	4	194	<5	<3	34
901405	0.1	0.76	<3	161	<3	1.78	1.8	9	107	140	2.42	0.16	0.08	586	8	0.03	21	0.16	<2	<2	3	208	<5	<3	27
901406	3.6	0.65	<3	126	<3	1.18	1.9	27	76	504	2.26	0.12	0.05	452	17	0.02	36	0.09	54	2	3	208	<5	<3	71
901407	0.3	0.70	<3	103	<3	0.59	1.6	21	63	356	1.97	0.08	0.04	248	15	0.02	28	0.06	4	<2	2	156	<5	<3	29
901408	0.2	0.94	<3	117	<3	0.93	1.8	23	79	241	2.73	0.11	0.24	205	16	0.01	36	0.16	<2	<2	4	195	<5	<3	22
901409	0.1	0.79	<3	88	<3	0.49	1.3	28	52	419	2.24	0.07	0.17	103	12	0.01	23	0.04	<2	<2	3	49	<5	<3	21
901410	0.2	0.86	<3	112	<3	1.27	1.4	19	60	315	3.11	0.13	0.42	238	17	0.02	31	0.05	<2	<2	4	79	<5	<3	32
901411	0.3	0.82	<3	48	<3	0.29	3.0	16	76	867	5.11	0.10	0.12	130	12	0.02	33	0.06	<2	6	5	69	<5	<3	25
901412	0.4	1.74	13	92	<3	0.36	2.2	32	73	767	5.34	0.10	0.18	161	24	0.02	38	0.09	<2	<2	7	49	<5	<3	35
901413	<0.1	1.43	<3	45	<3	0.27	3.1	32	70	410	4.67	0.08	0.07	100	17	0.02	54	0.07	<2	<2	6	63	<5	<3	24
901414	<0.1	1.71	<3	142	<3	1.68	2.2	15	64	211	3.25	0.18	0.83	518	18	0.02	27	0.04	<2	<2	6	82	<5	<3	46
901415	0.2	0.63	<3	94	<3	1.56	1.7	16	68	487	2.62	0.15	0.63	410	12	0.02	29	0.04	6	3	4	92	<5	<3	39
901416	0.2	1.79	<3	72	<3	3.67	2.1	22	64	409	4.52	0.26	0.88	772	17	0.05	38	0.06	<2	<2	7	103	<5	<3	78
901417	<0.1	2.94	<3	64	<3	1.65	2.8	24	100	470	4.56	0.21	1.98	815	22	0.05	42	0.07	<2	<2	12	185	<5	<3	77
901418	<0.1	1.95	<3	67	<3	1.50	3.2	16	102	294	5.39	0.21	1.13	698	20	0.04	33	0.06	<2	<2	10	79	<5	<3	57
901419	<0.1	1.57	<3	45	<3	1.22	1.9	16	61	691	2.21	0.13	0.89	448	14	0.03	24	0.03	<2	<2	5	50	<5	<3	44
901420	0.1	1.82	<3	40	<3	1.19	2.9	26	87	1301	3.15	0.14	1.09	449	24	0.05	40	0.04	<2	<2	8	114	<5	<3	66
901421	<0.1	2.23	<3	46	<3	1.13	3.0	37	100	1342	3.77	0.14	1.27	458	20	0.04	41	0.05	<2	<2	10	55	<5	<3	78
901422	<0.1	3.59	81	79	<3	1.68	3.6	27	94	636	3.93	0.19	1.58	604	27	0.07	38	0.16	<2	<2	12	74	<5	<3	73
901423	0.3	4.45	<3	93	<3	2.47	4.0	34	90	825	4.11	0.22	1.65	884	25	0.14	42	0.06	<2	<2	13	224	<5	<3	88
901424	<0.1	5.41	<3	79	<3	2.55	1.4	30	86	683	4.30	0.25	1.74	861	24	0.20	43	0.06	<2	<2	15	305	<5	<3	72
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 > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VGC VANGEOCHEM LAB LIMITED

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

REPORT NUMBER: 900088 GA JOB NUMBER: 900088 WESTPINE METALS LTD.

SAMPLE #	Au ppb
539B	10
90004	20
90007	30
90008	50
90009	50
90011	100
90014	30
90015	10
90016	20
90018	100
90019	10
90020	30
90024	30

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

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REPORT NUMBER: 900096 GA JOB NUMBER: 900096 **ALPINE EXPLORATION CORP.**

SAMPLE #	Au ppb
527A	90
539A	20
539C	nd
540A	nd
540B	nd
90001	nd
90002	110
90003	60
90005	20
90006	40
90010	20
90012	60
90013	40
90017	50
90017A	30
90017B	20
90021	20
90022	30
90023	20
90025	40
90026	80
90027	30
90027A	30
90027B	10
90027C	50
90028	110
90028A	20
90028B	80
90029	50
90030	30
90031	40
90032	70
90033	1060
90034	40
90035	50
90036	50
90037	80
90038	50
90039	30
DETECTION LIMIT	5

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

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SAMPLE #	Au ppb
90040	50
90041	150
90042	40
90043	120
90044	80
90045	700
90046	130
90047	500
90048	50
90049	20
90050	30
90051	10
90052	10
90053	50
90054	20
90055	100
90056	70
90057	110
90058	270
90059	30
90060	30
90061	80
90062	50
90063	70
90064	70
90065	1210
90066	570
90067	720
90068	840
90069	1310
90070	600
90071	770
90072	450
90073	520
90074	440
90075	2200
90076	2610
90077	2000
90078	1680

DETECTION LIMIT 5
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SAMPLE #	Au ppb
90079	1160
90080	1300
90081	1570
90082	1320
90083	5000
90084	6200
90085	4800
90086	590
90087	1350
90088	2500
90089	710
90090	5000
90091	1480
90092	850
90093	1000
90094	380
90095	110
90096	40
90097	90
90098	210
90099	40
90100	40
90101	40
90102	20
90103	10
90104	10
90105	30
90106	20
90107	60
90108	50
90109	50
90110	490
90111	600
90112	50
90113	20
90114	50
90115	100
90116	1400
90117	70
DETECTION LIMIT	5

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

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REPORT NUMBER: 900096 GA JOB NUMBER: 900096 ALPINE EXPLORATION CORP. PAGE 4 OF 4

SAMPLE #	Au ppb
90118	50
90119	80
90120	50
90121	100

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

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REPORT NUMBER: 900103 GA JOB NUMBER: 900103 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
90122	430
90123	560
90124	730
90125	1240
90126	970
90127	700
90128	2000
90129	480
90130	380
90131	80
90132	220
90133	580
90134	370
90135	330
90136	580
90137	100
90138	120
90139	50
90140	200

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

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
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RENO, NEVADA, U.S.A.

REPORT NUMBER: 900112 GA JOB NUMBER: 900112 **ALPINE EXPLORATION CORP.**

SAMPLE #	Au ppb
90014A	20
90014B	30
90014C	30
90141	450
90142	430
90143	280
90144	40
90145	200
90146	180
90147	100
90148	30
90150	90
90151	40
90152	510
90153	80
90154	60
90155	560
90156	140
90157	770
90158	1090
90159	440
90160	860
90161	870
90163	970
90164	830
90165	880
90166	1270
90167	750
90168	340
90169	1370
90170	1730
90171	1430
90172	1450
90173	480
90174	1490
90175	660
90176	390
90177	390
90178	690
DETECTION LIMIT	5

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

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SAMPLE #	Au ppb
90179	330
90180	250
90181	450
90182	80
90183	70
90184	100
90185	70
90186	70
90187	70
90188	40
90189	nd
90190	130
90191	70
90192	20
90193	160
90194	40
90195	10
90196	nd
90197	20
90198	nd
90199	nd
90200	nd
90201	nd
90202	nd
90203	60
90204	30
90205	nd
90206	60
90207	320
90208	20
90209	110
90210	20
90211	1100
90212	90
90213	110
90214	110
90215	110
90216	330
90217	280
DETECTION LIMIT	5

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

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 900112 GA JOB NUMBER: 900112 **ALPINE EXPLORATION CORP.**

SAMPLE #	Au ppb
90218	90
90219	90
90220	30
90221	60
90222	60
90223	290
90224	70
90225	80
90226	120
90227	170
90228	40
90229	30
90230	70
90231	180
90232	80
90233	90
90234	140
90235	650
90236	250
90237	nd
90238	nd
90239	nd
90240	180
90241	10
90242	10
90243	180
90244	630
90245	70
90246	150
90247	600
90248	650
90249	420
90250	330
90251	30
90252	30
90253	10
90254	230
90255	10
90256	130
DETECTION LIMIT	5

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

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REPORT NUMBER: 900112 GA JOB NUMBER: 900112 **ALPINE EXPLORATION CORP.**

SAMPLE #	Au ppb
90257	20
90258	220
90259	10
90260	10
90261	10
90262	nd
90263	nd
90264	nd
90265	nd
90266	nd
90267	nd
90268	nd
90269	nd
90270	nd
90271	20
90272	20
90273	10
90274	10
90275	nd
90276	320
90277	30
90278	nd

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

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REPORT NUMBER: 900144 GA JOB NUMBER: 900144 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
90279	30
90280	20
90281	20
90282	20
90283	20
90284	30
90285	100
90286	40
90287	50
90288	60
90289	50
90290	40
90291	80
90292	100
90293	60
90294	40
90295	20
90296	30
90297	430
90298	90
90299	30
90300	40
90301	60
90302	80
90303	50
90304	70
90305	130
90306	10
90307	60
90308	30
90309	110
90310	50
90311	60
90312	30
90313	10
90314	20
90315	70
90316	490
90317	300
DETECTION LIMIT	5

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

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SAMPLE #	Au ppb
90318	10
90319	70
90320	60
90321	110
90322	30
90323	240
90324	700
90325	110
90326	500
90327	110
90328	190
90329	70
90330	70
90331	40
90332	60
90333	70
90334	50
90335	60
90336	550
90337	500
90338	120
90339	580
90340	100
90341	20
90342	40
90343	10
90344	10
90345	10
90346	90
90347	30
90348	20
90349	60
90350	70
90351	40
90352	80
90353	110
90354	110
90355	180
90356	20
DETECTION LIMIT	5

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

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SAMPLE #	Au ppb
90357	190
90358	600
90359	230
90360	50
90361	50
90362	40
90363	90
90364	90
90365	260
90366	230
90367	860
90368	180
90369	140
90370	50
90371	50
90372	20
90373	10
90374	20
90375	40
90376	20
90377	20
90378	50
90379	20
90380	20
90381	10
90382	10
90383	nd
90384	nd
90385	10
90386	10
90387	10
90388	10
90389	10
90390	30
90391	40
90392	30
90393	50
90394	20
90395	30
DETECTION LIMIT	5

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

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SAMPLE #	Au ppb
90396	10
90397	20
90398	300
90399	20
90400	10
90401	70
90402	10
90403	10
90404	30
90405	60
90406	40
90407	190
90408	210
90409	160
90410	560
90411	330
90412	980
90413	730
90414	60
90415	50
90416	40
90417	660
90418	360
90419	460
90420	150
90421	790
90422	30
90423	30
90424	510
90425	60
90426	30
90427	160
90428	50
90429	50
90430	20
90431	20
90432	100
90433	20
90434	10
DETECTION LIMIT	5

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

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SAMPLE #	Au ppb
90435	20
90436	120
90437	50
90438	1320
90439	80
90440	110
90441	70
90442	70
90443	10
90444	20
90445	20
90446	40
90447	30
90448	10
90449	10
90450	nd
90451	10
90452	30
90453	40
90454	40
90455	20
90456	30
90457	30
90458	40
90459	20
90460	30
90461	40
90462	10
90463	40
90464	50
90465	60
90466	100
90467	30
90468	60
90469	80
90470	30
90471	nd
90472	nd
90473	nd
DETECTION LIMIT	5

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

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SAMPLE #	Au ppb
90474	nd
90475	nd
90476	nd
90477	80
90478	20
90479	10
90480	nd
90481	20
90482	170
90483	40
90484	20
90485	nd
90486	nd
90487	nd
90488	nd
90489	nd
90490	100
90491	nd
90492	nd
90493	4000
90494	20
90495	30
90496	40
90497	40
90498	80
90499	380
90500	40
90501	20
90502	40
90503	30
90504	120
90505	370
90506	750
90507	90
90508	140
90509	20
90510	160
90511	600
90512	1200
DETECTION LIMIT	5

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

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SAMPLE #	Au ppb
90513	2240
90514	1220
90515	1620
90516	930
90517	2400
90518	3000
90519	1790
90520	2010
90521	2520
90522	530
90523	150
90524	200
90525	180
90526	200
90527	1450
90528	2160
90529	720
90530	7500
90531	1400
90532	120
90533	150
90534	90
90535	80
90536	90
90537	1640
90538	140
90539	360
90540	470
90541	100
90542	20
90543	1810
90544	540
90545	200
90546	580
90547	nd

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

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REPORT NUMBER: 900209 GA JOB NUMBER: 900209 **ALPINE EXPLORATION CORP.**

SAMPLE #	Au ppb
90000A	30
90000B	10
90000C	10
90096A	nd
90096B	nd
90096C	nd
90548	nd
90549	420
90550	20
90551	nd
90552	nd
90553	150
90554	150
90555	10
90556	20
90557	nd
90558	70
90559	20
90560	10
90561	20
90562	140
90563	90
90564	30
90565	60
90566	110
90567	40
90568	30
90569	20
90570	70
90571	10
90572	40
90573	30
90574	110
90575	90
90576	110
90577	50
90578	530
90579	1450
90580	1240

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

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SAMPLE #	Au ppb
90581	780
90582	570
90583	580
90584	760
90585	2170
90586	2450
90587	1060
90588	6800
90589	670
90590	3800
90591	650
90592	380
90593	940
90594	1710
90595	1340
90596	1250
90597	1360
90598	1520
90599	1350
90600	570
90601	1310
90602	680
90603	200
90604	60
90605	60
90606	50
90607	470
90608	40
90609	450
90610	30
90611	50
90612	40
90613	60
90614	70
90615	110
90616	20
90617	20
90618	20
90619	20
DETECTION LIMIT	5

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

1630 PANDORA STREET
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REPORT NUMBER: 900209 GA JOB NUMBER: 900209 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
90620	60
90621	40
90622	10
90623	20
90624	190
90625	30
90626	30
90627	nd
90628	30
90629	20
90630	20
90631	nd
90632	nd
90633	nd
90634	nd
90635	10
90636	nd
90637	10
90638	nd
90639	20
90640	nd
90641	nd
90642	70
90643	40
90644	50
90645	20
90646	20
90647	nd
90648	10
90649	80
90650	20
90651	80
90652	nd
90653	nd
90654	20
90655	50
90656	10
90657	30
90658	20
DETECTION LIMIT	5

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

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REPORT NUMBER: 900209 GA JOB NUMBER: 900209 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
90659	30
90660	nd
90661	20
90662	40
90663	30
90664	310
90665	40
90666	10
90667	70
90668	170
90669	410
90670	1020
90671	140
90672	160
90673	100
90674	60
90675	60
90676	100
90677	200
90678	250
90679	330
90680	820
90681	760
90682	760
90683	610
90684	400
90685	220
90686	200
90687	250
90688	100
90689	60
90690	300
90691	60
90692	150
90693	110
90694	210
90695	190
90696	250
90697	60

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

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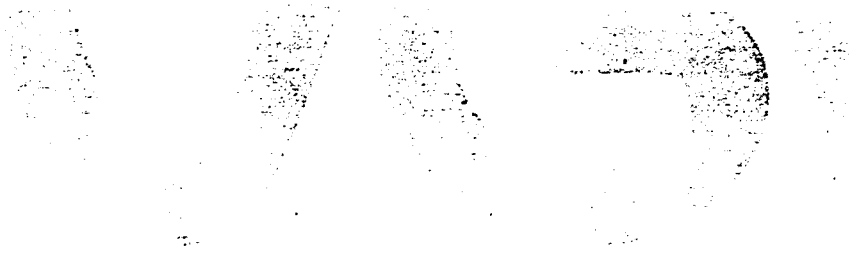
REPORT NUMBER: 900209 GA JOB NUMBER: 900209 **ALPINE EXPLORATION CORP.**

SAMPLE #	Au ppb
90698	170
90699	50
90700	140
90701	70
90702	240
90703	60
90704	110
90705	220
90706	30
90707	30



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

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REPORT NUMBER: 900281 GA JOB NUMBER: 900281 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
90708	30
90709	20
90710	30
90711	20
90712	20
90713	40
90714	40
90715	10
90716	10
90717	20
90718	20
90719	40
90720	30
90721	50
90722	20
90723	40
90724	50
90725	60
90725A	30
90726	40
90727	170
90728	160
90729	80
90730	100
90731	40
90732	70
90733	80
90734	60
90735	100
90736	70
90737	100
90738	60
90739	180
90740	10
90741	40
90742	nd
90743	4100
90744	540
90745	100
DETECTION LIMIT	5

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

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SAMPLE #	Au ppb
90746	30
90747	170
90748	720
90749	360
90750	100
90751	780
90752	280
90753	nd
90754	70
90755	50
90756	10
90757	nd
90758	10
90759	60
90760	50
90761	160
90762	860
90763	180
90764	40
90765	160
90766	1700
90767	2240
90768	1640
90769	940
90770	2800
90771	1020
90772	310
90773	410
90774	90
90775	30
90776	50
90777	180
90778	260
90779	40
90780	70
90781	30
90782	30
90783	10
90784	30
DETECTION LIMIT	5

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

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SAMPLE #	Au ppb
90785	20
90786	20
90787	20
90788	10
90789	20
90790	20
90791	10
90792	260
90793	140
90794	20
90795	20
90796	70
90797	20
90798	120
90799	20
90800	30
90801	60
90802	70
90803	50
90804	50
90805	30
90806	20
90807	20
90808	70
90809	100
90810	100
90811	470
90812	360
90813	410
90814	130
90815	140
90816	130
90817	110
90818	120
90819	140
90820	40
90821	30
90822	180
90823	50
DETECTION LIMIT	5

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

1652 BRIGHOUSE ST. EST
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SAMPLE #	Au ppb
90824	190
90824A	30
90825	30
90826	40
90827	40
90828	100
90829	10
90830	30
90831	nd
90832	20
90833	40
90834	nd
90835	10
90836	nd
90837	nd
90838	nd
90839	20
90840	nd
90841	nd
90842	60
90843	70
90844	100
90845	120
90846	370
90847	130
90848	900
90849	240
90850	260
90851	70
90852	50
90853	150
90854	650
90855	740
90856	270
90857	190
90858	560
90859	260
90860	270
90861	70

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

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REPORT NUMBER: 900281 GA JOB NUMBER: 900281 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
90862	50
90863	30
90864	260
90865	70
90866	30
90867	10
90868	40
90869	40
90870	70
90871	340
90872	180
90872A	50
90873	30
90874	10
90875	20
90876	10
90877	50
90878	10
90879	20
90880	40
90881	50
90882	20
90883	10
90884	20
90885	60
90886	50
90887	nd
90888	20
90889	10
90890	50
90891	30
90892	40
90893	30
90894	20
90895	30
90896	110
90897	30
90898	20
90899	20
DETECTION LIMIT	5

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

VANCOUVER, BC V5L 1L6
(604) 251-5656

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FAX (604) 254-5717

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 900281 GA JOB NUMBER: 900281 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
90900	20
90901	20
90902	10
90903	180
90904	40
90905	80
90906	50
90907	100
90908	120
90909	770
90910	350
90911	60
90912	20
90913	150
90914	150
90915	40
90916	470
90917	100
90918	70
90919	80
90920	450
90921	720
90922	290
90923	240
90924	20
90925	130
90926	140
90927	70
90928	50
40929	40
90930	40
90931	40
90932	130
90933	500
90934	90
90935	100
90936	200
90937	200
90938	1030
90939	570
DETECTION LIMIT	5

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

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REPORT NUMBER: 900218 GA JOB NUMBER: 900218 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
90940	70
90941	10
90942	20
90943	80
90944	70
90945	50
90946	30
90947	120
90948	160
90949	190
90950	2100
90951	630
90952	130
90953	190
90954	150
90955	340
90956	80
90957	70
90958	20
90959	120
90960	80
90961	30
90962	120
90963	60
90964	210
90965	20

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

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REPORT NUMBER: 900324 GA JOB NUMBER: 900324 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
90966	60
90967	40
90968	30
90969	40
90970	20
90971	70
90972	90
90973	140
90974	100
90975	120
90976	50
90977	30
90978	50
90979	20
90980	10
90981	100
90982	30
90983	nd
90984	20
90985	30
90986	20
90987	70
90988	50
90989	nd
90990	20
90991	20
90992	120
90993	50
90994	70
90995	220
90996	60
90997	160
90998	600
90999	270
901000	600
901001	150
901002	100
901003	40
901004	20

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

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REPORT NUMBER: 900324 GA JOB NUMBER: 900324 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
901005	30
901006	10
901007	30
901008	20
901009	10
901010	10
901011	30
901012	50
901013	20
901014	20
901015	150
901016	70
901017	60
901018	30
901019	50
901020	280
901021	400
901022	30
901023	260
901024	60
901025	180
901026	80
901027	270
901028	170
901029	730
901030	710
901031	150
901032	210
901033	150
901034	510
901035	60
901036	110
901037	140
901038	90
901039	330
901040	1280
901041	1560
901042	830
901043	200
DETECTION LIMIT	5

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

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REPORT NUMBER: 900324 GA JOB NUMBER: 900324 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
901044	520
901045	1900
901046	450
901047	850
901048	2030
901049	1160

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

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REPORT NUMBER: 900426 GA JOB NUMBER: 900426 **ALPINE EXPLORATION CORP.**

SAMPLE #	Au ppb
901050	20
901051	190
901052	290
901053	140
901054	20
901055	50
901056	60
901057	500
901058	100
901059	300
901060	220
901061	110
901062	30
901063	20
901064	20
901065	890
901066	70
901067	280
901068	60
901069	470
901070	850
901071	220
901072	120
901073	130
901074	460
901075	470
901076	130
901077	40
901078	40
901079	nd
901080	40
901081	120
901082	30
901083	20
901084	50
901085	90
901086	60
901087	20
901088	140

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

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SAMPLE #	Au ppb
901089	100
901090	160
901091	60
901092	50
901093	150
901094	40
901095	540
901096	40
901097	20
901098	nd
901099	40
901100	40
901101	50
901102	60
901103	170
901104	180
901105	280
901106	150
901107	10
901108	nd
901109	20
901110	200
901111	100
901112	180
901113	80
901114	30
901115	10
901116	nd
901117	10
901118	nd
901119	80
901120	150
901121	30
901122	20
901123	10
901124	30
901125	20
901126	50
901127	30
DETECTION LIMIT	5

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

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SAMPLE #	Au ppb
901128	30
901129	30
901130	110
901131	210
901132	270
901133	80
901134	170
901135	110
901136	260
901137	80
901138	110
901139	50
901140	170
901141	810
901142	960
901143	470
901144	310
901145	420
901146	1330
901147	1290
901148	2700
901149	1800
901150	500
901151	730
901152	170
901153	540
901154	320
901155	270
901156	490
901157	480
901158	950
901159	2480
901160	600
901161	1660
901162	650
901163	600
901164	420
901165	110
901166	90
DETECTION LIMIT	5

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

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SAMPLE #	Au ppb
901167	20
901168	30
901169	20
901170	130
901171	210
901172	40
901173	20
901174	180
901175	30
901176	60
901177	20
901178	20
901179	30
901180	1340
901181	30
901182	nd
901183	nd
901184	20
901185	10
901186	110
901187	40
901188	10
901189	50
901190	20
901191	240
901192	170
901193	90
901194	120
901195	30
901196	80
901197	nd
901198	nd
901199	40
901200	270
901201	60
901202	560
901203	310
901204	130
901205	40
DETECTION LIMIT	5

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

1988 TRIUMPH ST.
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REPORT NUMBER: 900426 GA JOB NUMBER: 900426 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
901206	50
901207	160
901208	20
901209	30
901210	50
901211	20
901212	20
901213	nd
901214	nd
901215	40
901216	60
901217	nd
901218	nd
901219	50
901220	30
901221	50
901222	250
901223	40
901224	70
901225	400
901226	30
901227	250
901228	460
901229	410
901230	450
901231	230
901232	30
901233	60
901234	270
901235	170
901236	300
901237	180
901238	90
901239	10

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

[illegible] STREET
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REPORT NUMBER: 900530 GA JOB NUMBER: 900530 **ALPINE EXPLORATION CORP.**

SAMPLE #	Au ppb
901240	30
901241	40
901242	60
901243	30
901244	100
901245	20
901246	30
901247	190
901248	20
901249	30
901250	120
901251	50
901252	130
901253	70
901254	20
901255	30
901256	100
901257	80
901258	10
901259	30
901260	80
901261	10
901262	60
901263	100
901264	80
901265	10
901266	nd
901267	70
901268	110
901269	190
901270	nd
901271	20
901272	20
901273	30
901274	30
901275	nd
901276	270
901277	90
901278	1120
DETECTION LIMIT	5

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

1988 TARGURA STREET
VANCOUVER, BC V5L 1L6
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RENO, NEVADA, U.S.A.

REPORT NUMBER: 900530 GA JOB NUMBER: 900530 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
901279	530
901280	460
901281	390
901282	780
901283	300
901284	640
901285	50
901286	80
901287	310
901288	40
901289	80
901290	80
901291	90
901292	60
901293	10
901294	90
901295	30
901296	10
901297	60
901298	30
901299	20
901300	80
901301	50
901302	nd
901303	nd
901304	nd
901305	nd
901306	nd
901307	10
901308	20
901309	70
901310	20
901311	20
901312	20
901313	30
901314	300
901315	10
901316	180
901317	90
DETECTION LIMIT	5

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

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REPORT NUMBER: 900530 GA JOB NUMBER: 900530 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
901318	100
901319	50
901320	30
901321	170
901322	110
901323	60
901324	40
901325	20
901326	80
901327	100
901328	50
901329	50
901330	30
901331	80
901332	40
901333	20
901334	10
901335	50
901336	30
901337	30
901338	40
901339	80
901340	590
901341	200
901342	410
901343	120
901344	100
901345	60
901346	70
901347	50
901348	40
901349	120
901350	100
901351	50
901352	40
901353	60
901354	20
901355	30
901356	40
DETECTION LIMIT	5

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

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REPORT NUMBER: 900530 GA JOB NUMBER: 900530 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
901357	70
901358	60
901359	40
901360	30
901361	40
901362	60
901363	20
901364	10
901365	20
901366	nd
901367	nd
901368	20
901369	nd
901370	nd
901371	10
901372	nd
901373	nd
901374	nd
901375	20
901376	nd
901377	nd
901378	nd
901379	70
901380	1370
901381	50
901382	20
901383	30
901384	40
901385	30
901386	80
901387	20
901388	10
901389	20
901390	10
901391	10
901392	40
901393	30
901394	20
901395	20
DETECTION LIMIT	5

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

1085 PANDORA STREET
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REPORT NUMBER: 900530 GA JOB NUMBER: 900530 ALPINE EXPLORATION CORP.

SAMPLE #	Au ppb
901396	20
901397	30
901398	10
901399	10
901400	20
901401	30
901402	20
901403	60
901404	20
901405	20
901406	40
901407	30
901408	40
901409	50
901410	60
901411	700
901412	170
901413	40
901414	50
901415	40
901416	20
901417	20
901418	nd
901419	70
901420	50
901421	100
901422	20
901423	30
901424	20

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

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED:

DATE REPORT MAILED: Aug. 20./90.

ASSAY CERTIFICATE

Alpine Exploration Corp. FILE # 90-3101R

SAMPLE#	Cu %	Au** oz/t
90065	.73	.026
90066	.55	.033
90067	.80	.019
90068	.63	.019
90069	1.01	.035
90070	1.16	.033
90071	1.10	.027
90072	.86	.023
90073	.42	.014
90074	.49	.015
90075	1.97	.078
90076	2.08	.068
90077	2.06	.067
90078	1.76	.052
90079	1.23	.042
90080	1.26	.045
90081	1.91	.067
90082	1.19	.044
90083	3.43	.129
90084	4.47	.208
90085	3.67	.106
90086	.56	.023
90087	1.47	.042
90088	2.01	.076
90089	.27	.029
90090	2.76	.149
90091	1.18	.037
90092	.77	.034
90093	1.04	.028
90094	.51	.010

- 1 GM SAMPLE LEACHED IN 50 ML AQUA - REGIA, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK PULP AU** BY FIRE ASSAY FROM 1 A.T.

SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: OCT 18 1990
DATE REPORT MAILED: Oct. 25/90

ASSAY CERTIFICATE

Alpine Exploration Corp. FILE # 90-5409 Page 1
900 - 475 Howe St., Vancouver BC V6C 2B3

SAMPLE#	Cu %	Au** oz/t
90123	.36	.018
90124	.69	.030
90125	.62	.041
90126	.60	.027
90127	.72	.022
90128	.79	.089
90129	.32	.017
90130	.21	.009
90131	.12	.003
90132	.17	.005
90133	.48	.017
90134	.41	.014
90135	.77	.012
90136	.96	.024
90137	.10	.001
90138	.09	.001
90139	.08	.002
90140	.17	.004
90141	.32	.017
90142	.08	.003
90143	.08	.009
90144	.08	.004
90145	.23	.007
90146	.19	.004
90147	.03	.001
90148	.02	.001
90150	.10	.008
90151	.03	.001
90152	.08	.018
90153	.04	.001
90154	.07	.001
90155	.52	.018
90156	.37	.005
90157	.78	.019
90158	1.18	.033
STANDARD R-1/AU-1	.82	.102

AU** BY FIRE ASSAY FROM 1 A.T.
SAMPLE TYPE: ROCK PULP

SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Cu %	Au** oz/t
90159	.71	.016
90160	.84	.026
90161	.89	.021
90163	1.21	.033
90164	1.10	.026
90165	1.25	.028
90166	1.56	.040
90167	.94	.022
90168	1.45	.045
90169	.46	.013
90170	1.54	.062
90171	1.54	.054
90172	.84	.029
90173	.58	.021
90174	1.67	.051
90175	.85	.021
90176	.54	.010
90177	.53	.011
90178	1.07	.026
90179	.48	.012
90180	.35	.012
90181	.31	.021
90405	.59	.002
90406	.22	.005
90407	.41	.008
90408	.49	.010
90409	.36	.009
90410	.62	.014
90411	.47	.011
90412	1.08	.030
90413	.70	.019
90414	.12	.004
90415	.19	.006
90416	.14	.003
90417	.23	.010
STANDARD R-1/AU-1	.86	.100

SAMPLE#	Cu %	Au** oz/t
90418	.34	.010
90419	.35	.009
90420	.31	.012
90421	.55	.029
90422	.04	.001
90423	.03	.001
90424	.49	.010
90493	.13	.109
90494	.03	.001
90495	.03	.001
90496	.05	.001
90497	.04	.001
90498	.03	.001
90499	.05	.001
90500	.06	.001
90501	.06	.001
90502	.11	.001
90503	.08	.001
90504	.26	.004
90505	.51	.010
90506	.65	.018
90507	.44	.005
90508	.29	.005
90509	.42	.010
90510	.30	.006
90511	.70	.019
90512	1.20	.042
90513	2.33	.071
90514	1.09	.033
90515	1.53	.044
90516	.91	.028
90517	2.42	.078
90518	2.71	.101
90519	2.16	.071
90520	2.15	.074
90521	1.69	.051
STANDARD R-1	.84	.100

SAMPLE#	Cu %	Au** oz/t
90522	.56	.016
90523	.30	.007
90524	.30	.009
90525	.26	.008
90526	.32	.009
90527	.99	.036
90528	2.30	.061
90529	.54	.021
90530	4.32	.226
90531	.96	.046
90532	.14	.006
90533	.10	.004
90534	.05	.001
90535	.09	.003
90536	.11	.004
90537	.41	.062
90538	.24	.007
90539	.15	.012
90540	.15	.015
90541	.16	.005
90542	.04	.002
90543	.79	.023
90544	.60	.015
90545	.31	.009
90546	.55	.020
90578	.49	.016
90579	.92	.036
90580	1.09	.038
90581	.56	.021
90582	.69	.017
90583	.57	.027
90584	.70	.023
90585	1.57	.054
90586	2.73	.097
90587	.92	.041
90588	3.49	.128
STANDARD R-1/AU-1	.83	.103

SAMPLE#	Cu %	Au** oz/t
90589	.47	.023
90590	4.23	.183
90591	.39	.021
90592	.21	.004
90593	.82	.039
90594	1.21	.106
90595	.48	.020
90596	1.15	.036
90597	1.15	.058
90598	1.19	.038
90599	1.37	.051
90600	.62	.020
90601	1.09	.047
90602	.55	.020
90603	.19	.005
90604	.01	.001
90605	.01	.001
90606	.03	.001
90607	1.29	.009
90608	.06	.001
90609	.10	.015
90669	.27	.011
90670	.78	.024
90671	.26	.004
90672	.25	.004
90673	.24	.004
90674	.21	.002
90675	.16	.002
90676	.23	.003
90677	.25	.006
90678	.37	.008
90679	.44	.009
90680	.48	.023
90681	.92	.019
90682	.26	.006
90683	.58	.015
STANDARD R-1/AU-1	.87	.099

SAMPLE#	Cu %	Au** oz/t
90684	.50	.013
90685	.28	.006
90686	.22	.006
90687	.94	.007
90743	.14	.036
90744	.04	.005
90745	.06	.003
90746	.04	.002
90747	.02	.001
90748	.81	.031
90749	.35	.021
90750	.07	.004
90751	.11	.011
90752	.13	.012
90762	.64	.025
90763	.01	.002
90764	.01	.001
90765	.03	.004
90766	.50	.053
90767	1.27	.071
90768	.83	.061
90769	.97	.025
90770	1.89	.052
90771	.71	.022
90772	.32	.007
90773	.45	.009
90846	.31	.010
90847	.18	.004
90848	.82	.026
90849	.24	.007
90850	.30	.010
90851	.19	.002
90852	.16	.034
90853	.24	.004
90854	.67	.022
90855	.36	.021
STANDARD R-1/AU-1	.85	.104

SAMPLE#	Cu %	Au** oz/t
90856	.24	.009
90857	.49	.006
90858	.54	.013
90859	.29	.009
90860	.28	.010
90909	.52	.024
90910	.32	.015
90911	.04	.002
90912	.02	.001
90913	.09	.003
90914	.13	.007
90915	.06	.001
90916	.09	.024
90917	.10	.002
90918	.07	.002
90919	.08	.003
90920	.43	.020
90921	.50	.019
90922	.31	.006
90923	.13	.008
90950	1.75	.065
90951	.38	.020
90952	.11	.004
90953	.20	.006
90954	.15	.005
90955	.27	.010
90995	.22	.009
90996	.07	.001
90997	.24	.004
90998	1.08	.030
90999	.69	.016
901000	.87	.023
901001	.31	.005
901002	.34	.003
901027	.32	.008
901028	.16	.004
STANDARD R-1/AU-1	.85	.102

SAMPLE#	Cu %	Au** oz/t
901029	.56	.015
901030	.65	.021
901031	.20	.005
901032	.26	.006
901033	.20	.002
901034	.73	.023
901035	.12	.002
901036	.10	.002
901037	.27	.005
901038	.20	.003
901039	.27	.007
901040	1.17	.038
901041	1.32	.040
901042	1.10	.032
901043	.28	.006
901044	.43	.011
901045	1.95	.053
901046	.42	.007
901047	.76	.031
901048	1.40	.049
901049	.75	.026
901065	.68	.043
901066	.13	.001
901067	.16	.006
901068	.10	.001
901069	.45	.013
901070	.32	.012
901071	.17	.005
901072	.09	.004
901073	.16	.003
901074	.44	.012
901075	.45	.010
901141	.97	.023
901142	1.14	.034
901143	.70	.016
901144	.46	.008
STANDARD R-1/AU-1	.84	.101

SAMPLE#	Cu %	Au** oz/t
901145	.42	.013
901146	.74	.019
901147	1.06	.050
901148	1.85	.050
901149	1.41	.038
901150	.34	.012
901151	.44	.022
901152	.13	.004
901153	.14	.010
901154	.16	.012
901155	.15	.008
901156	.37	.014
901157	.36	.014
901158	.60	.026
901159	2.52	.085
901160	.45	.020
901161	1.62	.044
901162	.63	.023
901163	.51	.020
901164	.32	.014
901227	.37	.006
901228	.67	.014
901229	.36	.008
901230	.53	.010
901231	.27	.005
901232	.17	.002
901233	.15	.002
901234	.48	.007
901235	.30	.003
901236	.36	.007
901278	1.04	.031
901279	.46	.015
901280	.35	.012
901281	.44	.014
901282	.82	.026
901283	.36	.013
901284	.76	.022
STANDARD R-1/AU-1	.84	.097

SAMPLE#	Cu %	Au** oz/t
901340	.40	.021
901341	.53	.006
901342	.39	.005
901343	.30	.005
901379	.08	.007
901380	1.39	.043
STANDARD R-1/AU-1	.86	.102

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: 900096 AA JOB NUMBER: 900096 ALPINE EXPLORATION CORP. PAGE 1 OF 1

SAMPLE #	Cu %
90075	1.84
90076	1.90
90077	1.87
90083	3.13
90084	4.41
90085	3.56
90090	2.70

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 900103 AA JOB NUMBER: 900103 ALPINE EXPLORATION CORP. PAGE 1 OF 1

SAMPLE #	Au oz/st
90128	.076

DETECTION LIMIT .01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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REPORT NUMBER: 900144 AC JOB NUMBER: 900144 ALPINE EXPLORATION CORP. PAGE 1 OF 1

SAMPLE #	Cu %
90513	2.42
90517	2.58
90518	2.88
90528	2.42
90530	4.65
90535	.11
90536	.13
90537	.44
90538	.25
90539	.16

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~~VANCOUVER, B.C. V5L 1K5~~
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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900209 AB JOB NUMBER: 900209 ALPINE EXPLORATION CORP. PAGE 1 OF 1

SAMPLE #	Cu %
90586	2.98
90588	3.83
90590	4.37

DETECTION LIMIT .01

1 troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANCOUVER, B.C. V5L 1L6
(604) 251-5656

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: 900281 AA JOB NUMBER: 900281 ALPINE EXPLORATION CORP. PAGE 1 OF 1

SAMPLE #	Cu %
90770	1.89

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900426 AA JOB NUMBER: 900426 ALPINE EXPLORATION CORP. PAGE 1 OF 1

SAMPLE #	Cu %
901159	2.91

DETECTION LIMIT .01

1 troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____