GEOLOGICAL AND GEOCHEMICAL REPORT

on the

SURE 1&2 AND FATE 1&2 CLAIMS

THE SUREFATE PROPERTY

Trapper Lake Area, British Columbia

Atlin Mining Division

N.T.S. 104K/7E

Latitude: 58°28.4'N; Longitude: 132°32'W

for

Maple Resource Corp.
1100 - 808 W. Hastings St.
Vancouver, B.C.

by

Azimuth Geological Incorporated
205 - 470 Granville St.
Vancouver B.C.

Robert M. Cann, M.Sc., P.Geo.
Jim Lehtinen, B.Sc.

February 1992

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SUMMARY

The Surefate Property comprises four contiguous claims totalling 80 units and is located in northwestern British Columbia, approximately 100 km northwest of Telegraph Creek and 32 km northwest of the Golden Bear gold mine. Access is by float plane and/or helicopter.

The claims overlie Lower and Middle Jurassic Takwahoni sediments which disconformably overlie Upper Triassic Stuhini Group volcanics. The older rock units have been intruded by Cretaceous monzonite dykes and small intrusive bodies.

The Sure 1&2 and Fate 1&2 claims were acquired in 1991 by Maple Resource Corp. No recorded work other than a joint Federal/Provincial regional geochemical survey has been recorded on the claims.

The 1991 soil sampling program located an area with a number of single station geochemical anomalies. Although no discernible pattern to the anomalies was determined, rock sampling and mapping in the area suggest a spatial association of anomalous geochemical results with narrow carbonate altered shear zones in volcanic rocks. Two rock samples which contain significant gold and silver values(0.233oz/t Au; 5.59oz/t Ag and 0.787 oz/t Au; 1.40oz/t Ag) occur within a vein hosted in a narrow, carbonated shear zone cutting volcanic rocks. The zones are narrow with limited strike length and have not been further evaluated. A narrow silicified zone in monzonite porphyry yielded 2222ppm molybdenum. No other structures were found in the area of this sample location.

INTRODUCTION

At the request of Prime Equities Inc. (on behalf of Maple Resource Corp.) Azimuth Geological Inc. was contracted to evaluate the Surefate property using geological and geochemical techniques. The property is located in northwestern British Columbia, 32 km northwest of the Golden Bear mine, in an under-explored but geologically attractive area.

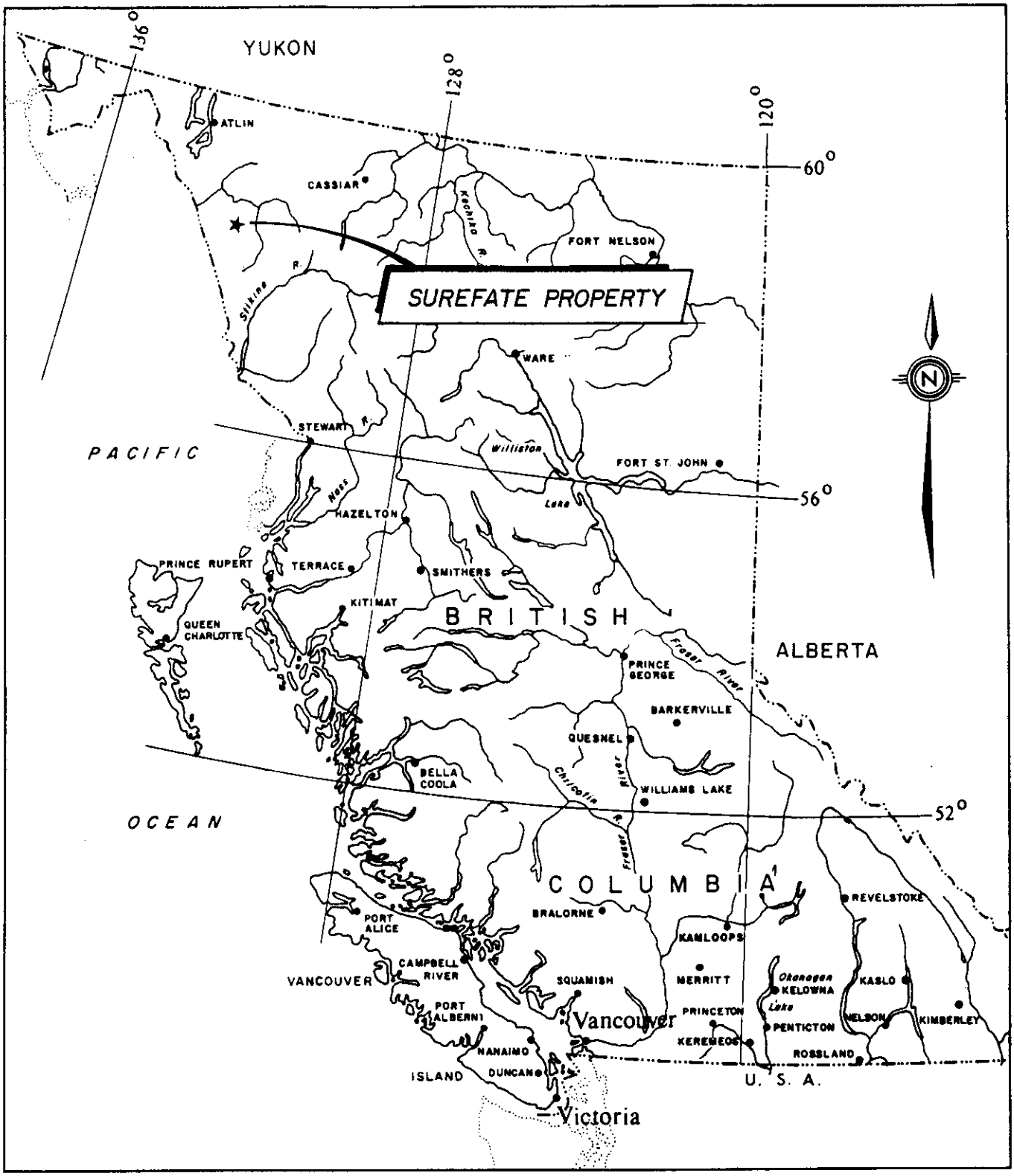
Current work was aimed at developing an understanding of the geological setting, at locating and evaluating any mineralization and at developing potential drill targets.

LOCATION, ACCESS and PHYSIOGRAPHY

The Surefate claim group is located in the extreme northwest corner of British Columbia (Figure 1), 1200 km northwest of Vancouver and 270 km south-southeast of Whitehorse, Yukon Territory (NTS: 104K/7) Closest supply towns are Telegraph Creek, 100 km to the southeast; Dease Lake, 150 km to the east; and Juneau, Alaska, 106 km to the west-southwest.

Access to the claim area is possible by float-equipped aircraft to Trapper Lake (5 km west) or to Tatsamenie Lake (15 km southeast). Airstrips for conventional aircraft are located at Tatsamenie Lake, Muddy Lake (32 km southeast) and Tulsequah (60 km west-northwest). Final access would be by helicopter. A private road provides access from Telegraph Creek to the Golden Bear mine-site at Muddy Lake and is available for public use by prior arrangement with Golden Bear Operating Company.

Physiographically, the claims are located in the Tahltan Highland, a moderately rugged transitional zone between the Stikine Plateau and the eastern ranges of the Coast Mountains. Elevations on the Surefate property vary from approximately 720 m in the northwest corner of the property to 1600 m at the south boundary of Sure 1. The property varies from alpine at the higher elevations, with treeline varying about the 1200 m elevation, to steep slopes of scrub alpine fir and brush commonly disturbed by areas of tangled avalanche debris. The lower elevations of the creek valleys host moderate sized fir, pine and spruce.



0 100 200 300 Km

TO ACCOMPANY REPORT NO. _____ BY _____

AZIMUTH GEOLOGICAL INC.

MAPLE RESOURCE CORP.

SUREFATE

LOCATION MAP

Date	Scale	N.T.S.	Figure No.
OCT., 1991	1:7500000	104 K/7	1

CLAIM STATUS

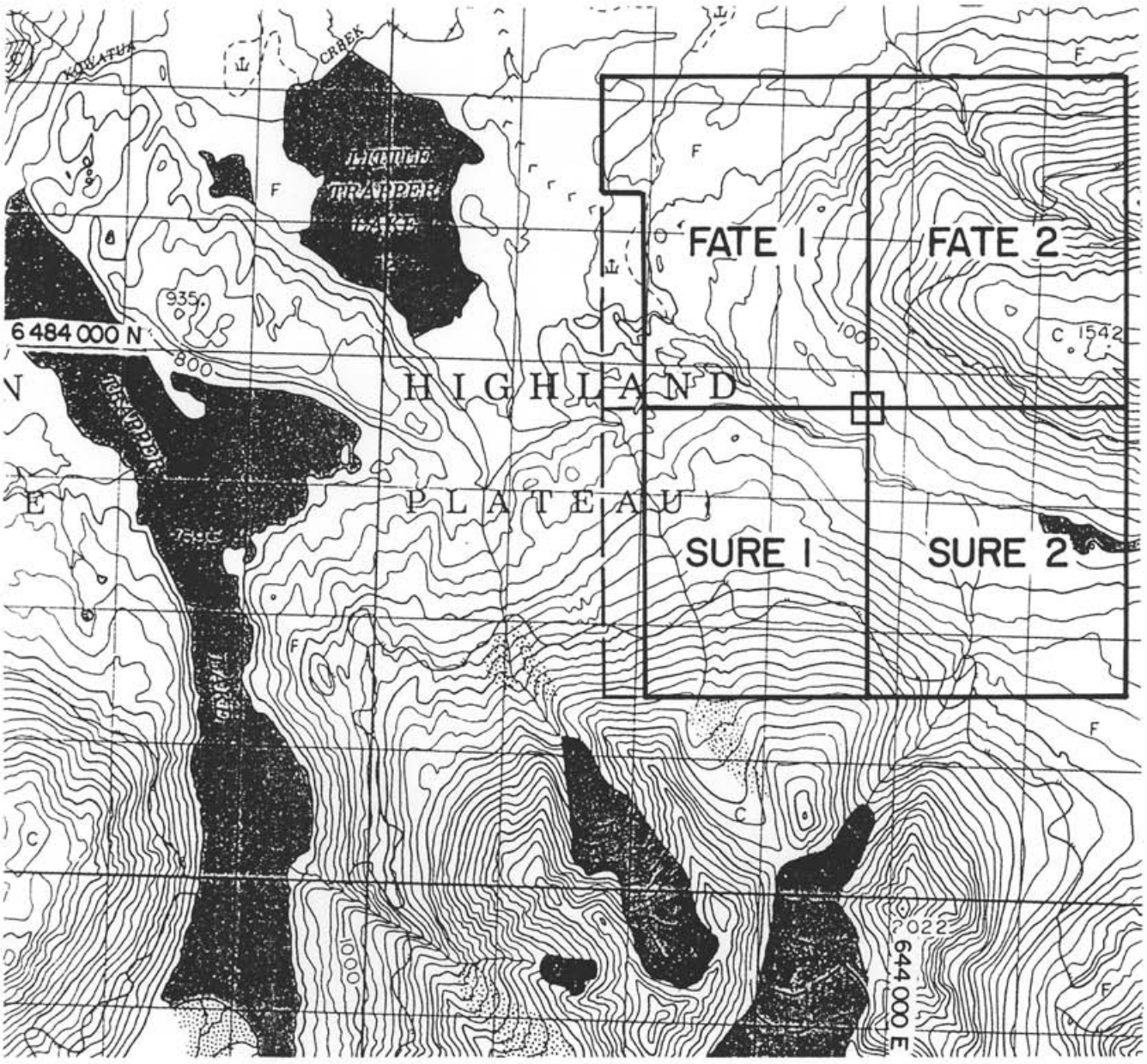
The Surefate property consists of four contiguous modified grid claims totalling 80 units (Figure 2) located in the Atlin Mining Division. Legal Corner Posts were not located in the field during the course of the 1991 program. Public records indicate all claims are owned by Maple Resource Corp.

Current claim data as shown in public records is compiled below.

Table 1. Claim data.

Claim Name	Record Number	Units	Expiry Date[1]
Fate 1	4567	20	April 17, 1995
Fate 2	4568	20	April 17, 1995
Sure 1	4569	20	April 16, 1995
Sure 2	4570	20	April 17, 1995

1: Assuming acceptance of current submission.



0 1 2 3 km

N

AZIMUTH GEOLOGICAL INC.

MAPLE RESOURCE CORP.
SUREFATE

CLAIM MAP

N.T.S. 104 K/7	Data G. Crowe	Date Oct., 1991
Scale 1:50 000	Drawn	FIGURE 2

HISTORY

Although no record remains, it is likely that the general area of the Surefate property was prospected in the 1920's and 1930's following discovery of the Tulsequah Chief and Polaris Taku deposits, 67 km to the northwest.

During 1988 the Federal and Provincial governments conducted a regional geochemical silt survey which covered mapsheet 104K. Samples from creeks draining the property returned weakly anomalous values in gold, mercury and copper.

The property was staked in 1991 as the Sure 1&2 and Fate 1&2 claims and was acquired by Maple Resource Corp.

REGIONAL GEOLOGY

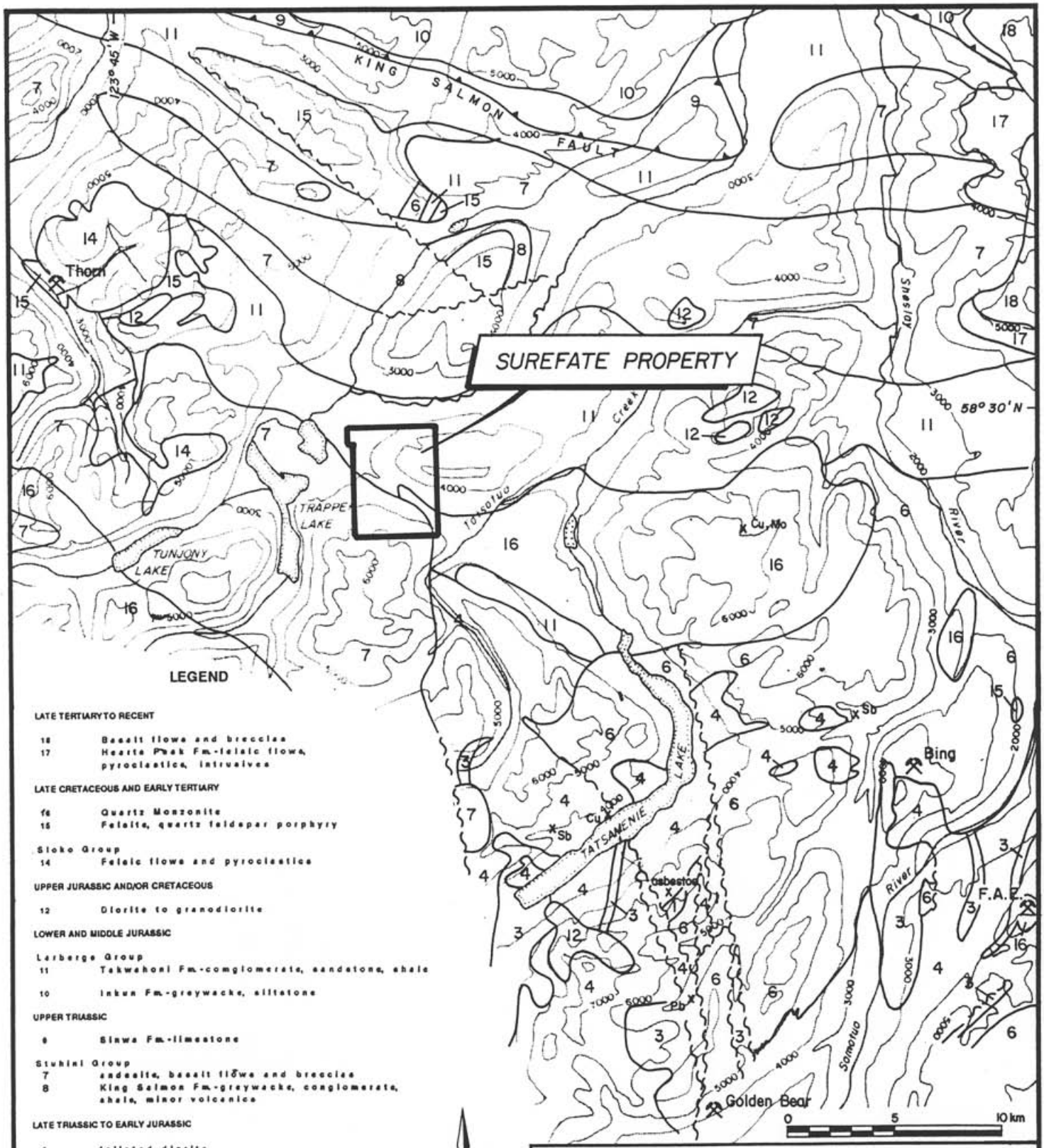
The Tulsequah map-area was most recently mapped by Souther (1971). Regional geology in the Tatsamenie Lake-Trapper Lake area is shown in Figure 3. Oldest rocks in the area are strongly deformed and regionally metamorphosed Permian and Lower Triassic metasediments and metavolcanics (Units 3 and 4) of the Stikine Assemblage (Monger, 1980) which are intruded by Lower or Middle Triassic foliated quartz diorite (Unit 6). These older rocks appear to be restricted to an area between Trapper and Tatsamenie Lakes.

A major regional unconformity separates older rocks from less deformed Upper Triassic and younger strata. Most widespread of the younger strata are Upper Triassic Stuhini Group basic volcanics and related sediments (Units 7 and 8). In the area of interest these rocks form a southeast-trending syncline enclosing a core of Lower and Middle Jurassic Takwahoni Formation (Laberge Group) sediments and overlying Upper Cretaceous to Tertiary felsic volcanics and related sub-volcanic intrusives of the Sloko Group (Units 11, 14 to 16). According to Souther and current geological mapping, much of the Surefate property is underlain by Stuhini Group volcanics on the south with Takwahoni sediments underlying the north portion of the property. Middle Jurassic diorite plugs (Unit 12) commonly intrude Takwahoni and older rocks and often appear to be spatially associated with mineralization in the area.

In the northeast corner of the map-area, Upper Triassic limestone (Sinwa Formation: Unit 9) and Lower Jurassic sediments of the Inklin Formation (Unit 10) have been thrust southwestward along the King Salmon Fault to form the Atlin Horst.

Flat-lying Late Tertiary to Pleistocene volcanics (Units 17 and 18) overlie all units along the east margin of the map-area.

Three structural events have been documented in the area (Schroeter, 1986; Oliver and Hodgson, 1990). The oldest mid-Triassic event is typically represented by tight folds with north-trending axial surfaces. Mid-Jurassic deformation resulted from southwest-verging thrust faults which produced broad northwest-trending folds. Youngest structures are Eocene extension faults of apparent random orientation.



LEGEND

LATE TERTIARY TO RECENT

18 Basalt flows and breccias
17 Hearts Peak Fm.-felsic flows, pyroclastics, intrusives

LATE CRETACEOUS AND EARLY TERTIARY

16 Quartz Monzonite
15 Felsite, quartz feldspar porphyry

Sloko Group
14 Felsic flows and pyroclastics

UPPER JURASSIC AND/OR CRETACEOUS

12 Diorite to granodiorite

LOWER AND MIDDLE JURASSIC

Laberge Group
11 Takwahoni Fm.-conglomerate, sandstone, shale
10 Inkun Fm.-greywacke, siltstone

UPPER TRIASSIC

9 Sinwa Fm.-limestone

Stuhini Group
7 andesite, basalt flows and breccias
8 King Salmon Fm.-greywacke, conglomerate, shale, minor volcanics

LATE TRIASSIC TO EARLY JURASSIC

6 foliated diorite

LOWER TRIASSIC AND EARLIER

4 greenstone, phyllite, tuff

PERMIAN

3 limestone, dolomitic limestone

AGE UNKNOWN

1 ultramafics, serpentinite

fault
thrust fault
mineral property
X mineral occurrence

After: Souther, 1971; Schroeter, 1986; Oliver and Hodson, 1990

N

AZIMUTH GEOLOGICAL INCORPORATED

MAPLE RESOURCE CORP.
SUREFATE

GEOLOGY MAP

N.T.S. 104 K/7,10	Data G. Crowe	Date Oct., 1991
Scale 1 : 250000	Drawn	Figure 3

Mineralization in the Tulsequah area is dominated by volcanogenic(?) massive sulphide deposits in the Tulsequah district, 60 km west-northwest of the Surefate property, and by shear-hosted precious metal mineralization at and near the Golden Bear deposit. Copper-lead-zinc-gold-silver mineralization at Tulsequah Chief, Big Bull, and Ericksen-Ashby is associated with a contact between Permian felsic pyroclastic rocks and underlying massive andesitic flows (Gunning, 1988; Nelson and Payne, 1983). Most recent (1989) reserves for Tulsequah Chief are given as 5.8 Mt of 1.55% Cu, 1.22% Pb, 6.81% Zn, 2.74 g/t Au, 109.4 g/t Ag. Recent exploration by Cominco Ltd. and Redfern Resources Ltd. is expected to boost this reserve. Across the Tulsequah River at the nearby Polaris Taku property, Suntac Minerals Corporation report probable plus possible reserves of 803,765 tonnes grading 16.1 g/t Au (March 21, 1990 News Release). Mineralization occurs in an arsenopyrite-bearing quartz-carbonate shear zone cutting Permian(?) sediments and tuffs. Grade and geological setting suggest similarities with the Golden Bear deposit.

The Golden Bear deposit, located 32 km southeast of Surefate (Figure 3), is being actively mined by Chevron Minerals Ltd. and North American Metals Corp. (Homestake Mining Company) who report (1990 Annual Report) proven plus probable reserves (before mining) of 569,453 tonnes grading 17.60 g/t gold. Mineralization at Golden Bear consists of pyrite-arsenopyrite-scorodite-native gold within a persistent quartz-carbonate altered shear cutting Permian to Lower Triassic(?) limestone and metasediments.

The Thorn property, located 13 km northwest of Surefate (Figure 3), is underlain by Eocene Sloko felsic volcanics intruded by a small quartz-feldspar-porphyry stock (Woodcock, 1987). Gold and silver are associated with both linear, east-west trending, pyrite-arsenopyrite-tetrahedrite-bearing silicified zones and with pods and lenses of pyrite-tetrahedrite-enargite. The property was drilled in 1986 by American Reserve Mining Corporation.

1991 WORK PROGRAM

Current work was conducted between July 2 and August 21, 1991 by geologists L. Lyons, M. Vaskovic, W. Taylor and J. Lehtinen with assistance from other personnel. Field work was supported from common camp facilities at Trapper Lake (6 km west of Surefate) where a contract Bell 206B helicopter supplied by Trans North Air was available for claim access.

Field work consisted of contour soil sampling at either 25 m, 50 m or 100 m station intervals (26.59 km of line; 388 samples), 1:5,000 & 1:10,000 scale mapping and prospecting. During mapping, samples of altered and mineralized float and outcrop were routinely taken (32 samples). Silt samples were collected where conditions were suitable (19 samples). The work was conducted in two areas located north and south of the main creek which transects the property with the majority of work conducted on the southern portion.

PROPERTY GEOLOGY

Current mapping at 1:5,000 and 1:10,000 scale (Figures 4 & 5) was completed by Lyons, Vaskovic, Taylor and Lehtinen in July and August 1991 using airphotos and topography for control. Mapping generally corroborated regional mapping by Souther (1971) and identified three major map units as described below. Bedrock mapping on the property was hindered over large areas by low-lying swampy ground, the abundance of glacial derived sediments, thick vegetation and steep topography.

Lithologies

4. Volcanic/Volcaniclastic

The southern half of the Sure 1&2 claims are dominantly underlain by medium to dark green-grey volcanic and volcaniclastic rocks of basalt to andesite composition. The volcanic flows are variably aphanitic, amygdaloidal, porphyritic, pillowed and brecciated. The volcaniclastic rocks vary from ash through lapilli tuff to agglomerate with the fragments of the coarser volcaniclastics commonly displaying a weak alignment of their long axes in a south to southeast direction. Narrow shear zones commonly identified by their associated rusty, orange-brown, iron carbonate alteration envelope and sporadic quartz-carbonate veining are commonly oriented at 140°, 170° and 190°. Larger shear zones in these volcanics

were mapped near the contact with a conglomerate possibly a member of the Takwahoni Formation.

Souther (1971) considered these volcanic rocks to be Upper Triassic Stuhini Group.

7. Wacke/Siltstone/Mudstone/Conglomerate:

A large interval of Lower and Middle Jurassic Takwahoni Formation sediments is exposed on the Fate 2 claim in a steep creek canyon trending SE-NW. The interval is composed of interbedded, dull, beige-grey mudstone, siltstone and wacke. Locallized iron carbonate alteration is generally associated with minor faulting and small monzonite(?) intrusive bodies.

A single large outcrop of chert pebble conglomerate is exposed in a small creek near the east boundary of the Sure 1 claim. The conglomerate is exposed for 160 m along the creek and is in fault contact, to the south, with volcanic Stuhini Group rocks. This contact suggests a large fault has juxtaposed conglomerate beleived to be Jurassic Takwahoni Formation alongside the older Stuhini volcanic rocks.

12. Monzonite:

Monzonite dykes less than 10 m in width and monzonite bodies of undetermined shape cut the Takwahoni sediments and the Stuhini volcanics. The Cretaceous and Tertiary aged monzonite are pink to pink-grey and commonly rusty-orange. They vary from fine grained to porphyritic, fresh to altered and may contain finely disseminated pyrite. Intruded rocks are commonly hornfelsed and pyritic. The monzonite exposed on the Sure 1 claim is mineralized with pyrite and fracture controlled, spotty molybdenite.

MINERALIZATION AND ROCK GEOCHEMISTRY

Rock samples were taken of all mineralized and altered float and outcrop encountered while prospecting or soil sampling. Significant sample results are tabulated in Table 2 and results discussed in more detail below.

TABLE 2. Significant rock sample results.

Sample No.	ppb Au	ppm Ag	ppm Cu[1]	ppm Pb[1]	ppm Zn[1]
18198	0.233oz/t	5.59oz/t	0.49%	0.71%	0.83%
18199	0.787oz/t	1.40oz/t	0.07%	0.31%	0.52%
18544	298	19.4	739	-	-
18546	4	2.9	328	-	-
18547	1020	155.9	2433	15859	44919
18548	14	3.7	565	1269	935
18549	1150	80.1	3266	1151	294
18558	3	2.3	318	-	-
18559	2	2.0	422	-	-
18564	50	12.2	250	-	-
18565	2	1.3	210	-	-
18567	38	88.3	7295	425	537
18805	1	3.6	11853	-	-
18801	molybdenum	713 ppm			
18807	molybdenum	2222 ppm,	Pb 314 ppm,	As 2.6 ppm	

1: Values less than 200 ppm Cu, 200 ppm Pb, 200 ppm Zn not shown.

Along the north side of station 10+75 E on Line 1320 occurs sub-outcrops of intensely carbonate altered volcanic with minor quartz stringers hosting less than 2% pyrite, chalcopyrite, sphalerite, galena and arsenopyrite. Sample 18198 of this material assayed

0.233oz/t gold, 5.59oz/t silver with copper, lead and zinc all less than 1%. Approximately 100 m north to northeast and downslope, outcrop sample 18199 was taken near Line 1256, station 7+00W. The sample was taken from a 20 cm quartz vein hosting massive arsenopyrite and pyrite with trace amounts of sphalerite and galena. The vein, hosted in carbonate altered volcanics, is oriented 180/35W and appears limited in width to a maximum of 20 cm while strike length appears to be less than 10 m. Sample 18199 assayed 0.787oz/t gold, 1.40oz/t silver and less than 1% in any of the elements copper,lead or zinc.

In the southeast corner of the Sure 1 claim mineralized samples were taken over 500 metres in a moderately steep creek cut. The six samples are described as they occur from south to north.

1) The most southerly sample, 18544, occurs at appproximately 1440m elevation. The sample, from weakly carbonate altered volcanics, contained a 2cm carbonate vein with disseminated pyrite and trace galena stringers. Gold and silver values of 298ppb and 19.4ppm respectively and 739ppm copper, 198ppm arsenic were contained in this sample.

2) At 1420m elevation sample 18564, a 5cm quartz vein with 1% rusty, disseminated pyrite cubes hosted in volcanics was sampled. The sample contained 50ppb gold, 12.2ppm silver and 250ppm copper.

3) Sample 18546, located at the 1300m elevation, returned weakly anomalous values of 2.9ppm silver and 328ppm copper. These weak values were from minor quartz-carbonate veining in moderately carbonate altered volcanics carrying up to 1% pyrite stringers.

4) Float sample 18547 was collected at the 1280m elevation. The sample of highly altered (skarn?) green rock of volcanic(?) or intrusive(?) origin. The sample of semi-massive pyrite, hematite and magnetite with sphalerite and galena contained 2433ppm copper, 15,859ppm lead, 44,919ppm zinc, 1012ppm arsenic, 1020ppb gold and 155.9ppm silver. No source of the float could be determined as the rock appeared to be a single isolated boulder.

5) Silicified and pyritized volcanic wallrock surrounding a 1cm quartz vein hosting pyrite and trace galena was sampled 65m north of the previous sample at approximately 1260m elevation. Copper, lead and zinc values contained in sample 18548 are 565ppm, 1269ppm and 935ppm respectively. Gold and silver values of 14ppb and 3.7ppm were returned.

6) Twenty metres north of the previous sample, at 1250m elevation, a 0.5 to 1.0 metre zone(sample 18549) of silicification and quartz vein with 5-10% blebby and disseminated pyrite hosted in volcanics returned values of 1150ppb gold, 80.1ppm silver, 3266ppm copper, 1151ppm lead, 294ppm zinc and 502ppm arsenic.

Along the northern portion of the same creek at the 1085 & 1045m elevation occurs samples 18558 & 18559. A large zone of strongly carbonate altered volcanic tuffs hosts sample 18558 which is weakly anomalous in copper at 318ppm. Sample 18559, a 2-3cm quartz vein in

weakly carbonate altered tuffs returned a value of 422ppm copper.

Sample 18565 was sampled at a location 100m east of the previously described creek gully at approximately the 1270m elevation. The weakly magnetite and epidote altered lapilli tuff hosting trace chalcopyrite was weakly anomalous with 210ppm copper with insignificant gold and silver values.

A float sample(18567) which was sampled 80m east of sample 18565 hosted 1-2% chalcopyrite with malachite and azurite stain and specular hematite. The sample contained 38ppb gold, 88.3ppm silver, 7295ppm copper, 425ppm lead, 537ppm zinc and 230ppm arsenic. No source of the float was determined.

Two float samples were retrieved from a cirque on the extreme southwest corner of the property on the Sure 1 claim. A 15cm sample(18805) of vein quartz with blebs of chalcopyrite returned values of 11,853ppm copper, 1ppb gold and 3.6ppm silver. A second sample (18801) of siliceous breccia with sedimentary clasts and blebby pyrite contained 713ppm molybdenum.

At approximately 1240m elevation on the west side of the Sure 1 claim, a creek east of and paralleling the major drainage, sample 18807 was taken from a 6cm width zone of siliceous veining with pyrite and molybdenite hosted in a monzonite porphyry intrusive body. The sample assayed 2222ppm molybdenum, 314ppm lead and 2.6ppm siver.

SOIL AND SILT GEOCHEMISTRY

The soil sampling program was divided into a north and south area separated by a major valley. A total of 388 soil and 19 silt samples were taken along 26.59 kilometres of line.

The north area which is dominantly underlain by Takwahoni sediments was sampled by three contour soil lines separated by 80m vertically and with sample spacing at 100m. Two soil lines in the northeast of the Fate 2 claim cross topography and follow the shoulders of the ridges paralleling the major creek valley. Samples were taken at 100m intervals along the length of the lines.

The Sure 1&2 claims received the majority of soil sampling. The southern section of the claims were contour sampled between 1150 and 1400m elevation at approximately 40m vertical intervals along lines with station spacing varying from 25m, 50m and 100m. Two reconnaissance soil lines were established at the 960m and 1000m elevation with stations established at 100m intervals. Soil development is highly variable depending on bedrock geology, elevation and topography. Sampling of the "B" horizon was attempted where possible, but commonly talus fines were retrieved. Samples were taken from surface to 35

cm in depth, placed in Kraft bags and shipped to either Min-En labs in Vancouver or to TSL Laboratories in Richmond, B.C. for 31 element ICP and geochemical gold analysis. Analytical techniques are included in Appendix E.

A number of weakly anomalous single station anomalies occur in the southeast quadrant of the Sure 1 claim. Soil and silt anomalies are roughly coincident with anomalous rock samples taken from the same drainage and previously listed in Table 2. The best silt sample (Line 1220, 8+06E) was taken from the creek hosting the most significant rock samples. This sample yielded 335ppb gold and 1.2ppm silver and was weakly anomalous in copper, lead and zinc. Within the same area an anomalous soil sample at Line 1255, 2+00E returned 35ppb gold, 6.8ppm silver, 2246ppm copper, 725ppm zinc and 46ppm molybdenum.

Soil sampling outlined a crude circular zone of weakly anomalous copper, arsenic, gold, silver and zinc centered on Line 1256, 7+00W and with a radius of 250 metres. Metal values within this zone are slightly elevated but no apparent pattern to the anomalies is discernible. Rock sampling of carbonated shears in this area have returned significant gold, silver, copper, lead, zinc and arsenic values which may be the source of the soil geochemical anomalies in this area.

Line 960, 9+00W recorded the second highest gold soil anomaly at 280ppb. Silver, copper, lead and zinc values were slightly elevated. No follow-up of this sample was conducted.

CONCLUSIONS

The south-half of the Surefate property(mainly Sure 1&2 claims) is underlain by Upper Triassic Stuhini volcanics and the north-half by Lower and Middle Jurassic Takwahoni sediments(mainly on the Fate 1&2 claims). These older units are cross-cut by Cretaceous(?) monzonite dykes and small intrusive bodies.

Contour and reconnaissance soil sampling indicates an area of moderate to weak copper, lead, zinc, arsenic, gold and silver anomalies in an area underlain by volcanic and volcaniclastic rocks. Rock sampling in this area yielded gold values up to 0.787 oz/t, silver values up to 5.59 oz/t and copper, lead and zinc values greater than 10,000ppm.

Rock sampling was commonly of narrow shear zones hosted in the volcanics. These shear zones may host narrow quartz &/or carbonate veins but are usually carbonate altered shears that are limited in strike length. Mineralization along these structures is sporadic where examined.

Molybdenum mineralization is associated with quartz veining hosted in a shear zone cutting a monzonite intrusive. This mineralization appeared to be an isolated occurrence as no other veining in the area appeared to host molybdenum mineralization.

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CERTIFICATE

I, Robert M. Cann, of 1260 Silverwood Crescent, North Vancouver, British Columbia hereby certify that:

1) I am a consulting geologist with offices at 205-470 Granville Street, Vancouver, B.C.

2) I hold a degree of Bachelor of Science (Honours) in Geology from the University of British Columbia, 1976.

3) I hold a degree of Master of Science in Economic Geology from the University of British Columbia, 1979.

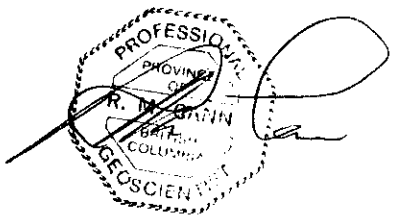
4) I have practised my profession continuously since 1979.

5) I am a Fellow of the Geological Association of Canada.

6) I am a registered member of The Association of Professional Engineers and Geoscientists of B.C.

7) This report is based on work done under my direct supervision.

Dated on this 7th day of February, 1992 at Vancouver, B.C.



Robert M. Cann, M.Sc., P. Geo.

CERTIFICATE

I, Jim Lehtinen, of the City of Vancouver, British Columbia hereby certify that:

1) I am a consulting geologist residing at #302 - 880 West 71st Avenue, Vancouver, B.C.

2) I hold a degree of Bachelor of Science in Geology from the University of British Columbia, 1984.

3) I have practised my profession continuously since 1984.

4) I am a Fellow of the Geological Association of Canada.

5) This report is based on work done under my direct supervision.

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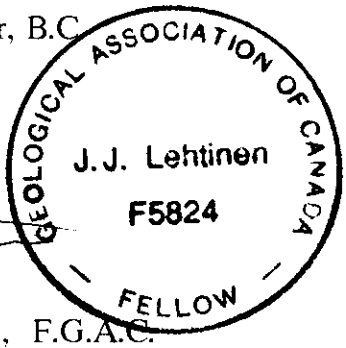

Jim Lehtinen, B.Sc., F.G.A.C.

Appendix A

COSTS INCURRED

COSTS INCURRED - JUNE 30 TO AUGUST 10

Mobilization		$ 1,466.41
Supervision - R. M. Cann/G. Crowe	2.0 @ $400/day	800.00
Field superv. - L. Haynes/J. Lehtinen	4.4 @ $375/day	1,650.00
Sr. geol. - L. Lyons	2.3 @ $350/day	805.00
Sr. geol. - M. Vaskovic	3.3 @ $350/day	1,155.00
Sr. geol. - W. Taylor	1.6 @ $350/day	560.00
Jr. geol. - S. Cormier	1.1 @ $250/day	275.00
Ass't - T. Muraro	2.0 @ $225/day	450.00
Ass't - H. Culbert	2.1 @ $225/day	472.50
Food and accom. at Trapper Lk. camp	18.8 @ $120/manday	2,256.00
Consumable supplies & equip. rental	18.8 @ $25/manday	470.00
Portable radio rentals		50.00
Helicopter (Trans North)	4.15@ $750/hr	3,116.00
Analytical		
Soils (Au+31 element ICP)	289 @ $12	3,468.00
	118 @ $17.40	2,053.20
Rocks (Au+31 element ICP)	29 @ $17	493.00
	3 @ $28	84.00
Sample shipment		700.00
Communications		993.00
Maps and Air photos		303.00
Camp Construction - Jempland (proportional share)		3,080.00
Report		
Drafting		500.00
Copying/Reproductions		550.00
Writing		2,950.00
TOTAL		**$ 28,700.11**

Appendix B

ROCK SAMPLE DESCRIPTIONS

ROCK DESCRIPTION SHEET PROPERTY:SUREFATE (MRZSF) 9106

SAMPLE NO.	CLAIM	WIDTH metres	UTM northing	UTM easting	ELEVATION metres	DESCRIPTION
18185	Sure 1	Float	6481430	642760	1500	Float block on east side of moraine. Stuhini volcanics, flow breccia. Extensive carbonate stockwork with <1% Py.
18186	Sure 1	Grab o/c	6482210	643510	1195	Carbonate-altered volcanic, 1% Py.
18187	Sure 1	Grab o/c	6482300	643520	1165	Carbonate-altered volcanic, weak py and silica.
18188	Sure 1	Grab o/c	6482360	643570	1150	Carbonate-altered volcanic and <10cm quartz veining. 2% pyrite. Vein subcrop.
18189	Sure 1	Grab o/c	6482330	643580	1160	Composite grab of quartz float and carb altered volcanics over 70cm. Up to 3% pyrite.
18190	Sure 1	Float	6482400	643570	1120	Float with intense carbonate veining with 3% py and fine grained specular hematite.
18198	Sure 1	sub o/c	6481940	643630	1310	Intense carb alterated volcanic with minor quartz stringers. Pyrite, galena, sphalerite and trace cpy, dominantly with quartz stringers. Sulphides less than 2%.
18199	Sure 1	o/c 20cm	6482040	643690	1245	Carbonate altered volcanics with less than 20cm veining hosting massive arsenopyrite (10%) and pyrite (2%). Trace sp and ga. Orientation appears 180/35W. Limited exposure, limited size and extent
18232	Sure 1	Grab o/c	6482150	642570	1220	Monzonite hosting pyrite, cpy, and moly in fractures 075/68S. (Zone of alteration is at least 100m along length of stream).
18544	Sure 1	Grab o/c	6481620	643210	1440	Weakly carb-altered dark green Stuhini volcanics. 2cm carb vein, diss py, galena stringers (tr).
18545	Sure 1	Grab o/c	6481660	643220	1425	Mod. to strong carb alteration zone within weakly carb-altered Stuhini volcanics. Trace ga>trace py.
18546	Sure 1	Grab o/c	6481980	643220	1295	Quartz and carb veining in mod. altered Stuhini volcanics. Up to 1% pyrite stringers.
18547	Sure 1	Float	6482120	643220	1255	Semi-massive py, hem, mag in altered green rock, volc? intr? - float.
18548	Sure 1	Grab o/c	6482190	643200	1235	Small qtz vein (1cm) - volcanic wallrock is silicified around vein; py stringers in wallrock; py, tr galena in vein.

ROCK DESCRIPTION SHEET PROPERTY:SUREFATE (MRZSF) 9106

SAMPLE NO.	CLAIM	WIDTH metres	UTM northing	UTM easting	ELEVATION metres	DESCRIPTION
18549	Sure 1	Grab o/c	6482210	643210	1230	0.5-1m wide zone of qtz veining, silicification. 5-10% py - blebby and diss.
18550	Sure 1	Grab o/c	6482680	643360	1060	Rep sample of strongly carb-altered volcanic. Trace diss. py.
18558	Sure 1	Grab o/c	6482630	643320	1090	As for 18550.
18559	Sure 1	Grab o/c	6482710	643370	1050	2-3cm quartz vein in weakly carb-altered Stuhini tuffs. Diss py (tr), possibly tr cpy.
18562	Sure 1	Grab o/c	6481620	643210	1420	Weakly carb-altered dark green Stuhini volcanics, 5cm carb vein, diss. py, galena stringers.
18563	Sure 1	Chip 30cm.	6481620	643210	1420	Chip sample over 30cm carb vein and altered wallrock - pyrite, galena (trace to 1%), diss. and stringers.
18564	Sure 1	Grab o/c	6481660	643210	1400	5cm quartz vein, 1% rusty diss. pyrite cubes.
18565	Sure 1	Grab o/c	6482060	643320	1270	Weakly altered lapilli tuff (epidote, magnetite), tr. diss. cpy.
18566	Sure 1	Grab o/c	6482050	643380	1275	0.5m wide quartz vein, 1% rusty diss. pyrite cubes
18567	Sure 1	Grab o/c float	6482080	643400	1260	Subangular quartz vein float, 1-2% cpy, malachite, azurite, specularite.
18579	Sure 1	Grab o/c	6482060	642640	1250	Quartz vein in altered, pyritic monzonite. 2% py, possible tr. moly. 1m below sample 18807.
18801	Sure 1	Float	6481310	642640		Siliceous breccia with sed. clasts and blebby py. Float, subrounded, 15cm.
18802	Sure 1	Float	6481250	642580		Altered tuff, brecciated, silicified, carb, sericitic with siliceous veinlets containing py. Float, angular, 40cm.
18803	Sure 1	Float	6481220	642630		Carbonate breccia in altered volcanic. Float, subrounded, 15cm.
18804	Sure 1	Float	6481240	642570		Carb-quartz breccia with lim.-altered volc., fine specular hematite in stringers. Float, rounded, 15cm.

ROCK DESCRIPTION SHEET PROPERTY:SUREFATE (MRZSF) 9106

SAMPLE NO.	CLAIM	WIDTH metres	UTM northing	UTM easting	ELEVATION metres	DESCRIPTION
18805	Sure 1	Float	6481400	642630		Quartz vein with blebs of chalcopyrite and malachite stains. Float, subrounded, 15cm.
18806	Sure 1	Grab o/c	6482040	642650		Altered intrusive - granodiorite? K-spar porph, sericite, clay, limonite alteration. Diss. py, alteration zones very fractured and likely structurally controlled 090/60S.
18807	Sure 1	Grab o/c	6482070	642640		Altered intrusive with siliceous veining, 6cm width with some py and mo. 25m downstream from 06.

Appendix C

ROCK ANALYTICAL RESULTS

TSL LABORATORIES

2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM: Prime Exploration Ltd.
10th Floor-Box 10
808 West Hastings Street
Vancouver, B.C. V6C 2X6

REPORT No. S3175

INVOICE #: 18142
P.O.: R3446

SAMPLE(S) OF: Rock

G. Crowe
Project: 9106 Azimuth

REMARKS: Azimuth Geological Inc.

	Au ozt	Ag ozt	Pb %	Zn %	Cu %
18198	.239/.227	5.59	.71	.83	.49
18199	.784/.780	1.40	.31	.52	.07
18579	.005	.08	.01	.02	.01

COPIES TO: J. Blackwell
INVOICE TO: Prime Exploration - Vancouver

Sep 03/91

SIGNED Bernie Dunn

CTA

COMP: AZIMUTH GEOLOGICAL INC.
PROJ: SUREFATE 9106 P.O. MRZSG
ATTN: G. CROWE/J. BLACKWELL

MIN-EN LABS — ICP REPORT

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

FILE NO: 1S-0348-RJ1
DATE: 91/08/12
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
06-0-18232	.3	3930	15	21	256	.1	2	11070	.1	6	11	26230	2400	10	1950	165	60	230	1	490	23	2	39	10	12	5.0	26	1	1	4	120	1
06-0-18562	.9	12320	47	11	23	.1	6	88970	.1	13	11	56590	210	21	39810	8229	1	10	1	320	29	1	222	1	37	93.7	73	1	1	1	22	24
06-0-18563	.7	7500	121	9	28	.1	6	73150	.1	14	39	55350	2100	9	37210	9936	1	10	7	360	34	1	121	1	27	62.6	61	1	1	2	40	43
06-0-18564	12.2	12520	16	5	95	.1	2	5700	.1	19	250	45770	1160	19	7390	818	4	10	1	400	102	1	8	1	26	100.9	63	2	1	6	119	50
06-0-18565	1.3	17870	1	4	63	.1	17	28420	.1	24	210	61760	2070	11	13990	1119	1	1320	1	1240	9	1	43	1	3645	217.4	58	2	2	6	80	2
06-0-18566	.3	4400	24	1	35	.2	1	3760	.1	7	19	15910	2140	3	560	135	41	50	3	600	8	2	5	1	42	31.9	22	1	1	8	197	10
06-0-18567	88.3	2920	230	1	90	.2	1	2540	28.7	4	7295	6600	880	3	1490	137	2	30	4	170	425	2114	6	1	11	11.5	537	1	1	6	120	38

COMP: AZIMUTH GEOLOGICAL INC.
PROJ: SUREFATE P.O. MRZSF
ATTN: G.CROWE/J.BLACKWELL

MIN-EN LABS — ICP REPORT

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

FILE NO: 1S-0360-RJ1
DATE: 91/08/12
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
18185	1.1	24210	1	23	30	.4	2	60040	.1	36	62	44560	200	48	84840	991	1	50	296	630	1	1	290	1	192	120.3	45	1	2	14	473	1
18186	.1	10060	16	14	82	.1	1	22000	.1	22	152	55120	2340	15	12390	1126	4	20	1	1140	15	1	34	1	29	97.2	84	1	1	3	69	3
18187	.1	11700	79	9	276	.1	2	36520	.1	28	45	60150	830	20	24110	1873	1	20	13	720	24	1	40	1	20	129.3	64	1	1	7	157	2
18188	.6	4530	20	6	122	.1	1	26660	.1	18	108	50020	1250	6	10330	1220	24	10	1	370	17	1	36	1	17	89.7	45	1	1	4	74	7
18189	.1	3730	51	4	199	.1	1	8960	.1	11	27	33850	1510	4	1690	425	21	10	1	310	35	1	9	1	12	37.1	64	1	1	5	144	46
18190	1.4	6640	62	4	29	.1	7	110340	.1	15	67	46570	90	9	21540	8665	4	10	7	130	60	3	555	1	52	78.0	122	5	1	3	21	30
18544	19.4	11310	198	5	31	.1	6	72160	.1	20	739	58000	1480	14	35600	11605	1	10	12	510	40	1	115	1	16	69.3	82	1	1	2	39	298
18545	.5	13250	1	3	17	.1	2	88220	.1	19	86	48500	380	19	51870	1848	1	10	1	230	9	1	132	1	55	148.8	109	1	1	1	25	1
18546	2.9	6070	63	3	114	.1	2	3390	.1	21	328	43610	1690	8	3190	161	87	10	1	290	157	4	4	1	16	44.9	150	1	1	6	144	4
18547	155.9	540	1012	17	1	.1	185	1430	658.3	63	2433	229500	70	1	210	120	1	10	1	10	15859	21	3	1	6	6.9	44919	1	1	1	40	1020
18548	3.7	29290	30	3	49	.1	13	19370	6.8	23	565	57700	3930	17	13700	924	1	2500	1	2510	1269	1	46	1	1551	138.1	935	3	2	4	53	14
18549	80.1	1610	502	4	13	.1	111	820	.1	62	3266	107360	620	1	230	1	1	90	1	150	1151	12	1	1	26	6.7	294	1	1	4	132	1150
18550	1.7	3040	28	3	63	.1	5	77570	.1	18	60	63210	1910	4	38730	4742	1	50	72	190	64	1	86	1	15	75.4	167	1	1	6	169	2
18558	2.3	3440	45	3	21	.1	6	66910	.1	24	318	52770	2620	1	25530	2604	1	30	1	460	43	4	64	1	16	71.6	159	1	1	3	53	3
18559	2.0	13300	65	1	170	.1	8	26810	.1	29	422	56520	2270	32	11960	1061	3	40	1	450	68	1	47	1	36	77.7	99	1	1	5	105	2

COMP: AZIMUTH GEOLOGICAL INC.
PROJ: TRAPPER LAKE P.O. ADLTL
ATTN: G.CROWE/J.BLACKWELL

MIN-EN LABS — ICP REPORT

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

FILE NO: 1S-0091-RJ1
DATE: 91/07/11
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
18801	2.8	6320	28	9	995	.5	1	4030	.1	9	14	22530	2150	4	630	29	713	20	13	1190	48	2	14	1	1	42.5	24	1	1	5	127	2
18802	.1	10730	1	1	25	.9	1	53470	.1	48	92	56080	110	14	46200	2920	5	10	569	510	1	1	56	1	1	126.9	48	1	1	11	308	1
18803	1.1	10300	2	1	26	.6	4	106640	.1	18	8	39110	120	22	37470	1211	1	10	9	450	13	2	168	1	1	108.5	92	1	2	1	19	1
18804	.4	9030	9	1	117	.6	3	91100	.1	20	62	51290	100	18	16540	2218	1	10	7	240	14	1	1	1	1	92.1	77	1	1	3	35	2
18805	3.6	1200	15	1	4	.2	1	12190	.1	9	11853	18060	200	2	1260	100	2	30	2	10	11	11	1	1	1	5.6	6	1	1	8	178	1
18806	1.0	4810	19	1	524	.4	4	4880	.1	4	138	22960	3150	2	810	60	1	40	1	110	40	1	9	2	1	6.3	46	1	1	3	88	1
18807	2.6	4120	17	29	307	.5	7	480	.1	5	63	25200	2930	1	400	6	2222	40	1	190	314	3	4	3	1	4.6	29	3	1	4	116	3

Appendix D

SOIL AND SILT ANALYTICAL RESULTS

COMP: AZIMUTH GEOLOGICAL INC.
PROJ: TRAPPER LAKE P.O. ADLTL
ATTN: G.CROWE/J.BLACKWELL

MIN-EN LABS — ICP REPORT

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

FILE NO: 1S-0091-SJ2
DATE: 91/07/11
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-WET PPB
18808	.1	19030	8	3	88	.8	4	8950	.1	24	91	52750	1110	20	25140	677	1	200	90	1130	7	1	12	1	1	144.2	95	1	1	7	150	5
18809	.2	22160	3	2	56	.5	5	11400	.1	23	89	44270	1060	21	23590	758	1	140	57	980	1	1	11	1	1	131.8	59	1	1	5	102	5

COMP: AZIMUTH GEOLOGICAL INC.
PROJ: SUREFATE MRZSF
ATTN: GREG CROWE/JERRY BLACKWELL

MIN-EN LABS — ICP REPORT

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

FILE NO: 1S-0353-SJ1
DATE: 91/08/17
* SILT * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-WET PPB
L 960 0+00 SILT	.9	15320	5	14	15	.1	9	20740	.1	17	108	30970	540	13	16450	482	1	140	36	780	12	1	27	1	1721	99.9	33	2	1	5	80	10

COMP: AZIMUTH GEOLOGICAL
PROJ: SUREFATE P.O. MRZSF
ATTN: G.CROWE/J.BLACKWELL

MIN-EN LABS — ICP REPORT

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

FILE NO: 1S-0303-SJ1
DATE: 91/08/09
* SILT * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-WET PPB
06 18180	.6	16930	22	14	605	.4	2	22690	.1	20	53	38180	3140	21	15430	619	2	300	123	690	15	1	80	1	158	83.8	96	2	1	3	60	5
1	.5	18990	24	12	238	.5	3	7490	.1	17	43	35410	3020	20	8400	487	1	220	102	840	17	1	31	1	191	80.8	100	3	1	3	59	10
2	.5	19410	38	14	483	.3	2	11600	.1	20	62	44380	3570	20	10270	658	1	280	114	830	18	1	49	1	235	98.9	86	3	1	4	60	5

COMP: AZIMUTH GEOLOGICAL INC.
PROJ: SUREFATE 9106 P.O. MRZSF
ATTN: G. CROWE/J. BLACKWELL

MIN-EN LABS — ICP REPORT

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

FILE NO: 1S-0354-SJ1
DATE: 91/08/16
* SILT * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-WET PPB
L 1150 0+53E	.4	12010	12	7	62	.2	5	7770	1.5	12	161	31980	460	11	6330	608	3	140	8	890	17	1	22	1	491	89.7	346	2	1	3	34	5
L 1150 4+22E	.2	11170	8	3	75	.1	5	9190	.1	11	80	27260	640	14	7270	509	1	210	12	820	19	1	24	1	591	83.5	124	2	1	3	33	5
L 1150 4+68E	.7	13240	13	3	95	.1	5	10790	.1	12	98	29940	800	15	7190	508	1	200	12	1070	17	1	32	1	526	89.5	106	3	1	3	36	5
06-1220 0+00E	.4	19420	12	2	53	.1	7	9660	.1	24	92	47770	760	19	21510	695	1	120	56	980	9	1	19	1	1292	137.7	53	3	1	6	104	5
06-1220 1+30E	.3	17870	8	2	65	.2	6	8890	.1	22	77	45320	1020	18	23560	586	1	180	80	1020	18	1	21	1	965	127.5	85	3	1	7	128	5
06-1220 2+50E	.9	13580	17	1	133	.3	4	12510	.1	11	68	24070	710	12	7810	460	1	570	20	1210	14	1	33	1	510	72.5	126	4	1	6	119	5
06-1220 4+55E	.8	13680	19	1	81	.2	4	10970	.1	11	73	25010	710	15	7630	501	3	470	15	1040	14	1	32	1	544	78.6	141	4	1	5	94	10
06-1220 5+90E	.8	11650	16	1	70	.3	4	9210	.1	10	67	22560	680	12	6980	419	2	620	13	980	16	1	24	1	499	68.4	105	4	1	4	73	15
06-1220 6+80E	1.2	15810	10	1	91	.3	4	12490	.1	15	405	30330	870	16	8200	596	6	780	8	1490	16	1	47	1	430	75.5	235	4	1	2	28	5
06-1220 8+06E	1.2	18860	17	1	157	.4	5	11730	2.9	22	335	44780	1800	21	13690	1376	1	410	25	1580	100	1	40	1	416	125.6	366	4	1	4	51	335
06-1220 9+40E	1.5	13520	23	1	96	.4	5	10920	2.1	12	256	27540	850	14	8590	650	1	640	16	1010	40	1	34	1	568	79.4	363	4	1	3	42	5
06-1220 10+05E	.9	17160	14	1	121	.2	4	11850	.1	11	87	27600	1080	16	7020	475	1	750	15	1100	14	1	38	1	660	84.7	111	4	1	3	39	5
L 1255 1+50E	.8	14930	7	1	52	.1	4	8670	.1	11	109	28580	760	20	7030	246	3	290	11	940	8	1	29	1	754	89.3	108	4	1	3	39	5

COMP: AZIMUTH GEOLOGICAL
PROJ: SUREFATE P.O. MRZSF
ATTN: G.CROWE/J.BLACKWELL

MIN-EN LABS — ICP REPORT

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

FILE NO: 1S-0303-SJ2+3
DATE: 91/08/09
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-WET PPB
L1240 1	.5	12190	22	12	324	.5	2	8210	.1	15	46	31630	1750	15	6410	338	1	170	94	730	27	1	28	1	89	63.2	76	2	1	3	42	5
L1240 2	.1	17370	18	11	181	.2	2	4170	.1	14	41	33660	2140	14	5670	287	1	180	69	610	14	1	14	1	169	84.1	75	3	1	3	49	10
L1240 3	.5	20770	19	11	233	.5	2	8230	.1	16	57	32300	2940	31	9590	628	1	250	93	640	10	1	31	1	185	84.4	74	4	1	4	59	5
L1240 4	.7	22960	16	13	250	.6	2	11450	.1	14	48	31090	3260	36	9600	387	1	840	99	780	12	1	51	1	198	79.7	70	4	1	3	60	5
L1240 5	.7	23210	12	10	310	.4	2	11570	.1	11	49	30040	2580	29	7330	439	1	550	79	1140	11	1	55	1	186	86.9	86	4	1	3	56	5
L1240 6	.2	19070	14	13	272	.4	2	6760	.1	17	46	38520	3810	23	6130	657	2	170	103	680	12	1	32	1	97	61.2	118	2	1	2	35	5
L1240 7	.2	16900	19	8	158	.3	2	2720	.1	13	43	33100	1830	9	3680	243	1	360	67	620	9	1	11	1	186	96.5	75	2	1	3	48	5
L1240 8	.5	17320	16	7	214	.2	2	5640	.1	10	33	25400	1750	9	5240	280	1	380	46	1110	9	1	20	1	179	82.1	56	3	1	3	47	5
L1240 9	.3	28020	18	8	182	.5	3	3990	.1	14	39	37040	2320	23	6680	401	1	130	64	1100	10	1	14	1	167	96.5	82	4	1	3	57	10
L1240 10	.4	19800	17	5	147	.2	2	2920	.1	8	25	21840	1510	7	3930	192	1	430	41	620	10	1	11	1	172	85.6	50	4	1	3	50	5
L1240 11	.2	24430	38	8	611	.7	2	6180	.1	23	43	40750	4570	23	8080	798	1	640	119	780	16	1	21	1	112	88.6	104	4	1	4	76	5
L1240 12	.5	14310	29	6	761	.5	2	9830	.1	25	62	36190	2000	8	4680	1694	1	570	122	3080	19	1	49	1	108	54.0	133	1	1	2	47	10
L1240 13	.7	13620	33	6	850	.5	2	11380	.1	26	65	33490	2030	7	4500	2007	1	440	117	3100	20	1	55	1	127	50.9	149	2	1	3	43	5
L1240 14	1.0	11230	16	7	1261	.8	2	17570	1.2	18	76	22390	1810	4	3960	1426	1	720	112	4290	14	1	76	2	99	29.7	171	1	1	1	28	5
L1240 15	1.1	10460	15	7	1288	.5	2	17740	.7	18	73	21590	1750	4	4030	1515	1	610	104	4080	17	1	77	2	93	28.3	194	1	1	2	26	5
L1240 16	1.0	11520	15	8	1339	.6	2	18190	.6	19	79	23570	1890	4	4240	1552	1	500	115	4430	16	1	81	2	101	31.4	199	2	1	2	29	10
L1240 17	.9	19940	21	7	972	.7	3	14800	.1	23	74	30550	2330	16	7500	1555	1	400	131	3920	15	1	73	2	126	52.2	97	3	1	3	61	5
L1240 18	.9	20400	22	7	968	.7	2	14600	.1	24	74	30680	2380	16	7500	1526	1	480	133	4090	19	1	74	2	131	51.8	95	3	1	3	63	5
L1240 19	1.0	19440	23	6	931	.8	3	14470	.1	23	71	30140	2160	16	7380	1476	1	530	127	3910	15	1	70	2	116	50.5	95	3	1	3	61	5
L JL 1	.8	13290	34	6	319	.2	2	11200	.1	12	30	31110	1380	7	4910	900	5	360	42	1010	9	1	32	1	446	92.1	52	2	1	3	37	10
L JL 2	1.0	13200	30	5	317	.1	4	17580	.1	12	27	30180	1180	6	5190	561	4	390	38	520	7	1	34	1	622	92.6	48	3	1	2	35	10
L JL 3	.9	12840	32	6	320	.1	2	15180	.1	12	32	29130	1420	8	4730	889	3	260	52	950	12	1	33	1	263	74.0	64	2	1	3	40	10
L JL 4	.7	11660	26	5	149	.1	4	7010	.1	13	40	34090	1080	6	5180	625	2	340	39	280	10	1	22	1	709	108.6	48	2	1	3	41	20
L JL 5	.5	12210	42	7	263	.4	2	8170	.1	16	45	36920	2120	10	5270	264	1	170	121	720	12	1	25	1	155	75.8	99	2	1	3	55	5
L JL 6	.5	21690	23	13	326	.5	2	8030	.1	27	87	36560	3930	19	9650	1184	1	240	120	1120	14	1	22	1	148	83.3	104	4	1	4	60	5
L JL 7	.3	15560	50	11	1708	.3	2	8160	.1	22	53	47830	3100	15	6500	674	1	180	170	800	14	1	37	1	154	94.6	100	2	1	4	65	10
L JL 8	.1	10740	111	11	2039	.3	1	11280	.1	31	63	61770	2700	7	6520	1047	2	100	212	780	16	1	47	1	49	82.8	115	1	1	3	55	5
L JL 9	.3	18890	27	11	4389	.3	2	9590	.1	23	46	43200	3210	13	4480	1030	1	140	118	960	15	1	47	1	117	76.2	104	2	1	3	45	5
L JL 10	.1	18230	24	7	677	.1	2	8730	.1	35	53	63070	1570	15	6150	2795	1	130	166	1060	19	1	35	1	184	95.4	86	1	1	3	59	5
L JL 11	.5	21020	24	5	222	.2	2	4650	.1	8	23	23050	1400	9	4300	218	2	130	35	990	10	1	15	1	171	85.3	56	4	1	3	48	5
L JL 12	.3	17100	25	12	157	.2	3	4180	.1	10	29	28340	1330	9	4440	360	1	160	44	510	13	1	15	1	263	89.9	63	2	1	3	43	5
L JL 13	.5	20610	18	8	336	.5	2	5470	.1	8	26	23950	1260	14	5230	202	1	140	46	760	8	1	16	1	204	78.8	62	3	1	3	50	5
L JL 14	.3	25470	11	9	169	.5	2	3550	.1	10	40	28140	2040	13	5770	335	2	440	51	860	10	1	15	1	198	102.3	76	5	1	4	60	5
L JL 15	.3	29970	20	9	344	.5	3	6490	.1	13	43	33670	2000	21	7550	472	1	420	73	1130	12	1	22	1	308	98.7	97	4	1	4	69	5
L JL 16	.4	25030	14	7	338	.4	2	8140	.1	10	28	26380	2020	21	7240	330	1	450	54	770	10	1	26	1	185	89.3	68	4	1	4	61	5
L JL 17	.1	25800	25	8	135	.2	2	3140	.1	15	40	48630	1900	28	5920	356	1	660	71	680	11	1	12	1	314	118.7	78	3	1	4	65	10
L JL 18	.1	27310	20	10	158	.4	3	4330	.1	20	26	48620	2320	27	13940	1179	1	500	81	1060	22	1	15	1	249	99.8	86	5	1	4	60	10
L JL 19	.2	38060	11	6	100	.6	3	3240	.1	21	35	38810	960	15	4180	968	1	590	62	1490	16	1	11	1	293	66.8	81	1	1	3	59	5
L JL 20	.1	29160	14	9	193	.4	2	2470	.1	18	44	51080	3540	34	8800	218	1	430	132	450	15	1	10	1	108	111.7	119	4	1	4	70	10
L JL 21	.3	18240	15	5	98	.2	3	3080	.1	9	41	33730	1510	12	3910	179	1	440	34	550	11	1	12	1	427	107.1	67	3	1	3	52	5
L JL 22	.1	21230	28	7	178	.4	2	4950	.1	15	38	42710	1510	23	5720	358	2	540	76	700	12	1	14	1	276	101.4	75	3	1	3	55	5
L N 01	.7	22280	29	10	659	.6	2	12780	.1	21	44	35230	2940	18	7990	937	1	570	96	820	13	1	37	1	212	83.5	72	4	1	3	58	20
L N 02	1.1	27570	6	5	261	.7	8	13980	.1	59	53	43740	750	37	35500	2773	1	660	192	1100	16	1	39	1	1097	116.5	85	1	1	6	147	5
L N 03	.3	14340	20	9	408	.4	1	13020	.1	22	68	42580	2660	9	4550	559	1	450	166	800	14	1	25	1	42	67.3	100	1	1	2	44	5
L N 04	.6	14550	17	11	2088	.4	2	26990	.1	21	52	45470	3940	9	12580	1215	1	470	121	910	16	1	106	1	36	48.8	104	3	1	2	29	10
L N 05	.1	11300	70	8	668	.4	1	13030	.1	29	74	57800	1920	8	5270	1725	1	380	231	710	16	1	52	1	43	95.3	106	1	1	4	77	5
L N 06	.3	16280	20	5	430	.5	2	7960	.1	25	54	50190	1290	11	6130	1887	1	530	115	1330	23	1	26	1	171	79.1	86	2	1	3	49	5
L N 07	.1	17270	48	6	619	.5	2	5630	.1	23	43	41750	2050	12	5450	907	1	530	115	300	16	1	20	1	198	99.2	68	2	1	4	68	10
L N 08	.1	32150	14	9	458	.4	3	6580	.1	39	61	64130	2400	31	12570	1585	1	620	164	1130	18	1	23	1	335	124.5	99	3	1	4	85	5
L N 09	.1	28470	14	11	834	.4	3	7140	.1	47	102	71650	3600	24	10960	2212	1	340	181	1260	24	1	16	1	85	121.6	141	3	1	4	84	10
L N 10	.1	26510	26	10	215	.5	3	4460	.1	24	46	48610	3220	31	10750	809	1	350	81	690	19	1	17	1	298	111.2	107	4	1	4	66	10
L N 11	.3	22080	24	7	266	.5	2	7450	.1	31	43	46820	2550	24	10960	1925	1	630	152	890	19	1	24	1	128	109.1	87	3	1	6	115	10
L N 12	.1	25110	41	7	330	.4	2	6280	.1	37	59	70850	2200	25	8250	2019	1	770	201	710	22	1	19	1	80	122.0	107	2	1	5	109	5
L N 13	.1	30400	32	8	305	.6	3	2860	.1	25	45	45820	2660	32	10450	644	1	470	149	530	18	1	11	1	112	109.1	118	5	1	5	90	5
L N 14	.3	25100	17	7	222	.2	3	4150	.1	16	31	43160	2120	34	6800	339	1	510	71	850	14	1	16	1	456	116.5	150	4	1	4	64	5
L N 15	.5	22660	22	6	228	.4	3	8670	.1	16	47	37310	1910	31	6460	916	1	570	91	600	15	1	24	1	351	100.7	105	3	1	4	60	5
L N 16	.2	22500	25	7	306	.5	2	5800	.1	18	41	38550	2430	21	6370	1117	1	600	84	1380	15	1	23	1	251	97.6	109	3	1	3	61	5
L N 17	.4	20850	24	5	114	.6	3	3860	.1	18	42	31920	2310	17	8840	498	2	150	103	500	13	1	13	1	211	84.2	83	4	1	4	66	5
L N 18	.3	20460	21	8	130	.8	2	5650	.1	22	55	38480	3570	16	9070	543	3	210	114	760	13	1	19	1	234	93.3	121	3	1	4	70	5

COMP: AZIMUTH GEOLOGICAL
PROJ: SUREFATE PO MRZSF
ATTN: G.CROWE/J.BLACKWELL

MIN-EN LABS — ICP REPORT

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

FILE NO: 1S-0326-SJ1
DATE: 91/08/09
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-WET PPB
L1400 10+00E	.5	23060	10	8	88	.1	4	7340	.1	20	119	49510	1480	25	13860	1019	1	270	26	1240	16	1	23	1	722	148.0	58	3	1	4	63	5
L1400 11+00E	.5	19850	8	7	69	.1	5	7680	.1	16	68	43820	1220	12	10010	711	1	340	20	1180	16	1	25	1	1039	147.5	47	3	1	5	66	10
L1400 12+00E	.7	23560	8	6	59	.1	5	8290	.1	18	111	42430	1120	16	13660	703	1	340	38	1140	13	1	24	1	1095	137.4	49	3	1	5	77	5
L1400 13+00E	.7	29530	12	6	96	.1	4	6810	.1	29	107	50900	1240	25	29210	1331	1	200	124	1270	14	1	18	1	857	154.2	60	1	1	10	220	5
L1400 14+00E	.9	30410	14	4	109	.7	4	9250	.1	14	76	32690	780	13	7700	606	1	730	19	2110	13	1	31	1	471	108.5	50	3	1	6	112	5
L1400 15+00E	.7	21500	10	5	53	.1	5	7470	.1	19	95	42390	1090	16	13630	927	1	280	32	1410	17	1	20	1	1051	135.4	57	3	1	5	74	10
L1400 16+00E	.7	19710	9	4	61	.1	5	6710	.1	15	76	37810	920	14	11960	622	1	610	27	1210	17	1	19	1	817	126.0	50	3	1	5	76	5
L1400 17+00E	.6	33910	1	5	155	.1	7	9060	.1	27	174	55180	1430	29	24400	1115	1	240	50	1150	10	1	22	1	1452	171.8	76	1	1	6	121	5
L1400 18+00E	.2	34050	9	4	152	.2	5	5900	.1	22	144	52430	1570	33	18700	951	1	150	36	1500	15	1	16	1	689	157.6	77	3	1	5	99	5

COMP: AZIMUTH GEOLOGICAL INC.
PROJ: SUREFATE MRZSF
ATTN: GREG CROWE/JERRY BLACKWELL

MIN-EN LABS — ICP REPORT

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

FILE NO: 1S-0353-SJ2+3
DATE: 91/08/17
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-WET PPB
L "SC" 1+00	.1	16290	12	7	56	.1	5	6940	.1	15	64	39370	660	13	12610	334	1	160	32	790	16	1	15	1	828	139.4	59	4	1	6	75	5
L "SC" 2+00	1.0	10880	14	4	350	.4	3	27600	.1	8	89	14880	460	5	3610	953	1	740	13	1160	19	1	92	1	177	40.9	42	3	1	3	33	5
L "SC" 3+00	.7	20460	18	4	333	.4	3	16100	.1	12	81	30380	1280	33	8970	489	1	1260	21	1060	20	1	130	1	464	93.2	70	4	1	3	49	5
L "SC" 4+00	.6	18280	10	3	205	.1	5	12030	.1	12	45	32700	1230	13	8700	446	1	850	19	960	18	1	53	1	874	117.4	57	5	1	4	52	5
L "SC" 5+00	.2	23380	15	4	116	.1	5	8230	.1	13	49	40420	1330	15	8570	371	1	380	15	850	14	1	27	1	913	131.7	62	4	1	4	60	5
L "SC" 6+00	.6	22380	24	2	272	.3	4	9390	.1	13	94	33650	1150	18	7570	536	1	1340	25	600	20	1	39	1	727	122.9	84	5	1	4	58	5
L "SC" 7+00	.6	28160	19	2	294	.4	5	13930	.1	15	183	35840	1220	38	10780	638	1	1190	27	1410	20	1	58	1	499	115.4	76	6	1	5	80	5
L "SC" 8+00	.5	31730	9	1	248	.4	5	13280	.1	16	146	40320	1100	29	9530	458	1	240	17	760	14	1	59	1	728	134.0	58	6	1	4	57	5
L "SC" 9+00	.4	26160	11	1	378	.3	3	4560	.1	10	34	23690	1380	14	3080	1025	1	150	6	670	16	1	17	1	247	105.1	56	6	1	2	24	10
L "SC" 10+00	.2	16720	13	1	54	.1	4	4990	.1	8	24	35390	830	4	2860	227	1	170	3	550	12	1	16	1	678	151.3	30	5	1	3	33	5
L "SC" 11+00	.3	19500	13	1	62	.1	6	6340	.1	12	65	39880	930	13	6000	313	1	250	10	870	14	1	20	1	980	139.9	39	5	1	4	47	5
L "SC" 12+00	.8	19000	13	1	53	.1	5	8720	.1	13	57	33400	650	13	9650	268	1	190	20	540	17	1	27	1	985	130.8	43	6	1	5	58	5
L "SC" 13+00	.4	25210	16	1	70	.1	6	8450	.1	17	79	48920	1020	20	11910	531	1	230	22	1120	18	1	24	1	1076	173.1	51	7	1	5	73	15
L "SC" 14+00	1.3	10080	5	1	70	.1	10	8410	.1	9	34	34600	430	2	2020	147	1	2210	1	550	20	1	19	1	2323	187.3	25	6	1	3	16	5
L "SC" 15+00	1.5	22570	23	1	272	.2	4	17160	.1	13	148	36870	740	11	6240	1082	4	1220	11	2850	21	2	77	1	535	128.8	53	7	1	4	40	10
L "SC" 16+00	1.2	21390	20	1	168	.1	5	6830	.1	7	50	18640	970	10	3860	294	1	170	5	760	18	1	22	1	784	92.5	47	7	1	3	29	5
L "SC" 17+00	.8	21590	15	1	53	.1	8	4860	.1	12	34	40630	880	6	5760	312	1	170	3	770	15	2	15	1	1232	219.6	41	9	1	4	33	5
L "SC" 18+00	1.5	15100	12	1	38	.1	7	5150	.1	5	19	15170	790	3	1990	102	1	1010	1	430	30	1	19	1	1114	77.6	17	7	1	2	17	30
L "SC" 19+00	.6	18010	16	1	37	.1	10	4650	.1	15	55	67820	560	6	5650	277	1	1240	1	380	19	1	14	1	1950	283.8	36	7	1	6	50	30
L "SC" 20+00	.9	18120	11	1	50	.1	6	4740	.1	10	37	42590	780	5	4060	430	1	150	3	790	17	2	16	1	745	202.6	42	7	1	4	39	5
L "SC" 21+00	.1	26400	19	1	134	.1	5	5700	.1	16	64	65120	1050	16	5680	1035	1	90	1	1170	25	3	20	1	220	226.6	80	6	1	7	34	10
L "SC" 22+00	.7	27090	13	1	43	.1	8	6020	.1	17	43	59650	800	11	10150	435	1	200	11	1610	26	1	21	1	1613	281.3	52	8	1	6	61	10
L "SC" 23+00	.6	16440	19	1	49	.1	7	5810	.1	15	34	56730	720	11	7050	387	1	180	6	800	19	1	19	1	1100	234.2	39	7	1	6	62	65
L "SC" 24+00	1.2	21690	29	1	231	.3	5	13420	.1	15	74	39280	1110	28	9280	849	1	220	16	980	21	3	48	1	788	125.3	58	7	1	6	107	20
L "SC" 25+00	1.3	15070	21	1	43	.1	6	6030	.1	7	27	28160	590	6	3740	228	1	1040	3	670	18	3	21	1	795	120.2	31	8	1	4	42	20
L "SC" 26+00	1.3	22770	27	1	127	.1	6	9860	.1	11	56	45880	670	10	5340	168	1	210	4	450	20	3	34	1	912	165.4	28	8	1	5	65	35
L "SC" 27+00	1.4	26410	41	1	94	.1	9	10920	.1	26	121	53160	1760	27	23290	976	1	260	56	1220	24	4	27	1	1191	169.5	67	10	1	8	118	5
L 960 1+00	1.7	26050	47	1	254	.3	8	10790	.1	16	67	36360	1900	26	10330	381	1	2760	27	570	39	6	50	3	786	123.4	90	11	1	5	63	10
L 960 2+00	1.6	19710	39	1	194	.2	7	11410	.1	17	75	35690	1390	18	10550	1122	1	350	25	940	25	5	38	2	801	114.2	60	9	1	5	59	5
L 960 3+00	1.8	16090	44	1	58	.1	7	6690	.1	12	44	38100	880	11	6350	333	1	230	9	640	19	6	19	2	613	149.5	47	11	1	5	44	40
L 960 4+00	.4	18170	4	6	177	.1	7	11500	.1	12	48	36160	840	10	7830	269	1	910	13	470	17	1	40	1	962	156.1	67	4	1	5	48	5
L 960 5+00	.6	20450	10	3	237	.1	4	15090	.1	13	139	32560	1090	34	9940	702	1	870	23	910	17	1	66	1	647	106.4	60	4	1	5	60	5
L 960 6+00	.4	15470	3	1	123	.1	3	4950	.1	4	9	12260	700	7	2020	85	1	950	9	180	8	1	19	1	648	71.6	24	4	1	2	22	10
L 960 7+00	.1	25410	1	1	218	.1	1	5850	.1	9	34	51410	1270	16	4680	320	1	960	13	740	17	1	19	1	217	129.1	58	3	1	3	45	20
L 960 8+00	.1	15020	7	1	116	.1	2	9080	.1	14	59	35560	1480	15	7420	640	1	1410	14	830	20	1	28	1	573	116.0	65	3	1	3	36	5
L 960 9+00	.4	18050	17	1	170	.1	3	9770	.1	20	140	46660	2120	21	8710	916	1	930	11	1150	59	1	38	1	335	128.3	150	3	1	3	35	280
L 960 10+00	.1	20420	4	1	133	.1	2	6180	.1	15	58	30790	970	18	6950	777	1	1710	20	890	20	1	20	1	350	103.4	64	3	1	3	49	5
L 960 11+00	.6	22360	4	1	102	.1	5	6900	.1	14	48	35980	1280	12	9900	659	1	1080	29	900	17	1	21	1	1055	137.4	51	5	1	5	64	5
L 960 12+00	.2	22810	7	1	77	.1	4	6260	.1	12	41	35290	850	11	7550	309	1	1160	18	380	12	1	18	1	988	157.4	44	5	1	4	47	5
L 960 13+00	.6	16820	4	1	103	.1	3	7550	.1	7	30	20890	880	9	4100	250	1	1040	10	490	18	1	20	1	548	112.5	50	5	1	3	33	5
L 960 14+00	.2	17930	13	1	84	.1	5	5530	.1	10	41	32650	880	9	6280	269	1	880	17	970	13	1	17	1	780	141.2	50	5	1	4	48	5
L 960 15+00	.2	25320	1	1	54	.1	6	5450	.1	14	63	56370	700	20	6310	286	1	1080	7	1050	15	1	18	1	1178	170.4	44	3	1	5	61	5
L 960 16+00	1.6	16060	6	1	203	.4	2	15030	.1	3	121	7890	370	4	2990	88	1	1130	11	2300	8	1	67	1	157	19.8	50	2	1	1	30	5
L 960 17+00	.5	14190	7	1	142	.1	4	10030	.1	11	56	24920	820	13	6550	352	1	1110	16	1060	14	1	39	1	570	79.2	48	4	1	3	39	10
L 960 18+00	.9	5860	7	1	356	.1	1	30150	.1	4	37	9900	300	4	3160	160	1	1380	6	800	10	1	161	1	225	25.7	29	3	1	1	16	5
L 960 19+00	.1	21180	3	1	149	.1	3	6210	.1	13	49	46700	650	17	7270	368	1	960	14	940	15	1	19	1	355	177.4	52	5	1	4	50	5
L 960 20+00	1.5	10300	9	1	493	.1	1	30160	.1	4	164	9860	300	2	3070	359	1	820	11	2340	9	1	117	1	111	21.1	83	2	1	1	27	5
L 960 21+00	.6	16380	9	1	49	.1	7	5910	.1	9	19	28840	710	4	4820	226	1	770	9	940	14	1	18	1	1328	143.1	36	6	1	3	36	5
L 960 22+00	.1	17510	8	1	54	.1	2	4480	.1	9	35	36320	710	8	3810	404	1	1070	2	1130	17	1	14	1	353	139.7	34	4	1	3	25	5
L 960 23+00	.3	19690	6	1	57	.1	6	5890	.1	12	33	41080	920	10	5970	275	1	1100	10	600	15	1	20	1	1086	140.0	42	5	1	4	53	5
L 960 24+00	.1	29580	7	1	59	.1	8	6300	.1	19	68	56580	1010	26	13730	409	1	1160	33	790	15	1	18	1	1293	172.4	55	5	1	6	91	5
L 960 25+00	.3	18600	3	1	57	.1	4	4880	.1	10	41	48640	690	2	3200	356	1	1390	1	870	21	1	16	1	765	252.2	46	6	1	4	31	5
L 960 26+00	.2	20760	6	1	42	.1	5	5440	.1	11	39	48390	770	7	5180	654	1	1120	1	1260	18	1	20	1	1005	198.0	42	5	1	4	42	5
L 960 27+00	.2	23250	3	1	35	.1	5	7060	.1	15	41	59390	720	10	8940	310	1	1370	12	810	17	1	23	1	1303	225.3	41	5	1	6	79	140
L 960 28+00	.1	18570	2	1	46	.1	7	6020	.1	11	35	60520	780	4	3280	183	1	1590	1	2850	17	1	26	1	1478	230.0	30	4	1	6	82	5
L 960 29+00	.5	17690	13	1	74	.1	4	7890	.1	15	90	39680	840	14	8680	503	1	1040	17	910	15	1	22	1	859	134.9	45	5	1	4	54	5
L 960 30+00	.7	19820	10	1	131	.1	4	9160	.1	11	42	28570	640	19	7440	223	1	1230	16	510	15	1	28	1	859	113.6	40	5	1	4	51	5
L 960 31+00	.4	26860	13	1	147	.1	6	9750	.1	20	77	48250	820	24	16230	579	1	1060	34	910	23	1	28	1	942	177.2	68	6	1	6	83	10
L 960 32+00	.6	17050	9	1	49	.1	4	5670	.1	8	30	29430	460	8	5450	158	1	1290	10	700	15	1	18	1	650	107.6	25	5	1	3	47	5

COMP: AZIMUTH GEOLOGICAL
PROJ: SUREFATE P.O. MRZSF
ATTN: G.CROWE/J.BLACKWELL

MIN-EN LABS — ICP REPORT

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

FILE NO: 1S-0298-SJ1+2
DATE: 91/08/09
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-WET PPB
L1160 00+00	.4	15990	24	12	318	.3	3	8770	.1	13	48	29000	1880	14	7000	463	1	230	69	1000	17	1	36	1	243	77.2	82	3	1	3	50	5
L1160 01+00	.9	21180	15	10	573	.7	2	17070	.1	12	57	26110	1940	18	9990	408	1	590	89	1500	12	1	85	1	96	59.5	78	3	1	3	49	5
L1160 02+00	.1	18220	18	8	94	.1	1	2430	.1	9	32	27250	1930	5	3000	123	1	90	43	890	9	1	11	1	129	109.9	66	4	1	3	48	5
L1160 03+00	.2	22640	21	8	135	.2	2	4580	.1	14	46	36540	2210	10	5780	308	1	490	63	650	11	1	18	1	299	110.4	77	3	1	4	60	10
L1160 04+00	.2	20010	14	7	120	.1	3	5430	.1	15	41	36180	1680	12	6280	344	1	320	67	560	10	1	20	1	522	109.5	63	2	1	4	56	5
L1160 05+00	.5	22620	17	10	335	.1	3	6730	.1	11	32	30320	2680	19	7270	350	1	260	58	540	8	1	32	1	480	105.2	79	4	1	4	64	5
L1160 06+00	.8	23030	19	6	381	.4	3	11060	.1	12	38	27150	2310	15	7050	780	1	630	56	1050	14	1	54	1	193	83.7	97	5	1	3	52	5
L1160 07+00	.5	18010	13	5	179	.1	3	4660	.1	9	22	27160	1980	10	4530	547	1	170	35	810	9	1	18	1	399	96.5	71	4	1	3	47	5
L1160 08+00	.1	35270	9	9	337	.3	4	5780	.1	22	50	44380	3350	52	14260	729	1	660	123	850	18	1	21	1	357	138.1	149	5	1	6	105	5
L1160 09+00	.1	21460	85	6	379	.2	2	8250	.1	22	38	41620	3670	20	5510	861	1	670	118	1080	16	1	30	1	110	92.5	115	2	1	4	75	5
L1160 10+00	.6	11770	12	12	387	.4	1	16370	.1	22	48	29430	2510	8	7060	1574	1	650	84	3620	16	1	169	1	82	46.4	134	1	1	2	42	5
L1160 11+00	.3	21750	14	7	882	.3	2	12470	.1	28	63	36500	3080	14	6120	2449	1	610	97	5330	19	1	55	1	118	60.4	123	2	1	3	49	5
L1160 12+00	.8	14400	16	6	775	.6	3	17800	4.3	29	94	29100	2380	9	4990	2648	2	630	160	4120	21	1	62	1	109	43.0	144	1	1	2	39	10
L1160 13+00	.6	15240	28	8	1278	.5	3	16210	.1	24	65	32410	2580	11	5590	2126	1	490	102	4020	22	1	97	1	87	47.7	142	2	1	2	37	5
L1160 14+00	.1	17160	61	6	986	.4	2	9630	.1	23	51	40810	3270	14	5300	2200	1	590	103	2350	21	1	26	1	103	68.8	150	2	1	3	53	5
L1160 15+00	.2	16130	14	4	239	.1	2	4660	.1	13	24	30700	1500	17	4550	512	1	590	43	1100	14	1	18	1	238	90.7	89	3	1	3	53	5
L1160 16+00	.1	15990	73	5	1127	.6	1	8320	.1	20	58	44010	3720	10	4780	851	3	40	105	2550	19	2	36	1	33	62.0	135	1	1	2	41	10
L1160 17+00	.2	18690	16	5	153	.1	3	4870	.1	12	29	36540	1830	16	5200	297	1	230	46	1270	6	1	18	1	453	109.6	92	3	1	3	54	5
L1160 18+00	.1	21140	18	6	344	.1	4	5320	.1	14	37	39530	2620	16	5600	526	1	750	51	1300	14	1	19	1	400	115.8	102	3	1	4	61	5
L1160 19+00	1.0	15250	27	7	1248	.6	3	18310	3.9	24	104	30740	3030	8	5730	2275	1	590	98	3790	18	1	79	1	225	57.4	256	3	1	3	47	5
L1160 20+00	.8	16020	19	8	492	.5	3	15960	.1	18	64	29240	3260	10	5760	1262	1	1000	72	2850	15	1	60	1	280	69.2	111	2	1	3	46	10
L1160 21+00	.5	19280	12	7	369	.1	4	7930	.1	17	42	37510	2300	12	6270	946	1	760	45	860	13	1	33	1	670	111.6	84	2	1	3	56	5
L1160 22+00	.3	19960	6	5	388	.1	3	6600	.1	13	31	35530	2010	19	4600	1200	1	750	44	1430	15	1	25	1	283	104.5	84	2	1	3	57	5
L1160 23+00	.3	29970	16	7	316	.6	3	9020	.1	28	56	48930	2420	34	12100	1868	1	1080	125	1420	20	1	33	1	285	128.6	77	4	1	6	129	10
L1160 24+00	.1	30330	10	8	366	.6	4	6620	.1	28	54	45450	3850	36	12950	2542	1	410	115	1920	21	1	28	1	281	132.5	144	4	1	5	105	5
L "SF" 01	.1	30090	19	7	256	.5	2	4160	.1	14	39	41920	2300	19	6270	402	1	610	67	1910	14	1	18	1	112	96.1	112	4	1	4	70	5
L "SF" 02	.4	17640	14	6	255	.4	2	8860	.1	13	42	30110	2320	15	8100	464	1	490	81	820	12	1	34	1	196	76.6	62	3	1	3	52	10
L "SF" 03	.2	15750	20	5	732	.4	2	7750	.1	14	40	32300	2080	14	5970	436	1	490	93	860	12	1	24	1	123	71.9	71	2	1	3	47	5
L "SF" 04	.4	23490	17	4	362	.5	2	5410	.1	10	40	26510	1480	14	6530	263	1	670	70	930	9	1	17	1	110	75.8	65	3	1	3	54	5
L "SF" 05	.1	21870	13	5	376	.4	1	6210	.1	12	62	34190	1860	12	5270	343	1	480	85	2880	12	1	24	1	74	68.8	66	2	1	3	59	5
L "SF" 06	.1	16110	20	9	441	1.0	1	7040	.1	29	68	53440	2710	12	4980	986	2	460	193	840	14	2	18	3	39	68.5	114	1	1	3	52	5
L "SF" 07	.1	20620	2	8	743	1.0	2	7920	.1	31	72	45680	3250	16	6210	1681	1	470	162	1410	19	2	23	3	72	68.5	121	1	1	3	51	5
L "SF" 08	.3	14360	9	7	1346	1.0	2	18640	.1	23	65	34630	2060	7	4230	1758	1	660	157	3520	16	2	77	2	98	51.8	103	1	1	3	44	5
L "SF" 09	.1	16130	19	7	946	.8	2	10620	.1	21	77	41530	2950	8	3630	1135	1	680	171	3100	13	2	39	1	85	61.1	131	1	1	3	48	10
L "SF" 10	.1	19570	12	8	570	.7	1	10630	.1	32	64	44610	3570	14	6060	1635	2	390	138	1830	19	2	31	2	73	72.4	115	1	1	3	56	5
L "SF" 11	.1	21960	13	8	544	.7	2	9070	.1	30	55	43560	3120	19	7570	2175	1	610	117	1430	22	2	29	1	280	97.5	94	1	1	4	67	5
L "SF" 12	.1	22970	33	7	472	.9	1	3590	.1	25	58	49000	3450	18	6910	1575	2	500	123	2920	15	2	19	1	93	78.7	123	1	1	4	60	5
L "SF" 13	.1	26820	12	6	522	1.0	2	5600	.1	26	61	51810	2520	33	9070	1823	1	560	111	2690	19	1	23	1	175	105.7	140	1	1	5	83	5
L "SF" 14	.1	19010	12	6	1068	.9	3	15680	.1	36	73	35010	2250	13	6950	2981	1	1220	117	4410	26	1	72	1	140	66.1	114	1	1	4	60	10
L "SF" 15	.7	13100	4	6	1747	.7	3	24500	.2	25	95	23000	1680	6	5050	2474	1	980	155	3970	18	2	117	1	142	40.3	95	1	1	2	38	5
L "SF" 16	.1	16640	5	4	282	.7	2	6080	.1	20	44	38960	2040	15	5650	1377	1	570	70	2090	16	2	24	1	101	85.0	108	1	1	3	52	5
L "SF" 17	.1	26220	5	7	436	1.1	3	9160	.1	37	72	39990	2600	28	12360	1882	1	760	147	2380	23	3	39	2	190	94.3	109	2	1	5	87	10
L "SF" 18	.1	26690	1	6	318	.6	4	6890	.1	24	46	47470	2020	21	10960	1593	1	840	75	2320	21	1	39	1	616	113.5	120	2	1	4	62	5
L "SF" 19	.1	24080	1	7	510	1.0	3	11980	.1	32	77	38450	2980	23	9920	1817	1	450	136	2750	18	2	49	1	183	82.2	108	2	1	5	76	5
L "SF" 20	.2	28220	1	6	347	.5	6	9100	.1	29	48	46990	2160	23	12630	1521	1	1700	75	1950	21	1	60	1	1089	119.2	111	2	1	5	58	5
L "SF" 21	.1	28470	1	9	337	.9	3	4370	.1	33	57	42050	3440	27	9830	1933	2	400	132	1210	22	2	15	2	178	101.1	135	2	1	5	73	5
L "SF" 22	.1	19330	18	7	441	.8	2	4390	.1	27	64	45750	3200	14	5180	1135	2	570	170	950	14	2	13	1	49	72.0	121	1	1	3	53	5
L "SF" 23	.1	14840	11	6	251	.3	2	4190	.1	18	45	44140	2170	9	3540	593	1	420	97	1120	11	1	16	1	162	88.6	91	1	1	3	51	5

COMP: AZIMUTH GEOLOGICAL INC.
PROJ: SUREFATE 9106 MRZSF
ATTN: GREG CROWE/JERRY BLACKWELL

MIN-EN LABS — ICP REPORT

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

FILE NO: 1S-0356-SJ1+2
DATE: 91/08/16
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-WET PPB
06-1150 0+00E	.1	17790	3	5	29	.1	5	4140	.1	9	23	43540	330	3	2670	216	1	820	1	690	9	1	12	1	975	178.5	26	2	1	4	36	5
06-1150 0+25E	.2	16420	7	2	50	.1	4	6640	.1	10	38	30580	530	9	4650	274	3	700	4	920	10	1	20	1	744	103.4	66	2	1	3	42	5
06-1150 0+50E	.2	17560	4	1	70	.3	4	7860	.1	9	144	26360	640	14	5900	349	4	590	9	1210	13	1	28	1	551	85.8	416	3	1	3	41	5
06-1150 0+75E	.1	21240	1	1	57	.1	2	5050	.1	12	52	65670	600	10	3440	625	5	580	1	1320	16	1	14	1	402	136.6	75	2	1	3	33	10
06-1150 1+00E	.1	19830	1	1	21	.1	6	4460	.1	11	31	57940	380	5	3610	205	1	490	1	340	11	1	13	1	1472	187.1	23	2	1	4	60	5
06-1150 1+25E	.4	10390	1	1	35	.1	4	5330	.1	6	15	19900	310	5	3780	122	1	640	7	340	8	1	14	1	766	89.8	34	3	1	2	25	5
06-1150 1+50E	.4	11530	2	1	21	.1	6	4020	.1	7	16	24040	310	2	3130	98	1	630	4	470	12	1	10	1	1205	104.0	23	3	1	3	44	5
06-1150 1+75E	.2	17500	1	1	53	.1	6	7520	.1	12	36	32100	570	19	7830	611	7	530	10	830	13	1	18	1	976	105.5	303	4	1	3	48	5
06-1150 2+00E	.1	12840	10	1	45	.1	3	6090	.1	10	48	28830	400	16	5800	297	3	810	7	570	13	1	17	1	468	94.2	114	3	1	2	32	5
06-1150 2+25E	.1	14840	3	1	39	.1	4	3650	.1	10	49	44120	320	6	4190	223	2	590	3	550	41	1	10	1	774	173.5	47	3	1	4	38	5
06-1150 2+50E	.2	22820	3	1	121	.1	4	6710	.1	11	70	31540	830	14	7460	332	8	400	9	550	43	1	20	1	591	145.4	87	5	1	3	36	10
06-1150 2+75E	.1	26410	9	1	99	.1	5	5950	.1	13	83	44510	650	13	8320	420	3	640	13	1030	39	1	19	1	627	182.7	94	5	1	4	52	5
06-1150 3+00E	.5	16480	1	1	117	.1	5	11060	.1	10	60	28120	580	7	3790	815	1	570	4	770	12	1	29	1	1053	117.3	58	3	1	3	31	5
06-1150 3+25E	.8	24110	6	1	119	.1	5	9090	.1	11	69	31680	760	16	6230	365	1	1010	9	1330	13	1	26	1	916	115.3	88	5	1	3	42	5
06-1150 3+50E	.1	28860	1	1	124	.1	6	8060	.1	14	51	42860	1250	24	8520	407	1	730	8	500	18	1	27	1	1023	159.7	125	4	1	4	44	5
06-1150 3+75E	.1	22830	1	1	67	.1	7	6610	.1	13	40	45820	840	20	6430	328	1	740	3	460	10	1	18	1	1558	183.3	59	4	1	4	44	5
06-1150 4+00E	.3	13120	1	1	26	.1	6	6220	.1	9	23	35830	560	3	3760	206	1	730	1	460	11	1	19	1	1321	171.6	26	4	1	4	43	5
06-1150 4+25E	1.0	16870	17	1	132	.1	4	14440	.1	12	104	35180	1220	18	8010	548	1	700	11	1290	27	1	47	1	545	108.7	175	4	1	3	44	5
06-1150 4+50E	.2	20040	2	1	97	.1	5	7990	.1	15	63	41750	910	20	9310	691	1	590	15	710	12	1	24	1	1104	136.4	54	3	1	4	53	5
06-1150 4+75E	.5	13730	1	1	33	.1	4	5200	.1	6	22	22050	670	5	4060	171	1	610	4	550	10	1	17	1	702	89.2	28	3	1	2	32	5
06-1150 5+00E	.1	17290	10	1	51	.1	1	1160	.1	10	37	55430	530	3	2780	449	1	650	1	930	16	1	5	1	227	256.8	27	2	1	3	9	10
06-1150 5+25E	.1	19080	6	1	77	.2	4	7040	.1	14	109	31340	800	14	8350	376	1	570	27	880	11	1	17	1	651	98.1	47	2	1	3	50	5
06-1150 5+50E	.2	18420	5	1	53	.1	5	7480	.1	14	72	35030	690	13	9280	474	1	840	19	1010	13	1	19	1	930	114.9	44	3	1	4	54	20
06-1150 5+75E	.1	16230	2	1	29	.1	5	5280	.1	10	30	35530	660	5	5640	191	1	790	7	510	10	1	15	1	1108	160.0	26	4	1	4	44	5
06-1150 6+00E	.2	14970	5	1	42	.1	5	5700	.1	10	35	35590	640	7	4970	249	1	570	6	830	8	1	16	1	946	133.4	30	3	1	4	41	5
06-1150 6+25E	.4	14180	3	1	42	.1	5	8610	.1	12	55	34650	690	10	7210	306	1	820	13	1240	10	1	25	1	1032	124.3	34	3	1	4	46	5
06-1150 6+50E	.3	21560	3	1	99	.1	5	9050	.1	16	64	40560	1040	12	7680	520	1	1050	17	1080	19	1	28	1	839	133.8	53	4	1	4	53	5
06-1150 6+75E	.1	18900	36	1	82	.1	3	7540	.1	15	49	37880	890	19	6650	1051	1	740	8	1020	16	1	21	1	603	130.0	175	3	1	3	41	5
06-1150 7+00E	.2	24210	7	1	122	.2	4	12700	.1	14	107	37150	680	16	6580	1333	1	710	10	2080	16	1	33	1	471	122.9	61	3	1	3	41	5
06-1220 0+75E	.9	11420	3	1	36	.1	2	4270	.1	2	10	6750	510	3	1020	56	1	410	3	630	11	1	13	1	422	48.9	35	4	1	2	21	5
06-1220 1+00E	.5	15650	12	1	47	.1	3	5940	.1	9	42	23120	480	14	7100	211	1	380	14	1100	15	1	13	1	518	90.0	61	3	1	4	55	5
06-1220 1+25E	.4	11680	12	1	136	.1	5	7570	.1	17	72	43570	830	9	9620	635	9	490	16	1040	37	1	16	3	796	90.5	61	3	1	3	52	10
06-1220 1+65E	.3	10220	10	1	29	.1	2	3630	.1	5	22	18030	490	2	2720	103	2	90	9	460	9	1	9	1	211	79.6	37	3	1	2	33	5
06-1220 2+00E	.7	14980	10	1	45	.1	3	3310	.1	8	33	28590	560	5	5040	373	2	330	11	1040	12	1	11	1	374	106.1	42	4	1	4	63	5
06-1220 3+00E	.5	15430	3	1	33	.1	4	3690	.1	8	32	28800	430	8	3670	207	1	520	2	560	11	1	11	1	803	109.2	39	4	1	3	43	5
06-1220 3+50E	.4	12240	8	1	68	.1	3	7400	.1	18	196	23900	560	12	6910	381	1	700	16	1090	17	1	18	1	433	67.5	95	3	1	3	39	5
06-1220 4+00E	.8	12560	10	1	87	.3	3	9350	.1	13	165	22400	500	12	6460	507	2	580	16	1480	14	1	26	1	316	62.5	122	3	1	4	70	5
06-1220 5+00E	.6	6700	1	1	36	.1	3	1720	.1	1	7	3170	230	1	400	24	1	390	1	260	10	1	6	1	473	25.5	16	4	1	1	9	10
06-1220 5+50E	.3	12060	8	1	31	.1	3	3330	.1	7	39	21980	490	5	2710	295	4	440	2	860	14	1	11	1	288	73.3	38	3	1	2	20	5
06-1220 6+50E	.4	20900	12	1	40	.1	8	4080	.1	12	185	35930	810	17	9500	282	7	390	6	1170	19	1	11	1	314	95.1	259	4	1	3	34	5
06-1220 7+00E	.3	13580	9	1	67	.2	4	7310	.1	11	146	25700	450	16	5460	698	6	460	10	1210	16	1	27	1	407	74.2	220	4	1	2	33	5
06-1220 7+25E	.6	18970	12	1	105	.4	3	10350	.1	10	389	27180	570	17	5810	1053	6	680	10	2540	21	1	45	1	332	70.5	358	3	1	3	43	5
06-1220 7+50E	.4	12070	6	1	66	.1	3	7810	.1	7	84	25400	450	8	3360	223	3	640	3	700	69	1	28	1	499	87.1	298	3	1	2	29	10
06-1220 7+75E	.4	11560	2	1	20	.1	3	3670	.1	4	24	17150	290	4	2440	106	1	360	2	340	8	1	12	1	500	74.1	25	3	1	2	22	5
06-1220 8+00E	.4	14530	14	1	69	.2	3	5080	.1	17	98	39540	750	14	8280	1141	1	450	10	1000	89	1	13	1	235	114.5	142	3	1	3	32	5
06-1220 8+50E	.4	16950	8	1	125	.1	4	9860	.1	8	31	23800	610	11	4890	562	1	390	7	1610	25	1	31	1	468	103.0	67	4	1	2	33	5
06-1220 8+75E	.4	14430	7	1	63	.1	4	9060	.1	8	16	22970	430	10	5420	224	1	400	8	450	22	1	22	1	703	122.5	55	5	1	3	37	10
06-1220 9+25E	.5	12670	16	1	65	.1	4	7480	.1	8	54	20200	700	14	5930	186	1	530	12	720	16	1	21	1	618	74.1	69	4	1	2	31	5
06-1220 9+75E	.8	14910	16	1	107	.1	4	10250	.1	12	135	34110	810	15	6890	1737	4	720	17	1440	20	1	31	1	454	97.4	72	3	1	3	41	5
06-1220 10+50E	1.4	15390	93	1	88	.1	3	10640	.1	10	154	29560	810	22	5040	445	1	610	10	860	16	1	33	1	439	96.0	239	3	1	3	36	5
06-1220 11+00E	.3	16570	34	1	107	.1	4	8150	.1	10	46	28540	710	18	6040	330	1	450	12	710	19	1	24	1	603	101.3	92	4	1	3	39	10
06-1220 11+75E	.1	19350	190	1	177	.1	3	9050	.1	26	81	64650	860	30	6610	1178	1	520	1	900	34	1	26	1	375	210.3	146	4	1	3	34	5
06-1220 12+00E	.9	17440	191	1	121	.3	3	15180	.1	13	228	31120	500	16	7260	848	1	540	17	2200	19	1	46	1	407	81.4	316	3	1	3	56	5
06-1220 12+30E	.3	12960	83	1	76	.1	4	9120	.1	12	75	31640	500	16	6630	441	1	640	14	730	16	1	22	1	466	96.4	237	3	1	3	47	5
06-1255 0+00E	.3	14990	9	1	42	.1	2	3510	.1	6	42	25330	330	7	3130	109	2	350	5	990	10	1	10	1	285	70.0	33	2	1	2	34	5
06-1255 0+25E	.4	12660	8	1	47	.1	3	9010	.1	7	36	24510	380	14	4020	123	4	470	3	510	10	1	23	1	453	85.1	70	3	1	3	38	10
06-1255 0+50E	.7	14930	10	1	66	.1	4	8120	.1	15	152	29660	800	15	8210	503	4	530	12	1320	17	1	22	1	564	77.3	144	3	1	3	54	5
06-1255 0+75E	.7	13550	12	1	60	.2	4	7670	.1	13	140	26150	800	14	7320	457	3	560	11	1190	14	1	21	1	539	69.8	130	3	1	3	47	5
06-1255 1+00E	.1	20280	4	1	36	.1	4	4660	.1	10	39	45140	380	10	3630	181	1	420	1	540	13	1	14	1	720	139.0	30	1	1	4	53	5
06-1255 1+25E	.6	12800	10	1	65	.1	3	7670	.1	10	62	27800	540	16	6250	317	6	480	10	810	9	1	25	1	569	91.4	76	4	1	3	36	5

COMP: AZIMUTH GEOLOGICAL INC.
PROJ: SUREFATE 9106 MRZSF
ATTN: GREG CROWE/JERRY BLACKWELL

MIN-EN LABS — ICP REPORT

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

FILE NO: 1S-0356-SJ3
DATE: 91/08/16
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
06-1255 1+75E	.3	23500	12	4	81	.1	4	6820	.1	16	70	37130	1040	16	13820	549	1	210	32	970	15	1	21	1	725	138.6	78	5	1	6	95	5
06-1255 2+00E	6.8	18240	66	9	137	.1	12	6690	.1	64	2276	163720	1790	15	8410	1815	46	380	1	1570	213	1	15	1	535	110.7	725	1	1	1	26	35
06-1255 2+25E	.8	17980	8	1	88	.1	3	10990	.1	8	77	31330	670	33	3960	166	1	710	1	870	30	1	38	1	552	107.6	121	4	1	4	48	5
06-1255 2+50E	1.2	16920	2	1	88	.1	3	7740	.1	14	49	22080	980	18	3000	2880	4	520	9	1350	31	1	27	1	464	76.6	133	3	1	2	25	5
06-1255 2+75E	.3	18160	1	1	32	.1	5	4190	.1	9	34	41790	510	5	2260	155	1	610	1	480	8	1	14	1	1184	146.4	23	4	1	3	41	5
06-1255 3+00E	.2	19400	19	1	84	.1	4	4440	.1	11	56	38530	940	12	4250	958	2	580	7	1540	69	1	21	1	474	132.2	100	4	1	4	62	5
06-1255 3+25E	1.1	17750	20	1	95	.4	3	12970	.1	11	244	27500	740	23	8300	515	1	700	20	2220	39	1	46	1	493	73.4	89	4	1	3	57	5
06-1255 3+50E	.6	15310	9	1	88	.1	4	9270	.1	12	122	28410	920	15	7750	358	1	750	19	840	11	1	28	1	764	95.3	91	4	1	3	44	10
06-1255 3+75E	.7	14370	16	1	90	.2	3	12990	.1	10	76	25590	610	12	5850	581	1	660	10	1080	14	1	49	1	602	83.2	69	3	1	3	32	5
06-1255 4+00E	.9	8820	6	1	39	.1	2	5140	.1	2	9	6860	560	2	1070	58	1	440	2	540	8	1	19	1	594	38.5	13	4	1	2	19	5
06-1255 4+25E	.4	18700	7	1	57	.1	4	9230	.1	10	40	28040	700	11	6510	302	1	670	10	700	12	1	26	1	763	99.6	40	4	1	3	43	5
06-1255 4+50E	.4	20390	14	1	137	.1	4	11150	.1	14	84	36930	1320	15	9410	631	1	960	19	1020	18	1	39	1	824	123.2	51	4	1	4	48	60
06-1255 4+75E	.5	21700	4	1	61	.1	4	5840	.1	7	27	24330	830	7	4280	177	1	750	8	720	5	1	20	1	819	97.0	34	5	1	4	50	5
06-1255 5+00E	.6	13010	8	1	45	.1	4	5480	.1	5	14	18570	720	3	2040	125	1	540	1	470	10	1	23	1	984	95.4	25	5	1	2	26	5
06-1255 5+25E	.4	18930	64	1	89	.2	3	14530	.1	11	73	35710	870	19	7180	763	1	500	7	1860	12	1	47	1	545	112.3	82	4	1	3	39	10
06-1255 5+50E	.4	16530	25	1	96	.1	2	12870	.1	10	57	34270	810	15	5730	480	1	520	7	1630	12	1	41	1	517	103.2	47	3	1	3	45	5
06-1255 5+75E	3.6	21400	42	1	158	.1	6	7230	.1	26	197	75730	1850	21	8710	2310	1	420	4	1480	155	1	18	1	353	213.8	178	2	1	4	34	115
06-1255 6+00E	2.3	18580	102	1	89	.1	5	11000	.1	13	100	39230	1130	19	8450	398	1	680	12	1060	82	1	34	1	759	128.2	185	4	1	4	53	50
06-1255 6+25E	.5	24680	58	2	114	.2	5	9280	.1	17	105	41850	1460	15	9790	703	1	810	24	810	20	1	30	1	979	133.3	78	4	1	4	59	20
06-1255 6+50E	.3	20700	14	1	93	.1	5	8020	.1	15	71	37000	1040	14	8870	622	1	830	19	600	12	1	23	1	983	123.3	53	4	1	4	50	5
06-1255 7+00E	.5	17940	45	1	160	.2	4	11360	.1	13	82	31520	1260	19	9580	638	1	480	17	820	16	1	40	1	717	99.0	275	4	1	3	47	5
06-1255 7+25E	.9	19470	232	1	160	.4	2	16770	.1	13	116	30990	720	14	7310	1019	1	660	12	2670	80	1	57	1	379	76.4	303	4	1	3	51	5
06-1255 7+50E	.1	21840	181	1	117	.3	3	10850	.1	15	114	39760	940	29	9550	1315	1	570	16	2150	31	1	32	1	420	115.3	148	3	1	3	48	10
06-1255 7+75E	.1	20150	6	1	77	.1	4	6140	.1	12	38	41760	640	19	6710	519	1	470	3	880	11	1	20	1	758	163.2	47	5	1	4	37	5
06-1255 8+00E	.7	21980	17	1	123	.5	4	11780	.1	11	91	32790	770	22	7020	734	1	590	13	1930	15	1	37	1	428	96.3	62	3	1	3	47	5

AZIMUTH GEOLOGICAL INC.
J: TRAPPER LAKE/SUREFATE
ATTN: GREG CROWE/JERRY BLACKWELL

MIN-EN LABS — ICP REPORT

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

FILE NO: 1S-0309-SJ2
DATE: 91/08/09
• SOIL • (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-WET PPB
L1400 0+00E	.2	24570	6	3	44	.3	4	10970	.1	24	103	44540	1000	21	25970	1219	1	1600	44	980	15	1	17	1	870	132.3	70	1	1	6	120	5
L1400 1+00E	.2	19840	5	3	85	.5	2	10920	.1	18	126	39390	920	16	14180	1205	1	1370	24	1070	16	1	22	1	548	121.3	59	2	1	4	73	5
L1400 2+00E	.1	24710	5	4	64	.2	2	6890	.1	35	136	69530	1690	16	20520	4930	1	60	146	750	13	1	10	1	130	104.3	67	1	1	7	144	120
L1400 3+00E	.1	26580	11	3	60	.4	4	9750	.1	23	177	50140	1190	18	16050	1406	1	1150	32	1430	14	1	17	1	733	151.7	69	1	1	5	74	10
L1400 4+00E	.1	25310	4	2	77	.6	3	10820	.1	21	150	46840	1060	19	18230	1086	1	1360	49	1490	14	2	19	1	507	143.9	69	1	1	6	105	5
L1400 5+00E	.4	25690	1	3	49	.3	6	8690	.1	26	131	44210	870	21	25890	1126	1	150	47	900	4	1	22	1	1437	140.3	58	1	1	7	134	5
L1400 6+00E	.1	32860	1	3	70	.5	3	6200	.1	25	121	48000	960	34	27380	838	1	1080	47	980	11	2	16	1	570	160.5	84	1	1	8	162	5
L1400 7+00E	.4	22460	1	2	73	.4	5	9060	.1	28	76	45500	820	20	31620	1046	1	240	151	1010	7	1	23	1	965	133.5	59	1	1	9	199	5
L1400 8+00E	.1	19640	2	2	66	.1	4	7190	.1	17	60	42980	870	15	12730	694	1	1460	27	700	18	1	20	1	955	144.3	55	2	1	5	81	5
L1400 9+00E	.1	29500	3	3	149	.6	3	6540	.1	21	131	47300	1380	32	19640	689	1	1410	47	1390	20	3	17	1	364	149.3	82	2	1	6	92	10

TSL LABORATORIES

2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM: Prime Exploration Ltd.
10th Floor-Box 10
808 West Hastings Street
Vancouver, B.C. V6C 2X6

REPORT No. S3223

INVOICE #: 18191
P.O.: R3447

SAMPLE(S) OF: Soils

G. Crowe
Project: 9106 Azimuth

REMARKS: Azimuth Geological Inc.

	Au ppb
L1255 0+50W	25
L1255 1+00W	15
L1255 1+65W	15
L1255 2+00W	5
L1255 2+50W	<5
L1255 3+00W	5
L1255 3+80W	5
L1255 4+50W	10
L1255 5+10W	40
L1320 0+00	15
L1320 0+50E	5
L1320 1+00E	5
L1320 1+50E	15
L1320 2+00E	10
L1320 2+50E	5
L1320 3+00E	15
L1320 3+50E	10
L1320 4+00E	20
L1320 4+50E	10
L1320 5+00E	10

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CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM: Prime Exploration Ltd.
10th Floor-Box 10
808 West Hastings Street
Vancouver, B.C. V6C 2X6

REPORT No. S3223

INVOICE #: 18191
P.O.: R3447

SAMPLE(S) OF: Soils

G. Crowe
Project: 9106 Azimuth

REMARKS: Azimuth Geological Inc.

	Au ppb
L1320 5+50E	5
L1320 6+00E	5
L1320 6+50E	5
L1320 7+00E	5
L1320 7+50E	35
L1320 8+00E	15
L1320 8+50E	<5
L1320 9+00E	10
L1320 9+50E	10
L1320 10+00E	20
L1320 10+50E	65
L1320 11+00E	5
L1320 11+50E	10
L1320 12+00E	60
L1320 12+50E	10
L1320 13+00E	35
L1320 13+50E	25
L1320 14+00E	5
L1320 14+50E	5
L1320 15+00E	<5

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REPORT No. S3223

INVOICE #: 18191
P.O.: R3447

SAMPLE(S) OF: Soils

G. Crowe
Project: 9106 Azimuth

REMARKS: Azimuth Geological Inc.

	Au ppb
L1320 15+50E	50
L1320 16+00E	10
L1320 16+50E	10
L1320 17+00E	10
L1320 17+50E	5
L1320 18+00E	45
L1320 18+50E	Not Rec'd
L1320 19+00E	Not Rec'd
L1320 19+50E	Not Rec'd
L1320 20+00E	Not Rec'd
L1320 20+50E	Not Rec'd
L1320 21+00E	Not Rec'd
L1320 21+50E	Not Rec'd

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PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
PROJ:9106 AZIMUTH
S3223

REPORT No. : M9723
Page No. : 1 of 2
File No. : SE11MZ
Date : SEP-13-1991

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

SAMPLE #	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
L1255 0+50W	< 1	1.5	25	< 10	140	< 1	< 5	0.31	< 1	7	73	48	2.4	0.19	0.29	630	4	0.01	33	740	36	25	3	< 10	27	160	100	< 10	9	90	2
L1255 1+00W	< 1	1.7	10	< 10	67	< 1	< 5	0.28	< 1	7	73	40	2.3	0.15	0.48	310	< 2	0.02	31	520	28	< 5	3	< 10	21	280	94	< 10	4	46	< 1
L1255 1+65W	< 1	1.6	30	< 10	140	< 1	< 5	0.61	< 1	12	99	70	3.2	0.22	0.86	830	2	0.03	31	960	33	10	8	< 10	37	300	120	< 10	14	65	3
L1255 2+00W	< 1	2.0	20	< 10	130	< 1	< 5	0.51	< 1	13	110	65	3.6	0.13	1.3	730	4	0.02	45	1000	33	< 5	5	< 10	31	250	130	10	7	76	1
L1255 2+50W	< 1	1.6	15	< 10	120	< 1	< 5	0.57	1	12	120	56	3.5	0.21	1.2	490	< 2	0.02	51	730	31	10	4	< 10	31	280	130	< 10	3	76	1
L1255 3+00W	< 1	1.8	20	< 10	120	< 1	< 5	0.61	< 1	14	130	46	3.7	0.36	0.92	960	< 2	0.02	51	1600	35	10	3	< 10	32	180	130	10	9	95	< 1
L1255 3+80W	< 1	1.5	10	< 10	110	< 1	5	0.74	< 1	12	130	76	3.6	0.04	1.2	430	< 2	0.02	51	870	28	15	9	< 10	36	400	120	< 10	11	61	3
L1255 4+50W	< 1	1.9	20	< 10	46	< 1	< 5	0.27	< 1	12	130	66	5.6	0.08	0.94	530	2	0.01	57	630	37	10	5	< 10	17	630	180	< 10	4	47	3
L1255 5+10W	< 1	1.4	10	< 10	66	< 1	< 5	0.26	< 1	7	79	29	2.3	0.10	0.46	290	< 2	0.01	32	530	26	< 5	2	< 10	19	340	92	< 10	3	47	1
L1320 0+00	< 1	2.2	30	< 10	120	< 1	< 5	0.57	< 1	17	200	100	4.5	0.10	1.9	540	4	0.02	97	1100	38	< 5	10	< 10	30	280	170	< 10	13	76	4
L1320 0+50E	< 1	1.6	15	< 10	74	< 1	< 5	0.33	< 1	13	130	46	4.0	0.13	0.77	640	< 2	<0.01	56	1000	30	10	1	< 10	17	120	130	< 10	4	68	< 1
L1320 1+00E	< 1	1.2	10	< 10	80	< 1	< 5	0.54	< 1	13	64	72	3.6	<0.01	1.1	600	< 2	0.02	39	900	21	< 5	8	< 10	25	520	110	< 10	10	52	3
L1320 1+50E	< 1	1.6	10	< 10	71	< 1	< 5	0.39	< 1	13	89	51	3.8	<0.01	1.1	580	< 2	0.02	43	860	27	15	5	< 10	23	330	120	< 10	5	62	< 1
L1320 2+00E	< 1	1.8	20	< 10	140	< 1	< 5	0.68	< 1	15	120	45	4.1	0.02	0.95	1200	< 2	0.02	50	1400	33	5	3	< 10	42	220	140	20	5	95	< 1
L1320 2+50E	< 1	1.6	10	< 10	92	< 1	< 5	0.56	< 1	10	100	51	3.3	<0.01	0.97	440	< 2	0.02	45	1000	25	5	4	< 10	30	260	100	< 10	6	65	< 1
L1320 3+00E	< 1	1.5	< 5	< 10	59	< 1	< 5	0.32	< 1	10	110	36	3.3	<0.01	0.72	650	< 2	0.02	48	780	25	< 5	2	< 10	23	250	120	< 10	3	59	< 1
L1320 3+50E	< 1	1.9	15	< 10	110	< 1	< 5	0.55	< 1	11	170	94	3.3	0.08	1.1	480	< 2	0.02	74	1200	29	5	3	< 10	33	180	110	20	6	71	< 1
L1320 4+00E	< 1	1.6	10	< 10	73	< 1	< 5	0.45	< 1	11	89	40	3.6	0.09	1.1	370	< 2	0.02	37	660	46	5	3	< 10	26	260	120	< 10	4	67	< 1
L1320 4+50E	< 1	2.1	10	< 10	110	< 1	< 5	0.69	< 1	13	160	80	3.7	<0.01	1.7	810	< 2	0.02	50	1100	34	< 5	7	< 10	31	310	140	< 10	8	73	2
L1320 5+00E	< 1	1.7	10	< 10	43	< 1	< 5	0.28	< 1	9	69	41	2.8	0.14	0.71	470	< 2	0.02	25	860	24	< 5	3	< 10	19	250	110	< 10	4	50	< 1
L1320 5+50E	< 1	2.3	25	< 10	180	< 1	< 5	0.44	< 1	16	140	67	4.0	0.10	1.0	1400	4	0.01	62	760	42	25	7	< 10	25	320	180	< 10	4	79	2
L1320 6+00E	< 1	2.1	30	< 10	100	< 1	< 5	0.53	< 1	17	180	100	4.5	0.03	1.6	800	4	0.02	85	970	43	10	11	< 10	24	330	160	< 10	8	70	4
L1320 6+50E	< 1	2.6	30	< 10	85	< 1	< 5	0.19	< 1	15	94	110	5.5	0.05	1.2	810	< 2	0.01	45	1100	51	10	6	< 10	14	140	170	< 10	5	100	3
L1320 7+00E	< 1	1.2	5	< 10	42	< 1	< 5	0.24	< 1	8	120	28	3.5	0.10	0.43	310	< 2	0.02	56	600	26	5	3	< 10	21	320	150	< 10	3	56	< 1
L1320 7+50E	< 1	2.1	40	< 10	130	< 1	< 5	0.65	< 1	15	98	170	4.8	0.22	1.2	1000	< 2	0.02	50	1200	96	5	10	< 10	39	160	140	< 10	17	130	4
L1320 8+00E	< 1	2.4	35	< 10	78	< 1	< 5	0.23	< 1	8	50	85	4.0	0.04	0.67	580	< 2	0.01	20	2000	62	< 5	5	< 10	21	160	130	10	9	100	3
L1320 9+00E	< 1	2.1	70	< 10	150	< 1	< 5	1.4	< 1	13	99	220	3.9	0.19	1.2	930	< 2	0.02	40	1700	54	< 5	10	< 10	110	170	110	30	40	140	3
L1320 9+50E	< 1	1.4	10	< 10	99	< 1	< 5	0.66	< 1	5	82	29	1.9	0.09	0.40	280	4	0.01	35	680	26	< 5	2	< 10	52	130	96	< 10	4	67	< 1
L1320 10+00E	< 1	1.9	95	< 10	170	< 1	< 5	1.7	< 1	12	100	240	3.0	0.03	0.90	940	< 2	0.01	43	1600	56	15	9	< 10	100	250	83	20	70	120	4
L1320 10+50E	< 1	1.7	170	< 10	130	< 1	< 5	0.92	< 1	19	95	110	4.0	<0.01	0.75	940	< 2	0.01	42	870	61	10	4	< 10	44	230	110	10	9	79	< 1
L1320 11+00E	< 1	2.7	50	< 10	97	< 1	< 5	0.43	< 1	21	32	150	7.5	<0.01	1.7	940	< 2	<0.01	21	460	47	10	16	< 10	26	190	310	< 10	10	100	7
L1320 11+50E	< 1	1.9	10	< 10	210	< 1	< 5	1.1	< 1	11	99	67	3.9	0.11	0.88	770	< 2	0.02	45	1100	31	5	5	< 10	53	200	130	20	19	58	2
L1320 12+00E	< 1	3.0	50	< 10	87	< 1	< 5	0.43	< 1	13	68	65	4.5	0.06	1.7	500	< 2	0.01	56	1300	44	10	3	< 10	30	330	140	< 10	10	75	< 1
L1320 12+50E	< 1	2.2	40	< 10	160	< 1	< 5	0.65	< 1	15	63	150	5.1	0.16	1.1	1100	< 2	0.02	28	1000	37	10	16	< 10	35	290	150	< 10	46	83	5
L1320 13+00E	< 1	2.9	55	< 10	160	< 1	< 5	0.40	< 1	25	59	220	7.8	0.10	2.0	2500	< 2	0.01	36	1200	57	15	20	< 10	21	180	200	< 10	26	130	8

A .5 gm sample is digested with 2 ml of 3:1 HCL/HNO3
at 95 C for 90 min and diluted to 10 ml with DI H2O
This method is partial for many oxide materials

TSL/91

SIGNED :

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
PROJ:9106 AZIMUTH
S3223

A S [illegible] LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
PHONE #: (306) 931 - 1033 FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

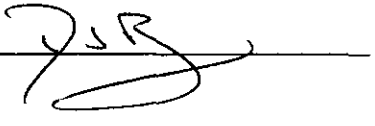
Aqua-Regia Digestion

REPORT No. : **M9723**
Page No. : 2 of 2
File No. : SE11MZ
Date : SEP-13-1991

SAMPLE #	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
L1320 13+50E	< 1	2.1	80	< 10	190	< 1	< 5	1.2	< 1	12	83	120	3.8	0.02	0.90	730	< 2	0.01	39	1700	44	< 5	7	< 10	53	180	120	< 10	30	59	3
L1320 14+00E	< 1	1.9	90	< 10	140	< 1	< 5	0.79	< 1	18	69	55	4.4	0.12	0.70	2500	< 2	<0.01	27	1100	39	5	3	< 10	35	210	150	20	16	67	< 1
L1320 14+50E	< 1	1.8	10	< 10	110	< 1	< 5	0.59	< 1	8	51	42	3.4	0.21	0.65	630	< 2	0.01	19	1200	33	15	1	< 10	32	190	160	< 10	4	46	< 1
L1320 15+00E	< 1	2.1	20	< 10	130	< 1	< 5	0.61	< 1	11	65	56	4.3	0.07	0.93	700	< 2	0.01	26	1600	36	5	3	< 10	32	170	120	10	15	74	< 1
L1320 15+50E	< 1	1.4	15	< 10	47	< 1	< 5	0.32	< 1	8	37	36	2.8	0.03	0.51	380	< 2	0.01	30	600	23	20	2	< 10	22	180	110	< 10	3	36	< 1
L1320 16+00E	< 1	1.3	< 5	< 10	66	< 1	< 5	0.27	< 1	6	71	28	2.9	0.04	0.28	320	< 2	0.01	32	470	24	5	2	< 10	19	270	130	< 10	3	30	< 1
L1320 16+50E	< 1	2.1	25	< 10	91	< 1	< 5	0.35	< 1	10	67	70	3.9	<0.01	0.85	500	< 2	0.02	32	910	35	< 5	2	< 10	22	180	130	20	5	60	< 1
L1320 17+00E	< 1	2.1	20	< 10	63	< 1	< 5	0.25	< 1	9	49	71	3.4	0.29	0.66	330	< 2	0.02	24	750	34	< 5	3	< 10	17	180	110	< 10	6	45	< 1
L1320 17+50E	< 1	1.6	15	< 10	47	< 1	< 5	0.26	< 1	14	61	45	4.1	0.07	0.62	1000	< 2	0.02	25	600	31	10	2	< 10	19	590	180	< 10	3	39	< 1
L1320 18+00E	< 1	2.1	60	< 10	250	< 1	< 5	0.84	< 1	14	74	81	3.8	0.04	0.75	680	< 2	0.02	37	950	36	5	6	< 10	49	230	120	20	11	170	< 1

A .5 gm sample is digested with 2 ml of 3:1 HCL/HNO3
at 95 C for 90 min and diluted to 10 ml with DI H2O
This method is partial for many oxide materials

TSL/91

SIGNED : 

TSL LABORATORIES

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CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM: Prime Exploration Ltd.
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No. S3237

INVOICE #: 18199
P.O.: R3448

SAMPLE(S) OF: Soil

Project: 9106 Azimuth

REMARKS: Azimuth Geological Inc.

	Au ppb
L1360 0+00	5
L1360 0+50W	5
L1360 1+00W	10
L1360 1+50W	Not Rec'd
L1360 2+00W	10
L1360 2+50W	10
L1360 3+00W	10
L1360 3+50W	5
L1360 4+00W	10
L1360 4+50W	5
L1360 5+00W	<5
L1360 5+50W	5
L1360 6+00W	<5
L1360 6+50W	5
L1360 7+00W	10
L1360 7+50W	5
L1360 8+00W	5
L1360 8+50W	20
L1360 9+00W	35
L1360 9+50W	5

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Vancouver, B.C.
V6C 2X6

REPORT No. S3237

INVOICE #: 18199
P.O.: R3448

SAMPLE(S) OF: Soil

Project: 9106 Azimuth

REMARKS: Azimuth Geological Inc.

	Au ppb
L1360 10+00W	15
L1360 10+50W	10
L1360 11+00W	<5
L1360 11+50W	140
L1360 12+00W	35
L1360 12+50W	5
L1360 13+00W	20
L1360 13+50W	5
L1360 14+00W	10
L1360 14+50W	15
L1360 15+00W	10
L1360 15+50W	90
L1360 16+00W	10
L1360 16+50W	5
L1360 17+00W	25
L1360 17+50W	5
L1360 18+00W	<5
L1360 18+50W	5
L1360 19+00W	5
L1360 19+50W	10

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REPORT No. S3237

INVOICE #: 18199
P.O.: R3448

SAMPLE(S) OF: Soil

Project: 9106 Azimuth

REMARKS: Azimuth Geological Inc.

	Au ppb
L1360 20+00W	10
L1360 20+50W	10
L1256 0+00	5
L1256 0+50W	<5
L1256 1+00W	5
L1256 1+50W	5
L1256 2+00W	<5
L1256 2+50W	5
L1256 3+00W	<5
L1256 3+50W	<5
L1256 4+00W	5
L1256 4+50W	10
L1256 5+00W	10
L1256 5+50W	Not Rec'd
L1256 6+00W	20
L1256 6+50W	55
L1256 7+00W	5

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PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
PROJ:9106 AZIMUTH
S3237

REPORT No. : M9734
Page No. : 1 of 2
File No. : SE12MA
Date : SEP-19-1991

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

SAMPLE #	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
L1360 0+00	< 1	1.4	50	< 10	41	< 1	10	0.67	< 1	16	120	110	3.4	0.32	0.98	520	< 2	0.02	74	750	7	25	6	< 10	29	850	100	< 10	7	43	5
L1360 0+50W	< 1	1.5	20	< 10	36	< 1	5	1.4	< 1	16	92	100	3.2	0.23	0.98	410	< 2	0.02	58	740	5	10	5	< 10	36	1000	97	< 10	5	40	8
L1360 1+00W	< 1	1.5	25	< 10	34	< 1	10	0.65	< 1	17	110	110	3.2	0.20	1.0	450	< 2	0.01	62	750	3	15	5	< 10	22	950	96	< 10	5	41	5
L1360 2+00W	< 1	1.6	15	< 10	43	< 1	< 5	0.58	< 1	18	93	130	3.6	0.26	1.0	610	< 2	0.01	44	830	6	15	7	< 10	21	870	110	< 10	7	51	6
L1360 2+50W	< 1	1.5	10	< 10	29	< 1	< 5	0.92	< 1	16	83	100	3.3	0.20	0.97	480	< 2	<0.01	41	810	4	15	6	< 10	26	890	97	< 10	6	46	5
L1360 3+00W	< 1	1.6	10	< 10	30	< 1	< 5	1.7	< 1	17	93	120	3.3	0.21	1.0	530	< 2	0.01	44	770	5	20	6	< 10	40	970	99	< 10	6	50	6
L1360 3+50W	< 1	1.8	130	< 10	130	< 1	5	0.58	< 1	14	57	110	4.4	0.31	0.59	790	< 2	0.01	22	990	10	5	5	< 10	36	180	150	20	7	73	4
L1360 4+00W	< 1	1.5	20	< 10	99	< 1	5	0.30	< 1	12	39	79	4.6	0.20	0.47	670	< 2	0.01	15	590	12	5	3	< 10	19	490	190	< 10	3	53	3
L1360 4+50W	< 1	1.4	20	< 10	42	< 1	< 5	0.22	< 1	7	40	56	3.1	0.25	0.38	350	< 2	0.01	18	750	8	5	2	< 10	12	170	100	< 10	3	40	2
L1360 5+00W	< 1	2.1	10	< 10	47	< 1	< 5	0.16	< 1	7	46	85	2.7	0.18	0.46	220	< 2	0.01	22	780	9	10	3	< 10	11	150	85	30	4	41	2
L1360 5+50W	< 1	1.7	10	< 10	56	< 1	< 5	0.24	< 1	6	50	46	2.3	0.18	0.43	280	< 2	0.01	21	1000	9	5	< 1	< 10	16	110	81	< 10	3	37	2
L1360 6+00W	< 1	2.0	45	< 10	100	< 1	< 5	0.43	< 1	10	59	74	3.3	0.24	0.55	640	< 2	0.01	26	1900	10	10	4	< 10	33	170	120	20	21	53	3
L1360 6+50W	< 1	1.6	25	< 10	49	< 1	5	0.29	< 1	9	53	78	3.1	0.19	0.52	390	< 2	0.02	25	840	8	5	3	< 10	17	230	110	< 10	5	41	2
L1360 7+00W	< 1	1.5	10	< 10	120	< 1	< 5	0.67	< 1	9	44	44	3.5	0.26	0.40	660	< 2	0.01	15	1200	11	5	2	< 10	37	230	130	< 10	5	57	1
L1360 7+50W	< 1	2.1	130	< 10	130	< 1	< 5	0.96	< 1	12	62	80	3.3	0.27	0.53	1900	< 2	0.01	28	2800	11	5	5	< 10	42	190	100	10	27	76	4
L1360 8+00W	< 1	1.9	190	< 10	120	< 1	< 5	0.89	< 1	11	42	95	3.4	0.25	0.56	820	< 2	0.01	20	1700	18	15	5	< 10	39	120	100	20	23	72	4
L1360 8+50W	1	2.5	200	< 10	240	< 1	< 5	0.46	1	34	27	470	8.8	0.26	1.1	3400	4	<0.01	25	1300	31	20	28	< 10	21	88	210	< 10	47	210	19
L1360 9+00W	< 1	1.2	95	< 10	81	< 1	< 5	0.71	< 1	9	42	99	3.5	0.31	0.42	440	< 2	0.01	17	730	8	5	6	< 10	47	220	120	< 10	19	55	4
L1360 9+50W	< 1	1.5	35	< 10	190	< 1	< 5	1.1	< 1	9	44	99	3.2	0.16	0.45	510	< 2	0.01	17	1100	9	5	3	< 10	58	170	120	< 10	14	61	3
L1360 10+00W	< 1	1.5	90	< 10	96	< 1	15	0.51	< 1	11	55	160	3.7	0.24	0.58	420	< 2	0.02	36	650	12	35	11	< 10	29	180	110	< 10	41	56	7
L1360 10+50W	< 1	1.5	35	< 10	93	< 1	5	0.57	< 1	10	40	74	3.3	0.28	0.56	480	< 2	0.02	21	950	15	10	4	< 10	33	190	90	< 10	13	60	4
L1360 11+00W	< 1	1.5	40	< 10	180	< 1	< 5	1.1	< 1	10	47	93	3.7	0.20	0.42	710	< 2	0.01	19	1200	18	10	3	< 10	91	210	110	< 10	11	56	3
L1360 11+50W	< 1	1.6	65	< 10	110	< 1	< 5	0.84	< 1	10	77	160	3.3	0.29	0.60	450	< 2	0.02	33	1300	18	5	6	< 10	63	170	100	< 10	22	79	4
L1360 12+00W	< 1	1.3	120	< 10	79	< 1	< 5	0.75	< 1	10	45	91	3.2	0.28	0.57	420	< 2	0.02	22	810	31	10	5	< 10	49	240	98	< 10	11	88	4
L1360 12+50W	< 1	1.8	55	< 10	140	< 1	< 5	0.66	< 1	10	44	140	3.4	0.18	0.59	490	< 2	0.01	21	1500	18	15	5	< 10	36	140	95	10	15	62	4
L1360 13+00W	< 1	1.8	35	< 10	97	< 1	< 5	0.40	< 1	15	35	170	4.2	0.21	0.65	1100	< 2	0.02	21	1300	34	5	8	< 10	21	160	120	< 10	15	95	5
L1360 13+50W	< 1	1.5	10	< 10	94	< 1	15	0.35	< 1	8	40	64	3.3	0.23	0.40	380	< 2	0.02	19	1100	55	5	3	< 10	21	120	110	< 10	5	70	2
L1360 14+00W	< 1	1.8	20	< 10	100	< 1	< 5	0.27	1	13	52	120	3.6	0.22	0.63	610	< 2	0.01	27	1200	25	10	6	< 10	15	100	120	< 10	6	76	4
L1360 14+50W	< 1	2.0	20	< 10	71	< 1	< 5	0.28	< 1	16	86	110	3.7	0.25	0.96	530	< 2	0.01	56	930	16	10	8	< 10	14	260	110	< 10	6	62	5
L1360 15+00W	< 1	1.9	20	< 10	48	< 1	< 5	0.28	< 1	14	78	84	3.3	0.26	0.81	680	< 2	0.01	35	930	11	10	6	< 10	14	380	110	10	5	56	4
L1360 15+50W	< 1	1.5	20	< 10	74	< 1	10	0.31	< 1	9	69	50	3.0	0.40	0.54	340	< 2	0.02	22	990	9	5	4	< 10	19	140	100	< 10	4	52	4
L1360 16+00W	< 1	1.6	25	< 10	74	< 1	< 5	0.52	< 1	10	190	56	3.2	0.27	0.71	320	< 2	0.02	37	990	9	15	5	< 10	25	210	110	< 10	8	59	4
L1360 16+50W	< 1	1.6	20	< 10	96	< 1	< 5	0.44	< 1	11	120	77	3.0	0.22	0.74	320	< 2	0.01	36	730	8	10	8	< 10	22	280	100	< 10	6	48	4
L1360 17+00W	< 1	1.5	10	< 10	45	< 1	< 5	0.30	< 1	10	66	61	2.9	0.30	0.64	380	< 2	0.02	27	910	9	5	4	< 10	16	350	97	< 10	5	44	3
L1360 17+50W	< 1	1.5	10	< 10	59	< 1	< 5	0.35	< 1	11	76	62	3.1	0.27	0.67	390	< 2	0.02	38	920	7	10	6	< 10	18	380	99	< 10	7	42	3

A .5 gm sample is digested with 2 ml of 3:1 HCL/HNO3
at 95 C for 90 min and diluted to 10 ml with DI H2O
This method is partial for many oxide materials

TSL/91

SIGNED : _____

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
PHONE #: (306) 931 - 1033 FAX #: (306) 242 - 4717

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
PROJ:9106 AZIMUTH
S3237

I.C.A.P. PLASMA SCAN

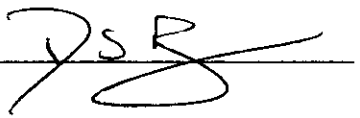
Aqua-Regia Digestion

REPORT No. : M9734
Page No. : 2 of 2
File No. : SE12MA
Date : SEP-19-1991

SAMPLE #	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
L1360 18+00W	< 1	1.5	10	< 10	53	< 1	< 5	0.31	< 1	10	64	65	2.6	0.28	0.68	290	< 2	0.01	33	760	8	5	5	< 10	15	310	84	< 10	6	41	3
L1360 18+50W	< 1	1.7	15	< 10	79	< 1	< 5	0.29	< 1	11	85	72	3.1	0.25	0.69	430	< 2	0.01	34	1000	10	10	5	< 10	17	210	94	< 10	8	58	2
L1360 19+00W	< 1	1.5	15	< 10	51	< 1	5	0.22	< 1	9	61	47	3.1	0.20	0.60	250	< 2	0.01	27	580	8	5	3	< 10	13	220	97	< 10	4	52	3
L1360 19+50W	< 1	2.1	20	< 10	79	< 1	10	0.38	< 1	21	140	99	4.0	0.31	1.2	660	4	0.01	110	890	12	15	8	< 10	17	440	110	< 10	7	60	5
L1360 20+00W	< 1	1.6	50	< 10	33	< 1	5	0.31	< 1	7	58	43	2.4	0.28	0.55	220	< 2	0.01	35	630	8	25	2	< 10	19	200	80	< 10	3	37	2
L1360 20+50W	< 1	2.4	25	< 10	54	< 1	5	0.33	< 1	21	100	130	4.5	0.30	1.1	690	< 2	<0.01	69	940	10	25	8	< 10	15	420	130	< 10	7	66	6
L1256 0+00	< 1	1.6	10	< 10	58	< 1	5	0.21	< 1	7	43	33	3.1	0.34	0.43	270	< 2	0.01	18	540	9	10	3	< 10	16	280	120	< 10	2	37	1
L1256 0+50W	< 1	1.3	10	< 10	40	< 1	5	0.14	< 1	4	46	24	1.6	0.23	0.29	150	< 2	0.01	19	420	9	< 5	< 1	< 10	11	130	78	< 10	2	20	< 1
L1256 1+00W	< 1	1.9	15	< 10	110	< 1	< 5	0.58	< 1	8	95	83	2.9	0.26	0.53	610	< 2	0.01	42	1600	11	10	4	< 10	24	140	93	30	24	54	2
L1256 1+50W	< 1	1.7	25	< 10	140	< 1	< 5	1.5	< 1	9	170	90	2.5	0.25	0.52	520	< 2	0.02	76	1300	7	5	4	< 10	64	180	77	< 10	18	49	3
L1256 2+00W	< 1	1.4	20	< 10	83	< 1	10	0.59	< 1	7	47	45	3.0	0.27	0.40	280	< 2	0.02	19	850	9	< 5	2	< 10	32	170	97	< 10	6	53	2
L1256 2+50W	< 1	1.2	15	< 10	120	< 1	< 5	0.67	< 1	7	64	49	2.5	0.30	0.42	210	4	0.02	26	850	8	< 5	2	< 10	35	190	92	< 10	4	59	2
L1256 3+00W	< 1	2.5	15	< 10	170	< 1	< 5	0.92	< 1	12	100	83	3.6	0.37	0.50	1000	4	0.01	49	1700	9	5	3	< 10	40	210	92	< 10	19	82	3
L1256 3+50W	< 1	1.5	25	< 10	150	< 1	10	0.63	< 1	9	69	45	3.2	0.24	0.45	370	< 2	0.02	33	760	9	5	2	< 10	29	140	95	< 10	9	51	2
L1256 4+00W	< 1	1.8	75	< 10	140	< 1	15	1.0	< 1	13	200	95	3.5	0.43	0.66	630	< 2	0.02	89	1300	11	10	6	< 10	56	190	100	20	28	69	4
L1256 4+50W	< 1	2.0	70	< 10	130	< 1	5	0.63	< 1	11	57	110	3.8	0.29	0.56	670	< 2	0.02	27	1200	12	10	5	< 10	34	160	110	20	24	70	4
L1256 5+00W	< 1	1.5	25	< 10	89	< 1	5	0.61	< 1	10	59	78	2.2	0.18	0.69	350	< 2	<0.01	50	540	9	5	4	< 10	26	440	53	< 10	13	38	3
L1256 6+00W	< 1	1.7	510	< 10	160	< 1	10	1.1	2	10	53	180	3.8	0.29	0.55	1100	< 2	<0.01	22	1300	35	10	7	< 10	56	130	110	30	48	250	5
L1256 6+50W	3	1.9	290	< 10	200	< 1	5	1.2	< 1	21	130	290	4.1	0.25	0.74	990	2	0.01	53	1400	25	10	7	< 10	69	170	110	30	37	180	7
L1256 7+00W	< 1	1.8	30	< 10	190	< 1	5	0.50	< 1	14	120	100	3.5	0.41	0.64	630	< 2	0.03	58	800	10	10	8	< 10	29	590	110	20	9	63	5

A .5 gm sample is digested with 2 ml of 3:1 HCL/HNO3
at 95 C for 90 min and diluted to 10 ml with DI H2O
This method is partial for many oxide materials

TSL/91

SIGNED : 

TSL LABORATORIES

2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM: Prime Exploration Ltd.
10th Floor-Box 10
808 West Hastings Street
Vancouver, B.C. V6C 2X6

REPORT No. S3229

INVOICE #: 18190
P.O.: R3466

SAMPLE(S) OF: Soils

G. Crowe
Project: 9106 Azimuth

REMARKS: Azimuth Geological Inc.

	Au ppb
L1200 12+50E	5
L1200 13+00E	5
L1200 13+50E	20
L1200 14+00E	5
L1200 14+50E	5
L1200 15+00E	130
L1200 15+50E	10
L1200 16+00E	<5
L1200 16+50E	10
L1200 17+00E	10
L1200 17+50E	5
L1200 18+00E	45
L1200 18+50E	10
L1200 19+00E	<5
L1200 19+50E	<5
L1200 20+00E	10
L1200 20+50E	5

COPIES TO: J. Blackwell
INVOICE TO: Prime Exploration - Vancouver

Sep 09/91

SIGNED Bernice Quan

CTA

T S L LABORATORIES

2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
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PRIME EXPLORATION LTD.
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PROJ:9106 AZIMUTH
S3229

REPORT No. : M9722
Page No. : 1 of 1
File No. : SE11MZ
Date : SEP-13-1991

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

SAMPLE #	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
L1200 12+50E	< 1	1.3	10	< 10	90	< 1	< 5	0.60	< 1	6	70	32	1.7	0.23	0.41	170	< 2	0.02	28	370	21	< 5	2	< 10	38	150	70	< 10	3	40	< 1
L1200 13+00E	< 1	1.2	80	< 10	110	< 1	< 5	0.67	< 1	9	56	29	2.6	0.04	0.43	840	< 2	0.01	20	880	25	< 5	2	< 10	44	160	93	< 10	5	97	< 1
L1200 13+50E	< 1	1.8	55	< 10	130	< 1	< 5	0.75	< 1	8	45	62	2.8	0.09	0.68	330	< 2	0.02	23	1300	28	10	4	< 10	41	150	91	< 10	9	76	< 1
L1200 15+00E	< 1	2.3	25	< 10	200	< 1	< 5	0.90	< 1	10	57	90	3.4	0.21	0.51	670	< 2	0.01	28	1600	35	< 5	4	< 10	45	130	100	10	8	79	2
L1200 15+50E	< 1	2.2	50	< 10	130	< 1	< 5	0.32	< 1	8	56	52	3.3	<0.01	0.66	460	< 2	0.02	26	820	39	5	4	< 10	24	140	110	30	5	75	< 1
L1200 16+00E	< 1	1.7	20	< 10	66	< 1	< 5	0.28	< 1	7	73	37	2.6	0.14	0.47	230	< 2	0.02	31	400	27	< 5	3	< 10	20	270	100	< 10	3	39	< 1
L1200 16+50E	< 1	2.1	30	< 10	200	< 1	< 5	0.88	< 1	9	58	82	3.2	0.23	0.64	560	< 2	0.03	28	970	35	< 5	6	< 10	48	200	97	20	23	59	2
L1200 17+00E	< 1	1.2	5	< 10	72	< 1	< 5	0.33	< 1	5	57	24	2.4	0.06	0.38	170	4	0.02	22	450	21	< 5	2	< 10	24	290	110	< 10	4	32	< 1
L1200 17+50E	< 1	1.2	15	< 10	80	< 1	< 5	0.66	< 1	13	49	59	3.2	0.11	0.94	540	< 2	0.03	29	860	20	< 5	6	< 10	29	710	110	< 10	7	44	3
L1200 18+00E	< 1	2.7	20	< 10	200	< 1	< 5	0.52	< 1	17	88	110	3.8	0.22	1.1	850	< 2	0.04	52	870	40	10	11	< 10	28	490	120	< 10	10	78	4
L1200 18+50E	< 1	1.8	15	< 10	170	< 1	< 5	0.86	< 1	13	120	60	4.1	0.07	0.86	490	< 2	0.03	62	760	30	5	5	< 10	36	320	140	20	7	72	< 1
L1200 19+00E	< 1	1.3	20	< 10	180	< 1	< 5	1.1	< 1	13	100	45	4.3	0.19	0.62	490	< 2	0.02	44	540	27	< 5	4	< 10	48	590	170	< 10	4	84	< 1
L1200 19+50E	< 1	2.2	20	< 10	170	< 1	< 5	0.45	< 1	15	100	95	4.0	0.25	0.90	630	< 2	0.03	57	880	33	< 5	5	< 10	28	260	130	< 10	10	73	< 1
L1200 20+00E	< 1	1.8	10	< 10	71	< 1	< 5	0.27	< 1	8	79	33	3.1	0.13	0.69	280	< 2	0.02	34	550	28	10	2	< 10	20	260	120	< 10	3	50	< 1
L1200 20+50E	< 1	1.8	20	< 10	72	< 1	< 5	0.27	< 1	9	61	47	4.1	0.05	0.73	300	< 2	0.02	28	750	32	5	4	< 10	20	290	140	20	3	52	< 1

A .5 gm sample is digested with 2 ml of 3:1 HCL/HNO3
at 95 C for 90 min and diluted to 10 ml with DI H2O
This method is partial for many oxide materials

TSL/91

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Appendix E

ANALYTICAL PROCEDURES

T S L LABORATORIES
DIVISION OF BURGENER TECHNICAL ENTERPRISES LIMITED
2 - 302 - 48th STREET,
SASKATOON, SASKATCHEWAN
S7K 6A4
☎ (306) 931-1033 FAX: (306) 242-4717

1 - SAMPLE PREPARATION PROCEDURES
Rock and Core

- Entire sample is crushed, riffled and the subsequent split is pulverized to -150 mesh.

Soils
- Sample is dried and sieved to -80 mesh.

2 - FIRE ASSAY PROCEDURES
Geochem Gold (Au ppb) -
A 30g subsample is fused, cupelled and the subsequent dore' bead is dissolved in aqua rega. The solution is then analyzed on the Atomic Absorption.

Assay Gold (Au oz/ton) -
A 29.16g subsample is fused, cupelled and the subsequent dore' bead is parted with a dilute nitric acid solution. The gold obtained is rinsed with DI water, annealed and weighed on a microbalance.

Assay Silver (Ag oz/ton) -
A 2.00g sample is digested with 15mls HCl plus 5mls HNO3 for 1 hour in a covered beaker; diluted to 100mls with 1:1 HCl. The solution is then run on the Atomic Absorption.

3 - BASE METALS
Geochem - A 1g subsample is digested with 5mls of aqua rega for 1 1/2 to 2 hours, then diluted with DI H20. The solutions are then run on the Atomic Absorption.

Assay - A 0.500g sample is taken to dryness with 15mls HCl plus 5mls HNO3, then redissolved with 5mls HNO3 and diluted to 100mls with DI H20. The solution is run on the Atomic Absorption.

T S L LABORATORIES
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2 - 302 - 48th STREET,
SASKATOON, SASKATCHEWAN
S7K 6A4
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5. ICAP Geochemical Analysis -
A 1g subsample is digested with 5mls of aqua rega for 1 1/2 to 2 hours, then diluted with DI H20. The solutions are then run on the ICAP.

6. Heavy Mineral Concentrates -
The sample is initially wet sieved through -1700 micron, then placed on a shaker table. A heavy liquid separation is performed, Methylene Iodide, (S.G. - 3.3); diluted to give a S.G. of 2.96. The heavies were then analyzed for Au by Fire Assay plus an ICAP Scan.

7. Mercury Analysis -
A 1 gram subsample is digested with 4mls of nitric acid plus 1ml of sulfuric acid in a water bath for 1 1/2 to 2 hours, diluted with DI water. A couple of drops of a potassium permangante solution are then added to each sample solution. An aliquot of each solution is then analyzed on the A.A. by a cold vapor procedure.

Yours truly,

Bernie Dunn

Bernie Dunn

BD/vh

MINERAL
• ENVIRONMENTS
LABORATORIES

Division of Assayers Corp. Ltd.

ANALYTICAL PRECEDURE REPORT FOR ASSESSMENT WORK:

PROCEDURE FOR WET GOLD GEOCHEMICAL ANALYSIS

Samples are processed by Min-En Laboratories, at 705 West 15th Street, North Vancouver, employing the following procedures.

After drying the samples at 95 C, soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by a jaw crusher and pulverized on a ring mill pulverizer.

5.00 grams of sample is weighed into porcelain crucibles and cindered @ 800 C for 3 hours. Samples are then transferred to beakers and digested using aqua regia, diluted to volume and mixed.

Further oxidation and treatment of 75% of the above solution is then extracted for gold by Methyl Iso-butyl Ketone.

The MIBK solutions are analyzed on an atomic absorption spectrometer using a suitable standard set.

OFFICE AND LABORATORIES:
705 WEST FIFTEENTH STREET, NORTH VANCOUVER, B.C.
CANADA V7M 1T2

PHONE: (604) 980-5814 (604) 988-4524
TELEX: VIA USA 7601067
FAX: (604) 980-9621

MINERAL
• ENVIRONMENTS
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ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK:

PROCEDURE FOR TRACE ELEMENT ICP

Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cu,
Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb,
Sr, Th, U, V, Zn, Ga, Sn, W, Cr

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0.50 gram of the sample is digested for 2 hours with an aqua regia mixture. After cooling samples are diluted to standard volume.

The solutions are analyzed by computer operated Jarrall Ash 9000 ICAP or Jobin Yvon 70 Type II Inductively Coupled Plasma Spectrometers.

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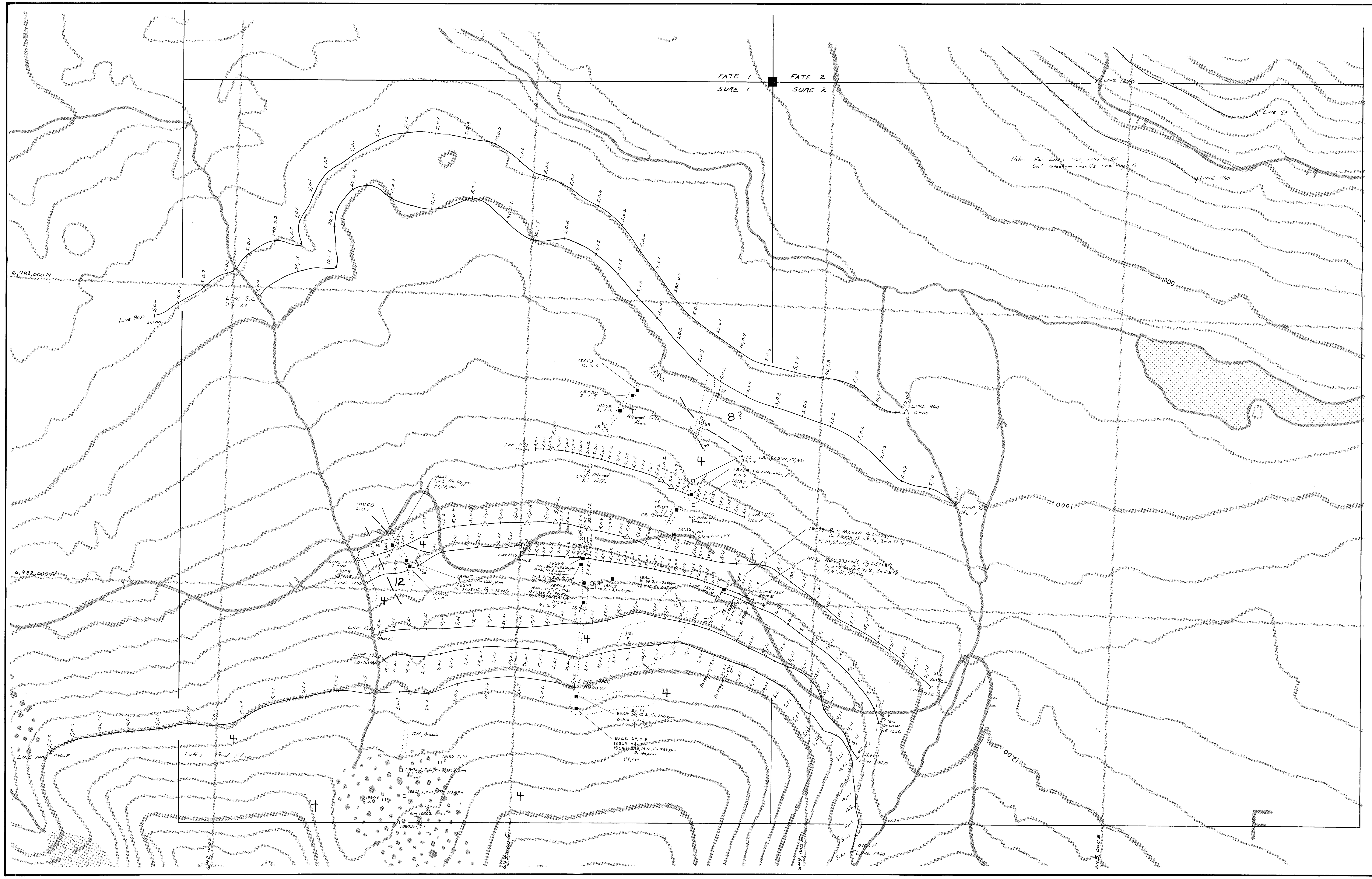


LEGEND

LITHOLOGIES

CRETACEOUS and TERTIARY

12/11 Probably genetically related to 10
11 Felsite, quartz-feldspar porphyry
12 Medium to coarse grained, pink, biotite-hornblende quartz monzonite

10 SLOKO GROUP Light green, purple and white rhyolite, dacite and trachyte flows, pyroclastic rocks and derived sediments

JURASSIC AND/OR CRETACEOUS
Post Middle Jurassic

9 9a Hornblende-biotite granodiorite; 9b Biotite-hornblende quartz diorite; 9c Hornblende diorite; 9d Augite diorite

JURASSIC
Lower and Middle Jurassic

LABERGE GROUP (7/8)

8 TAKWAHONI FORMATION: Granite boulder conglomerate, chert pebble conglomerate, greywacke, quartzose sandstone, siltstone, shale

7 INKLIN FORMATION: Well bedded greywacke, graded siltstone and silty sandstone, pebbly mudstone, limy pebble conglomerate, limestone

TRIASSIC
Upper Triassic

6 SINWA FORMATION: Limestone; minor sandstone, argillite, chert

STUHINI GROUP (4/5)

5 KING SALMON FORMATION: Thick bedded dark greywacke, conglomerate, mudstone, siltstone and shale; minor andesitic lava, volcanic breccia, tuff, limestone, limy shale; locally enclosed in 4

4 Mainly volcanic rocks; andesite and basalt flows, pillow lava, volcanic breccia and agglomerate, lapilli tuff; minor volcanic sandstone, greywacke and siltstone.

LOWER OR MIDDLE TRIASSIC(?)

3 Fine to medium grained, strongly foliated diorite, quartz diorite; and minor granodiorite; age uncertain

TRIASSIC AND EARLIER

2 Fine grained clastic sediments and intercalated volcanic rocks, largely altered to greenstone and phyllite; chert, jasper, greywacke limestone

PERMIAN(?)

1 May not all be of the same age. Peridotite, serpentinite, small irregular bodies of gabbro and pyroxene diorite

A Diorite gneiss, amphibolite, migmatite; age unknown

Geology after J.G. Souther, 1970

SYMBOLS

- ■ ROCK SAMPLE OUTCROP
- □ ROCK SAMPLE FLOAT
- △ SILT SAMPLE
- SOIL GEOCHEM LINE ppb Au ppm Ag
- + SOIL SAMPLE SITE
- GEOLOGICAL CONTACT
- 40 BEDDING ATTITUDE
- 30 JOINTING
- 70 FOLIATION
- 75 SHEAR/FAULT
- GOSSAN
- LEGAL CORNER POST (L.C.P.)

ABBREVIATIONS

AZ	Azurite
AS	Arsenopyrite
CA	Calcite
CB	Carbonate
CB(Fe)	Carbonate(Iron)
CP	Chalcopyrite
EP	Epidote
GN	Galena
HM	Hematite
LM	Limonite
MA	Malachite
MO	Molybdenite
PO	Pyrrhotite
PY	Pyrite
QZ	Quartz
SI	Silica/siliceous
SP	Sphalerite
TT	Tetrahedrite
VN	Vein
SW	Stockwork

N

100 0 100 200 400
METRES

MAPLE RESOURCE CORP.

SUREFATE

GEOLOGY & GEOCHEMISTRY

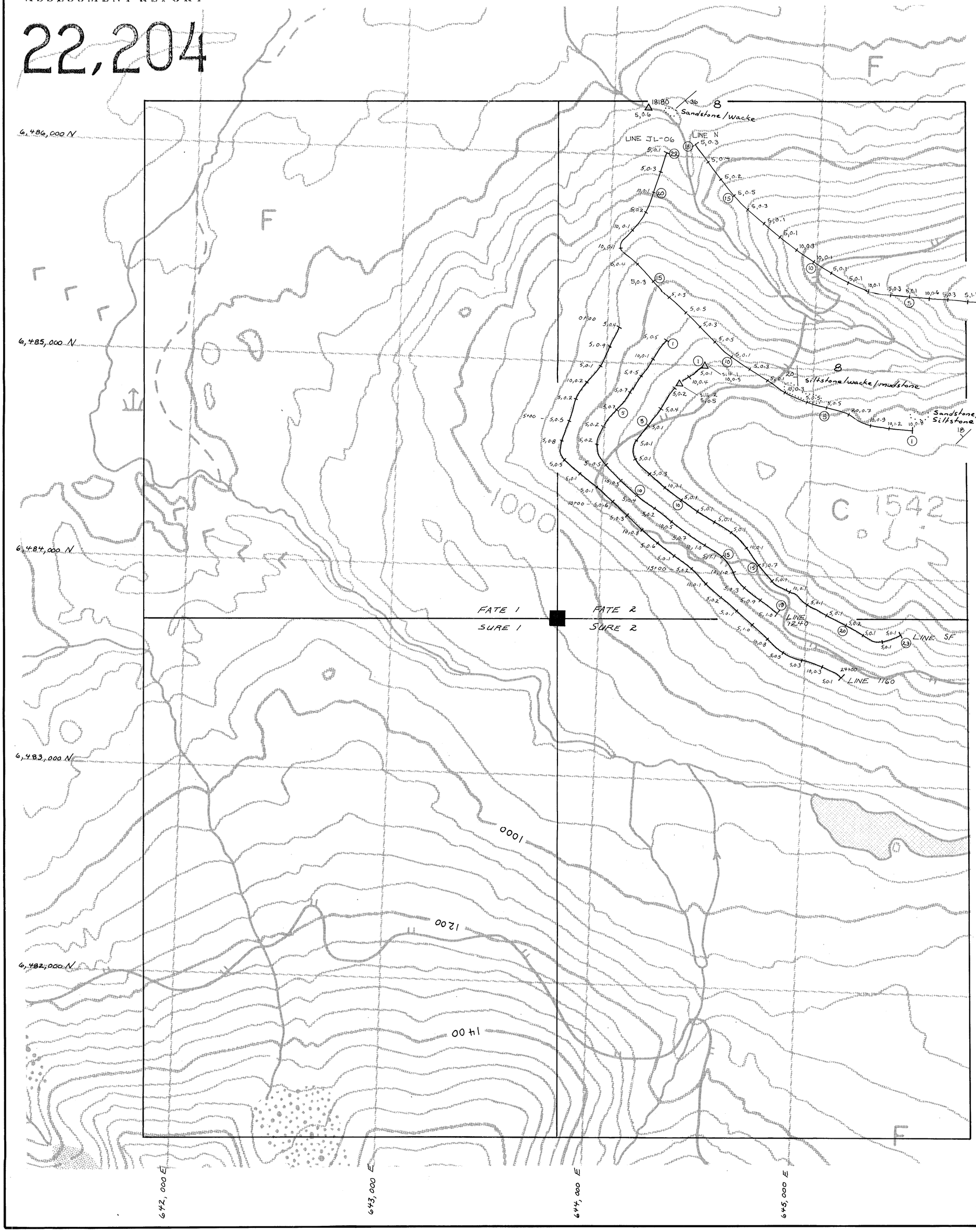
BRITISH COLUMBIA

AZIMUTH GEOLOGICAL INCORPORATED

DRAWN:	J.J.E.	MINING DIV.:	ATLIN	FIGURE 4
N.T.S.:	104 K/7	SCALE:	1:5000	
DATE:	OCT., 1991	REVISED:		

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,204



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100 0 200 400 800
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DRAWN: J.J.E.	MINING DIV.: ATLIN	FIGURE	
N.T.S.: 104 K/7	SCALE: 1:10000	5	
DATE: OCT., 1991	REVISED:		