GEOLOGICAL AND GEOCHEMICAL REPORT

on the

TUNJONY LAKE PROPERTY

(SON, KID, MOM, DAD, PURPLE,
PINK, BROWN, YELLOW CLAIMS)

Trapper Lake Area, British Columbia

Atlin Mining Division

N.T.S. 104K/7E

Latitude: 58° 22'N; Longitude: 132° 32.5'W

for

Toltec Resources Ltd.
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.
Gregory G. Crowe, M.Sc., P. Geol.

February 1992

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SUMMARY

The Tunjony Lake group comprises eight contiguous claims totalling 160 units and is located in northwestern British Columbia, approximately 110 km northwest of Telegraph Creek and 35 km northwest of the Golden Bear gold mine. Access is by float plane and/or helicopter.

The property covers a large area of the contact between Tertiary Coast Range quartz monzonite and Upper Triassic Stuhini Group andesitic volcaniclastics and flows. A small outlier of Tertiary Sloko Group tuffaceous sediments unconformably overlies Stuhini volcanics in the northwest corner of the claims. Northeast trending felsic dykes, which are probably coeval with the Sloko Group volcanics, cut the quartz monzonite and the volcanics.

There is no record of previous exploration on the claims but the property lies immediately south of Chevron's Inlaw property where Chevron defined a strong gold-arsenic-antimony anomaly and returned up to 1.30 oz/t gold in rock. Current reconnaissance work consisted of soil sampling (52 samples over 3.7 km), silt sampling (13 samples), rock sampling (36 samples), prospecting and geological mapping at 1:10,000 scale.

1991 prospecting and rock sampling located several areas containing elevated copper or gold values. A section of the quartz monzonite - volcanic contact is brecciated and silicified and ran 1.74% copper from one sample. Copper values from 0.25% to 2.00% were also found in a shear located north of Tunjony Lake and from an area of scattered quartz-chalcopyrite stringers located southeast of the lake. Soil/talus sampling below this last area suggests the area of mineralization is more widespread than exposed at surface.

Two widely separated samples contained elevated gold values. One sample is a float sample of epidotized quartz monzonite containing 300 ppb gold and the other sample is from pyritic, brecciated volcanics running 381 ppb gold. No follow-up was completed on either of these zones.

Only one silt sample was anomalous and ran 7908 ppm arsenic. An altered, pyritic felsic dyke and an anomalous soil sample near the head of this drainage suggests further prospecting and sampling is warranted in this area.

INTRODUCTION

At the request of Prime Equities Inc. (on behalf of Toltec Resources Ltd.) Azimuth Geological Inc. was contracted to evaluate the Tunjony Lake property using geological and geochemical techniques. The property is located in northwestern British Columbia, 35 km northwest of the Golden Bear mine, in an under-explored but geologically attractive area which has seen intermittent exploration for porphyry deposits, volcanogenic massive sulphide deposits and mesothermal shear-related gold deposits.

No previous work is recorded on the property; however, the claims lie immediately south of Chevron's Inlaw property (currently optioned to Consolidated Parklane Resources Inc.). In 1983 and 1984 Chevron completed soil and rock geochemical sampling on the Inlaw property which outlined a strong gold-arsenic-antimony in soil anomaly and returned up to 1.30 oz/t gold in rocks.

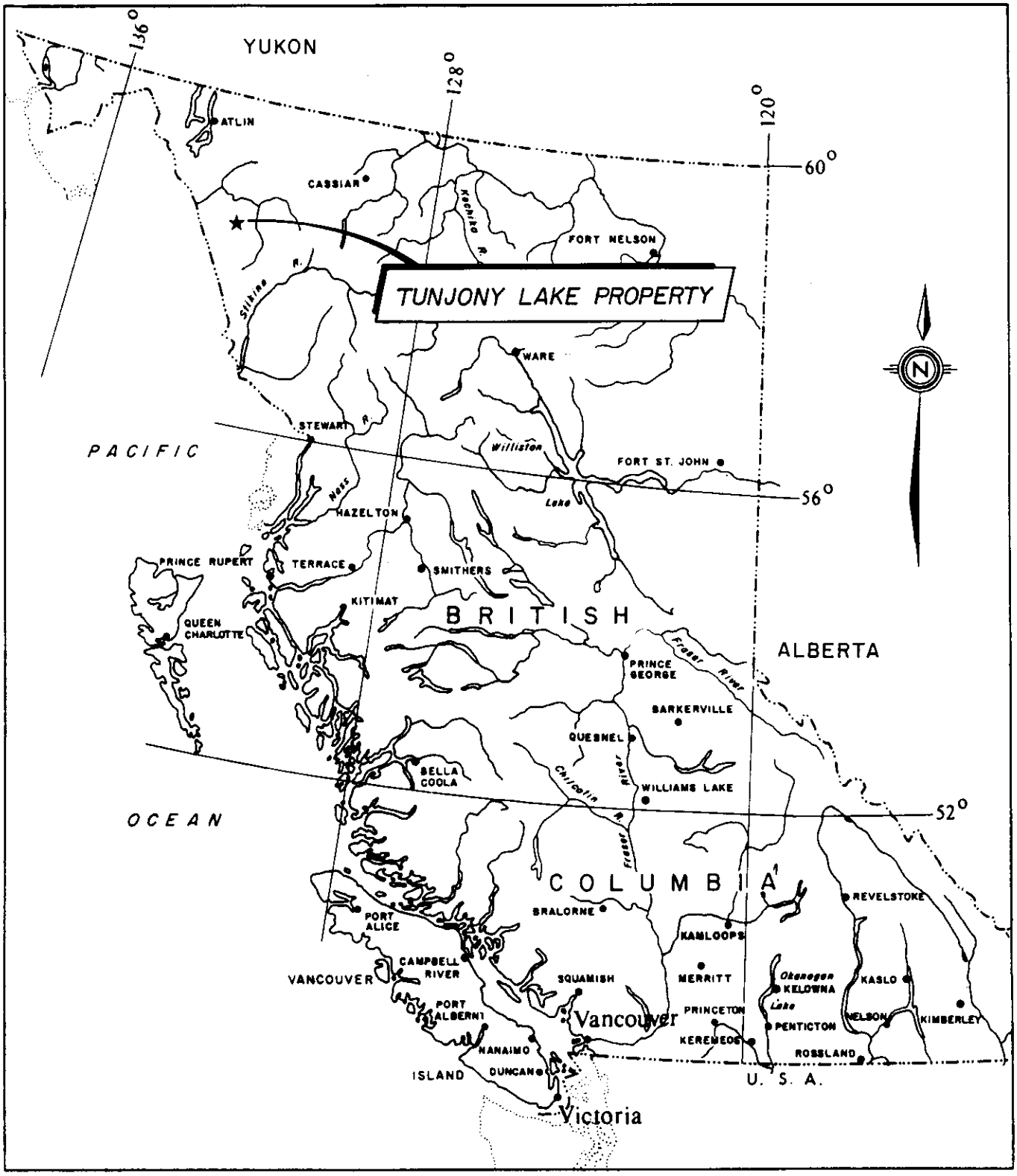
Current work was aimed at developing a preliminary understanding of the geological setting, and at completing initial reconnaissance exploration over most of the property. This report summarizes soil and rock sampling, prospecting and geological mapping conducted on the Tunjony Lake property between July 10 and August 3, 1991.

LOCATION, ACCESS and PHYSIOGRAPHY

The Tunjony Lake 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, 110 km to the southeast; Dease Lake, 140 km to the east; and Juneau, Alaska, 110 km to the west-southwest.

Access to the claim area is possible by float-equipped aircraft to Tunjony Lake or Trapper Lake (5 km north-northeast) or to Tatsamenie Lake (23 km southeast). Airstrips for conventional aircraft are located at Tatsamenie Lake, Muddy Lake (35 km southeast) and Tulsequah (65 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 Tunjony Lake property vary from approximately 975 m at Tunjony Lake to 2174 m near the centre of the Pink claim. All of the property is sub-alpine to alpine in nature.



TO ACCOMPANY REPORT NO. _____ BY _____

AZIMUTH GEOLOGICAL INC.

TOLTEC RESOURCES LTD.

TUNJONY LAKE

LOCATION MAP

Date	Scale	N.T.S.	Figure No.
OCT., 1991	1:7 500 000	104 K/7	1

CLAIM STATUS

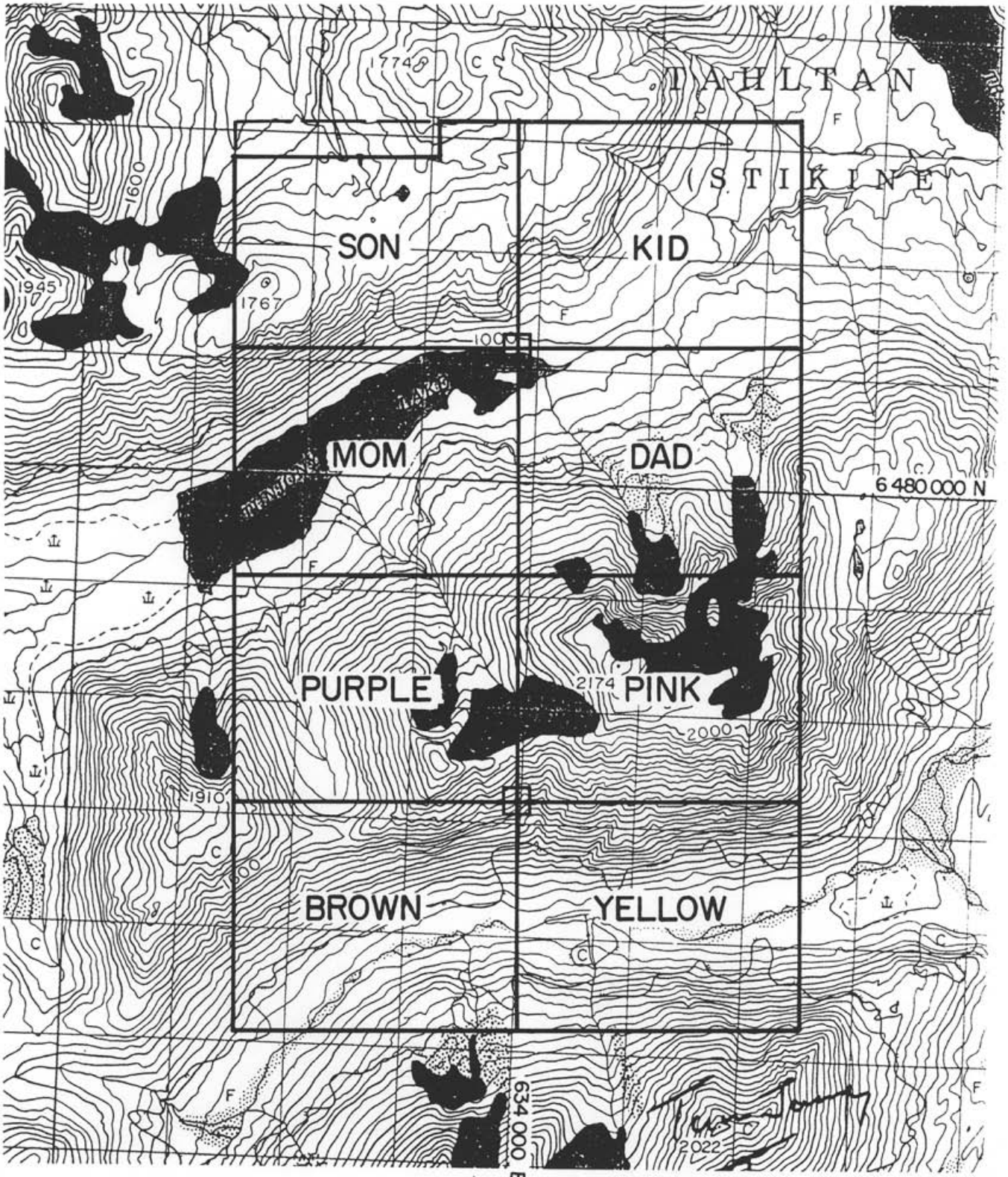
The Tunjony property consists of eight modified grid claims totalling 160 units (Figure 2) located in the Atlin Mining Division. Locations of Legal Corner Posts were confirmed in the field and approximate locations are shown in Figure 2 while exact locations are shown on Figure 4. Public records indicate all claims are owned by Toltec Resources Ltd.

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

Table 1. Claim data.

Claim Name	Record Number	Units	Expiry Date[1]
Pink	4487	20	March 19, 1995
Yellow	4488	20	March 19, 1995
Purple	4489	20	March 19, 1995
Brown	4490	20	March 19, 1995
Kid	4491	20	March 19, 1995
Dad	4492	20	March 19, 1995
Mom	4493	20	March 19, 1995
Son	4494	20	March 19, 1995

1: Assuming acceptance of current submission.



AZIMUTH GEOLOGICAL INC.

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TUNJONY LAKE

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 Tunjony Lake was prospected in the 1920's and 1930's following discovery of the Tulsequah Chief and Polaris Taku deposits, 65 km to the northwest.

No work is recorded on the claims prior to current staking by Toltec Resources Ltd.; however, Chevron Canada Resources Ltd. staked the adjoining Inlaw claims in 1983 and completed preliminary geological mapping, geochemical surveys and prospecting (Barr, 1989). Soil, rock and silt geochemistry conducted on the Inlaw claims in 1984 and 1988 defined a strong gold-arsenic-antimony in soil/talus anomaly and returned up to 44.6 g/t gold in rocks (Walton, 1985a; Barr, 1989).

The property was silt sampled in 1988 during a joint Federal - Provincial silt geochemical survey of the Tulsequah map-area. Of the five samples taken on the property, three samples taken near the south boundary of the property are weakly anomalous in silver and copper (GSC Open File 1647, 1988).

REGIONAL GEOLOGY

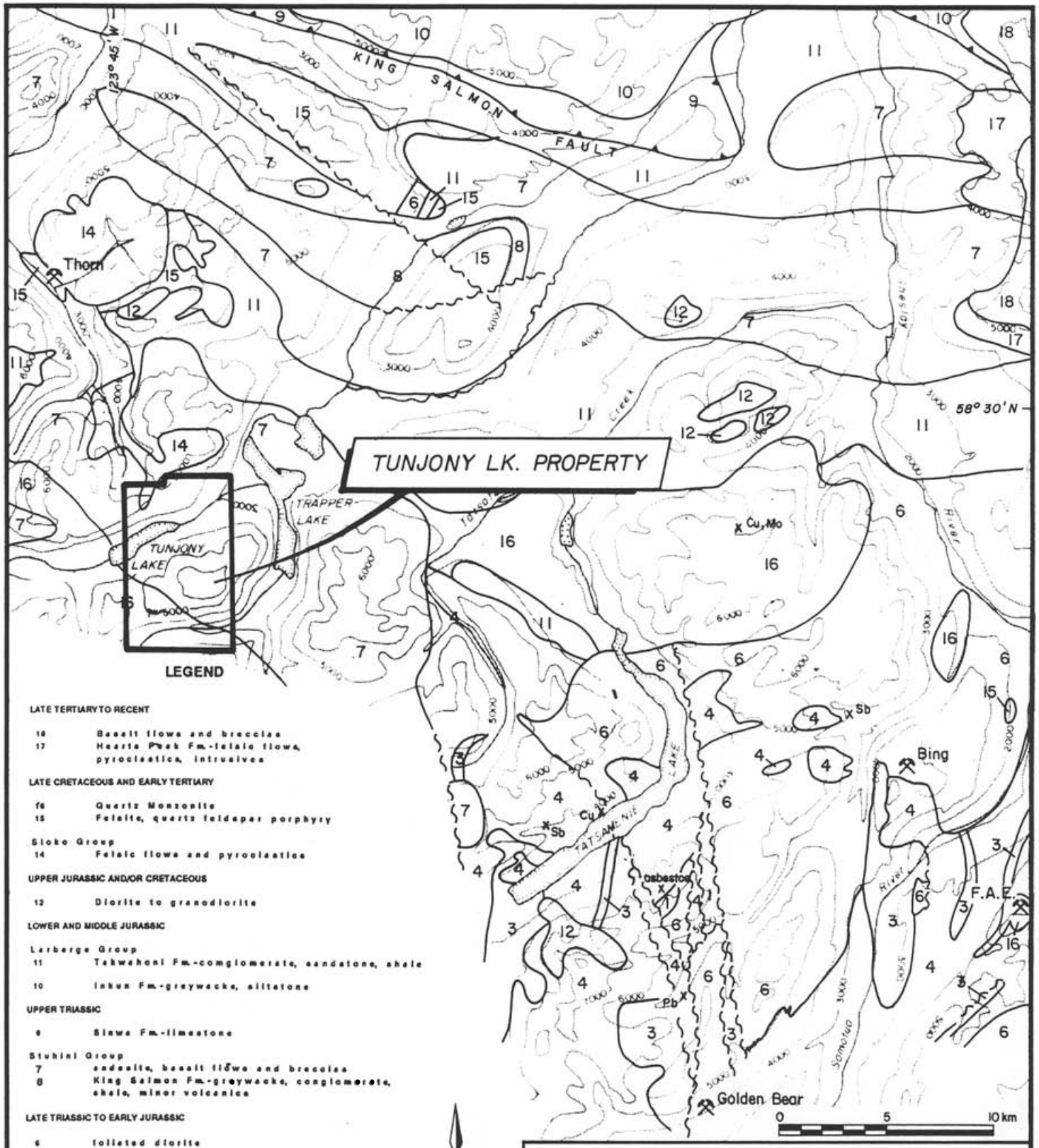
The Tulsequah map-area was most recently mapped by Souther (1971). Regional geology in the Tatsamenie Lake-Trapper Lake area is shown in Figure 3. Oldest rocks in the area are strongly deformed and regionally metamorphosed Permian and Lower Triassic metasediments and metavolcanics (Units 3 and 4) of 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). Current work has shown the Tunjony Lake claims to be underlain by the above Upper Triassic Stuhini volcanics and Tertiary Sloko Group volcanics and quartz monzonite. 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
mineral occurrence

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

AZIMUTH GEOLOGICAL INCORPORATED

TOLTEC RESOURCES LTD.
TUNJONY LAKE

GEOLOGY MAP

N.T.S. 104 K/7,10	Data G. Crowe	Date Oct., 1991
Scale 1 : 250 000	Drawn	Figure 3

Mineralization in the Tulsequah area is dominated by volcanogenic(?) massive sulphide deposits in the Tulsequah district, 65 km west-northwest of Tunjony Lake, 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 reserves for Tulsequah Chief are given as 7.8 Mt of 1.6% Cu, 1.2% Pb, 6.5% Zn, 2.7 g/t Au, 110 g/t Ag (Mining Journal, Jan. 17, 1992). 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 37 km southeast of Tunjony Lake (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 12 km north-northwest of Tunjony (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 10 and August 5, 1991 by geologist L. Lyons with assistance from other personnel (listed in Appendix A). Field work was supported from common camp facilities at Trapper Lake (5 km northeast of Tunjony Lake) where a contract Bell 206B helicopter supplied by Trans North Air was available for claim access.

Field work consisted of limited contour soil sampling at 50 m and 100 m intervals (3.7 km of line; 52 samples), silt sampling (13 samples) and 1: 10,000 scale mapping and prospecting. During mapping, samples of altered and mineralized float and outcrop were routinely taken (36 samples).

PROPERTY GEOLOGY

Preliminary geological mapping at 1:10,000 scale was completed by Lyons in July 1991 using airphotos and topography for control. Mapping generally confirmed regional mapping by Souther (1971) and identified four major map units as described below. Mapping on the property was locally hindered by the abundance of talus, snow and ice cover and by steep topography.

Lithologies

Unit 4. Andesitic tuffs and agglomerates:

Much of the central and northern portion of the property is underlain by massive andesite tuffs, agglomerates and local feldspar porphyritic flows. Volcanics are commonly rusty-weathering where pervasively iron-carbonate altered. Immediately south of Tunjony Lake a 500 m thick package of black cherty sediments occurs within the volcanics and trends southeast with steep northeast dip. Ubiquitous disseminated pyrite in the sediments causes the sediments to weather to a limonitic colour.

Souther (1971) assigned these volcanics to the Upper Triassic Stuhini Group.

Unit 10. Tuffaceous sandstone:

An small erosional remnant of Tertiary Sloko Group tuffaceous sediment unconformably overlies Stuhini volcanics (Unit 4) on the Son claim. Sediments are unmineralized, poorly sorted but well bedded.

Souther (1971) shows the sediments extending for 5 km north from the Tunjony property along the west side of the Inlaw property. These rocks vary considerably from felsic to dacitic ash tuff, crystal (feldspar) lithic tuff and welded tuff toward the base. In outcrop, volcaniclastics vary from light tan or cream to pale green.

Unit 11. Felsic dykes:

Massive, cream to grey coloured feldspar porphyry, feldspar quartz porphyry and aphanitic felsite dykes cross-cut Units 4 and 12. These dykes are generally fresh and only rarely silicified and pyritic. Souther (1971) noted that these felsic dykes are often closely spatially associated with Sloko Group volcanics and considered them coeval and consanguineous with the Sloko Group.

Felsic dykes consistently trend approximately 030° and dip steeply to the northwest.

Unit 12. Monzonite, quartz monzonite:

Much of the southwest corner of the property is underlain by fine grained, commonly pyritic quartz monzonite. The contact with older Stuhini volcanics trends northwest-southeast and passes from the northwest corner of the Purple claim to the southeast corner of the Yellow claim. According to Souther (1971) this Tertiary quartz monzonite is part of the regionally extensive Coast Range batholith.

The contact, where exposed near the Pink-Yellow claim boundary, is silicified and brecciated over 2 to 3 m.

MINERALIZATION AND ROCK GEOCHEMISTRY

Rock samples were taken of all mineralized and altered float and outcrop encountered while prospecting or soil sampling. Four areas containing significant veining and/or base or precious metals were identified. Significant sample results are tabulated in Table 2 and results discussed in more detail below. Sample descriptions are appended in Appendix B.

TABLE 2. Significant rock sample results.

Sample No.	ppb Au	ppm Ag	ppm Cu[1]	ppm Pb[1]	ppm Zn[1]
18861	300	2.4	226	-	-
18874	3	5.9	17449	1750	349
18878	39	7.1	9620	-	386
18879	28	5.4	8861	-	315
18880	10	1.0	3486	-	-
18882	381	66.7	334	-	-
18897	2	7.4	2575	-	-
18898	1	27.4	20028	-	-
18909	2946 ppm arsenic				

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

Six of the rock samples show significant copper values (0.25% to 2.0%). Of these six samples, sample 18874 is from the silicified, brecciated contact between quartz monzonite and Stuhini volcanics. No sulphides were noted in this sample but malachite was abundant. The remaining five copper-rich samples are from a narrow, shear-controlled quartz-sericite alteration zone (samples 18878 - 18880) and from erratic chalcopyrite stringers (samples 18897 and 18898).

Gold shows no correlation with copper and the two anomalous samples have only minor copper values. Sample 18861 (300 ppb gold) is a float sample taken on the west side of the Purple claim. Mineralization consists of blebby to massive pyrite within epidotized quartz monzonite. Sample 18882 (381 ppb gold; 66.7 ppm silver) was taken near the boundary of the Son/Mom claims from a 1.5 m wide limonitic breccia zone with a silicified core. The zone is apparently discontinuous.

Sample 18909 was taken near the Son/Kid claim boundary and consists of strongly carbonate altered volcanic cut by minor quartz stringers. Although not anomalous for base or precious metals the sample does carry significant arsenic (0.29%) and suggests a potential epithermal system warranting further prospecting.

A large gossan was located near the centre of the Brown claim and is associated with pyritic quartz monzonite cut by numerous sub-parallel felsic, diorite, and basaltic dykes. Three rock samples taken from this area did not return anomalous values; however, a soil line run below the gossan did return several anomalous samples and is discussed further under Soil Geochemistry.

SOIL AND SILT GEOCHEMISTRY

The 52 soil samples were taken along four widely spaced contour soil lines. Two lines were sampled at 50 m spacing (L1060 and L1390) and two lines at 100 m spacing (L1255 and L1595). Because of the steep slopes and alpine terrain there is no soil development on the grid and all samples were of talus-fine material. Samples were taken at depths between 5 and 35 cm, placed in Kraft bags and shipped to TSL Laboratories in Richmond, B.C. (L1390) or to Min-En Labs in Vancouver, B.C. (all others) for 31 element ICP and geochemical gold analysis. Analytical techniques are included in Appendix E.

Gold and silver results are plotted on Figure 4 while all results are compiled in Appendix D.

L1595 is a 2.1 km line crossing a plateau like area with extensive overburden on the Son claim. Metal values in soils from this line are uniformally low with slightly elevated arsenic values (27 - 68 ppm) where the line crosses Tertiary Sloko sediments.

L1060 is a 1 km line extending along a steep slope below an area of andesitic volcanics cut by quartz-chalcopyrite stringers (rock samples 18897 & 18898; Yellow claim). Silver and copper values are elevated along most of the line, varying from 0.2 to 3.1 ppm silver and 135 to 630 ppm copper. Several stations along the line also show significantly anomalous cadmium (0.9 to 20.5 ppm), lead (23 to 669 ppm) and zinc (44 to 1691 ppm). There appears to be widespread mineralization in this area which merits further evaluation.

L1390 is a short 300 m line run along contour below a persistent, altered and quartz veined felsic dyke on the Dad claim. Sample 0+50E ran 250 ppb gold and suggests the area warrants further prospecting.

L1255 is a short 200 m line run below the gossan on the Brown claim to quickly test metal values in talus originating from the gossan. All samples are anomalous in copper (298 - 1133 ppm), molybdenum (63 - 183 ppm) and lead (135 -605 ppm). Gold values are all 5 ppb. Although the three rock samples taken from this area did not contain significant mineralization the area deserves further prospecting and sampling.

Thirteen conventional silt samples were taken where traverses crossed significant drainages. Samples were placed in Kraft bags and shipped to TSL Laboratories in Richmond, B.C. (Sample 18403) or to Min-En Labs in Vancouver, B.C. (all others) for 31 element ICP and geochemical gold analysis. Analytical techniques are included in Appendix E. All samples have background metal values except for sample 18871, taken in the northwest corner of the Dad claim, which ran 7908 ppm arsenic. Rock samples taken at the head of the drainage

(samples 18401 to 18406) are only weakly anomalous in gold (25 &30 ppb). The highly anomalous arsenic value justifies more detailed silt sampling and prospecting in this drainage.

CONCLUSIONS

The Tunjony Lake property covers a large area of the contact between Tertiary Coast Range quartz monzonite and Upper Triassic Stuhini Group andesitic volcaniclastics and flows. A small outlier of Tertiary Sloko Group tuffaceous sediments unconformably overlies Stuhini volcanics in the northwest corner of the claims. Northeast trending felsic dykes, which are probably coeval with the Sloko Group volcanics, cut the quartz monzonite and the volcanics.

Reconnaissance prospecting, rock sampling, soil sampling and silt sampling located three areas containing significant copper values (0.25% to 2.0%), two areas with elevated gold values and one drainage with strongly anomalous arsenic.

One of the areas containing copper mineralization is along a silicified and brecciated section of the quartz monzonite-volcanic contact. The other two areas are an altered shear and scattered quartz-chalcopyrite stringers within Stuhini volcanics. Soil sampling below the area of quartz-chalcopyrite stringers suggests mineralization is more widespread than seen on surface and deserves further evaluation. The areas of copper mineralization do not contain significant gold values.

Elevated gold values (300 ppb and 381 ppb) were found in two samples from widely separated areas. A float sample of epidotized quartz monzonite ran 300 ppb gold and a rusty, discontinuous breccia zone in volcanics ran 381 ppb gold. The float sample was not followed up.

A large gossan was discovered near the centre of the Brown claim which did not return any significant rock sample results. However, several soil/talus samples taken below the gossan were anomalous for copper, molybdenum and lead and justify additional prospecting and sampling in this area.

With one exception, silt samples contained only background metal values. The one anomalous sample was taken from a 1.5 km long drainage which drains northwest into the east end of Tunjony Lake and which ran 7908 ppm arsenic. Limited soil sampling and prospecting near the head of the drainage located a persistent, altered, pyritic felsic dyke and a single station gold in soil anomaly. Additional prospecting and sampling should further evaluate this drainage.

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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.

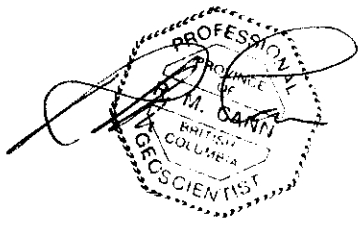
4) I have practised my profession continuously since 1979.

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. Geol.

CERTIFICATE

I, Gregory G. Crowe, of Bowen Bay Road, Bowen Island, 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 in Geology from Carleton University, 1977.

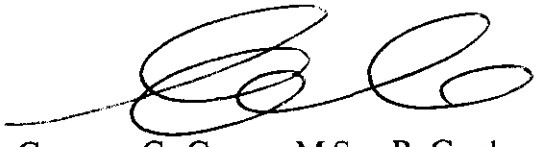
3) I hold a degree of Master of Science in Structural Geology from the University of Calgary, 1981.

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

5) I am a registered member of the Association of Professional Engineers, Geophysicists and Geologists of Alberta (Membership No. 35569).

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

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



Gregory G. Crowe, M.Sc., P. Geol.

CERTIFICATE

Appendix A

COSTS INCURRED

COSTS INCURRED - JULY 1 TO AUGUST 5

Mobilization		$ 1,466.41
Demobilization (proportional share)		7,390.10
Supervision - R. M. Cann/G. Crowe	2.4 @ $400/day	960.00
Field superv. - L. Haynes/J. Lehtinen	1.8 @ $375/day	675.00
Sr. geol. - L. Lyons	12.5 @ $350/day	4,375.00
Sr. geol. - W. Taylor	3.0 @ $350/day	1,050.00
Ass't - T. Muraro	3.0 @ $225/day	675.00
Ass't - H. Culbert	5.0 @ $225/day	1,125.00
Ass't - S. Becherer	4.5 @ $225/day	1,012.50
Food and accom. at Trapper Lk. camp	32.2 @ $120/manday	3,864.00
Consumable supplies & equip. rental	32.2 @ $25/manday	805.00
Telephone, communications		1,986.64
Portable radio rentals		50.00
Helicopter (Trans North)	5.15@ $750/hr	3,865.33
Transportation (shipping, trucking, fixed wing, etc.)		9,955.48
Analytical		
Soils (Au+31 element ICP)	60 @ $12	480.00
	8 @ $17.40	1,410.00
Rocks (Au+31 element ICP)	35 @ $17	510.00
	5 @ $20.40	102.00
Assays (Au)	6	50.50
Shipping		150.00
Camp Construction - Jempland (proportional share)		6,160.00
Publications, maps, airphotos		136.42

COSTS INCURRED - cont.

Report	
Drafting	1,000.00
Copying/Reproductions	550.00
Writing	2,950.00
TOTAL	**$ 52,754.38**

Appendix B

ROCK SAMPLE DESCRIPTIONS

ROCK DESCRIPTION SHEET TUNJONY LAKE: 9110 (TOLTJ)

SAMPLE NO.	CLAIM	WIDTH metres	UTM northing	UTM easting	ELEVATION metres	DESCRIPTION
18401	DAD	FLOAT	6479620	635110	1395	Quartz vein breccia float. Drusy, disseminated pyrite, clay and silica altered fragments.
18402	DAD	GRAB O/C	6479500	635300	1485	Carbonate quartz vein breccia, 20cm 213/54NW
18404	DAD	GRAB O/C	6479330	635580	1680	Carbonate-quartz vein breccia with spotty pyrite.
18405	DAD	GRAB O/C	6479410	635590	1650	Carbonate-quartz vein breccia with spotty pyrite.
18406	DAD	GRAB O/C	6479440	635600	1630	Quartz-carbonate vein with blebby pyrite, trace malachite 210/50NW.
18861		FLOAT	6478630	631150		Blebby to massive pyrite in epidote-limonite altered intrusive.
18866	PURPLE	GRAB O/C	6479080	632490		Quartz vein in altered volcanic tuff-stockwork zone. Rusty main vein up to 10cm, some brecciation, 074/74SE.
18872	BROWN	GRAB O/C	6477130	631390		Siliceous pyrite zone in quartz monzonite intrusive, 3cm width, with pyrite in wallrock.
18873	PINK	GRAB O/C	6477620	633900		Quartz vein breccia stockwork along monzonite/ Stuhini contact. 2-3m width 351/60W.
18874	PINK	GRAB O/C	6477620	633900		Siliceous quartz zone similar to 18873. Malachite stain
18875	PINK	GRAB O/C	6477620	633900		Same as 18873.
18876	PINK	GRAB O/C	6477700	634060		Massive pyrite in stringers hosted in chlorite altered volcanics.
18877	PINK	GRAB O/C	6477750	634170		Quartz -carbonate veins in altered volcanics.
18878	MOM	FLOAT	6480350	631200		Chlorite altered volcanic with malachite and limonite stain.
18879	MOM	GRAB O/C	6480350	631200		Silica and sericite altered volcanic(as 18878) Pyrite, bornite(?), chalcopyrite(?) and malachite stain. Zone pinches out to north. 143/64SW. 20cm.
18880	MOM	GRAB O/C	6480410	631180		Rusty zone with silicification and carbonate veins with pyrite & chalcopyrite(?).

ROCK DESCRIPTION SHEET TUNJONY LAKE: 9110 (TOLTJ)

SAMPLE NO.	CLAIM	WIDTH metres	UTM northing	UTM easting	ELEVATION metres	DESCRIPTION
18881	MOM	GRAB O/C	6480700	631560		Quartz-carbonate veins in fractures within crystal tuff. Approx. 10-15cm width, 008/60SE.
18882	SON	GRAB O/C	6481080	632030		Quartz-carbonate breccia vein. Siliceous zone 70cm. Limonite breccia zone 1.5m. 209/60NW.
18883	SON	GRAB O/C	6481890	632510		Siliceous breccia with drusy texture around clasts. 1m width, 025/45SE.
18886	SON	GRAB O/C	6481650	633030		Carbonate vein in volcanic tuff. Rusty. 5-10cm, brecciated 000/90.
18888	SON	FLOAT	6481710	633260		Altered tuff-fuchsite/sericite/limonite.
18889	SON	GRAB O/C	6481710	633260		Altered tuff in fault breccia. Carbonate stringers.
18890	SON	GRAB O/C	6481710	633260		Siliceous altered tuff. Brecciated limonite zone approx 2m. Siliceous zone in hanging wall.
18891	SON	FLOAT	6481840	633770		Andesite tuff/flow with mafic phenos and disseminated pyrite.
18892	KID	FLOAT	6482760	634470		Drusy quartz vein. 10cm limonitic.
18895	YELLOW	FLOAT	6476820	636290		Andesite tuff with disseminated, blebby and stringers of pyrite.
18896	YELLOW	FLOAT	6476910	635770		Quartz, limonitic with spotty pyrite.
18897	YELLOW	GRAB O/C	6476880	635660		Andesite flow/dyke? Pyrite on fractures with minor malachite.
18898	YELLOW	GRAB O/C	6476880	635630		Quartz-chalcopyrite stringers in andesite.
18908	SON	GRAB O/C	6482560	633000		Carbonate-quartz vein, 15cm, in 10m width carbonate altered zone.
18909	KID	GRAB O/C	6482610	633910		Intense carbonate altered volcanic. Limonitic, brecciated, some quartz stringers.
18910	KID	GRAB O/C	6482600	633920		Carbonate-quartz vein breccia in carbonate altered volcanic.
18923	BROWN	GRAB O/C	6476780	631890		Limonitic intrusive monzonite with disseminated to blebby pyrite and spotty magnetite.

ROCK DESCRIPTION SHEET TUNJONY LAKE: 9110 (TOLTJ)

SAMPLE NO.	CLAIM	WIDTH metres	UTM northing	UTM easting	ELEVATION metres	DESCRIPTION
18924	BROWN	GRAB O/C	6476510	632150		Felsic dyke with disseminated, blebby pyrite.
18925	BROWN	GRAB O/C	6476240	632280		Monzonite with fracture filled and disseminated pyrite. Adjacent to rhyolite dyke.

Appendix C

ROCK ANALYTICAL RESULTS

COMP: AZIMUTH GEOLOGICAL
PROJ: TUNJONY PO TOLTJ
ATTN: G.CROWE

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-0191-RJ1
DATE: 91/07/26
* ROCKS * (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
18854	.3	1440	36	6	13	.1	1	10	.3	3	20	6310	350	2	480	196	2	30	7	130	8	1	2	1	9	10.7	39	1	1	8	199	2
18855	1.6	3150	201	5	43	.1	1	10	.1	9	22	12460	1500	1	410	163	26	20	59	90	124	23	12	1	7	13.2	28	1	1	5	142	8
18856	.8	2240	206	3	64	.2	1	7610	.6	13	34	17690	750	1	4140	546	3	20	109	100	39	11	12	1	7	23.8	100	2	1	6	152	4
18857	72.5-	2030	1967-	6	46	.1	1	10	22.6	14	38488-	54480	800	1	260	170	28	20	14	150	2266-	1761	9	1	9	21.2	333	1	1	10	135	233-
18858	1.7	2540	43	5	34	.4	3	96150	.1	17	192	51230	1000	1	52490	2097	1	80	52	230	22	11	71	1	11	141.2	134	1	1	1	18	3
18861	2.4-	3690	1	11	7	.1	5	6120	.1	286	226	224810	430	1	210	1	7	130	1	100	8	1	75	1	359	12.0	66	1	1	1	1	300-
18866	1.0	2180	572-	1	39	.3	1	220	.1	4	50	10540	710	3	1340	171	3	10	2	290	22	69	2	1	12	8.0	10	1	1	5	131	18

COMP: AZIMUTH GEOLOGICAL
PROJ: TUNJONI PO TOLTJ
ATTN: G.CROWE

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-0190-RJ1
DATE: 91/07/26
* 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
18872	4.8	7400	23	5	58	.2	7	6260	.1	35	542	27320	860	9	2950	74	2	330	11	520	76	5	40	1	521	28.8	87	1	1	2	50	24
18873	.7	2780	33	3	8	.3	1	4130	.1	1	145	5220	1390	1	370	115	64	10	3	50	24	2	1	1	9	14.4	18	1	1	7	184	18
18874	5.9	3780	21	3	19	.7	1	10	1.2	7	17449	5320	2740	2	430	593	119	20	5	10	1750	25	5	7	11	3.4	349	2	1	6	90	3
18875	1.2	4360	40	1	5	.6	2	10	.1	2	200	7300	2260	2	530	76	49	10	2	60	37	4	2	4	9	15.5	41	3	1	6	167	7
18876	1.4	37770	1	7	20	.1	9	11520	.1	36	212	90500	1030	98	28470	740	1	810	8	1280	6	1	30	1	2158	223.5	77	1	1	3	36	2
18877	1.3	4910	27	1	8	.7	3	68360	.1	8	70	20100	340	7	11430	946	7	30	19	290	12	2	54	1	56	47.2	13	5	1	8	188	2
18878	7.1	34430	1376	6	8	.6	1	24130	.1	116	9620	54400	400	60	53210	935	1	100	999	900	23	27	55	1	187	226.5	386	1	1	9	208	39
18879	5.4	24330	972	5	28	.8	1	22790	.1	58	8861	40120	970	44	34380	428	2	200	738	1300	19	34	58	1	45	65.2	315	1	1	8	198	28
18880	1.0	37090	296	7	15	.8	1	66080	.1	48	3486	65860	1290	66	55190	1236	4	20	243	710	1	3	127	1	67	151.9	42	1	1	10	286	10
18881	1.4	1370	34	1	63	.5	3	86520	.1	11	52	19560	290	3	19430	1170	4	10	21	70	12	3	88	1	11	48.0	15	4	1	5	104	4
18882	66.7	3640	69	1	8	.6	2	68030	.1	13	334	21550	510	6	40740	462	29	20	48	50	27	2	146	1	8	62.1	13	1	1	6	157	381
18883	1.0	1430	35	1	27	.1	1	970	.1	5	25	5540	650	2	550	104	26	20	10	20	5	2	3	1	7	10.8	2	2	1	9	229	4

COMP: AZIMUTH GEOLOGICAL INC.
PROJ: TUNJONY TOLTJ
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-0273-RJ1
DATE: 91/08/06
* 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
18886	1.1	13990	1	3	38	.6	1	69210	.1	18	37	34030	980	12	53300	973	1	40	41	140	1	1	112	1	15	96.1	33	1	1	3	144	2
18888	.7	11640	60	5	32	.9	1	61170	.1	28	53	40120	1760	19	28390	990	1	60	80	400	2	1	39	1	10	78.3	42	1	1	8	193	1
18889	.8	7600	88	4	35	.9	1	67070	.1	37	53	40050	1330	11	29000	1192	1	60	69	300	2	1	56	1	9	66.8	43	1	1	10	254	2
18890	.9	2730	43	1	18	.5	1	29720	.1	11	24	18820	850	4	13990	715	4	30	25	440	8	1	31	1	7	36.4	18	3	1	7	154	1
18891	1.4	19790	1	1	16	.2	8	14220	.1	30	96	45150	1740	11	27650	548	1	280	34	1030	1	1	26	1	2278	123.7	47	1	1	6	132	4
18892	.1	1640	62	1	31	.1	1	7310	.1	10	47	23480	710	1	1020	2364	12	30	11	150	25	9	4	1	24	29.5	56	1	1	9	225	46
18895	1.9	37920	1	3	9	.1	17	12910	.1	39	45	96600	820	34	31290	1588	1	320	1	2800	1	1	24	1	4830	243.7	93	1	1	4	33	2
18896	.5	1470	45	1	4	.3	1	890	.1	4	14	9280	730	1	530	62	33	20	6	130	8	2	3	1	54	9.1	15	2	1	9	240	5
18897	7.4	26640	1	1	113	.2	9	19870	.1	36	2575	50260	14640	61	21590	470	1	1050	10	1370	5	1	151	1	3525	194.6	141	1	1	7	102	2
18898	27.4	10710	7	1	3	.2	1	22010	.1	13	20028	49430	380	3	3700	518	7	50	101	910	39	18	109	1	1225	75.3	122	2	1	10	158	1
18908	1.9	2690	1	1	26	.6	1	99450	.1	16	238	55320	570	2	68730	1582	1	80	5	100	1	11	46	1	28	93.5	52	1	1	1	49	1
18909	1.1	3320	2946	2	826	.6	1	75170	.1	12	151	50320	990	3	42330	1770	1	70	4	140	2	13	45	1	15	55.8	33	1	1	2	66	3
18910 →	1.1	2610	40	1	17	.7	2	68800	.1	11	49	36760	1220	1	28350	1379	11	50	2	230	9	3	41	1	13	47.1	20	1	1	3	75	22

COMP: AZIMUTH GEOLOGICAL
PROJ: TUNJONY P.O. TOLTJ
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-0357-RJ1
DATE: 91/08/13
* 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
18923	.7	8970	11	12	55	.1	7	5310	.1	6	34	20320	920	12	5110	224	5	770	1	770	14	3	23	2	1103	43.7	44	3	1	5	101	2
18924	.8	10210	1	9	310	.1	14	5800	.1	10	10	40390	2910	16	8960	233	6	570	1	1370	12	1	24	2	2826	44.5	22	2	2	5	74	1
18925	1.3	17770	1	7	55	.2	7	9650	.1	6	366	15580	1720	8	2310	131	6	1790	1	840	17	1	50	2	631	26.3	24	2	1	4	91	1

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. S3034

INVOICE #: 17944
P.O.: R3401

SAMPLE(S) OF: Rock

T. Muraro
Project: TOLTJ Azimuth

REMARKS: Azimuth Geological Inc.

	Au ppb
18401	20
18402	5
18404	5
18405	25
18406	30

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

Aug 19/91

SIGNED Bernie Dunn

CTA

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:TOLTJ
S3034

REPORT No. : M9592
Page No. : 1 of 1
File No. : AU26MA
Date : AUG-27-1991

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
18401	< 1	0.24	30	< 10	17	< 1	< 5	17	1	15	35	30	4.7	0.21	0.91	1600	4	<0.01	24	160	12	20	14	< 10	250	< 1	100	< 10	15	52	9
18402	< 1	0.15	35	< 10	24	< 1	< 5	13	< 1	5	67	10	2.5	0.09	0.77	1400	< 2	<0.01	16	70	11	15	6	< 10	170	< 1	48	< 10	7	18	4
18404	< 1	0.23	45	< 10	9	< 1	< 5	19	< 1	12	31	23	3.5	0.07	0.97	1500	2	<0.01	28	< 2	11	20	7	< 10	400	< 1	62	< 10	9	26	5
18405	< 1	0.37	120	< 10	14	< 1	< 5	18	< 1	11	110	62	4.1	0.13	0.93	1100	2	<0.01	33	180	12	30	17	< 10	220	< 1	120	< 10	8	28	10
18406	< 1	0.33	120	< 10	4	< 1	< 5	21	< 1	14	66	64	3.4	0.09	0.98	1200	2	<0.01	44	160	10	30	9	< 10	340	< 1	93	< 10	6	29	6

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 : _____

Appendix D

SOIL AND SILT ANALYTICAL RESULTS

COMP: AZIMUTH GEOLOGICAL
PROJ: TUNJONI
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-0274-SJ2+3
DATE: 91/08/08
* 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
L1060 10+00W	.9	24200	2	13	43	.9	7	8360	.1	28	277	42760	2090	52	19910	1376	10	110	33	990	58	1	31	1	1266	114.1	169	1	1	5	70	5
L1060 09+50W	1.2	14180	13	8	30	.9	2	8560	.1	23	237	33940	1260	23	11270	1253	23	920	28	1840	89	2	27	1	446	74.1	115	1	1	4	66	5
L1060 09+00W	1.3	17770	23	8	67	.8	4	16370	1.4	53	554	41090	3360	32	14430	2317	9	500	32	2280	91	1	43	1	658	101.0	274	1	1	3	31	10
L1060 08+50W	.8	23630	6	7	38	.4	11	9620	.1	29	135	52210	1770	42	16460	1255	17	460	21	1290	52	1	42	1	2020	152.7	175	1	1	6	65	5
L1060 08+00W	.8	18180	25	7	18	.7	4	15500	.1	48	247	41220	1670	28	17340	1924	26	460	62	2530	100	1	45	1	636	110.9	148	1	1	8	163	5
L1060 07+50W	.7	21320	37	6	39	.8	5	13930	.1	43	278	41810	2410	39	19830	2105	7	490	50	1980	61	1	49	1	935	117.9	224	1	1	6	92	10
L1060 07+00W	1.4	5350	1	3	13	.2	1	4880	.1	7	224	13130	420	1	870	121	42	480	9	2060	15	1	13	1	113	13.1	44	1	1	1	21	5
L1060 06+50W	.9	14500	18	5	71	.7	5	14260	8.1	29	162	28920	1080	23	11290	1552	13	450	32	2210	71	1	42	1	542	137.3	375	1	1	5	54	5
L1060 06+00W	1.6	24050	65	6	89	.8	8	14330	.1	31	253	47920	1740	49	25750	1376	21	440	58	980	46	4	41	1	1517	136.5	220	1	1	6	103	10
L1060 05+50W	1.3	27710	42	6	28	.3	10	10720	.1	35	242	45980	1470	52	29010	856	4	110	84	900	23	1	34	1	2027	127.7	130	1	1	8	155	5
L1060 05+00W	1.9	29610	13	6	48	.4	10	12620	.1	41	375	50850	1450	47	33460	1156	1	160	91	1090	41	1	39	1	1872	137.0	142	1	1	8	166	5
L1060 04+50W	1.8	16820	81	6	29	.4	6	17420	9.8	84	530	36380	1330	25	13470	1846	12	430	38	2020	397	1	46	1	1007	110.2	617	1	1	4	42	5
L1060 04+00W	2.8	28710	33	7	32	.5	11	17290	.1	67	630	56060	1560	48	25620	1747	8	480	83	1340	117	1	51	1	2191	239.5	560	1	1	7	90	20
L1060 03+50W	2.0	22800	34	6	24	.6	7	17940	.1	58	473	45540	1010	36	20880	1246	7	530	64	1630	95	1	50	1	1430	147.2	363	1	1	5	67	5
L1060 03+00W	3.1	21460	92	7	168	.8	10	20450	20.5	57	542	47550	1030	29	14430	1821	13	550	68	1510	669	3	52	1	1517	223.9	1691	1	1	5	44	5
L1060 02+00W	1.3	17190	72	6	35	.7	4	16350	.9	62	498	41950	980	25	13770	1449	14	750	41	2050	178	2	37	1	584	103.1	326	1	1	3	35	5
L1060 01+50W	2.4	21000	36	6	31	.5	10	15800	.1	50	550	55610	2220	33	18170	1752	15	530	49	1210	94	1	42	1	1965	156.3	411	1	1	4	36	10
L1060 01+00W	2.0	12610	31	6	27	.5	4	23150	6.3	57	557	33620	1290	16	9930	1620	13	540	45	2080	77	2	55	1	672	97.0	382	1	1	3	26	5
L1060 00+50W	.8	16010	59	7	56	.6	5	17130	1.1	66	293	42430	1110	20	11590	2006	21	560	50	2310	80	2	58	1	721	170.8	369	1	1	4	40	5
L1060 00+00W	.2	24980	164	6	51	1.0	6	11340	.1	68	304	60470	840	34	20090	2292	20	380	64	2020	67	1	36	1	943	158.5	263	1	1	7	113	5
L1595 0+00E	.1	27960	41	6	150	.6	3	1350	.1	18	37	40420	1180	17	10520	700	1	50	83	1420	18	2	12	1	70	108.5	66	2	1	8	162	5
L1595 1+00E	.3	18820	68	4	161	.7	2	2110	.1	13	26	20280	1760	16	3740	443	1	70	20	890	44	3	11	2	24	41.1	63	1	1	2	39	5
L1595 3+00E	.1	12660	48	5	181	.8	1	910	.1	20	46	40610	1300	2	1350	567	1	30	16	910	22	4	7	1	18	45.1	66	1	1	1	21	5
L1595 4+00E	.1	18690	27	5	363	.7	3	3180	.1	10	37	32250	740	10	3950	355	1	60	12	790	17	4	12	1	118	87.2	54	1	1	4	59	10
L1595 5+00E	.1	22210	7	6	129	.8	3	5010	.1	19	114	46890	1080	15	11390	808	1	80	34	670	15	2	17	2	315	124.3	67	1	1	5	85	5
L1595 6+00E	.1	25540	1	7	348	.7	2	5060	.1	24	192	61550	1710	18	10620	1183	1	70	23	950	12	2	22	1	125	156.8	84	1	1	5	60	5
L1595 7+00E	.1	19650	8	6	171	.8	2	5600	.1	20	123	50190	990	14	9400	923	1	80	30	690	15	2	18	1	170	127.2	70	1	1	4	56	5
L1595 8+00E	.1	24780	4	6	67	.4	2	1470	.1	15	98	47160	1310	14	6380	485	1	40	17	1390	12	3	11	1	123	121.8	72	1	1	4	58	10
L1595 9+00E	.1	16390	1	6	601	.3	1	5680	.1	25	88	66730	1450	4	3140	1162	1	60	26	590	9	1	12	1	23	223.3	76	1	1	5	72	5
L1595 10+00E	.2	6990	10	2	485	.9	1	7580	.1	10	17	26900	1430	3	1690	1435	1	60	2	1340	38	1	56	3	34	61.7	62	1	1	1	8	5
L1595 11+00E	.2	13150	1	6	384	.7	1	2240	.1	6	30	24100	930	6	1200	550	1	50	1	1320	21	1	14	1	35	60.8	58	1	1	1	7	5
10-0-18887	.1	9000	3	5	553	.6	1	8020	.1	18	88	40970	1620	8	4430	1134	1	50	14	1090	17	1	54	1	32	93.6	91	1	1	2	19	5
10-0-18893	.4	22920	1	5	243	.8	3	9530	.1	26	56	36740	1560	13	39240	761	1	120	247	1550	16	1	44	1	541	77.4	85	1	1	5	138	5
10-0-18894	.7	32580	1	5	94	.5	3	9450	.1	47	62	46540	440	22	93890	686	1	130	608	420	1	1	56	1	1298	93.3	67	1	2	6	269	5

COMP: AZIMUTH GEOLOGICAL
PROJ: TUNJONY P.O. TOLTJ
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-0357-SJ1
DATE: 91/08/14
* 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 1225 2+50W	1.6	21290	1	14	403	1.6	7	9210	.1	67	1133	45300	800	21	7590	2784	75	100	3	1950	206	1	76	3	1111	84.7	122	3	1	12	11	5
L 1225 1+50W	1.2	18830	8	9	862	1.8	6	8930	.1	61	722	42320	1920	18	5460	5137	63	110	18	2230	135	1	77	1	300	46.0	195	3	1	3	6	5
L 1225 1+00W	1.4	27980	11	10	309	3.3	11	7610	.1	55	378	40870	1390	25	7650	4388	183	110	30	1620	605	1	76	1	497	62.2	208	4	1	3	30	5
L 1225 0+00W	1.0	21690	12	7	378	1.8	7	7010	.1	50	298	38920	1620	23	6430	2753	84	170	19	1800	323	2	68	1	465	51.5	161	4	1	3	21	5
L 1595 12+00E	.4	14160	11	5	439	.7	3	5850	.1	12	30	30980	1390	6	3540	1039	3	100	10	860	37	1	33	1	136	73.4	57	2	1	1	14	5
L 1595 13+00E	.5	16410	4	6	534	.7	2	7500	.1	11	25	32490	2260	6	2980	1409	1	110	4	1360	34	2	33	1	135	79.9	67	2	1	1	10	5
L 1595 14+00E	.5	18590	11	5	619	.6	3	4520	.1	11	26	30670	1560	6	2880	1148	1	90	12	1100	30	1	26	1	63	74.7	68	2	1	2	16	5
L 1595 15+00E	.4	27100	10	4	310	.2	3	2290	.1	6	15	25210	1190	5	2750	202	1	120	3	1960	13	1	16	1	116	75.1	54	3	1	2	25	5
L 1595 16+00E	.4	26670	14	5	245	.5	3	2220	.1	10	24	32290	1190	12	4030	489	1	120	15	1380	19	1	13	1	103	77.4	62	3	1	2	23	5
L 1595 17+00E	.5	26010	7	4	150	.3	3	1330	.1	8	29	30600	1460	9	3910	804	1	160	9	1630	24	1	10	1	121	80.3	53	3	1	2	29	5
L 1595 18+00E	.1	30610	46	6	529	.7	4	8520	.1	21	68	53460	840	21	13270	659	1	500	165	1850	17	1	23	1	124	140.5	47	4	1	9	193	5
L 1595 19+00E	.1	32410	29	6	173	.5	3	5210	.1	20	85	51630	940	19	11010	803	1	140	81	1060	20	1	14	1	255	140.3	63	4	1	6	109	5
L 1595 20+00E	.3	21690	21	5	70	.3	3	3380	.1	15	71	33950	820	16	10010	614	1	120	50	800	15	1	11	1	276	99.1	53	3	1	5	85	5
L 1595 21+00E	.5	21240	21	4	89	.4	3	5360	.1	19	131	38160	750	15	17120	883	1	150	90	830	14	1	14	1	472	103.8	58	4	1	6	103	5

TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

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.
S3041

INVOICE #: 17949
P.O.: 1S-0415-SG1

SAMPLE(S) OF Soils

T. Muraro
Project: TOLTJ Azimuth

REMARKS: Azimuth Geological Inc.

	Au ppb
18403	5
L1390 0+00	<5
L1390 0+50	250
L1390 1+00	<5
L1390 1+50	<5
L1390 2+00	25
L1390 2+50	<5
L1390 3+00	<5

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

Aug 19/91

SIGNED Bernie Quinn

CTA

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:TOLTJ
S3041

REPORT No. : M9604
Page No. : 1 of 1
File No. : AU26MB
Date : AUG-27-1991

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
18403		< 1	2.3	20	< 10	18	< 1	< 5	2.3	< 1	25	160	98	4.1	<0.01	1.4	810	< 2	0.01	74	550	3	20	12	< 10	51	1100	110	< 10	9	53	8
L1390	0+00	< 1	3.4	10	< 10	35	< 1	< 5	0.59	< 1	32	200	77	5.1	0.04	1.6	780	< 2	0.01	150	480	6	20	7	< 10	19	1300	140	< 10	5	62	4
L1390	00+50	< 1	2.0	< 5	< 10	46	< 1	< 5	0.61	< 1	19	180	57	4.2	<0.01	1.1	820	2	0.01	70	950	8	10	5	< 10	21	550	150	< 10	4	62	2
L1390	1+00	< 1	2.7	10	< 10	37	< 1	< 5	0.91	< 1	27	190	130	4.5	<0.01	1.4	770	< 2	0.01	120	720	7	10	7	< 10	24	570	140	< 10	7	64	4
L1390	1+50	< 1	2.1	15	< 10	39	< 1	5	0.78	< 1	20	200	59	4.2	0.04	1.1	850	2	0.01	73	1500	6	5	4	< 10	23	350	170	< 10	4	54	2
L1390	2+00	< 1	3.1	15	10	28	< 1	< 5	0.66	< 1	44	220	120	5.1	0.05	1.5	1100	< 2	0.02	150	590	3	20	10	< 10	16	1400	150	< 10	8	96	6
L1390	2+50	< 1	3.8	< 5	10	17	< 1	10	0.64	< 1	38	230	110	5.5	0.03	1.6	940	< 2	0.01	180	550	1	25	9	< 10	13	1900	140	< 10	10	74	6
L1390	3+00	< 1	2.7	15	10	78	< 1	< 5	0.66	< 1	22	180	120	4.3	<0.01	1.4	780	< 2	0.01	100	570	10	10	12	< 10	27	770	160	< 10	11	68	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 : _____

COMP: AZIMUTH GEOLOGICAL
PROJ: TUNJONI
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-0274-SJ1
DATE: 91/08/08
* 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
18859	.1	20900	1	1	344	.1	3	16180	.1	40	106	68960	2610	9	54990	1080	1	220	301	1080	3	1	58	1	1194	160.5	116	1	1	5	160	5
18860	.2	13730	9	1	252	.4	3	10160	.1	21	81	45520	1370	7	20550	1203	1	230	139	900	62	1	35	1	954	120.6	135	1	1	6	118	10
18884	.5	17200	1	1	214	.5	3	9260	.1	18	40	37220	1780	15	19840	797	1	150	110	1500	17	1	37	1	632	97.1	80	1	1	5	90	5

COMP: AZIMUTH GEOLOGICAL
PROJ: TUNJONY TOLTJ
ATTN: G.CROWE

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-0191-SJ2
DATE: 91/07/29
* 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
18862	.7	10330	5	7	132	.9	4	7230	.1	15	112	27340	1210	18	7250	511	5	250	5	1190	41	1	36	2	599	63.7	80	2	1	1	4	10
18863	.4	7150	2	5	65	.5	3	7050	.1	7	29	18220	670	10	4820	361	1	120	3	1270	21	1	29	1	650	56.5	58	1	1	1	7	5
18864	.4	11930	68	5	73	.6	3	6770	.1	13	65	25920	670	19	9500	612	1	110	28	1040	28	1	19	1	557	74.5	81	1	1	2	35	10
18865	.8	22400	187	8	189	.9	5	7850	.1	30	177	52800	1710	32	21290	1415	4	160	65	1250	25	3	18	1	1042	130.4	149	1	1	3	47	5
18867	.9	21290	22	4	34	1.0	3	15240	.1	24	75	36610	490	42	30490	692	1	50	108	850	13	1	33	1	660	93.8	72	1	2	10	245	5
18868	.6	23670	45	5	71	1.0	4	6910	.1	36	143	51460	470	31	31690	1181	5	50	166	980	11	1	22	1	598	113.0	165	1	1	11	285	5
18869	.4	21610	21	3	37	.9	4	8770	.1	21	91	35290	470	25	24590	634	1	70	79	860	7	1	27	1	813	104.8	85	1	2	7	165	5
18870	.3	25650	1	3	49	1.1	4	8770	.1	30	107	44510	630	33	37060	866	1	50	97	790	1	1	17	1	1039	116.4	69	1	2	8	222	5
18871	.9	13170	7908	10	18	.4	20	52690	.1	178	78	33220	530	10	3000	765	5	1070	38	1150	33	10	56	1	547	28.1	67	2	1	2	27	5

Appendix E

ANALYTICAL PROCEDURES

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
LABORATORIES

Division of Assayers Corp. Ltd.

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

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

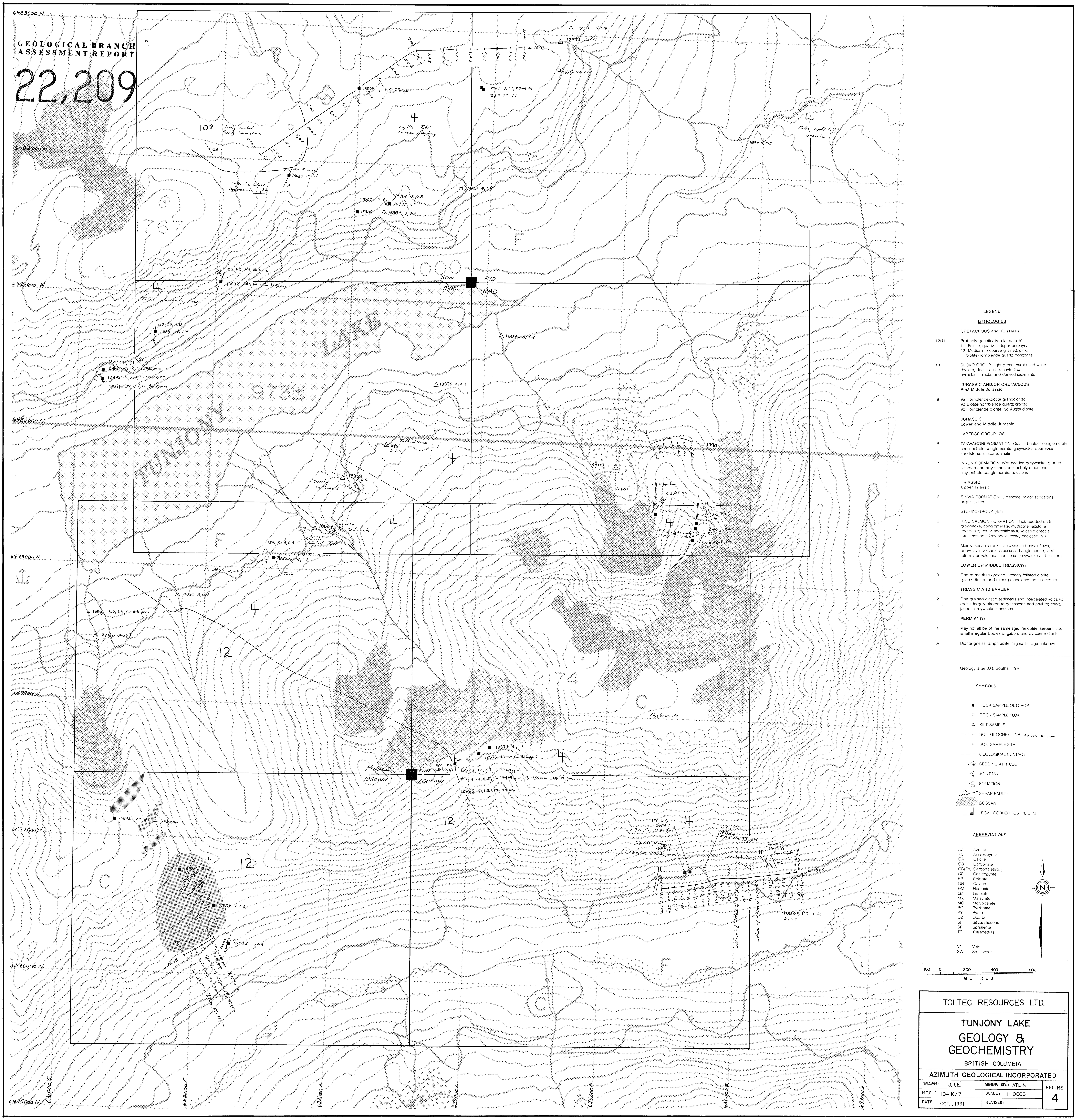
After drying the samples at 95 C, soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by a jaw crusher and pulverized on a ring mill pulverizer.

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.

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


GEOLOGICAL BRANCH
ASSESSMENT REPORT
22,209
TUNJONY LAKE
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 Au ppb Ag ppm
SOIL SAMPLE SITE
GEOLOGICAL CONTACT
BEDDING ATTITUDE
JOINTING
FOLIATION
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
100 0 200 400 800
METRES
TOLTEC RESOURCES LTD.
TUNJONY LAKE
GEOLOGY &
GEOCHEMISTRY
BRITISH COLUMBIA
AZIMUTH GEOLOGICAL INCORPORATED
DRAWN: J.J.E.
MINING DIV.: ATLIN
N.T.S.: 104 K/7
SCALE: 1:10000
DATE: OCT., 1991
REVISED:
FIGURE 4