GEOLOGICAL AND GEOCHEMICAL REPORT

on the

PIPER 1&2 AND DASH 1&2 CLAIMS

THE PIPER DASH PROPERTY

Trapper Lake Area, British Columbia

Atlin Mining Division

N.T.S. 104K/7&10

Latitude: 58°30'N; Longitude: 132°36.6'W

for

Goodgold 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.
Jim Lehtinen, B.Sc.

February 1992

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SUMMARY

The Piper Dash property comprises four contiguous claims totalling 80 units and is located in northwestern British Columbia, approximately 105 km northwest of Telegraph Creek and 38 km north-northwest of the Golden Bear gold mine. Access is by float plane and/or helicopter.

Claims which largely cover low relief swampy ground, and overlie Upper Triassic Stuhini Group volcanics which are disconformably overlain by Lower or Middle Jurassic Takwahoni Formation sediments. These rocks are folded into a syncline with the axis bisecting the property northwest to southeast.

Current work consisited of reconnaissance soil sampling (78 samples over 6.8 km), prospecting and rock sampling (2 samples) and silt sampling (6 samples). Four soil and two silt samples located a 400m wide zone of arsenic and zinc anomalies. Source of the anomalies is unkown owing to the lack of outcrop in the area. Single station soil anomalies from the current program indicate numerous arsenic anomalies and weak zinc and copper anomalies in the areas surveyed.

Further work should consist of detailed soil sampling, prospecting and mapping on the west side of the Dash 1 claim to evaluate the anomalies encountered.

INTRODUCTION

At the request of Prime Equities Inc. (on behalf of Goodgold Resources Ltd.) Azimuth Geological Inc. was contracted to evaluate the Piper Dash property using geological and geochemical techniques. The property is located in northwestern British Columbia, 38 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.

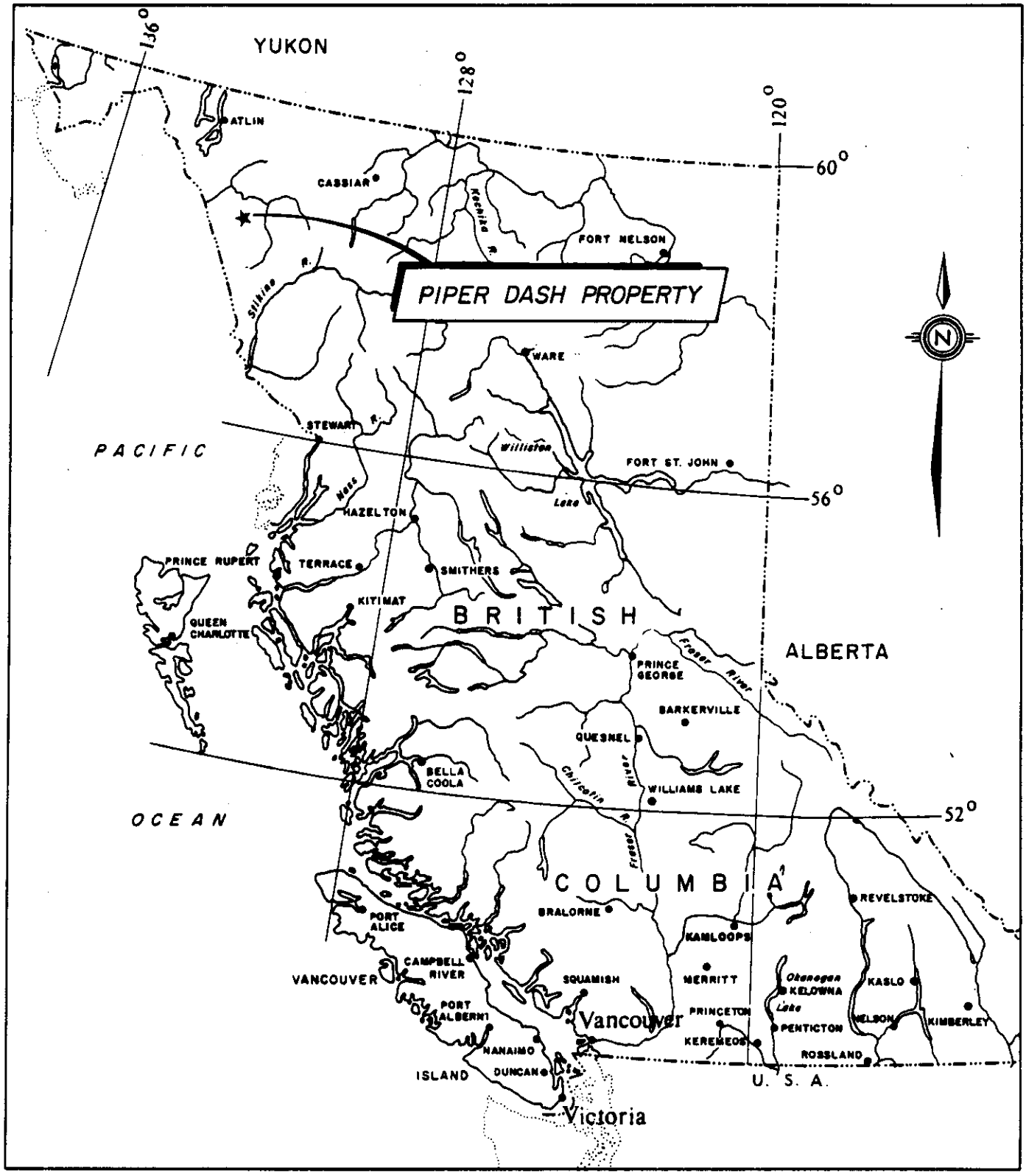
LOCATION, ACCESS and PHYSIOGRAPHY

The Piper Dash 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&10). Closest supply towns are Telegraph Creek, 105 km to the southeast; Dease Lake, 150 km to the east; and Juneau, Alaska, 105 km to the west-southwest.

Access to the claim area is possible by float-equipped aircraft to Little Trapper Lake (located on the property), Trapper Lake (3 km west) or to Tatsamenie Lake (18 km southeast). Airstrips for conventional aircraft are located at Tatsamenie Lake, Muddy Lake (38 km southeast) and Tulsequah (57 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. The property is dominated by low-relief, poorly drained swampy ground surrounding the northern portion of Little Trapper Lake and Kowatua Creek. Elevations rise on the extreme west side of the property to a maximum of 1240m and range to a low of 720m on the east side of the Piper claims.

Vegetation on the property varies from alder, willow, swamp spruce, pine and fir as well as typical sub-alpine vegetation on the west.



TO ACCOMPANY REPORT NO. _____ BY _____

AZIMUTH GEOLOGICAL INC.

GOODGOLD RESOURCES LTD.

PIPER DASH

LOCATION MAP

Date	Scale	N.T.S.	Figure No.
OCT., 1991	1:7 500 000	104 K / 7, 10	1

CLAIM STATUS

The Piper Dash 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 Goodgold 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]
Piper 1	4563	20	April 19, 1994
Piper 2	4564	20	April 19, 1994
Dash 1	4565	20	April 20, 1994
Dash 2	4566	20	April 20, 1994

1: Assuming acceptance of current submission.

0 1 2 3 km

N

AZIMUTH GEOLOGICAL INC.		
GOODGOLD RESOURCES LTD. PIPER DASH		
CLAIM MAP		
N.T.S. 104 K/7, 10	Data G. Crowe	Date Oct., 1991
Scale 1:50000	Drawn	FIGURE 2

HISTORY

Although no record remains, it is likely that the general area of the Piper Dash property was prospected in the 1920's and 1930's following discovery of the Tulsequah Chief and Polaris Taku deposits, 63 km to the northwest.

During 1988 the Federal and Provincial governments conducted a regional geochemical silt survey which covered mapsheet 104K. The three samples taken from creeks draining the property returned low values in all elements. Regional geochemical survey sample locations are shown on Figure 4.

The property was staked in 1991 as the Piper 1&2 and Dash 1&2 claims and was acquired by Goodgold Resources Ltd.

REGIONAL GEOLOGY

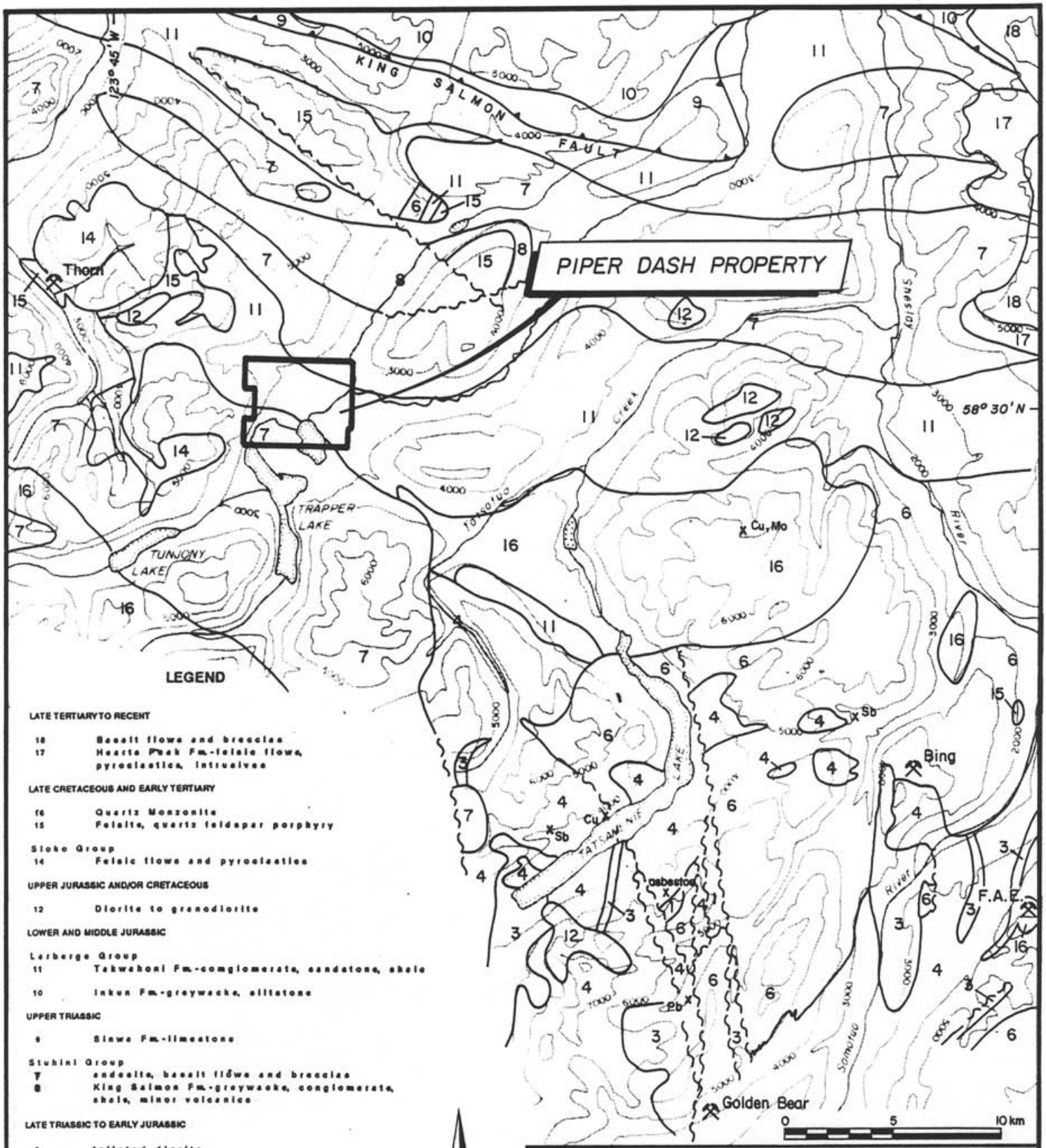
The Tulsequah map-area was most recently mapped by Souther (1971). Regional geology in the Tatsamenie Lake-Trapper Lake area is shown in Figure 3. Oldest rocks in the area are strongly deformed and regionally metamorphosed Permian and Lower Triassic metasediments and metavolcanics (Units 3 and 4) of 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, the Piper Dash property overlies the axis of the syncline described above with Takwahoni sediments (forming the core of the syncline) underlain by Stuhini Group volcanics.

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 Hoarta Creek 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

6 Stuhini Fm.-limestone

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

LATE TRIASSIC TO EARLY JURASSIC

4 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

GOODGOLD RESOURCES LTD.
PIPER DASH

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 38 km southeast of Piper Dash (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 10 km northwest of Piper Dash (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 June 30 and July 28, 1991 by geologists L. Lyons and W. Taylor with assistance from other personnel. Field work was supported from common camp facilities at Trapper Lake (4 km southwest of Piper Dash) where a contract Bell 206B helicopter supplied by Trans North Air was available for claim access.

Field work consisted of soil sampling at 100m or 25m station intervals (6.8 km of line; 78 samples), 1:5,000 scale mapping and prospecting. During mapping, samples of altered and mineralized outcrop were taken (2 samples). Silt samples were collected where conditions were suitable (6 samples).

PROPERTY GEOLOGY

Current mapping at 1:5,000 scale (Figure 4) was completed by Lyons and Taylor in June and July 1991 using airphotos and topography for control. Mapping generally corroborated regional mapping by Souther (1971). Mapping by Souther indicates a syncline with axis bisecting the property from northwest to southeast. On the southwest corner of the Dash 1 claim, Stuhini Group volcanic flows and volcaniclastic rocks and Takwahoni sediments were mapped during the course of the 1991 program. A fault(?)/contact zone in the southwest corner of the Dash 1 claim strikes 150° and appears to be the northern extension of a fault zone located on the northeast side of Trapper Lake. This fault appears in carbonate altered and brecciated sediments and disrupts the bedding of the sediments locally. Insufficient structural information did not support or disprove the existence of the regional syncline. Two major map units were encountered during the course of mapping and are described below. Bedrock mapping was hindered over large areas by the low-lying swampy ground covering much of the property.

Lithologies

4. Volcanic/Volcaniclastic

Volcanic and volcaniclastic rocks are exposed over a 1.2 square kilometre area in the south section of the Dash 1 claim. The volcanic flows are relatively unaltered, featureless feldspar porphyry and volcaniclastic rocks varying from ash through lapilli tuff to agglomerate. This

volcanic package of rocks has been interpreted by Souther(1971) to be Upper Triassic Stuhini Group.

7. Wacke/Siltstone/Conglomerate:

Rocks interpreted to be Lower and Middle Jurassic Takwahoni Formation sediments are exposed on the Dash 1&2 claims in two areas of limited exposure. Rock types include wacke, siltstone, conglomerate and black, bedded, cherty material. A large exposure of sedimentary rocks located on Dash 1 is carbonate altered, commonly brecciated and rusty weathering. Alteration, brecciation and minor faults may be related to the fault(?) contact defined immediately to the south along the northeast shore of Trapper Lake. A single outcrop of conglomerate on central Dash 2 was enconterd during soil sampling. Well bedded siltstone/sandstone was encountered in Kowatua Creek to the north on Dash 2.

MINERALIZATION AND ROCK GEOCHEMISTRY

Two rock samples were taken of mineralized or altered outcrop encountered while prospecting or soil sampling. Sample 18899 was taken from a 0.5m, dark matrix, siliceous and carbonate altered breccia zone in carbonate altered sediments near the fault(?)/contact between the sedimentary and volcanic rocks. The breccia zone is very weakly anomalous in silver and arsenic at 0.8ppm and 113ppm and is oriented 000/45°E.

The second sample(No. 18900), located 80m north and uphill from soil Line 1+00E, station 7+00N is a multidirectional fracture zone with minor malachite and azurite hosted in altered sediments. This sample is anomalous in copper(3020ppm), arsenic(419ppm) and weakly anomalous in zinc(496ppm), lead(166ppm) and silver(1.6ppm).

SOIL AND SILT GEOCHEMISTRY

The soil sampling program was restricted to the west side of the property in the area between Little Trapper Lake and Trapper Lake and extending north-northeast along the east flank of the slopes bounding the west side of the Dash 1&2 claims. All soil samples were taken at 100m spacing with the exception of line 1+00E, from 6+00N to 7+75N which was sampled at 25m spacing below an area of weak mineralization and alteration.

Reconnaissance soil lines were sampled at 100m intervals by sampling the "B" horizon where possible. A total of 78 samples were taken from pits excavated to 35cm in depth, placed in Kraft bags and shipped to Min-En Labs in Vancouver for 31 element ICP and geochemical gold analysis. Analytical techniques are included in Appendix E.

A total of 6 silt samples were collected, where conditions were suitable, during the course of the soil sampling, prospecting and mapping programs. Samples were placed in Kraft bags, shipped to Min-En Labs and analysed in the same fashion as the soil samples. Analytical techniques are included in Appendix E.

Gold and silver geochemical results for all soil and silt samples are shown on Figure 4 along with anomalous copper, lead, zinc and arsenic values. Analytical results for all soil and silt samples are included in Appendix D.

A multiple station soil and silt anomaly along Line 880 from station 6+00N to 10+00N is moderate to strongly anomalous in zinc and arsenic. Values from soils for arsenic range from 128ppm to 530ppm and for zinc from 127 to 656ppm. Coincident with these soil

anomalies are silt anomalies at stations 6+00N and 7+50N. Silt sample at Line 880, station 6+00N returned values of 253ppm zinc and 133ppm arsenic. The highest values obtained on the property is from silt sample Line 880, 7+50N which returned 2988ppm zinc, 1366ppm arsenic, 394ppm lead, 33.3ppm cadmium and 1.5ppm silver. Two additional soil anomalies occur along Line 880 at stations 2+00N and 3+00N where 97ppm and 117ppm arsenic was returned. In addition 224ppm zinc was returned from silt location Line 880, 1+84N. No follow-up of this soil line was conducted and source of the anomalies is unknown.

An area of copper-arsenic soil anomalies was encounterd below known copper mineralization centred on rock sample 18900, a breccia zone with malachite and azurite in altered sediments. Line 1+00 was sampled at 25m intervals from 6+00N to 7+75N in an effort to follow-up mineralization encountered in outcrop. Station 6+25N returned a weak gold-silver anomaly with 60ppb gold, 1.3ppm silver, 307ppm copper and 190ppm arsenic. Station 6+00N was moderately anomalous at 190ppm zinc and 232ppm copper. Geochemical values obtained from soil geochemistry appear to indicate the source of the anomalies is the breccia zones encountered in the altered sediments upslope of the soil line.

Single station arsenic $\pm$ zinc $\pm$ copper anomalies occur along Lines JM13, WT and LL 13. Values range up to a maximum 205ppm arsenic, 371ppm zinc and 233ppm copper. A single gold anomaly of 95ppb occurs at Line LL 13, station 5+00S. No source for any of the anomalies was determined.

CONCLUSIONS

The Piper Dash property is largely covered by low relief swampy ground with outcrop restricted to the west side. Regional mapping by Souther(1971) indicates a syncline of Upper Triassic Stuhini Group volcanic rocks enclosing a core of Takwahoni Formation sediments. The axis of the syncline bisects the property from northwest to southeast. Mapping and prospecting suggests that the contact between the volcanic and sediments may be fault controlled. Arsenic, zinc and copper mineralization occurs in fractured, brecciated, carbonate altered sediments near the inferred faulted(?) contact which appears to strike south-southeast on the southwest side of Dash 1.

Widely spaced, reconnaissance soil sampling located a zone of anomalous arsenic-zinc values which was not followed up. Owing to the wide spacing and multiple soil anomalies along the soil line follow up should be accomplished by detailed soil sampling, prospecting and geological mapping.

Single station arsenic, zinc, copper and a weak gold anomaly are also worthy of follow up owing to the broad spacing of sample locations.

REFERENCES

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Woodcock, J.R., 1987, Drilling Report on the Thorn Property, B.C.D.M. Assessment Report 15,897.

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.

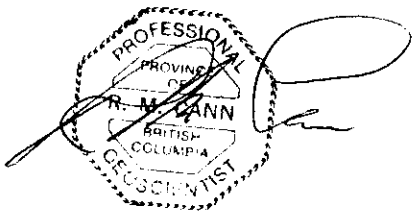
4) I have practised my profession continuously since 1979.

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 14th 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.

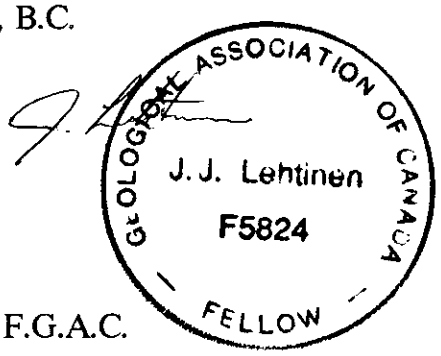
2) I hold a degree of Bachelor of Science in Geology from the University of British Columbia, 1984.

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.

Dated on this 14th day of February, 1992 at Vancouver, B.C.



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

Appendix A

COSTS INCURRED

COSTS INCURRED - JUNE 30 TO JULY 28

Mobilization		$ 1,466.41
Supervision - R. M. Cann/G. Crowe	1.0 @ $400/day	400.00
Field superv. - L. Haynes/J. Lehtinen	1.0 @ $375/day	375.00
Sr. geol. - L. Lyons	3.0 @ $350/day	1,050.00
Sr. geol. - W. Taylor	2.0 @ $350/day	700.00
Ass't - J. McGregor	2.0 @ $225/day	450.00
Ass't - H. Culbert	2.0 @ $225/day	450.00
Food and accom. at Trapper Lk. camp	11.0 @ $120/manday	1,320.00
Consumable supplies & equip. rental	11.0 @ $25/manday	275.00
Portable radio rentals		50.00
Helicopter (Trans North)	1.12@ $750/hr	840.00
Analytical		
Soils (Au+31 element ICP)	78 @ $12	936.00
Silts (Au+31 element ICP)	6 @ $12	72.00
Rocks (Au+31 element ICP)	2 @ $17	34.00
Sample shipment		140.00
Communications		993.00
Maps and Air photos		303.00
Camp Construction - Jempland (proportional share)		2,650.00
Report		
Drafting		500.00
Copying/Reproductions		550.00
Writing		2,500.00
TOTAL		**$ 16,054.41**

Appendix B

ROCK SAMPLE DESCRIPTIONS

ROCK DESCRIPTION SHEET PROPERTY:PIPER DASH (GGRDD) 9113

SAMPLE NO.	CLAIM	WIDTH metres	UTM northing	UTM easting	ELEVATION metres	DESCRIPTION
18899	DASH 1	GRAB 0.5m	6486060	637050		Breccia zone in carbonate altered sediments. Approx. 0.5m width 000/45E. Limonitic siliceous zone with dark matrix and spotty pyrite.
18900	DASH 1	GRAB	6486060	637050		Breccia zone in altered sediments(?). Malachite-azurite stain.

Appendix C

ROCK ANALYTICAL RESULTS

COMP: AZIMUTH GEOLOGICAL INC.
PROJ: PIPER DASH GGRDD
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-0270-RJ4
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
18899	.8	1700	113	13	217	.4	2	74720	.1	14	68	51000	900	1	39960	4365	1	150	1	240	37	27	66	1	12	38.1	110	1	1	1	45	2
18900	1.6	4820	419	10	35	.6	1	23540	1.9	21	3020	58560	2300	8	13880	2861	1	90	1	850	166	839	24	1	17	76.5	496	1	1	3	38	1

Appendix D

SOIL AND SILT ANALYTICAL RESULTS

COMP: AZIMUTH GEOLOGICAL
PROJ: PIPER DASH P.O. GGRDD
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-0352-SJ1
DATE: 91/08/12
* 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
13 L880 1+84N SILT	.2	5140	144	24	217	.1	2	10480	.1	25	118	64500	1230	10	5870	1315	1	60	7	670	65	17	25	1	134	105.6	224	1	1	1	11	5

COMP: AZIMUTH GEOLOGICAL
PROJ: PIPER DASH P.O. GGRDD
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-0352-SJ2
DATE: 91/08/12
* 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
LL 13 1+00S	2.1	17930	158	19	244	.3	2	4730	.1	21	81	54790	1780	18	6070	977	2	80	19	870	125	12	13	1	199	119.3	261	1	1	2	29	5
LL 13 2+00S	1.3	13560	102	12	477	.1	3	8260	.1	18	90	53190	1980	12	7510	904	1	140	15	750	69	7	25	1	515	138.5	167	1	1	3	37	5
LL 13 3+00S	.1	36780	21	11	66	.1	6	3960	.1	18	78	73640	970	25	10970	685	1	440	1	1060	21	1	8	1	1260	320.3	57	3	1	4	17	5
LL 13 4+00S	.9	14250	14	7	70	.1	6	4430	.1	13	46	50260	960	4	4030	796	1	110	1	1490	22	1	16	1	1424	203.5	61	1	1	4	34	5
LL 13 5+00S	1.1	14200	1	4	32	.1	3	4060	.1	3	14	10340	510	2	1350	116	1	460	1	260	11	1	16	1	551	66.8	19	3	1	1	10	95
LL 13 6+00S	.5	20700	4	5	123	.5	3	3420	.1	37	167	40560	620	8	2110	3288	1	500	10	2670	45	1	13	1	235	73.6	75	1	1	2	16	5
LL 13 7+00S	.3	17490	13	5	59	.3	2	4060	.1	11	37	40120	1100	17	5790	376	1	350	16	840	18	1	12	1	407	101.4	123	1	1	3	40	5
LL 13 8+00S	.3	24300	8	4	194	.4	2	4540	.1	15	65	43350	640	17	6210	909	1	430	16	770	23	1	16	1	520	127.1	80	2	1	4	63	5
LL 13 9+00S	.1	35080	20	7	474	.3	2	5420	.1	24	140	82640	1440	29	5900	1442	1	50	1	700	18	1	10	1	59	197.8	82	1	1	2	14	10
LL 13 10+00S	.1	15250	20	4	111	.3	1	4870	.1	14	67	48990	1210	18	5570	465	1	60	15	910	17	4	12	1	117	116.5	131	1	1	2	31	5
LL 13 11+00S	.7	13300	1	3	83	.1	2	5610	.1	8	27	24860	980	8	4030	210	1	100	9	400	11	1	17	1	594	91.8	47	1	1	2	25	5
LL 13 12+00S	1.1	17690	4	3	175	.1	5	10150	.1	10	32	28970	850	14	7710	475	1	150	19	430	16	1	34	1	1061	96.1	85	3	1	4	50	5
LL 13 13+00S	.1	29550	2	6	322	.1	6	8750	.1	39	127	80200	740	32	5740	11171	1	690	14	2540	41	1	21	1	466	196.9	211	1	1	3	24	5
LL 13 14+00S	.9	23000	10	3	113	.1	5	5530	.1	10	40	27060	790	9	8300	286	1	140	26	290	21	1	21	1	904	111.5	45	4	1	4	47	5
WT 13 1+00S	1.0	14080	6	2	91	.1	3	4330	.1	5	20	15400	550	3	2910	123	1	130	8	450	14	1	19	1	556	66.6	30	3	1	2	26	20
WT 13 2+00S	.3	19840	20	5	83	.1	4	5110	.1	17	25	56610	1290	17	6080	730	1	360	1	630	15	1	16	1	989	141.5	69	2	1	3	22	5
WT 13 3+00S	.8	14180	4	2	79	.1	3	4280	.1	6	25	28130	580	2	1860	258	1	490	2	390	16	1	16	1	707	106.0	38	2	1	2	22	5
WT 13 4+00S	.1	14870	1	4	107	.1	2	3850	.1	17	68	54510	1240	12	2540	862	1	530	1	810	16	1	10	1	360	151.6	68	1	1	2	15	5
WT 13 5+00S	.3	20280	13	7	168	.1	4	5540	.1	16	69	51650	1700	16	5990	990	1	570	14	1310	20	1	16	1	548	112.7	76	2	1	3	36	5
WT 13 6+00S	.1	12620	1	5	169	.1	1	5230	.1	15	58	58520	2380	9	1470	1059	1	310	1	1000	15	4	7	1	96	70.9	51	1	1	1	10	5
WT 13 7+00S	1.0	21930	12	2	157	.1	5	7180	.1	19	35	33750	730	20	18060	514	1	410	56	370	24	1	18	1	933	98.6	98	3	1	4	69	5
WT 13 9+00S	.1	19460	18	5	310	.1	3	8870	.1	28	115	62960	1700	22	4340	2779	1	500	1	840	35	1	14	1	87	152.3	141	1	1	2	14	5
13 SS MV1	.6	27660	17	2	112	.2	5	5460	.1	15	75	41750	630	13	9410	401	1	170	23	540	16	3	18	1	1117	116.6	59	3	1	3	41	5

COMP: AZIMUTH GEOLOGICAL INC.
PROJ: PIPER DASH GGRDD
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-0270-SJ1
DATE: 91/08/07
* 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
L880 23+50N	.1	11270	11	13	191	.8	1	7580	.1	16	75	41000	1200	20	5730	633	2	110	31	1090	21	1	30	2	66	70.2	148	1	1	2	25	5
L880 18+50N	.1	11110	8	11	263	.7	1	11080	.1	11	52	27400	1730	19	5440	798	2	520	47	980	13	1	57	1	105	46.3	123	1	1	1	22	5
L880 10+25N	.1	6510	32	7	222	.6	1	12310	.1	13	60	34260	1460	6	4100	464	3	410	57	980	23	1	42	1	26	46.5	186	1	1	1	20	5
L880 7+50N	1.5	5610	1366-	7	630	.3	1	9320	33.3	16	102	41840	880	5	3670	1679	4	350	98	790	394	22	33	1	62	45.6	2988-	1	1	1	29	5
L880 6+00N	.2	8440	133	5	174	.5	1	7080	.1	12	48	30180	670	15	5310	828	1	100	38	630	45	1	39	1	185	59.6	253	1	1	2	26	10

COMP: AZIMUTH GEOLOGICAL INC.
PROJ: PIPER DASH GGRDD
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-0270-SJ2+3
DATE: 91/08/07
* 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
L1+00E 7+75N	.5	19880	1	6	149	.3	3	10520	.1	23	120	45270	1250	18	17600	972	1	110	26	710	17	1	21	1	981	109.3	70	1	1	4	69	10
L1+00E 7+50N	.1	10040	2	4	186	.3	1	24260	.1	33	168	71250	2640	9	13230	1829	1	60	1	820	14	10	51	1	135	173.5	90	1	1	3	26	5
L1+00E 7+25N	.1	10830	2	2	154	.4	1	21330	.1	29	158	65010	3300	11	10270	1721	1	60	1	1190	15	7	36	1	43	160.1	86	1	1	3	35	5
L1+00E 7+00N	.1	6800	18	3	151	.2	1	18810	.1	26	189	60290	2950	5	5490	1964	1	380	1	1000	20	19	53	1	89	108.7	92	1	1	2	11	5
L1+00E 6+75N	.1	11100	23	4	270	.4	1	19620	.1	29	188	60600	3830	10	6180	1802	1	90	5	1210	24	19	38	1	60	124.9	103	1	1	2	25	10
L1+00E 6+50N	.1	10330	34	3	218	.2	1	15960	.1	34	198	70000	3240	11	4770	2192	1	70	1	1650	28	15	38	1	30	121.6	119	1	1	2	24	10
L1+00E 6+25N	1.3	7760	190	1	199	.1	1	13850	.1	95	307	76390	1850	22	4070	2200	1	50	1	1730	104	28	38	1	16	54.7	80	1	1	1	8	60
L1+00E 6+00N	.2	8340	92	1	131	.2	1	19150	.1	57	232	75990	2230	21	5710	2578	1	50	1	1930	56	20	37	1	21	63.9	85	1	1	1	8	30
L1+00E 5+00N	.1	5750	1	1	300	.3	1	13160	.1	30	139	39510	2040	1	2290	2753	1	380	4	1770	29	6	28	1	96	101.1	59	1	1	2	14	5
L1+00E 4+00N	.1	11660	1	1	495	.5	1	13100	.1	24	220	56780	3070	5	4310	1826	1	460	8	2330	13	12	29	1	102	172.0	96	1	1	3	22	5
L1+00E 3+00N	.1	6440	7	1	82	.3	1	4910	.1	9	130	40140	2160	1	1010	202	1	430	4	1750	6	8	14	1	92	135.5	69	1	1	2	30	5
L1+00E 2+00N	.1	8730	3	1	176	.2	1	7200	.1	14	147	37100	1610	2	2550	475	1	380	12	980	9	3	27	1	107	119.9	41	1	1	2	27	5
L1+00E 1+00N	.1	34130	1	1	528	.7	2	10330	.1	26	189	69360	4040	24	18940	1348	1	380	26	1780	7	1	32	1	463	217.0	115	1	1	4	66	5
L1+00E 0+00	.1	12910	1	1	276	.1	1	5350	.1	19	140	71370	2770	5	2660	1646	1	60	1	2660	11	10	17	1	151	244.1	125	1	1	4	41	10
L880 25+00N	.1	16090	19	1	163	.7	2	7550	.1	13	73	34620	1390	16	6340	576	1	190	24	1020	13	1	36	1	379	81.1	91	2	1	2	29	5
L880 24+00N	.6	24660	14	1	342	.6	3	12500	.1	9	71	28540	1090	30	6390	513	1	560	21	1830	16	1	71	1	344	83.9	126	3	1	3	35	5
L880 23+00N	.1	17200	14	1	283	.2	2	5480	.1	12	46	38530	1360	10	3470	572	1	400	8	960	18	1	26	1	516	124.3	125	4	1	3	28	5
L880 22+00N	.1	18800	4	1	116	.1	3	2490	.1	11	41	47490	1380	6	3190	1753	1	500	4	2590	19	1	16	1	680	143.5	81	1	1	3	34	5
L880 21+00N	.1	23180	17	1	240	.9	3	12420	.1	14	79	37530	1370	36	7250	1923	1	520	38	2350	20	1	72	1	325	96.1	195	1	1	3	51	5
L880 20+00N	.1	28830	13	1	203	.5	2	4040	.1	14	56	54680	1950	18	7310	737	1	580	18	2960	18	1	22	1	390	138.0	117	4	1	3	49	5
L880 19+00N	.1	37880	2	7	277	1.2	2	4090	.1	16	50	42210	7930	31	9580	523	1	600	4	640	15	1	15	1	177	81.9	86	4	1	2	31	5
L880 18+00N	.1	18220	22	1	267	.4	2	5080	.1	13	51	40210	2010	16	4960	1126	2	570	39	1110	21	1	20	1	348	108.2	160	2	1	3	44	10
L880 17+00N	.4	10380	29	1	85	.1	2	1560	.1	8	59	38270	1440	1	1170	192	1	990	14	3120	21	1	18	1	475	104.8	80	3	1	2	42	5
L880 16+00N	.1	15200	26	1	245	.3	1	3670	.1	11	84	40960	2120	2	2140	532	1	810	30	5500	19	1	33	1	307	93.1	126	1	1	3	55	5
L880 15+00N	.1	25880	47	1	190	.2	4	5490	.1	17	50	47790	1590	31	5720	890	1	670	59	850	41	1	29	1	694	150.7	276	2	1	4	57	20
L880 14+00N	.1	25750	45	1	218	.1	2	2090	.1	16	48	57970	2080	16	6230	1225	1	690	27	2590	31	1	22	1	357	161.0	168	3	1	5	69	10
L880 13+00N	.5	7720	9	1	212	.2	1	2540	.1	4	48	15090	1070	1	650	75	1	2100	25	1940	16	1	21	1	167	28.6	46	1	1	1	27	5
L880 12+00N	.8	17540	55	1	119	.2	2	3820	.1	11	51	41400	1450	5	3720	872	1	740	18	4030	35	1	24	1	570	110.7	104	2	1	3	45	5
L880 11+00N	.1	12930	52	1	143	.4	1	4700	.1	13	61	42930	2730	4	3250	451	4	520	41	1580	40	1	18	1	126	87.9	198	1	1	2	35	30
L880 10+00N	.1	7470	128	1	227	.2	1	2710	.1	16	68	41620	1510	1	850	395	1	840	138	1730	16	2	14	1	69	49.6	127	1	1	2	42	5
L880 09+00N	.1	9230	530	21	209	.6	1	2030	.1	19	73	47900	1730	4	950	254	1	1020	155	1070	60	5	9	1	85	75.6	645	— 1	1	2	41	5
L880 08+00N	.1	17620	265	13	256	.7	2	1590	.1	13	53	46370	2090	11	2770	899	6	1790	53	1470	44	1	7	1	104	114.1	656	— 1	1	3	55	10
L880 07+00N	.1	23030	46	16	365	.8	1	2300	.1	25	58	50420	3460	14	4420	2093	1	1150	123	1890	27	1	11	1	75	99.6	268	1	1	4	66	5
L880 05+00N	.6	13040	19	7	267	.5	1	6150	.1	10	83	32680	2090	2	1210	789	1	1770	3	710	18	1	18	1	21	79.9	75	1	1	1	16	5
L880 04+00N	1.3	9380	17	5	334	.5	1	18250	.3	6	62	18090	1500	3	2490	338	1	1530	9	890	22	1	56	1	12	34.6	68	1	1	1	12	20
L880 03+00N	.7	14910	117	7	236	.5	1	3330	2.2	16	72	52180	2590	11	1880	769	1	1460	4	370	42	1	13	1	51	119.5	198	1	1	2	20	10
L880 02+00N	1.4	8340	97	8	236	.6	1	5110	5.3	13	104	42880	2600	3	1270	806	1	2320	9	2000	96	10	21	1	53	77.1	173	1	1	1	14	5
L880 01+00N	.1	12720	41	8	119	.3	1	3200	.1	13	78	54250	2930	5	1460	265	1	110	1	1160	16	6	10	1	61	133.1	137	1	1	1	12	5
L880 00+00	.3	16440	13	10	278	.6	1	13760	.1	27	192	59250	3170	12	7010	1984	1	2010	1	1310	42	9	31	1	213	154.1	149	1	1	4	33	10

COMP: AZIMUTH GEOLOGICAL
PROJ: TRAPPER LAKE
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-0267-SJ
DATE: 91/08/07
* 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
NO. 1																																
NO. 2																																
NO. 3																																
NO. 4																																
NO. 5																																
L "WT" 16+00N	.2	22970	26	6	67	.4	3	4890	.1	12	57	35300	1110	15	9530	349	1	190	37	820	14	1	18	1	600	113.2	77	3	1	4	63	5
L "WT" 15+00N	.1	10290	137	6	149	.1	2	10550	.1	15	101	95830	1430	2	1700	1217	1	50	1	2440	45	15	24	1	42	24.9	371	1	1	1	23	15
L "WT" 14+00N	.1	33780	7	5	158	.7	3	8650	.1	24	233	47510	1080	17	8380	3238	1	540	42	1660	21	1	24	1	460	114.2	174	1	1	4	65	10

AZIMUTH GEOLOGICAL INC.
PROJ: TRAPPER LAKE ADLTL
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-0305-SJ2+3
DATE: 91/08/10
• 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 JM 00+00S	.2	13090	90	12	178	.1	2	4670	.1	21	117	62550	1540	8	4420	741	1	110	3	850	43	10	11	1	212	145.2	148	1	1	2	23	5
L JM 01+00S	1.1	18440	34	7	255	.6	4	13770	.1	14	178	30450	2250	16	12820	496	1	350	25	1220	37	1	44	1	415	75.5	103	3	1	3	42	10
L JM 02+00S	.2	12960	205	6	92	.1	1	2660	.1	11	53	49050	1060	3	1170	300	7	60	1	970	35	5	9	1	146	148.8	131	1	1	2	18	5
L JM 03+00S	.2	19850	45	5	83	.1	5	4900	.1	16	62	59500	880	18	7710	607	1	130	16	3020	22	1	16	1	829	158.7	90	2	1	4	57	5
L JM 04+00S	.3	2840	19	5	263	.1	1	26540	.1	5	51	23900	210	3	2580	234	1	890	4	1210	14	1	118	1	67	10.7	20	1	1	1	11	5
L JM 05+00S	.2	19530	3	2	209	.3	3	5360	.1	6	13	21800	850	13	3050	202	1	70	5	310	11	1	15	1	141	63.1	59	2	1	1	13	10
L JM 06+00S	.2	14710	10	2	223	.3	4	4240	.1	11	15	27250	510	20	4230	669	1	110	9	820	18	1	14	1	401	80.0	112	4	1	2	24	5
L JM 07+00S	.3	19850	8	3	343	.4	5	6680	.1	13	15	28870	770	13	7460	450	1	170	22	1300	16	1	22	1	629	86.6	111	5	1	3	47	10
L JM 08+00S	.3	13210	21	2	146	.3	4	6550	.1	8	11	22140	800	8	4380	524	1	170	13	400	22	1	22	1	465	80.6	123	3	1	2	32	5
L JM 09+00S	.7	2260	9	5	118	.1	2	24080	.1	2	20	6680	230	2	1770	518	1	960	4	680	10	1	83	1	30	6.8	14	1	1	1	7	5
L JM 10+00S	.9	4490	12	4	160	.1	1	29650	5.7	3	55	6780	430	2	2810	320	1	950	12	1270	11	1	74	1	97	12.9	78	1	1	1	12	5
L JM 11+00S	.2	17050	20	3	129	.2	4	4070	.1	11	44	37540	1030	6	2590	781	1	420	2	1450	30	1	15	1	516	100.5	98	3	1	2	23	5
L JM 12+00S	.2	29180	193	5	137	.3	7	10680	.1	37	191	65770	1100	18	9780	1531	1	650	21	1230	27	1	24	1	1133	125.8	110	2	1	3	51	5

Appendix E

ANALYTICAL PROCEDURES

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:
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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.

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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 Au ppb Ag ppm
- SOIL SAMPLE SITE
- GEOLOGICAL CONTACT
- BEDDING ATTITUDE
- JOINTING
- FOLIATION
- SHEAR/FAULT
- GOSSAN
- LEGAL CORNER POST (L.C.P.)
- RGS 1098 - Regional Geochemical Survey Sample Location

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 0 100 200 400
METRES

GOODGOLD RESOURCES LIMITED

PIPER DASH

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:		