MAP NO.:
105 F 15
105 K 2/3

ASSESSMENT REPORT X
PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 092988
MINING DISTRICT: WHITEHORSE
TYPE OF WORK: TRENCHING, GEOCHEMISTRY

REPORT FILED UNDER: AZIMUTH GEOLOGICAL INCORPORATED

DATE PERFORMED: AUG 28 - SEPT 20, 1991 **DATE FILED:** NOVEMBER 4, 1991

LOCATION: **LAT.:** 62°03'N **AREA:** ROSS RIVER

LONG.: 132°50'W **VALUE $:**40,050

CLAIM NAME & NO.: GRAND 1-162
CANYON 1-96, 98, 100, 102, 104, 216, 218-222
293-356

WORK DONE BY: LARRY R. HAYNES; AZIMUTH GEOLOGICAL INCORPORATED

WORK DONE FOR: GOLDNEV RESOURCES INCORPORATED

DATE TO GOOD STANDING:	

REMARKS: TRENCHED ON FOUR ZONES ALONG STRIKE FROM THE MAIN ZONE OF GREW CREEK. 22 TRENCHES AND PITS WERE EXCAVATED. RESULTS WERE VERY DISSAPOINTING WITH MOST VALUES IN THE <5 TO 5 PPB RANGE WITH THE HIGHEST AT 70 PPB. (THE OPTION HAS BEEN DROPPED AND THE CLAIMS REVERTED BACK TO A. CARLOS.)

Indian and Northern Affairs Canada | Affaires indiennes et du Nord Canada

M.R. file no.

R.M.M.R. file no.

Date forwarded
5 NOV. 1991

TRANSMITTAL FORM

From ▶ Mining Recorder at:

To ▶ Regional Manager, Mineral Rights at Whitehorse, Y.T.

For action are:

- ☐ NEW APPLICATION FOR PLACER LEASE TO PROSPECT — Name
- ☐ RENEWAL APPLICATION PLACER LEASE TO PROSPECT — Name — Lease no.
- ☐ AFFIDAVIT OF EXPENDITURE ON PLACER LEASE — Name — Lease no.
- ☐ SECURITY DEPOSIT
- ☐ FINANCIAL ABILITY
- ☐ ASSIGNMENT OF PLACER LEASE NO. — From — To
- ☐ GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT. — Owner
- ☐ DIAMOND DRILL LOGS — Claims — Claim sheet no.
- ☑ QUARTZ ASSESSMENT REPORT — Claims: GRAND, Canyon Clms — Claim sheet no.: 105-K-2/3

For Numbering ONLY.

Type of report

Submitted by: AZIMUTH GEOLOGICAL Inc.

Cls. work performed on

$ req. for ren. application: 40,050.00

Signature

Date returned

REPLY ACTION

092988

Signature

802-37 (7-88)

ASSESSMENT REPORT

on the

GREW CREEK PROPERTY

Ross River Area, Yukon Territory

092988

Whitehorse Mining Division

N.T.S. 105 F 15, 105 K 2/3

Latitude: 62°03'N; Longitude: 132°50'W

for

Goldnev Resources Inc.
1100 - 808 W. Hastings St.
Vancouver, B.C.

by

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

Larry R. Haynes, B.Sc.

October 1991

GREW CREEK PROPERTY
Grand and Canyon Claims

1991 Trenching Program

Whitehorse Mining Division
N.T.S. 105-F-15, 105-K-2/3

SUMMARY

The Grew Creek property, located along the Robert Campbell Highway between Faro and Ross River, Y.T., hosts epithermal gold and silver mineralization.

The Grew Creek property is underlain by a series of Eocene volcanics preserved in a graben along the western margin of the Tintina Trench. The graben is bounded on the southwest by the Grew Creek Fault and on the northeast by the Danger Creek Fault. In 1987, structurally controlled gold-silver bearing stockwork mineralization (Main Zone) was discovered on the property. The mineralized stockwork occurs at the intersection of two faults within the Tintina Trench. Elsewhere on the property several other areas were identified to have potential gold mineralization.

During August and September 1991 a trenching program was carried out on four zones (Lapie River, Danger Creek, 400 and 410) to test for "Main Zone" style mineralization. Results of the 1991 trenching program did not locate additional mineralization. Geochemical soil and rock sampling of the trenches returned low to background gold values. Trenching on the 410 Zone exposed highly fractured, altered and gossanous felsic volcanics. The volcanic exposure shows similar features to the surface zone associated with the discovery of the Main Zone mineralization.

Assessment of the zones was inhibited by extensive till cover and/or permafrost. Additional exploration of the zones requires testing to greater depths in these areas. Overburden till sampling should be considered for the areas with extensive cover. Drilling of the 410 Zone is recommended to test for possible mineralization associated with the gossanous volcanics.

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APPENDICES

GREW CREEK PROPERTY

1991 Trenching Program

Whitehorse Mining Division
N.T.S. 105-F-5, 105-K-2/3

1. INTRODUCTION

The Grew Creek Property consists of 332 claims in a 31 km long belt centering approximately 25 km WNW of Ross River, Y.T. In 1987, a diamond drilling program carried out by Noranda Exploration lead to the discovery of significant gold mineralization in the "Main Zone". The "Main Zone" discovery resulted from follow-up work on one of several target areas identified previously by Hudson Bay's work carried out between 1983 and 1986.

During the period from August 28, 1991 to September 20, 1991 a backhoe trenching program was carried out on the property to investigate four other area of interest. Results of the backhoe program are discussed in the following report.

1.1 Location and Access

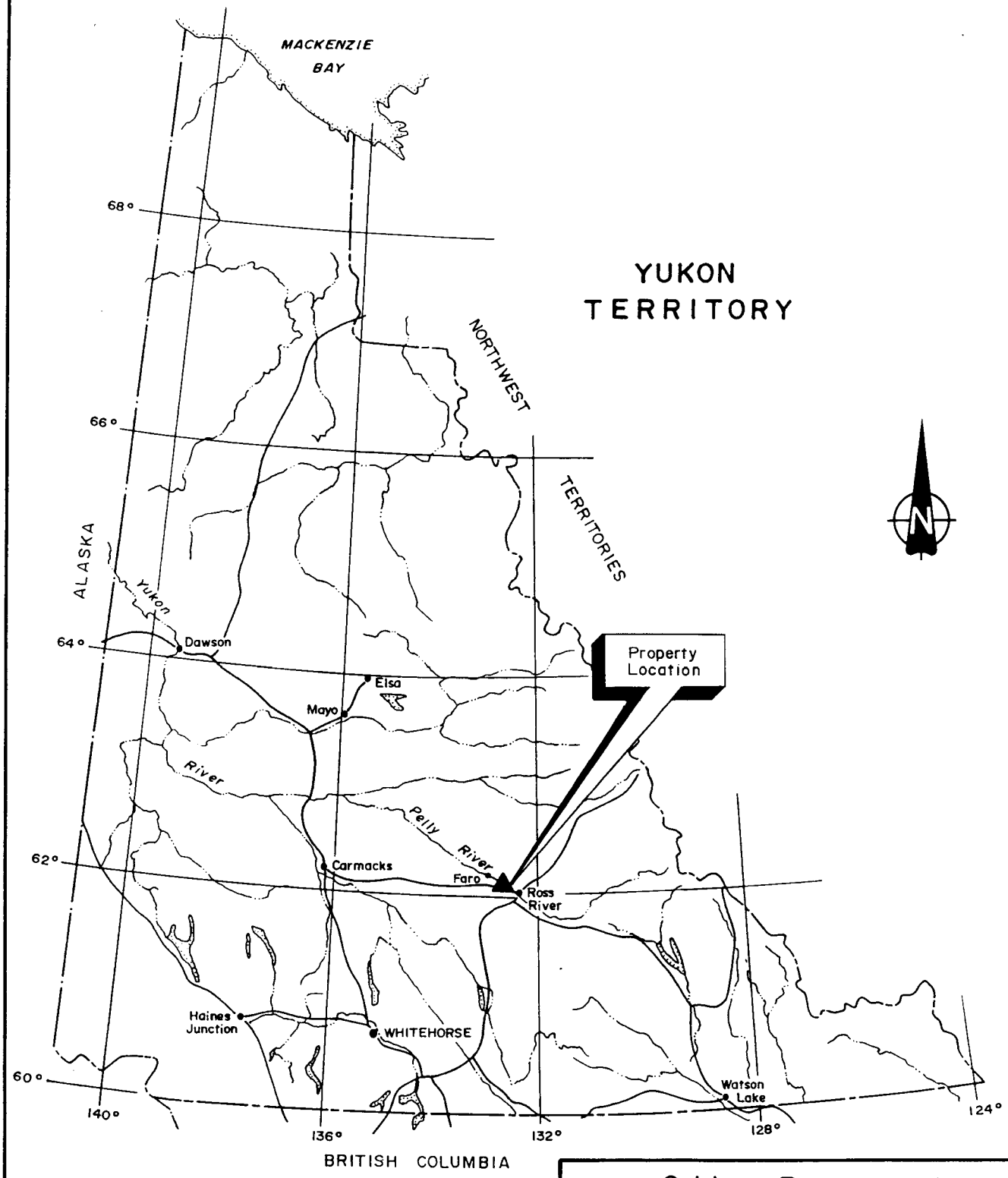
The Grew Creek Property is located in the Whitehorse Mining Division. The property forms a narrow 31 km long belt following the Robert Campbell Highway between Faro and Ross River, Y.T. (Fig. 1). The centre of the property lies approximately at latitude 62° 03'N, longitude 132° 50'W.

Access to the property is gained from the Robert Campbell and South Canol Highways. Several two and four-wheel-drive roads connect the areas of interest with the highways.

A powerline connecting Whitehorse and Ross River passes through the centre of the property, parallel to the highway.

1.2 Topography

The claims lie along the southwestern border of the Tintina Trench. The property topography is characterized by general low relief with scattered ridges and rolling glacial features - drumlins, moraines, kames and kettles.



Goldnev Resources Inc.

GREW CREEK PROPERTY

GENERAL LOCATION MAP

Azimuth Geological Incorporated	By: L.H.	Figure: 1
	Scale: AS SHOWN	
	Date: OCT., 1991	

1.3 Claims

The Grew Creek property consists of 332 claims as shown in Figure 2 and listed in Table I below.

TABLE I
Claim Status

Claim Numbers	Grant Numbers	No. of Claims
Canyon 1-40	YA075717-760	40
Canyon 41-96	YA081160-215	56
Canyon 98	YA081217	1
Canyon 100	YA081219	1
Canyon 102	YA081221	1
Canyon 104	YA081223	1
Canyon 216	YA081335	1
Canyon 218-222	YA081337-341	5
Canyon 293-320	YA085398-425	28
Canyon 321-356	YA092106-141	36
Grand 1-48	YA081848-895	48
Grand 49-162	YA085284-397	114

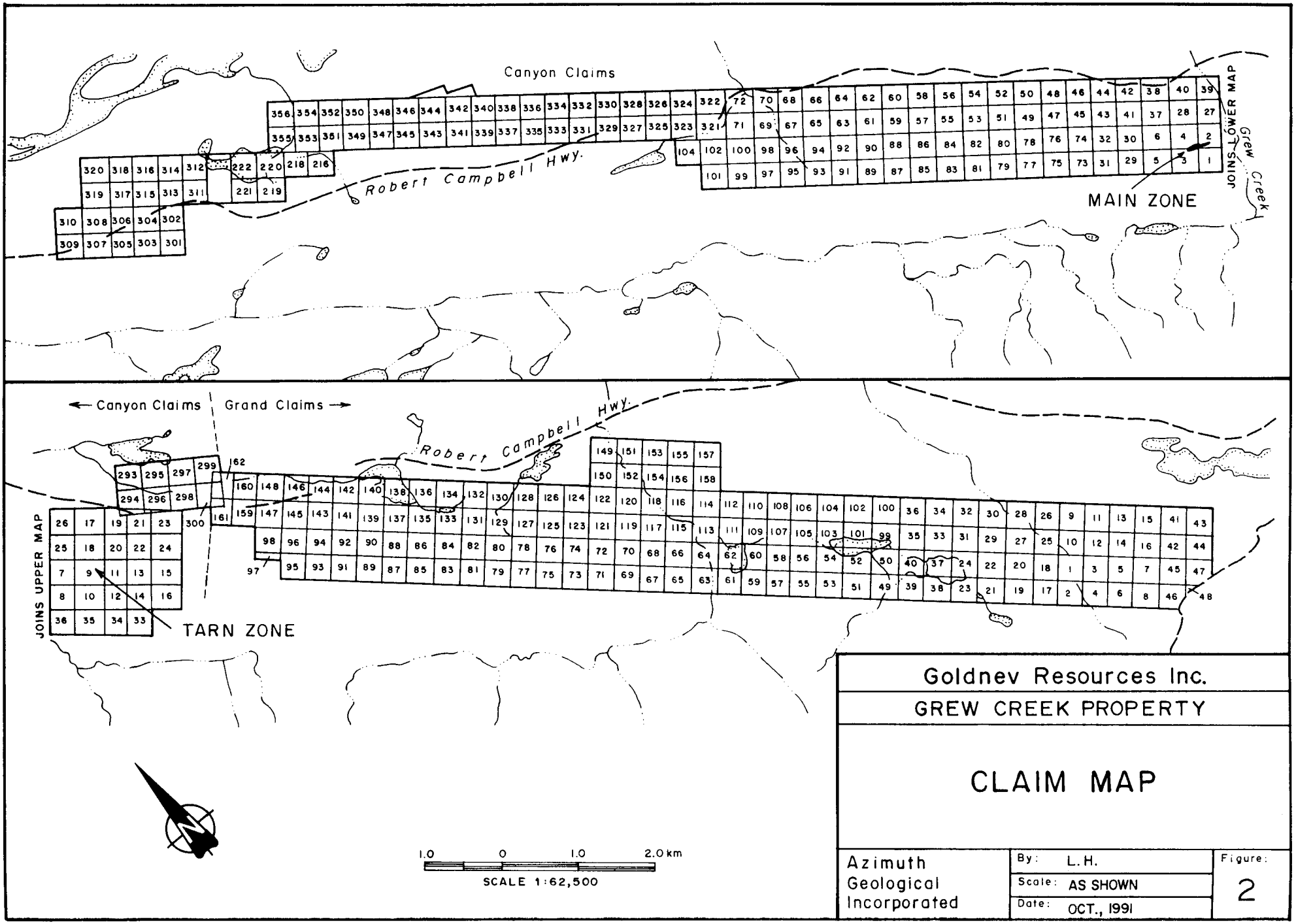
1.4 History

In the early 1980's placer gold was discovered in Grew Creek by local prospectors. Subsequent prospecting in 1983 by Al Carlos of Whitehorse located a mineralized outcrop above the "Main Zone" and resulted in the staking of the Canyon 1- 40 claims. Additional claims were staked between 1983 and 1985.

The property was optioned by Hudson Bay Exploration & Development in November, 1983. Until the option was dropped in January 1987, Hudson Bay explored the Main and Tarn Zones with geochemical and geophysical surveys, trenching, 1732m of diamond drilling in 13 holes and 1660m of rotary drilling.

In June, 1987 the property was optioned by Noranda Exploration Company Limited and explored in 1988 under a joint venture with Golden Nevada Resources Inc. and Hemlo Gold Mines. Noranda's work concentrated on definition drilling in the Main Zone and comprised 19,173.6m of diamond drilling and 1,651.1m of reverse circulation drilling (Duke, 1988). Exploration completed outside of the Main Zone identified other possible mineralized zones in the Lapie River and Danger Creek areas and near kilometres 395, 400 and 410 of the Robert Campbell Highway.

Additional diamond drilling was carried out by Goldnev Resources Inc. in 1989 (Seto & Crowe). Ten holes (1164.5m) were completed to confirm preliminary mineral reserves estimates by Orcan Inc. (Sanders, 1988).



Goldnev Resources Inc.

GREW CREEK PROPERTY

CLAIM MAP

Azimuth Geological Incorporated	By: L.H.	Figure: 2
	Scale: AS SHOWN	
	Date: OCT., 1991	

1.5 Geological Setting

The Grew Creek property overlies a steeply-dipping sequence of Eocene volcaniclastics preserved in a graben along the western margin of the Tintina Trench (Templeman-Kluit, 1972). To the southwest the graben is bounded by the Grew Creek Fault, which juxtaposes Tertiary rocks against Palaeozoic sediments. To the northeast the Danger Creek Fault forms the contact with Triassic metavolcanics and carbonates.

Mineralization in the Main Zone is hosted by a steeply north dipping sequence of rhyolite crystal lithic tuffs which grade eastward into rhyolite flows hosting the Tarn Zone. To the north, felsic rocks are in fault contact with fluvial sediment varying from mudstone to pebble conglomerate.

Mineralization in the Main Zone occurs in a quartz-adularia-carbonate stockwork which is 50 to 70m wide over a strike length of 550m. Individual veins are finely banded and up to 3cm thick. In cross-section the stockwork forms an upward-flaring wedge with a central axis dipping approximately 75^0 north. Ore minerals consist of electrum, silver selenides and trace chalcopyrite, galena and sphalerite (Duke, 1988). Alteration within the Main Zone consists of strong argillization, pervasive silicification and pyritization of host crystal lithic lapilli tuffs.

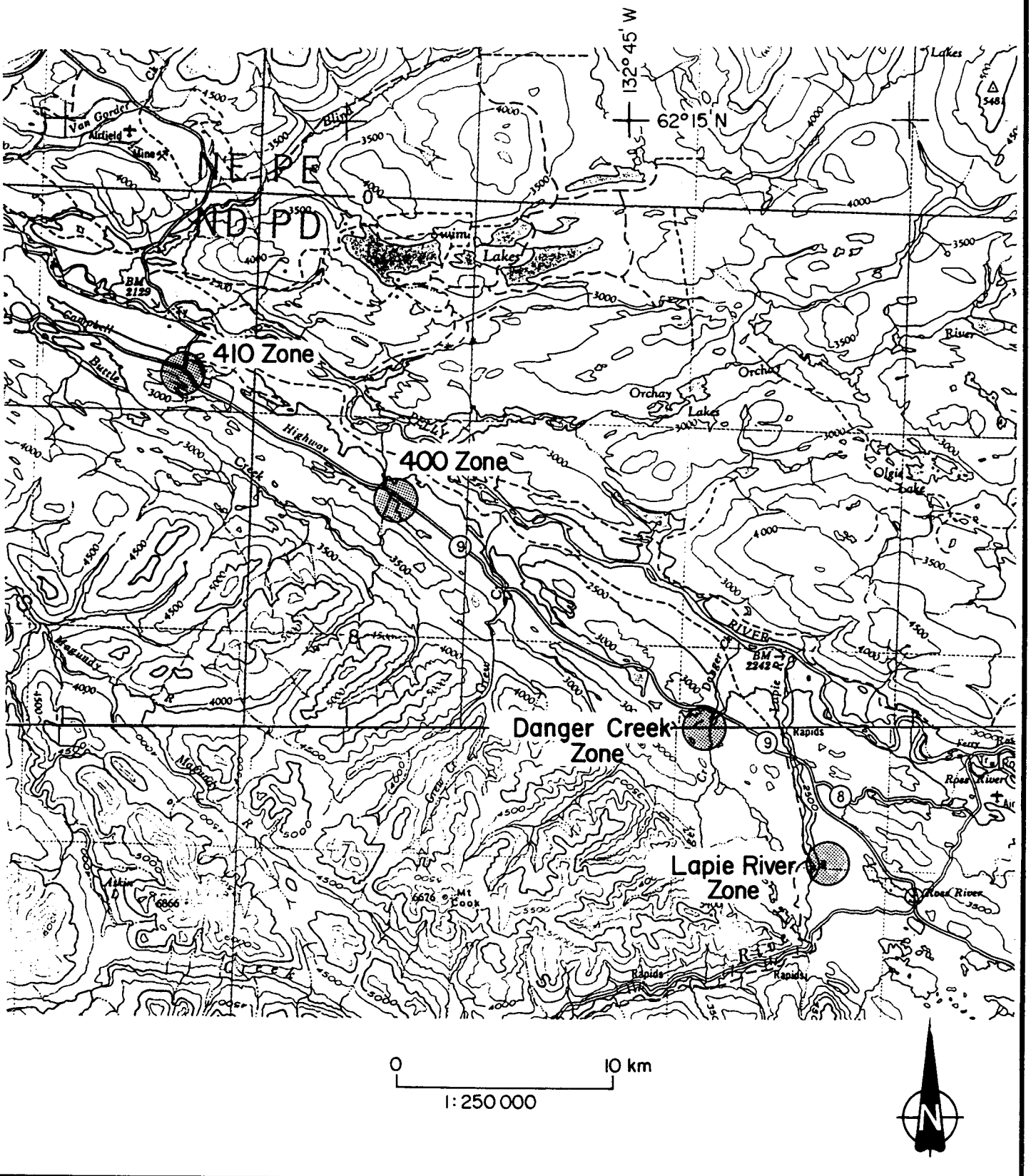
2.0 1991 TRENCHING PROGRAM

A backhoe trenching program was carried out on the Grew Creek property during the period from August 28 to September 20, 1991. Trenching was completed on four separate zones shown in Figure 3. The purpose of the trenching was to test these zones for mineralization similar to the Main Zone.

A total of 18 trenches and 4 pits were excavated using a 215 Cat Hoe. Trenching activities are summarized in Table II. Trenches were cut to 1 metre widths and average 2-3 metres in depth. Trenching depths were often restricted because of permafrost or extensive glacial till. Bedrock was exposed in seven of the trenches.

TABLE II
Summary of Trenching

Zone	Trench No.	Length(m)	No. of Samples Rock	Till
Lapie River	1	142	11	-
Lapie River	2	150	1	-
Lapie River	3	24	1	-
Lapie River	4	20	1	-
Danger Creek	1	62	-	1
Danger Creek	2	125	-	12
Danger Creek	3	190	5	5
Danger Creek	4	84	-	9
400	1	12	6	-
400	2	59	-	3
400	Pit 1	-	-	1
400	Pit 2	-	-	1
400	Pit 3	-	-	1
410	1	62	42	-
410	2	80	-	8
410	3	68	-	7
410	4	84	-	8
410	5	77	-	6
410	6	33	2	4
410	7	61	-	6
410	8	48	-	4
410	Pit 1	-	1	-



GOLDNEV RESOURCES INC. **Grew Creek Property**	
AREAS OF WORK	
AZIMUTH GEOLOGICAL INCORPORATED	Oct., 1991
FIGURE: 3	

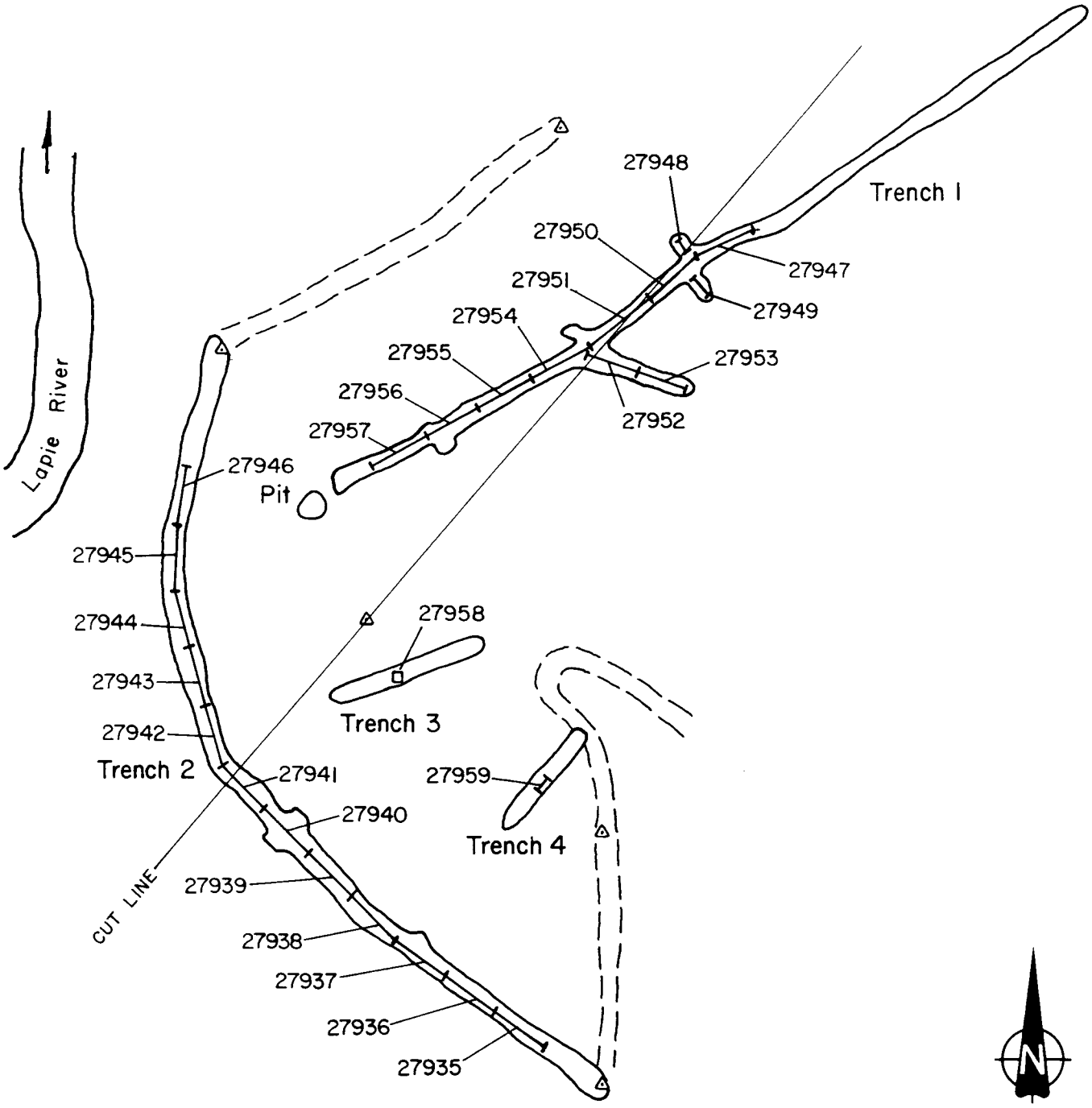
3.0 DISCUSSION OF RESULTS

Results of the trenching program on the Grew Creek Property are discussed separately for each of the four zones.

3.1 Lapie River Zone

Clay altered clastic felsic tuffs are intermittently exposed along the Lapie River west of the South Canol Road. Work by Hudson Bay(1985) in this area identified a strong structural trend sub-parallel to the Lapie River. Anomalous VLF-EM survey results were interpreted by Hudson Bay to represent possible clay altered zones.

Trenching (Figure 4) was carried out on the Grand 1 claim to test for possible clay alteration associated with gold mineralization. Trenches were excavated in light yellow-brown weathering quartz-feldspar porphyry rhyolite and crystal - lithic tuffs. The volcanics exposed in the trenches are moderately to strongly fractured, pale gray to green in colour and unaltered. No clay altered zones or mineralization were exposed in the trenches. Rock chip samples (Figure 5) taken along 10 metre intervals returned only background gold values.



LEGEND

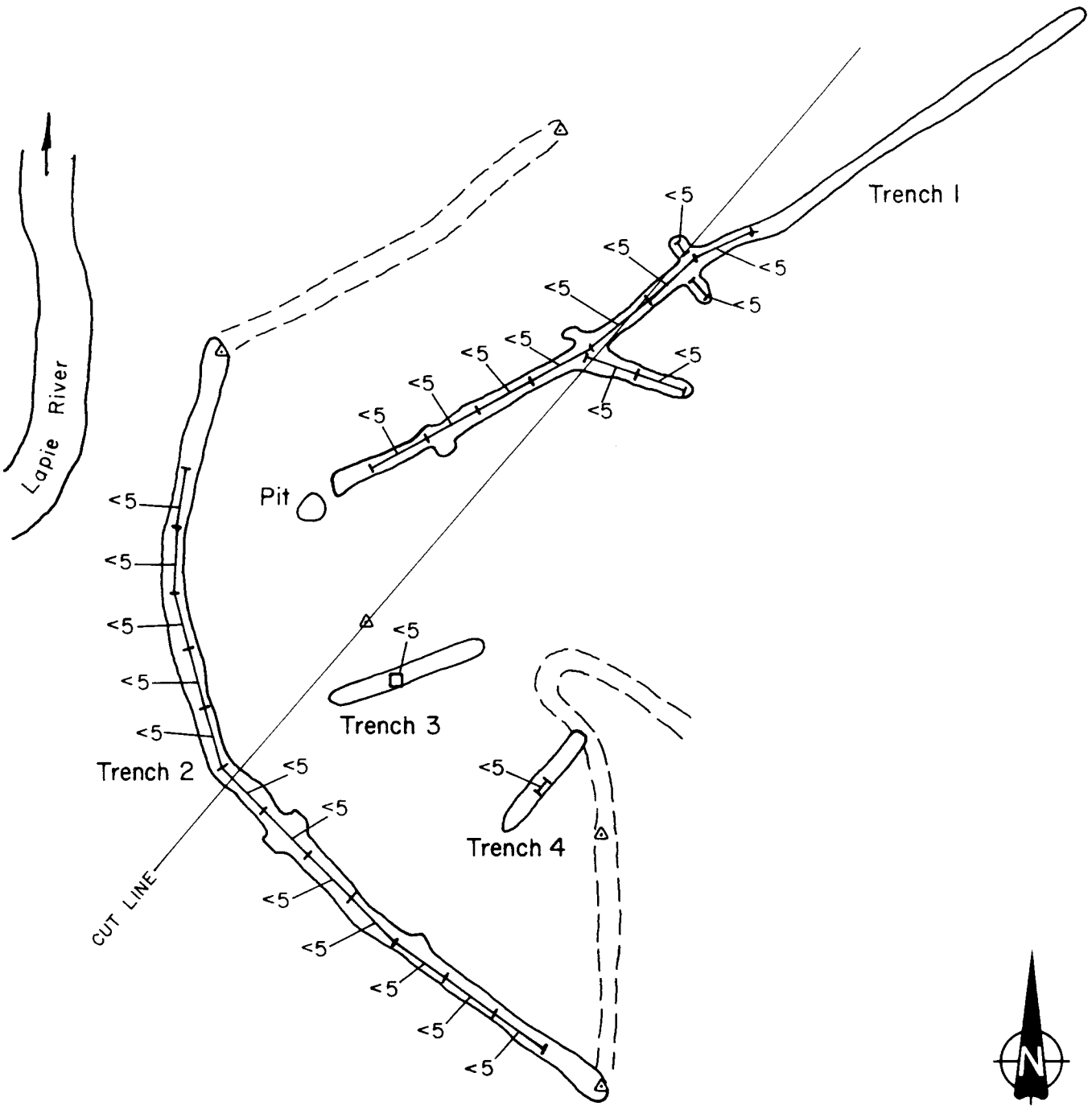
27937 — Rock Sample No. (Chip)

27958 □ Rock Sample No. (Grab)

GOLDNEV RESOURCES INC.
Grew Creek Property

Lapie River Zone
SAMPLE LOCATION MAP

AZIMUTH GEOLOGICAL INCORPORATED	Oct., 1991	FIGURE: 4



LEGEND

5 — ppb Au in Rock (Chip)

5□ — ppb Au in Rock (Grab)

GOLDNEV RESOURCES INC.
Grew Creek Property

Lapie River Zone
ppb Au in Rock

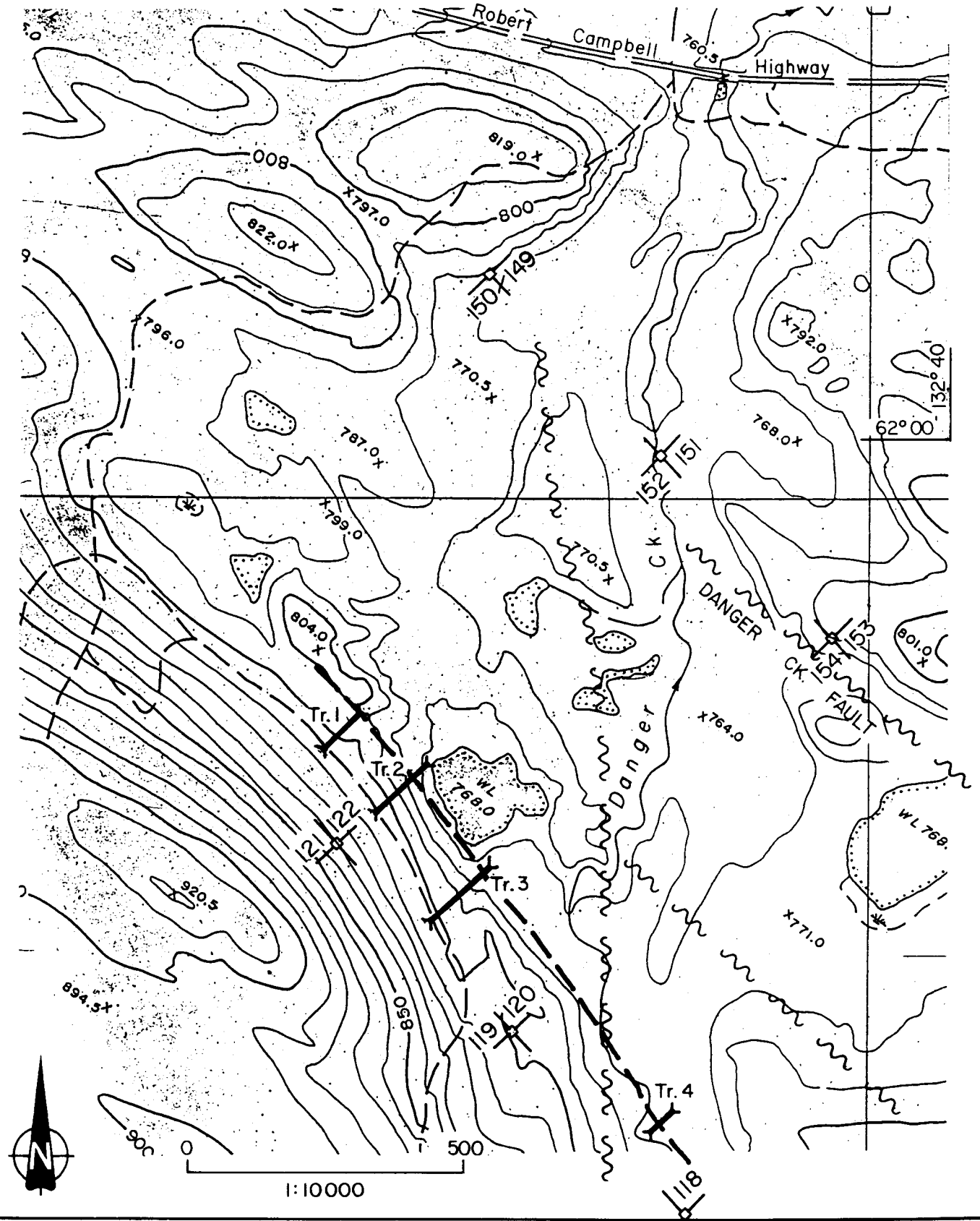
AZIMUTH GEOLOGICAL INCORPORATED	Oct., 1991	FIGURE: 5

3.2 Danger Creek Zone

The Danger Creek Zone is located near Km 380 of the Robert Campbell Highway. Geophysical and geochemical surveys by Hudson Bay (1986) identified a target zone peripheral to the intersection of the NW-SE trending Danger Creek Fault and a major north-south trending structure striking parallel to Danger Creek in this area. The intersecting faults occur along the western edge of a 500-600m diameter circular structure by aerial photography. This structure has been interpreted by Hudson Bay as a caldera. The fault intersection occurs in low, swampy ground cut by Danger Creek. VLF-EM surveys by Hudson Bay show a series of strong conductors parallel to the Danger Creek Fault trend.

Trenching was carried out on the Grand 118, 120, 122 and claims, 400-500m south of the fault intersection associated with the proposed caldera. Four trenches (Figure 6) were located along one of the strong NW-SE trending VLF-EM conductors. Trenching was not carried out in the immediate area of the fault intersection because of the swampy ground.

No bedrock was exposed in the trenches with the exception of a small 5m occurrence of unaltered quartz eye feldspar porphyry exposed in the south end of Trench 3. Sampling of the porphyry and till samples from the trenches (Figures 7-10) returned only background gold values.



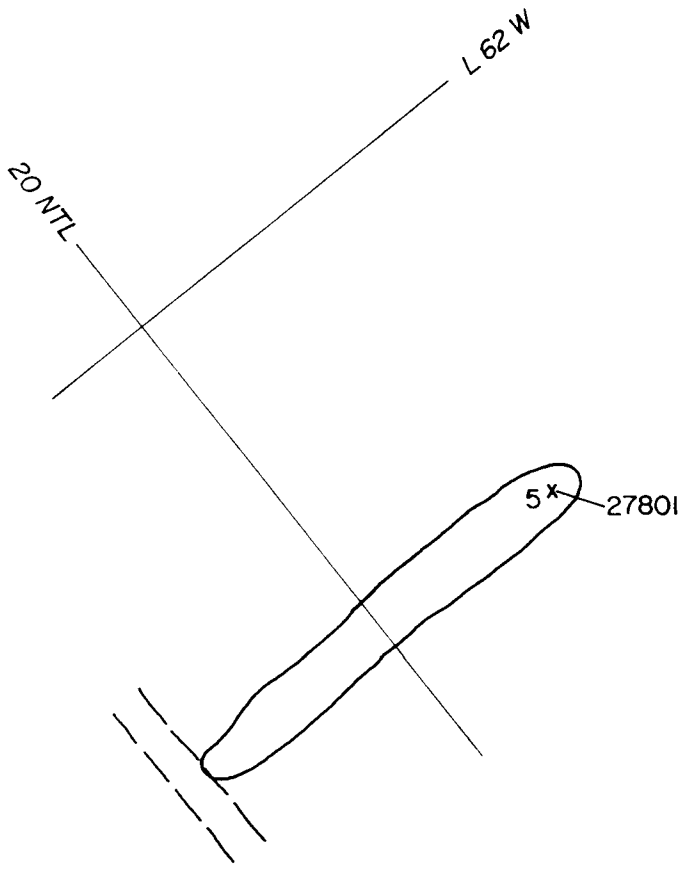
LEGEND

- Access Road
- VLF Conductor
- 154 | 153 Claim Post and Number
- Tr. 3 Trench
- Fault

GOLDNEV RESOURCES INC.
Grew Creek Property

Danger Creek Zone
TRENCH LOCATION MAP

AZIMUTH GEOLOGICAL INCORPORATED	Oct., 1991	FIGURE: 6



0 50 m

1:1000

LEGEND

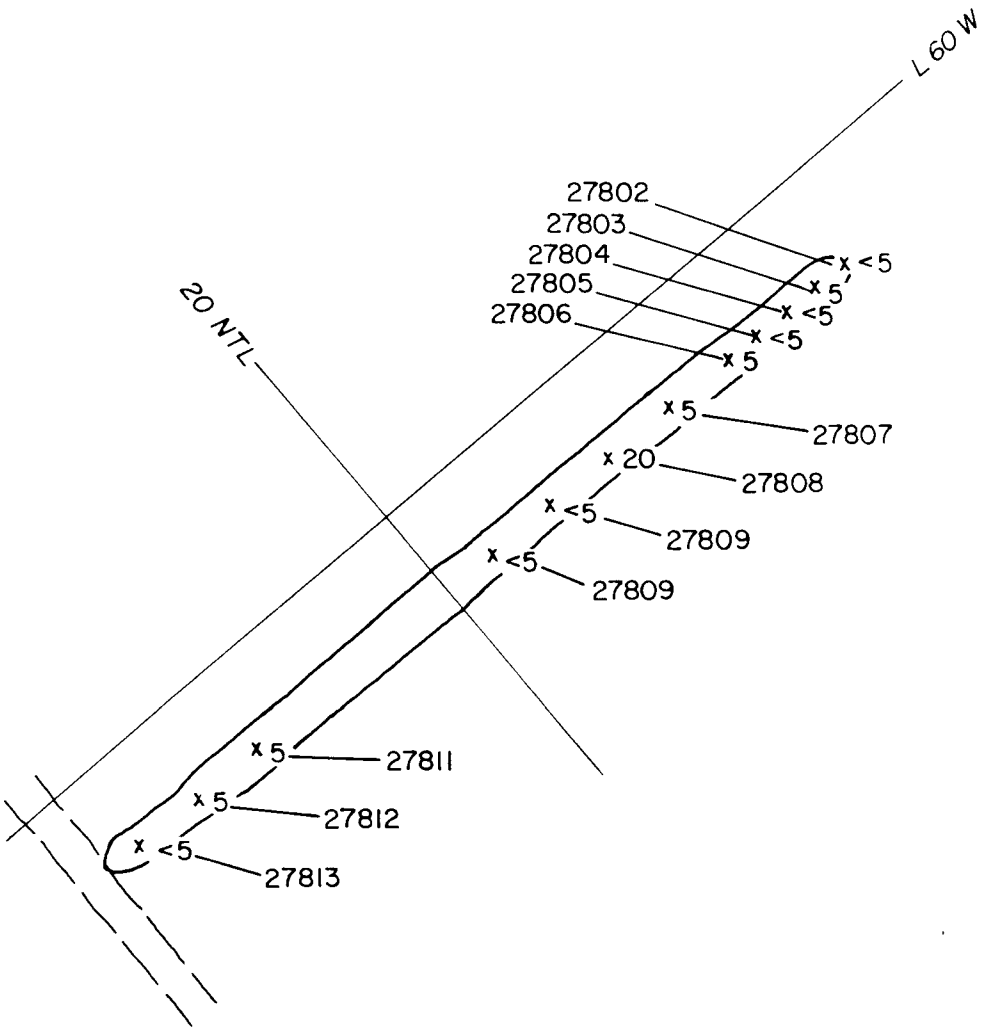
Access Road

5 x 27801 ppb Au, Soil Sample Number

GOLDNEV RESOURCES INC.
Grew Creek Property

Danger Creek Zone - Trench 1
ppb Au in Soil

AZIMUTH GEOLOGICAL INCORPORATED	Oct., 1991	FIGURE: 7



0 50m

1:1000

LEGEND

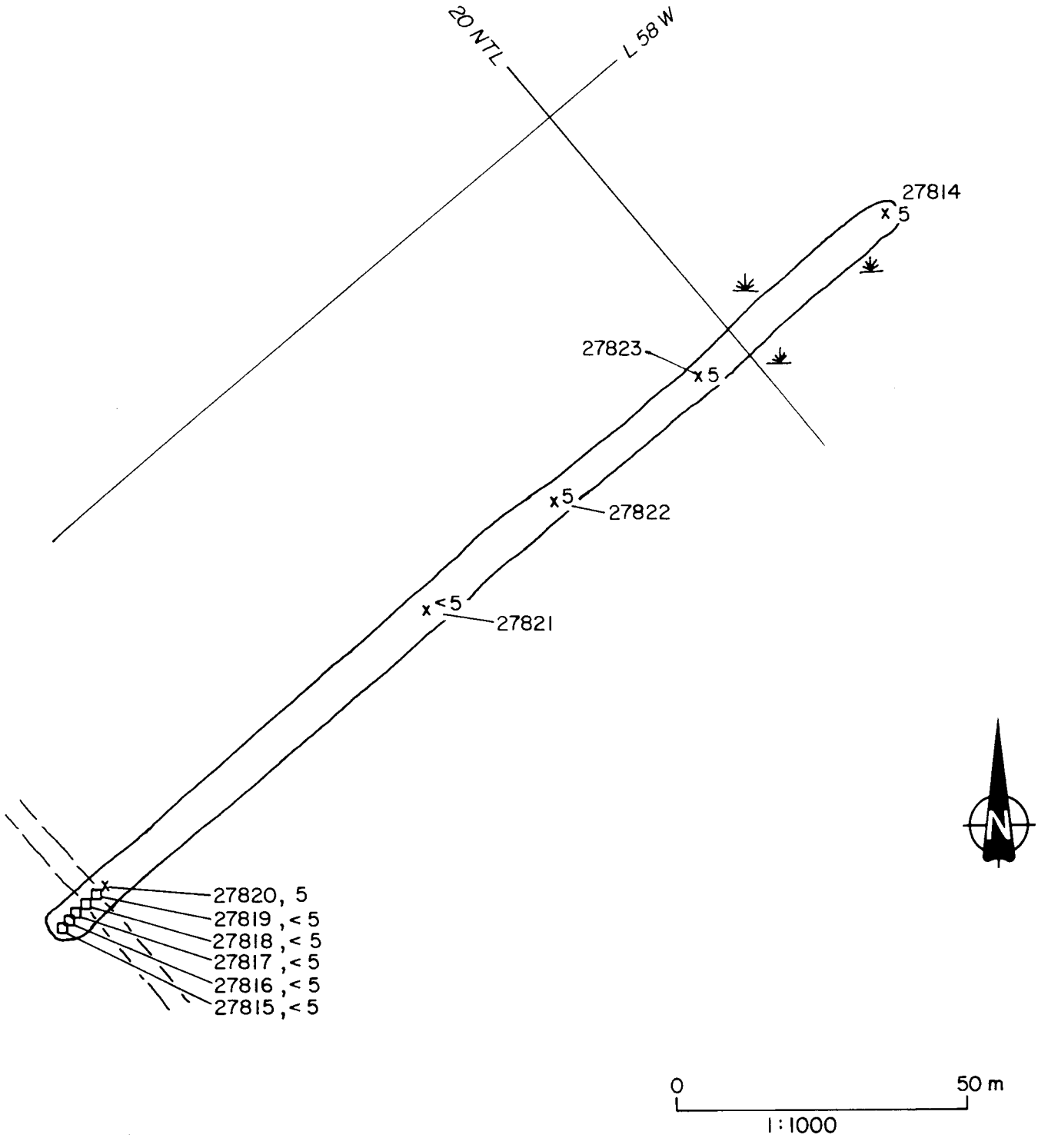
Access Road

20x27808 ppb Au, Soil Sample Number

GOLDNEV RESOURCES INC.
Grew Creek Property

Danger Creek Zone - Trench 2
ppb Au in Soil

AZIMUTH GEOLOGICAL INCORPORATED	Oct., 1991	FIGURE: 8



LEGEND

Access Road

Swamp

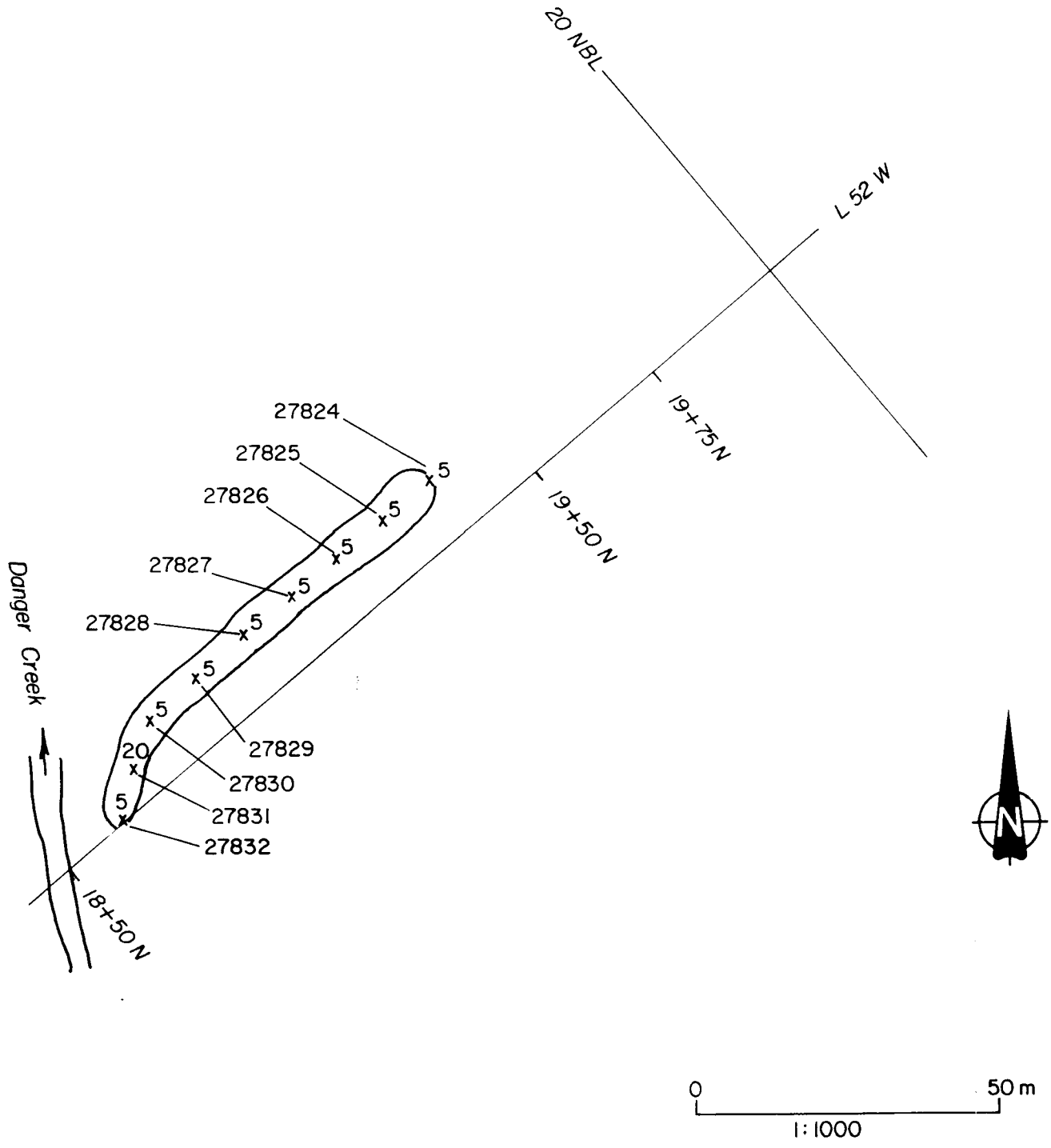
5 □ 27820 ppb Au, Rock Sample Number

5 x 27822 ppb Au, Soil Sample Number

GOLDNEV RESOURCES INC.
Grew Creek Property

Danger Creek Zone - Trench 3
ppb Au

AZIMUTH GEOLOGICAL INCORPORATED	Oct., 1991	FIGURE: 9



LEGEND

$20 \times^{27831}$ ppb Au, Soil Sample Number

GOLDNEV RESOURCES INC.
Grew Creek Property

Danger Creek Zone - Trench 4
ppb Au in Soil

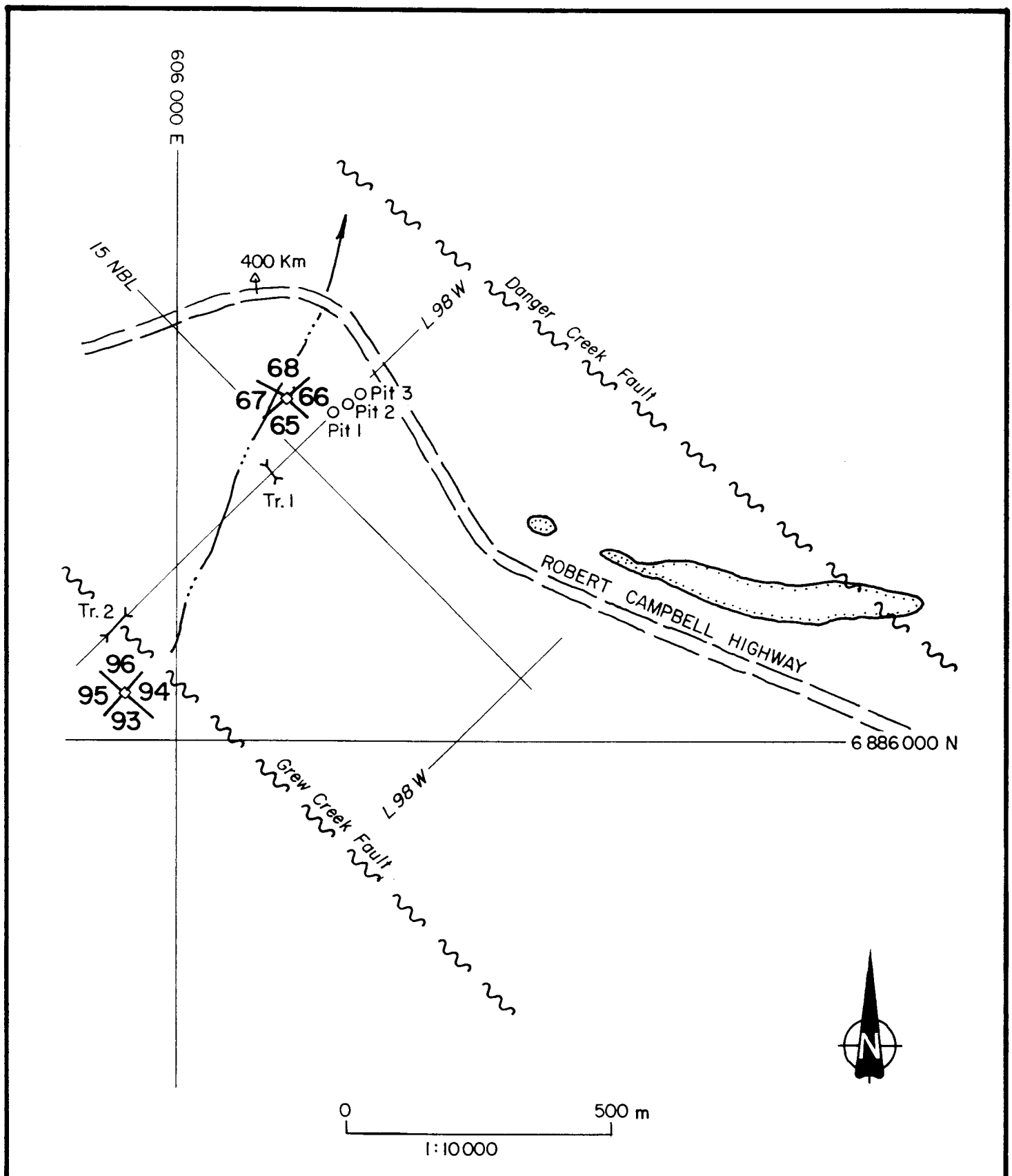
AZIMUTH GEOLOGICAL INCORPORATED	Oct., 1991	FIGURE: 10

3.3 400 Zone

Results of work by Hudson Bay (1984-86) and airborne EM data collected by Aerodat (1988) suggest that the area near 400 km of the Robert Campbell Highway is underlain by the intersection of the NW trending Grew Creek Fault with a major north-trending structure. A silt sample (Hudson Bay, 1984) from a creek that parallels the north-trending fault returned anomalous mercury (235 ppb Hg). VLF-EM surveys by Hudson Bay identified several weak to moderate conductors along the trend of the Grew Creek Fault.

Two trenches and three pits were located in the 400 area (Figure 11). Trench 1 exposed moderate to highly fractured, unaltered basalt over a small 5m by 15m zone east of the creek. The basalt is located along a weak VLF-EM conductor. Trench 2 was located across a weak conductor along the projection of the Grew Creek Fault west of the small creek. Extensive permafrost restricted trenching depths to 0.5-1.0m. Three pits were located southwest of the Robert Campbell Highway along the trend of Danger Creek and Grew Creek faults. This area is underlain by extensive till cover and bedrock was not exposed.

Sample results for the trenches and pits show only background gold values.



LEGEND

Trench

95 Claim Post and Number

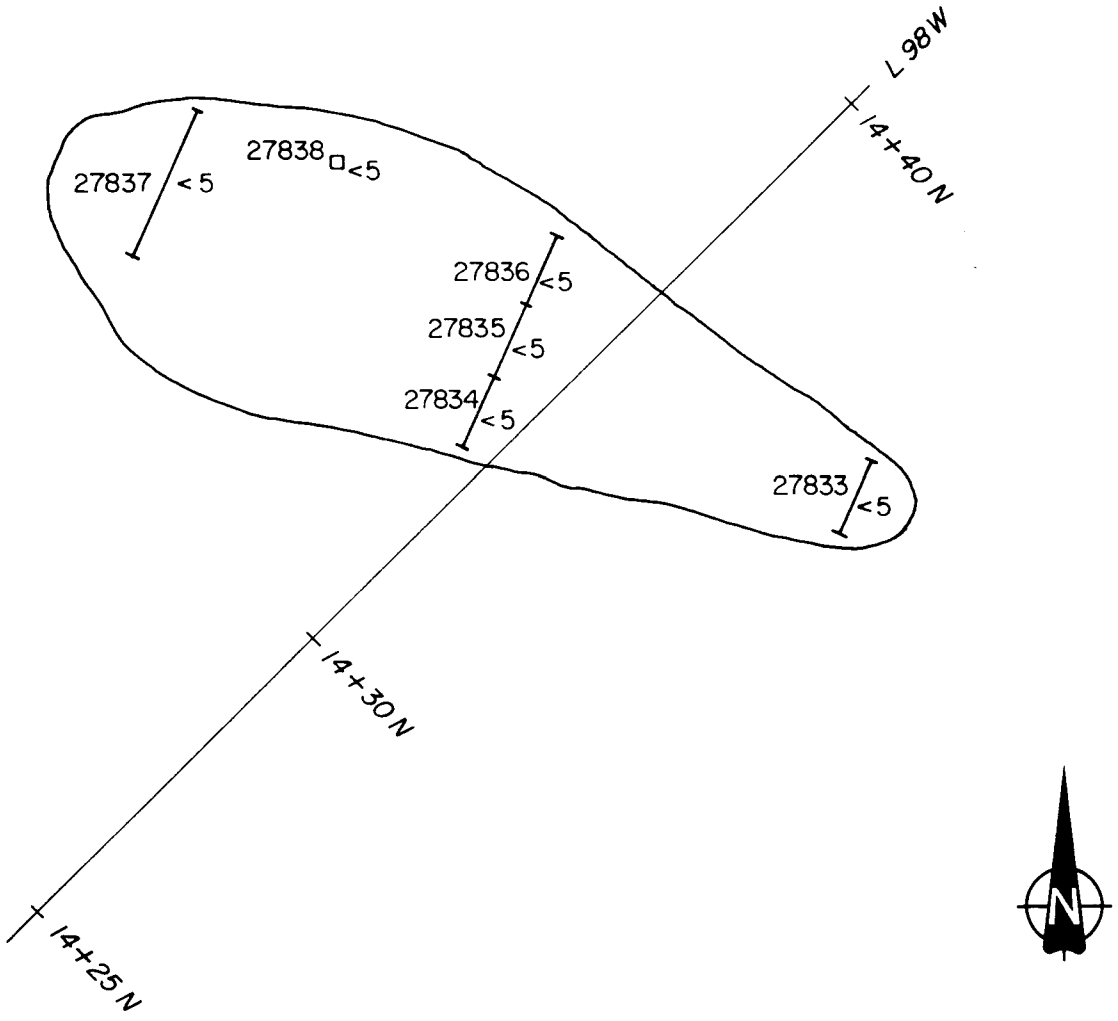
Pit

Road Kilometre Marker

GOLDNEV RESOURCES INC.
Grew Creek Property

400 Zone
PIT & TRENCH LOCATION MAP

AZIMUTH GEOLOGICAL INCORPORATED	Oct., 1991	FIGURE: 11



0 5 m

1:100

LEGEND

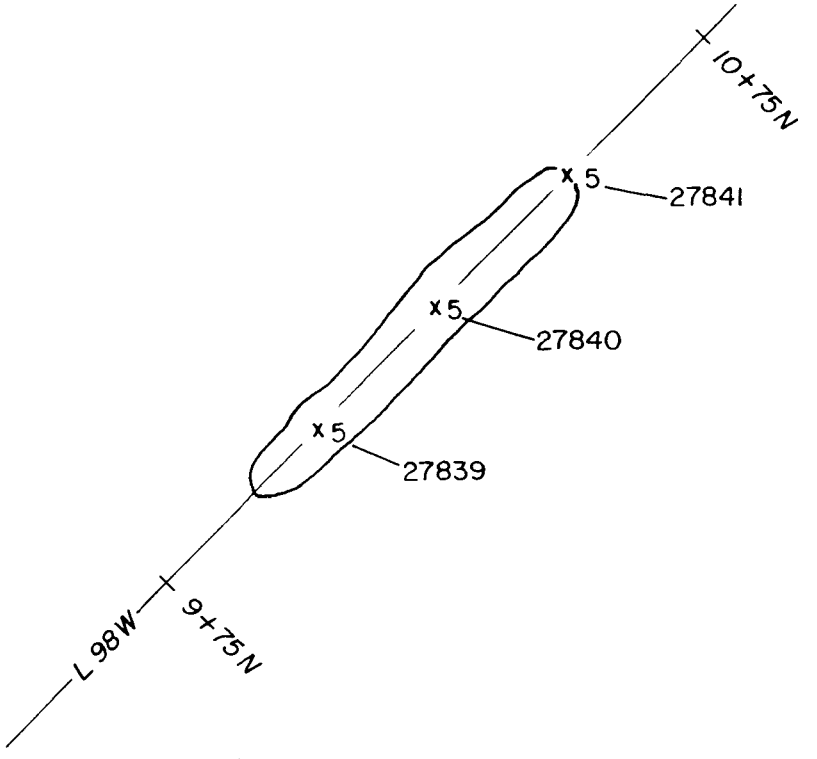
27838 <5 □ ppb Au, Rock Sample Number (Grab)

27837 <5 ppb Au, Rock Sample Number (Soil)

GOLDNEV RESOURCES INC.
Grew Creek Property

400 Zone - Trench 1
ppb Au in Rock

AZIMUTH GEOLOGICAL INCORPORATED	Oct., 1991	FIGURE: 12



0 20m

1:1000

LEGEND

$5^{x}{}^{27840}$ ppb Au, Soil Sample Number

GOLDNEV RESOURCES INC.
Grew Creek Property

400 Zone - Trench 2
ppb Au in Soil

AZIMUTH GEOLOGICAL INCORPORATED	Oct., 1991	FIGURE: 13

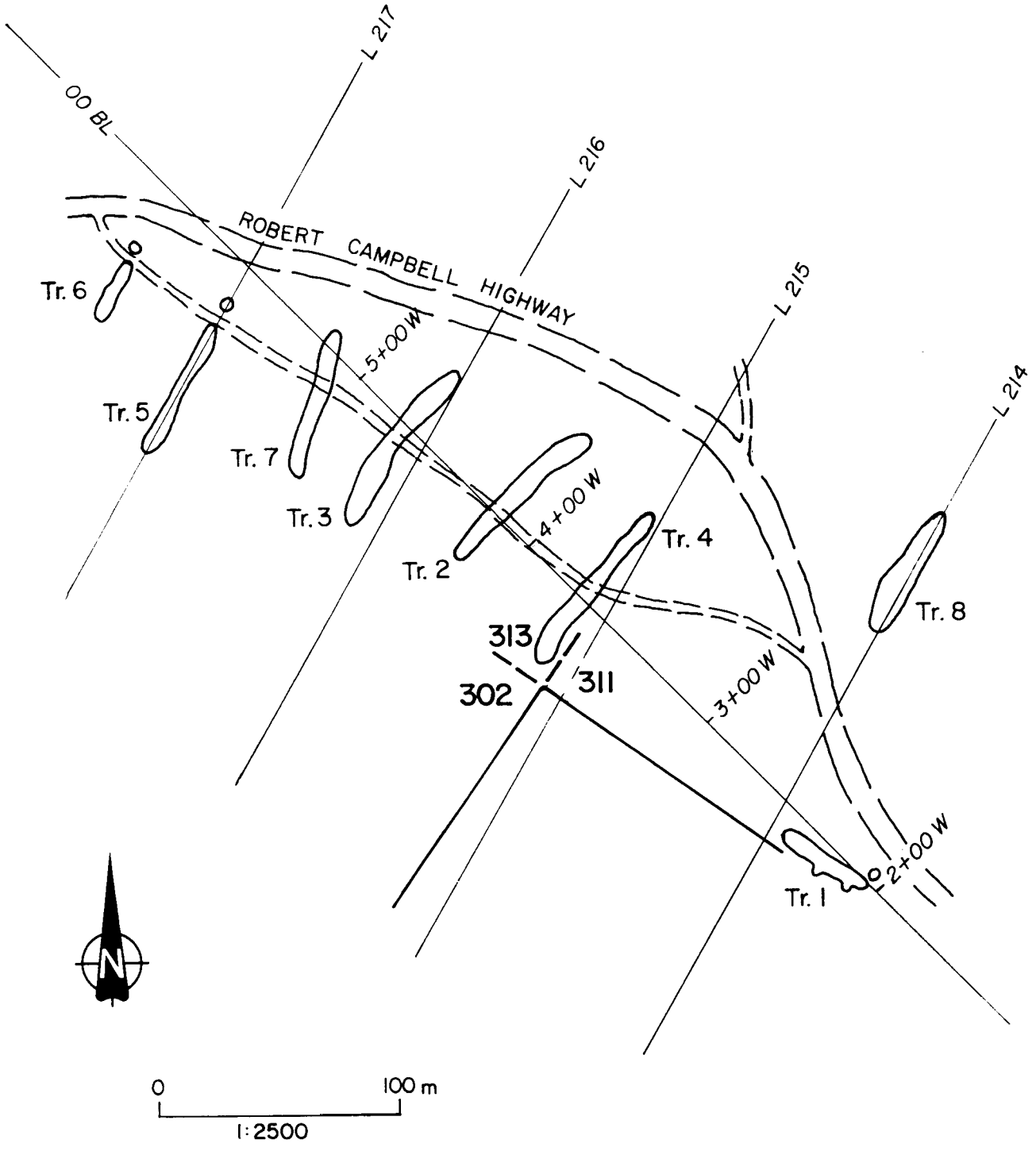
3.4 410 Zone

In the area of Km 410 of the Robert Campbell Highway the Grew Creek Fault is cut at an acute angle by the east trending Lake Fault (Hardy, 1989). Earlier work in this area identified: (1) anomalous gold (380 ppb) from fine quartz stringers in rusty altered felsite, (2) anomalous gold (15-60 ppb) and mercury (75-580 ppb) in soils along the Grew Creek Fault and (3) several weak to moderate northwest trending VLF-EM conductors.

Eight trenches were located on the 410 Zone to test the three areas. Trench 1, located twenty metres west of the Robert Campbell Highway (Figures 15,16), exposed gossanous fine grained volcanics along a length of 40 metres. The volcanics are highly fractured with narrow, localized bleached and clay altered zones peripheral to fractures. Intense iron staining present throughout the trench gives the zone a distinct colour anomaly. Boxwork textures in the weathered volcanics suggest the iron staining may be from oxidized sulphides. The only mineralization observed were trace amounts of disseminated pyrite in Sample No. 27929. No silicification or veining was noted in the trench. One and two metre chip samples collected along the wall of the trench show occasional elevated gold (75 ppb) values. ICP analyses do not show anomalous values for other elements.

Trenches 2, 3, and 4 were located (Figure 17) to test the mercury soil anomaly (>75 ppb Hg) outlined by Hudson Bay's work. All of the trenches were in till or permafrost. Samples collected from till and permafrost horizons did not carry gold values.

Trenches 5, 6, 7 and 8 were located (Figures 18,19) to test a VLF-EM conductor trending along the projection of the Grew Creek Fault. No bedrock was present in the trenches with the exception of a small exposure of sheared conglomerate at the northeast end of Trench 6. Similar conglomerates occur near the Main Zone where the felsic rocks are in fault contact with mudstones, sandstones and pebble conglomerate. Shearing of the conglomerate seen in Trench 6 may be associated with the Grew Creek fault zone. Rock and soil samples from the trenches did not carry gold values.



LEGEND

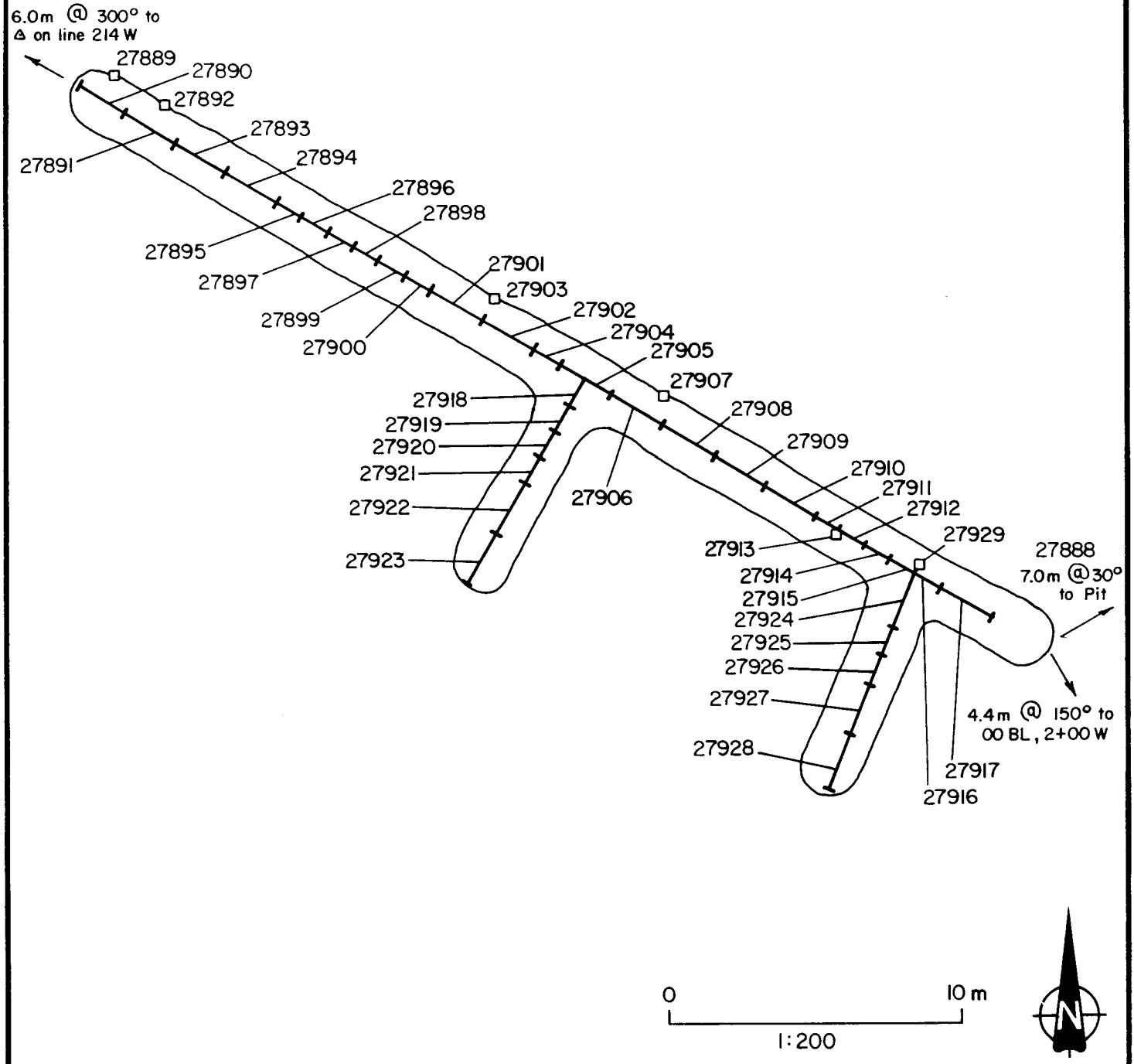
Tr. 5 — Trench

302 — Canyon Claim Boundary and Number

GOLDNEV RESOURCES INC.
Grew Creek Property

410 Zone
TRENCH LOCATION MAP

AZIMUTH GEOLOGICAL INCORPORATED	Oct., 1991	FIGURE: 14



LEGEND

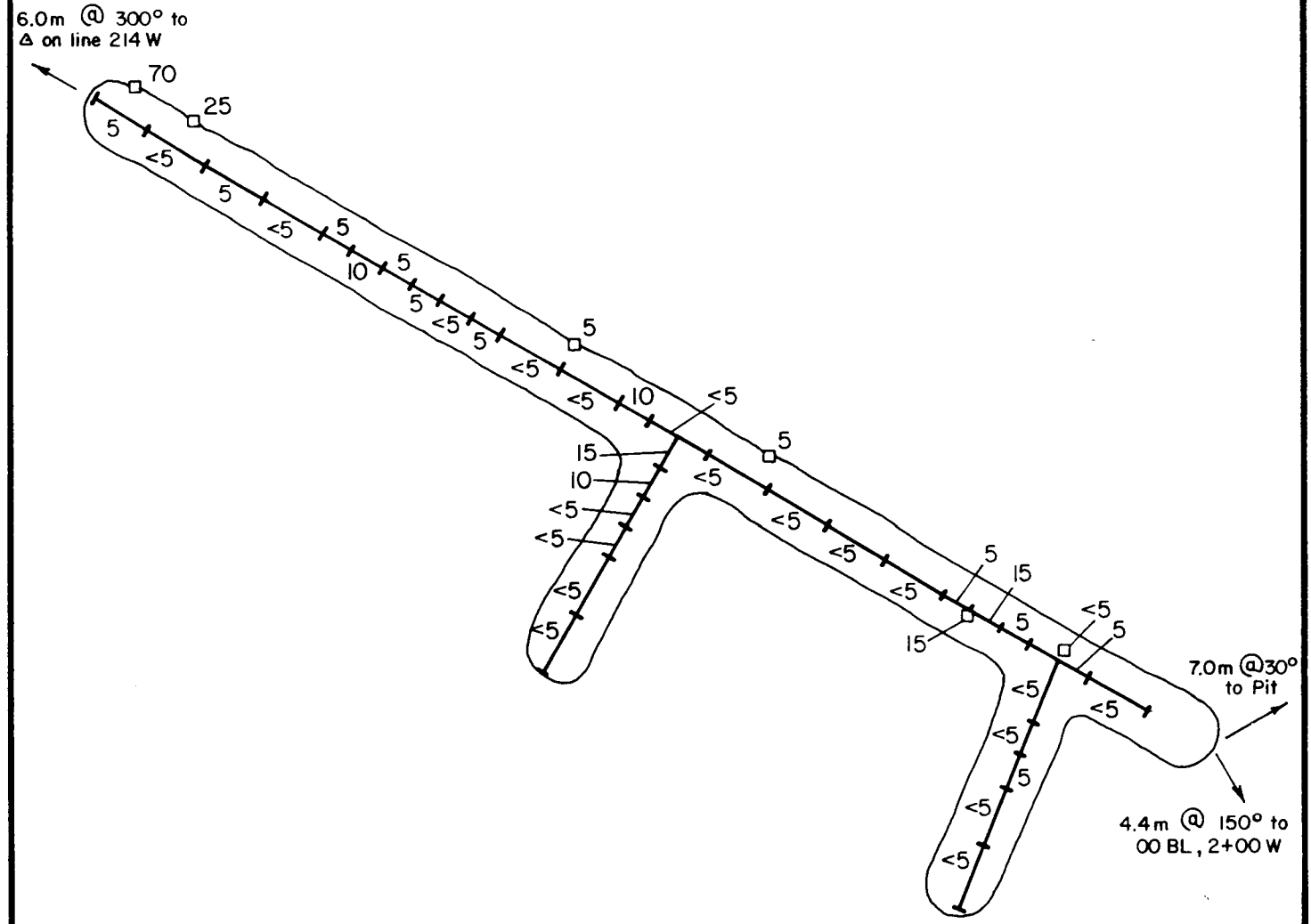
27922 — Rock Sample Number (Chip)

27907 □ Rock Sample Number (Grab)

GOLDNEV RESOURCES INC.
Grew Creek Property

410 Zone - Trench 1
SAMPLE LOCATION MAP

AZIMUTH GEOLOGICAL INCORPORATED	Oct., 1991	FIGURE: 15



0 10 m

1:200

LEGEND

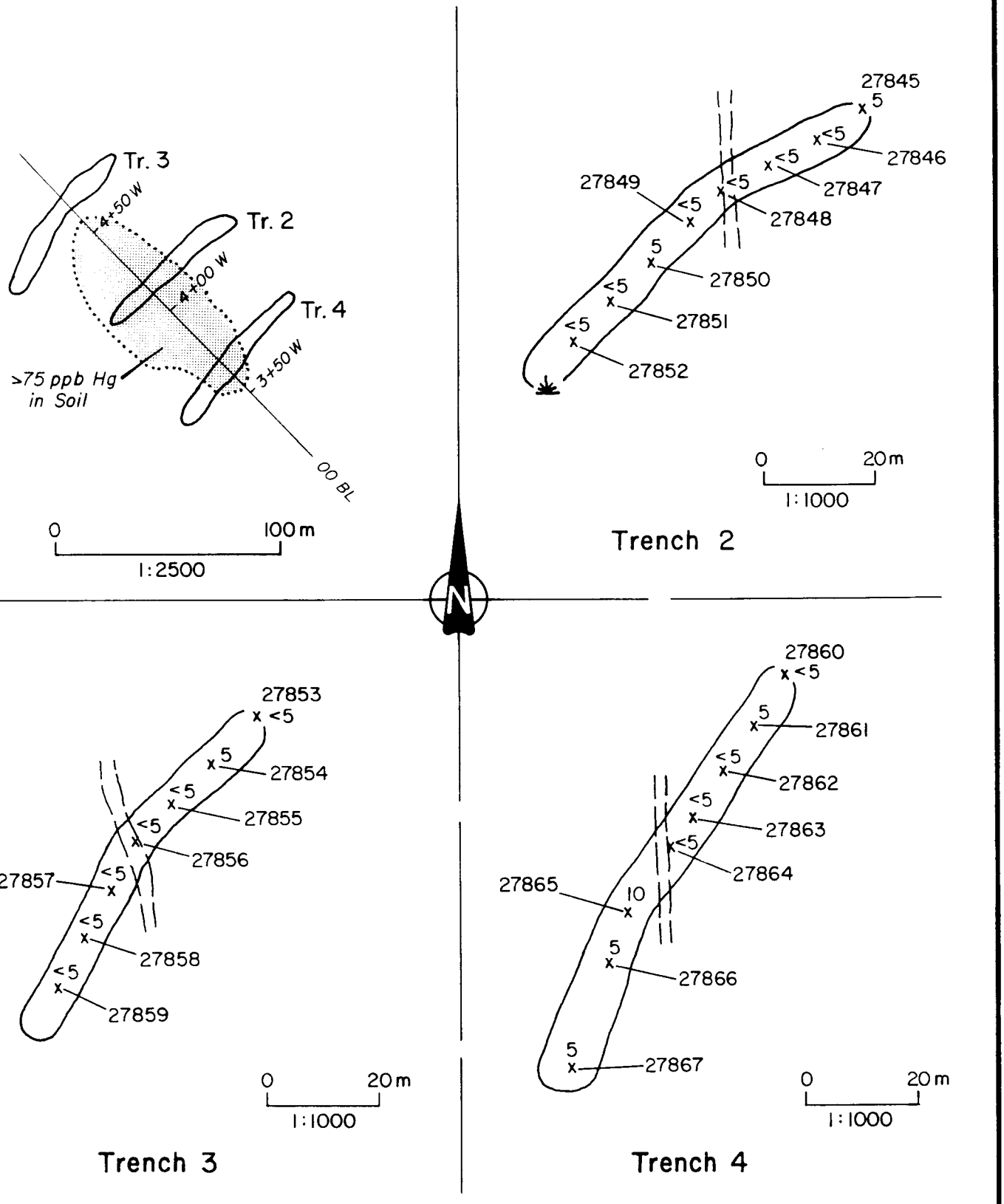
$^{70}\square$ ppb Au in Rock Sample (Grab)

$\underline{10}$ ppb Au in Rock Sample (Chip)

GOLDNEV RESOURCES INC.
Grew Creek Property

410 Zone - Trench 1
ppb Au in Rock

AZIMUTH GEOLOGICAL INCORPORATED	Oct., 1991	FIGURE: 16



LEGEND

Access Road

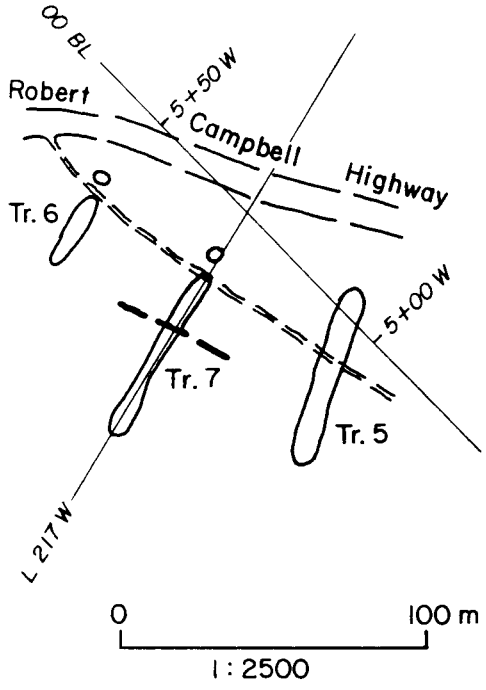
Swamp

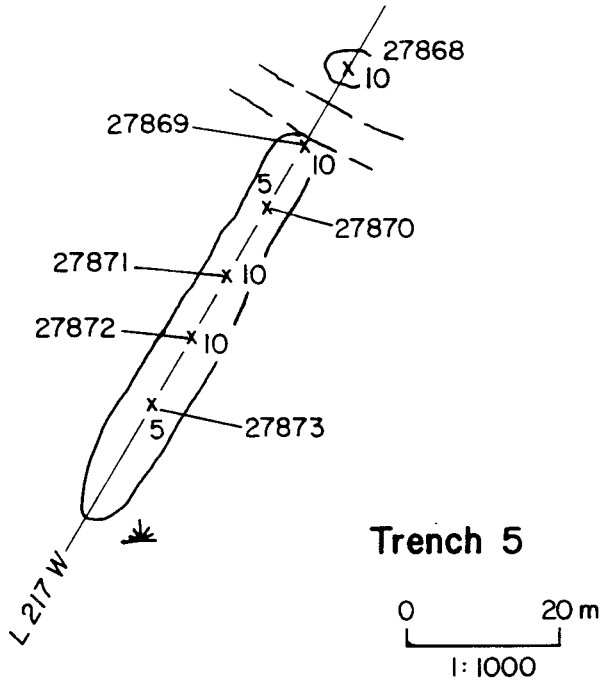
10 x 27865 ppb Au, Soil Sample Number

GOLDNEV RESOURCES INC.
Grew Creek Property

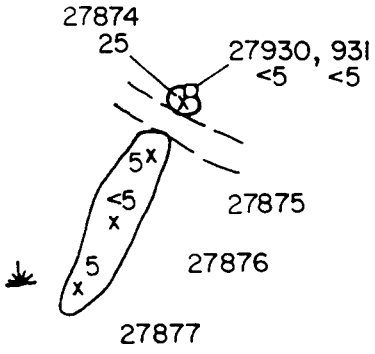
410 Zone - Trench 2-4
ppb Au in Soil

AZIMUTH GEOLOGICAL INCORPORATED	Oct., 1991	FIGURE: 17

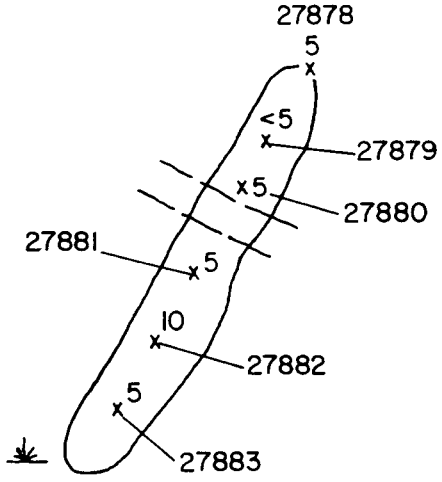




Trench 5



Trench 6



Trench 7

LEGEND

Access Road

Swamp

VLF Conductor

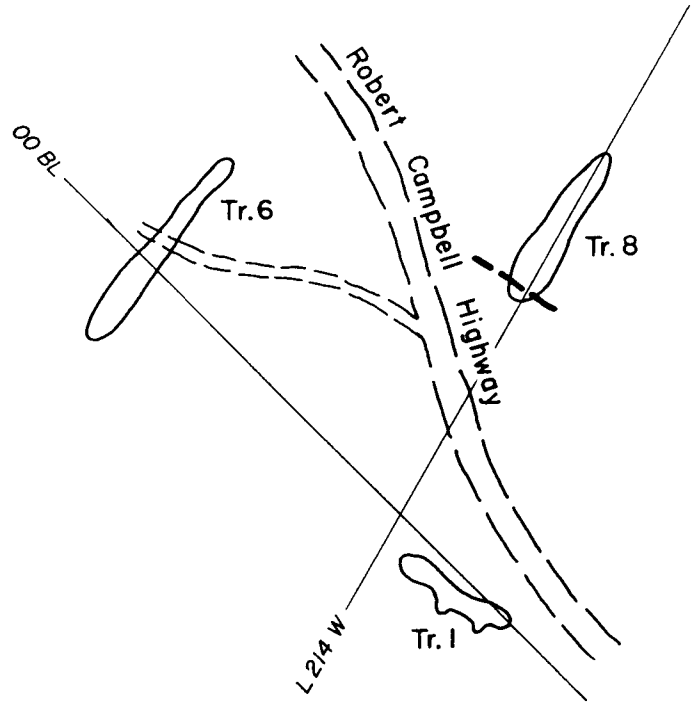
5 □ 27930 ppb Au, Rock Sample Number

10 x 27872 ppb Au, Soil Sample Number

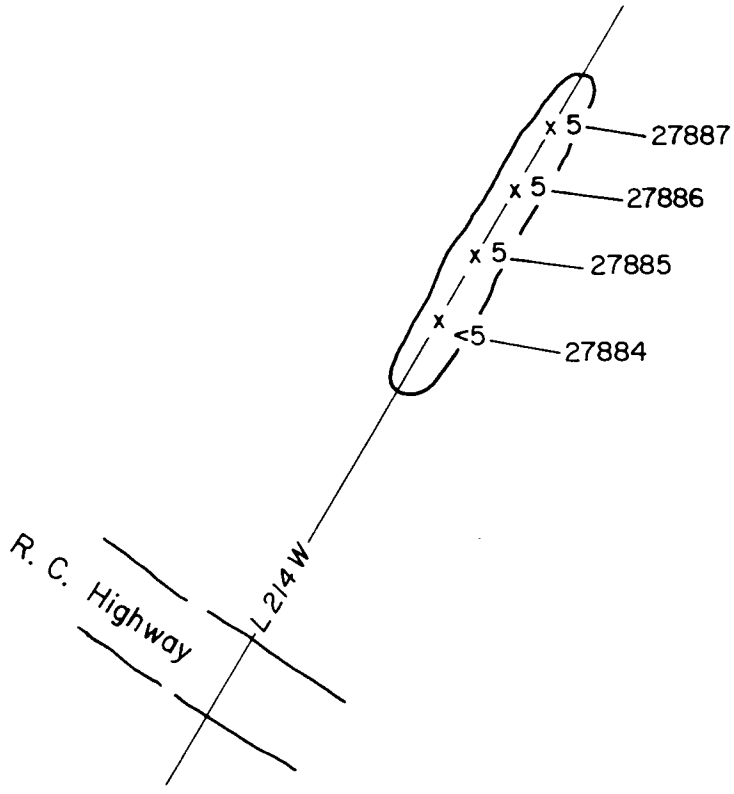
GOLDNEV RESOURCES INC.
Grew Creek Property

410 Zone - Trench 5-7
ppb Au

AZIMUTH GEOLOGICAL INCORPORATED	Oct., 1991	FIGURE: 18



0 100 m
1 : 2500



0 20 m
1 : 1000

LEGEND

VLF Conductor

$5^{x\ 27877}$ ppb Au, Soil Sample Number

GOLDNEV RESOURCES INC.
Grew Creek Property

410 Zone - Trench 8
ppb Au in Soil

AZIMUTH GEOLOGICAL INCORPORATED	Oct., 1991	FIGURE: 19

4.0 CONCLUSIONS AND RECOMMENDATIONS

Previous work (1983-1989) on the Grew Creek Property resulted in the discovery of the "Main Zone" mineralization. In the Main Zone, argillically altered felsic tuffs host structurally controlled epithermal gold and silver mineralization. Gold grades appear to be directly proportional to alteration and degree of veining. In 1991 four other zones with similar altered volcanics or structural settings to the Main Zone were tested by backhoe trenching.

Along the Lapie River Canyon surface exposure of felsic volcanics give the rocks a distinct "clay altered" appearance. In the Lapie River Zone four trenches exposed unaltered feldspar porphyry rhyolite and crystal lithic tuffs. Trenching in the Danger Creek and 400 Zones tested for possible structurally controlled mineralization. Both zones have extensive permafrost and overburden cover. Trenching was unable to reach bedrock in the areas of suspected faulting. Analytical results do not show significant values. Trenching in the 410 Zone has identified a possible fault zone with highly fractured and iron stained volcanics.

Results of the trenching program on the Grew Creek Property did not identify targets in the Lapie River, Danger Creek and 400 Zones. Sampling of till and permafrost horizons returned only background gold values. It is likely that the extensive till and permafrost cover makes surface geochemistry of little value. If these zones are to be further tested a program of overburden till sampling should be considered.

Results from Trench 1 on the 410 Zone suggest similarities to the surface exposure of the Main Zone. Intense iron staining of the highly fractured volcanics may be associated with oxidization of underlying mineralization. Short drill holes are recommended to test below the oxidized zone.

Respectfully submitted,

Larry R. Haynes, B.Sc., F.G.A.C.

5.0 REFERENCES

Duke, J.L. (1988), Summary Report of the 1988 Exploration Activities on the Canyon and Grand Claims, Noranda Exploration Company Ltd., Internal Report, 50 pp.

Hardy, J. (1989), Goldnev Resources Inc.- Grew Creek Areas Proposed for 1990 Follow-Up, Internal Report, Memo Ref.4695

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Saunders. C.R. (1988), Geological Reserve of the Grew Creek Deposit, Orcan Mineral Associates Ltd., 5 pp.

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Templeman-Kluit, D.J. (1972), Geology and Origin of the Faro, Vangorda and Swim Concordant Zinc-Lead Deposits, Central Yukon Territory, Geological Survey of Canada, Bulletin 208, 73pp.

APPENDIX I
Cost Statement - Lapie River Zone

COST STATEMENT

Lapie River Zone
August 28, 1991 to Sept. 20, 1991

Mobilization and Demobilization		$ 1050.00
Salaries and Wages		
Supervision	2.0 days @ $400.00/day	$ 800.00
Geologist	6.0 days @ $350.00/day	$ 2100.00
Food and Accommodation		
13.0 days @ $100.00/day		$ 1300.00
Transportation		
Truck Rental	5.0 days @ $100.00/day	$ 500.00
Fuel		$ 194.36
Airfares		$ 550.00
Trenching		
Mob/Demob		$ 1371.40
Backhoe Rental	32.5 hrs. @ $90.00/hr	$ 2925.00
Truck Rental	5.0 days @ $50.00/day	$ 250.00
Standby	8.0 hrs. @ $30.00/hr	$ 240.00
Analysis		
25 Au Geochem (Rock)		$ 300.00
25 ICP Analysis (Rock)		$ 210.00
General Costs		
Supplies		$ 300.00
Report		$ 800.00
	Total	**$ 12790.76**

APPENDIX II
Cost Statement - Danger Creek Zone

COST STATEMENT

Danger Creek Zone
August 28, 1991 to Sept. 20, 1991

Mobilization and Demobilization		$ 1425.00
Salaries and Wages		
Supervision	5.0 days @ $400.00/day	$ 2000.00
Geologist	6.0 days @ $350.00/day	$ 2100.00
Technician	3.5 days @ $225.00/day	$ 787.50
Food and Accommodation		
14.5 days @ $100.00/day		$ 1450.00
Transportation		
Truck Rental	6.0 days @ $100.00/day	$ 600.00
Fuel		$ 225.37
Airfares		$ 450.00
Bus		$ 50.00
Trenching		
Mob/Demob		$ 1125.00
Backhoe Rental	28.5 hrs. @ $90.00/hr	$ 2565.00
Truck Rental	4.0 days @ $50.00/day	$ 200.00
Standby	3.0 hrs. @ $30.00/hr	$ 90.00
Analysis		
44 Au Geochem (Rock)		$ 42.00
43 Au Geochem (Soil)		$ 226.80
44 ICP Analysis (Rock)		$ 60.00
43 ICP Analysis (Soil)		$ 243.00
General Costs		
Supplies		$ 303.00
Report		$ 1500.00
	Total	**$ 15442.67**

APPENDIX III
Cost Statement - 400 Zone

COST STATEMENT

400 Zone
August 28, 1991 to Sept. 20, 1991

Salaries and Wages

Supervision	1.0 days @ $400.00/day	$ 400.00
Geologist	1.5 days @ $350.00/day	$ 525.00
Technician	1.5 days @ $225.00/day	$ 337.50

Food and Accommodation

4.0 days @ $100.00/day	$ 400.00

Transportation

Truck Rental	1.5 days @ $100.00/day	$ 150.00
Fuel		$ 34.11

Trenching

Mob/Demob		$ 710.60
Backhoe Rental	8.0 hrs. @ $90.00/hr	$ 720.00
Truck Rental	1.0 days @ $50.00/day	$ 50.00
Standby	4.0 hrs. @ $30.00/hr	$ 120.00

Analysis

6 Au Geochem (Rock)	$ 72.00
6 Au Geochem (Soil)	$ 54.00
6 ICP Analysis (Rock)	$ 50.40
6 ICP Analysis (Soil)	$ 50.40

General Costs

Supplies	$ 100.00
Report	$ 100.00

Total $ 3874.01

APPENDIX IV
Cost Statement - 410 Zone

COST STATEMENT

410 Zone
August 28, 1991 to Sept. 20, 1991

Salaries and Wages

Supervision	1.0 days @ $400.00/day	$ 400.00
Geologist	6.5 days @ $350.00/day	$ 2275.00

Food and Accommodation

7.5 days @ $100.00/day		$ 750.00

Transportation

Truck Rental	6.5 days @ $100.00/day	$ 650.00
Fuel		$ 68.72

Trenching

Mob/Demob		$ 1257.00
Backhoe Rental	18.5 hrs. @ $90.00/hr	$ 1665.00
Truck Rental	2.0 days @ $50.00/day	$ 100.00
Standby	6.0 hrs. @ $30.00/hr	$ 180.00

Analysis

44 Au Geochem (Rock)	$ 528.00
43 Au Geochem (Soil)	$ 387.00
44 ICP Analysis (Rock)	$ 369.60
43 ICP Analysis (Soil)	$ 361.20

General Costs

Supplies	$ 200.00
Report	$ 600.00

Total $ 9791.52

APPENDIX V
Analytical Results - Lapie River Zone

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. S3404

INVOICE #: 18412
P.O.: R3535

SAMPLE(S) OF Rock

L. Haynes
Project GNZ(C\Azimuth

REMARKS: Azimuth Geological Inc. Lapie River

	Au ppb
27935	<5
27936	<5
27937	<5
27938	<5
27939	<5
27940	<5
27941	<5
27942	<5
27943	<5
27944	<5
27945	<5
27946	<5
27947	<5
27948	<5
27949	<5
27950	<5
27951	<5
27952	<5
27953	<5
27954	<5

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INVOICE TO: Prime - Vancouver

Sep 25/91

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TSL LABORATORIES

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CERTIFICATE OF ANALYSIS

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

REPORT No. S3404

INVOICE #: 18412
P.O.: R3535

SAMPLE(S) OF Rock

L. Haynes
Project GNZGC\Azimuth

REMARKS: Azimuth Geological Inc. Lapie River

	Au ppb
27955	<5
27956	<5
27957	<5
27958	<5
27959	<5

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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:GNZGC AZIMUTH
S3404

REPORT No. : M9841
Page No. : 1 of 1
File No. : SE27MA
Date : SEP-30-1991

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
27935	< 1	0.55	< 5	< 10	10	2	5	0.25	< 1	< 1	26	1	1.0	0.21	0.05	150	4	0.04	< 1	28	10	< 5	2	< 10	5	190	< 1	< 10	110	41	53
27936	< 1	0.55	< 5	< 10	10	2	< 5	0.25	< 1	< 1	52	4	0.96	0.26	0.02	150	6	0.05	< 1	20	25	< 5	2	< 10	4	120	< 1	< 10	120	71	64
27937	< 1	0.55	< 5	< 10	9	3	< 5	0.27	< 1	< 1	40	5	0.97	0.27	0.03	140	4	0.05	< 1	8	18	< 5	2	< 10	4	100	< 1	< 10	120	69	59
27938	< 1	0.54	< 5	< 10	10	2	< 5	0.29	< 1	< 1	37	4	0.93	0.23	0.03	130	4	0.04	< 1	16	16	< 5	2	< 10	5	98	< 1	< 10	120	66	58
27939	< 1	0.58	< 5	< 10	12	3	< 5	0.38	< 1	< 1	36	3	1.1	0.25	0.07	190	6	0.04	2	36	14	< 5	2	< 10	7	150	< 1	< 10	120	75	54
27940	< 1	0.52	< 5	< 10	12	2	< 5	0.30	< 1	< 1	40	3	0.89	0.23	0.04	140	4	0.04	< 1	26	8	< 5	2	< 10	5	98	< 1	< 10	120	58	57
27941	< 1	0.58	< 5	< 10	13	2	< 5	0.30	< 1	< 1	62	3	1.0	0.33	0.03	140	6	0.06	1	8	9	< 5	2	< 10	5	100	< 1	< 10	120	70	64
27942	< 1	0.55	< 5	< 10	13	3	5	0.29	< 1	< 1	39	3	0.95	0.29	0.03	140	4	0.05	< 1	18	7	< 5	2	< 10	5	92	< 1	< 10	120	66	59
27943	< 1	0.56	< 5	< 10	14	2	< 5	0.29	< 1	< 1	44	4	0.92	0.28	0.03	140	4	0.05	< 1	6	11	< 5	2	< 10	6	86	< 1	< 10	120	65	64
27944	< 1	0.54	< 5	< 10	19	2	< 5	0.27	< 1	< 1	57	4	1.2	0.21	0.04	250	4	0.05	1	24	7	< 5	2	< 10	6	98	< 1	< 10	100	92	54
27945	< 1	0.49	< 5	< 10	21	2	< 5	0.25	< 1	< 1	44	5	0.90	0.28	0.03	140	4	0.04	< 1	14	7	< 5	2	< 10	6	90	< 1	< 10	100	57	51
27946	< 1	0.60	< 5	< 10	17	2	< 5	0.28	< 1	< 1	45	5	0.88	0.31	0.02	150	4	0.04	< 1	6	10	< 5	2	< 10	6	120	< 1	< 10	120	60	59
27947	< 1	0.51	< 5	< 10	44	2	< 5	0.51	< 1	3	39	5	1.9	0.14	0.06	390	< 2	0.06	6	160	13	< 5	3	< 10	12	30	10	< 10	48	76	21
27948	< 1	0.57	< 5	< 10	32	2	< 5	0.47	< 1	< 1	42	3	1.5	0.15	0.04	300	4	0.04	2	58	16	< 5	2	< 10	12	34	< 1	< 10	44	82	20
27949	< 1	0.69	< 5	< 10	67	2	< 5	0.46	< 1	2	60	5	1.8	0.23	0.06	290	< 2	0.09	3	110	14	< 5	2	< 10	12	42	5	< 10	35	77	19
27950	< 1	0.49	< 5	< 10	34	2	< 5	0.51	< 1	< 1	38	4	1.6	0.17	0.04	310	4	0.06	2	64	15	< 5	2	< 10	10	36	< 1	< 10	39	87	20
27951	< 1	0.37	< 5	< 10	49	3	< 5	0.63	< 1	3	31	5	2.3	0.17	0.06	440	4	0.05	4	290	23	< 5	3	< 10	16	19	14	< 10	42	87	8
27952	< 1	0.40	< 5	< 10	46	2	< 5	0.50	< 1	2	28	6	2.0	0.12	0.06	400	4	0.06	4	220	23	< 5	3	< 10	12	21	14	< 10	46	120	10
27953	< 1	0.40	< 5	< 10	44	3	< 5	1.6	< 1	3	43	6	1.9	0.13	0.06	590	4	0.06	5	240	25	< 5	3	< 10	22	12	13	< 10	49	81	9
27954	< 1	0.54	< 5	< 10	28	2	< 5	0.36	< 1	1	28	4	1.2	0.23	0.04	190	4	0.05	3	86	20	< 5	2	< 10	7	100	5	< 10	77	66	35
27955	< 1	0.53	< 5	< 10	24	2	< 5	0.94	< 1	2	32	7	1.4	0.19	0.11	270	4	0.04	4	180	26	< 5	2	< 10	21	32	6	< 10	62	72	29
27956	< 1	0.51	< 5	< 10	48	3	< 5	0.52	< 1	2	25	5	1.5	0.22	0.06	270	6	0.05	4	210	24	< 5	2	< 10	11	40	7	< 10	53	73	19
27957	< 1	0.57	< 5	< 10	14	2	< 5	0.31	< 1	< 1	27	3	0.95	0.28	0.04	140	4	0.04	< 1	26	13	< 5	2	< 10	7	84	< 1	< 10	110	64	45
27958	< 1	0.52	< 5	< 10	32	2	< 5	0.36	< 1	< 1	35	4	0.95	0.29	0.04	150	4	0.04	1	22	12	< 5	2	< 10	7	80	< 1	< 10	120	71	47
27959	< 1	0.55	< 5	< 10	24	4	< 5	0.48	< 1	< 1	34	4	0.98	0.27	0.03	160	4	0.04	< 1	10	12	< 5	2	< 10	8	110	< 1	< 10	120	66	50

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 VI
Analytical Results - Danger Creek Zone

TSL LABORATORIES

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CERTIFICATE OF ANALYSIS

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

REPORT No. S3479

INVOICE #: 18472
P.O.: R3538

SAMPLE(S) OF Soil

L. Haynes
Project GNZGC\Azimuth

REMARKS: Azimuth Geological Inc.

	Au ppb
27801	5
27802	<5
27803	5
27804	<5
27805	<5
27806	5
27807	5
27808	20
27809	<5
27810	<5
27811	5
27812	5
27813	<5
27814	5
27820	5
27821	<5
27822	5
27823	5
27824	5
27825	5

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808 West Hastings Street
Vancouver, B.C. V6C 2X6

REPORT No.
S3479

INVOICE #: 18472
P.O.: R3538

SAMPLE(S) OF Soil

L. Haynes
Project GNZCC\Azimuth

REMARKS: Azimuth Geological Inc.

	Au ppb
27826	5
27827	5
27828	5
27829	5
27830	5
27831	20
27832	5

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CERTIFICATE OF ANALYSIS

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

REPORT No. S3405

INVOICE #: 18410
P.O.: R3536

SAMPLE(S) OF: Rock

L. Haynes
Project GNZGC\Azimuth

REMARKS: Azimuth Geological Inc. Danger Creek

	Au ppb
27815	<5
27816	<5
27817	<5
27818	<5
27819	<5

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Sep 25/91

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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:GNZGC AZIMUTH
S3479

REPORT No. : **M9873**
Page No. : 1 of 1
File No. : OC01MA
Date : OCT-02-1991

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
27801	< 1	1.1	5	< 10	720	< 1	< 5	1.2	1	8	23	19	2.6	0.23	0.69	320	< 2	0.01	27	490	25	< 5	3	< 10	46	250	38	< 10	5	120	3
27802	< 1	1.3	20	< 10	520	< 1	< 5	6.4	1	7	28	36	2.7	0.34	1.4	310	< 2	0.04	33	660	23	< 5	4	< 10	140	440	40	< 10	9	110	5
27803	< 1	1.4	10	< 10	510	< 1	< 5	4.8	< 1	9	35	30	2.7	0.43	1.5	340	< 2	0.04	35	860	17	< 5	5	< 10	120	510	39	< 10	13	94	4
27804	< 1	1.4	20	< 10	530	< 1	< 5	7.4	2	9	28	38	2.8	0.40	1.4	350	< 2	0.03	38	720	20	< 5	4	< 10	160	450	38	< 10	11	130	8
27805	< 1	1.1	15	< 10	410	< 1	< 5	5.8	< 1	8	23	25	2.4	0.30	1.5	320	< 2	0.03	32	730	20	15	3	< 10	130	380	31	< 10	10	120	5
27806	< 1	1.1	15	< 10	390	< 1	< 5	5.0	< 1	8	20	23	2.5	0.33	1.4	340	< 2	0.02	27	960	20	10	3	< 10	130	380	31	< 10	10	100	4
27807	< 1	1.4	20	< 10	390	< 1	< 5	4.8	< 1	8	27	23	2.6	0.33	1.4	310	< 2	0.05	30	760	15	< 5	4	< 10	130	560	34	< 10	9	100	6
27808	< 1	1.5	10	< 10	430	< 1	< 5	4.3	< 1	10	32	22	3.1	0.36	1.5	410	< 2	0.05	34	870	23	< 5	4	< 10	120	590	39	< 10	11	110	4
27809	< 1	1.4	20	< 10	520	< 1	< 5	2.8	< 1	13	29	38	2.9	0.26	0.95	690	< 2	0.03	35	640	20	< 5	4	< 10	82	400	39	< 10	19	84	3
27810	< 1	1.2	15	< 10	470	< 1	< 5	2.4	< 1	10	23	38	2.4	0.20	0.67	490	< 2	0.03	30	560	18	5	3	< 10	70	310	40	< 10	16	71	2
27811	< 1	0.94	15	< 10	320	< 1	< 5	5.3	2	9	20	33	2.5	0.17	1.4	350	< 2	0.02	27	670	16	5	3	< 10	120	300	25	< 10	9	94	5
27812	< 1	1.0	15	< 10	500	< 1	< 5	4.9	1	10	23	44	3.1	0.22	1.5	410	< 2	0.03	34	790	21	< 5	3	< 10	120	370	30	< 10	10	100	6
27813	< 1	0.70	15	< 10	520	< 1	< 5	5.4	1	8	20	23	2.4	0.10	1.4	330	< 2	0.01	26	920	14	< 5	2	< 10	130	210	22	< 10	11	79	5
27814	< 1	1.1	25	< 10	560	< 1	< 5	4.3	1	12	23	32	2.8	0.27	1.4	510	< 2	0.04	34	900	20	< 5	4	< 10	130	400	38	< 10	13	110	5
27820	< 1	0.97	25	< 10	620	< 1	< 5	2.0	< 1	11	26	25	2.7	0.24	1.1	520	< 2	0.03	33	1000	23	10	4	< 10	72	320	39	< 10	19	110	3
27821	< 1	1.5	15	< 10	520	< 1	< 5	4.2	< 1	11	29	32	2.7	0.27	1.5	400	< 2	0.03	34	780	19	< 5	4	< 10	110	520	37	< 10	11	100	5
27822	< 1	1.0	15	< 10	470	< 1	< 5	5.2	1	10	24	30	2.5	0.27	1.4	370	< 2	0.02	31	830	18	10	3	< 10	130	410	31	< 10	10	98	7
27823	< 1	1.1	15	< 10	480	< 1	< 5	2.1	1	9	23	24	2.4	0.16	0.68	290	< 2	0.02	29	420	15	< 5	3	< 10	62	260	37	< 10	9	85	3
27824	< 1	0.68	20	< 10	620	< 1	< 5	3.2	1	7	20	25	2.1	0.13	0.92	370	< 2	0.01	37	1000	11	< 5	2	< 10	110	240	35	< 10	9	160	4
27825	< 1	0.61	10	< 10	600	< 1	< 5	3.2	1	7	18	26	1.7	0.16	0.76	330	6	0.01	35	990	12	< 5	2	< 10	110	210	35	< 10	9	150	4
27826	< 1	0.60	10	< 10	630	< 1	< 5	3.8	2	7	18	30	1.8	0.13	0.85	320	6	0.01	38	920	18	< 5	2	< 10	110	210	32	< 10	9	180	3
27827	< 1	0.55	10	< 10	700	< 1	< 5	2.5	2	7	17	33	1.9	0.12	0.70	310	6	<0.01	41	1100	14	< 5	2	< 10	98	180	36	< 10	9	190	3
27828	< 1	0.52	25	< 10	900	< 1	< 5	2.8	2	7	16	37	2.0	0.17	0.74	230	8	<0.01	47	1100	15	< 5	2	< 10	110	160	35	< 10	9	240	4
27829	< 1	0.56	15	< 10	750	< 1	< 5	2.9	3	6	16	30	1.7	0.12	0.73	250	6	<0.01	41	920	11	< 5	2	< 10	110	160	37	< 10	9	220	3
27830	< 1	0.58	15	< 10	810	< 1	< 5	2.6	2	7	18	28	1.7	0.13	0.75	230	6	<0.01	41	1000	11	< 5	2	< 10	96	200	38	< 10	9	190	3
27831	< 1	0.61	15	< 10	700	< 1	< 5	2.8	2	7	17	30	1.8	0.14	0.74	270	4	<0.01	43	980	14	< 5	2	< 10	100	190	39	< 10	9	210	4
27832	< 1	0.48	15	< 10	750	< 1	< 5	1.6	1	6	15	29	1.7	0.09	0.61	160	8	<0.01	37	1100	9	< 5	2	< 10	84	130	38	< 10	8	190	3

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

TSL/91

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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:GNZGC AZIMUTH
S3405

REPORT No. : M9842
Page No. : 1 of 1
File No. : SE27MA
Date : SEP-30-1991

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
27815	< 1	0.28	< 5	< 10	41	2	< 5	0.33	< 1	< 1	24	3	1.8	0.19	0.04	420	4	0.03	2	130	47	< 5	2	< 10	10	11	< 1	< 10	34	46	12
27816	< 1	0.27	< 5	< 10	45	2	< 5	0.27	< 1	< 1	32	2	1.9	0.19	0.03	430	4	0.03	< 1	130	17	< 5	3	< 10	10	17	< 1	< 10	35	48	12
27817	< 1	0.24	< 5	< 10	50	2	< 5	0.18	< 1	< 1	27	2	1.9	0.19	0.03	400	4	0.03	1	160	17	< 5	2	< 10	7	18	< 1	< 10	26	52	11
27818	< 1	0.27	< 5	< 10	52	2	< 5	0.14	< 1	< 1	37	3	1.9	0.31	0.03	430	4	0.03	1	190	16	< 5	2	< 10	6	18	< 1	< 10	27	58	11
27819	< 1	0.25	< 5	< 10	52	2	< 5	0.11	< 1	< 1	32	4	1.9	0.24	0.03	400	4	0.03	1	200	14	< 5	2	< 10	5	18	< 1	< 10	17	60	13

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

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APPENDIX VII
Analytical Results - 400 Zone

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. S3406

INVOICE #: 18411
P.O.: R3537

SAMPLE(S) OF: Rock

L. Haynes
Project GNZCC\Azimuth

REMARKS: Azimuth Geological Inc. 400 Zone

	Au ppb
27833	<5
27834	<5
27835	<5
27836	<5
27837	<5
27838	<5

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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. S3481

INVOICE #: 18473
P.O.: R3540

SAMPLE(S) OF Soil

L. Haynes
Project GNZ(C\Azimuth

REMARKS: Azimuth Geological Inc.

	Au ppb
27839	5
27840	5
27841	5
27842	5
27843	5
27844	5

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808 West Hastings St.
PROJ:GNZGC AZIMUTH
S3406

T S L LABORATORIES

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PHONE #: (306) 931 - 1033 FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

REPORT No. : **M9843**
Page No. : 1 of 1
File No. : SE27MA
Date : SEP-30-1991

SAMPLE #	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
27833	< 1	1.8	< 5	< 10	43	< 1	10	2.8	< 1	19	73	27	5.1	0.11	1.1	800	< 2	0.08	37	1900	3	< 5	6	< 10	88	520	110	< 10	15	66	11
27834	< 1	1.7	< 5	< 10	81	< 1	10	2.1	1	23	83	30	5.8	0.03	0.92	970	2	0.14	44	2000	< 1	< 5	8	< 10	91	950	130	< 10	16	79	12
27835	< 1	1.8	< 5	< 10	79	< 1	10	2.2	2	22	79	30	5.6	0.09	1.1	910	< 2	0.11	43	2000	2	< 5	7	< 10	83	640	130	< 10	16	62	13
27836	< 1	1.9	< 5	< 10	75	< 1	15	1.7	< 1	23	85	31	6.0	0.10	1.2	870	< 2	0.11	44	2100	3	< 5	6	< 10	74	760	130	< 10	16	76	12
27837	< 1	1.9	10	< 10	100	1	15	2.0	1	24	80	31	5.8	0.08	1.2	930	2	0.12	45	2100	3	< 5	7	< 10	85	1300	130	< 10	16	74	13
27838	< 1	2.1	< 5	< 10	70	1	< 5	4.6	< 1	18	64	24	5.0	0.10	1.4	1100	2	0.11	36	1700	< 1	< 5	5	< 10	99	1300	110	< 10	15	65	11

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

TSL/91

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T S L LABORATORIES

2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4

PHONE #: (306) 931 - 1033 FAX #: (306) 242 - 4717

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808 West Hastings St.

PROJ:GNZGC AZIMUTH

S3481

REPORT No. : **M9872**

Page No. : 1 of 1

File No. : OC01MA

Date : OCT-02-1991

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

SAMPLE #	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sn	Sr	Ti	V	W	Y	Zn	Zr
	PPM	%	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	%	%	%	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
27839	< 1	0.94	10	< 10	290	< 1	< 5	1.3	1	7	22	34	2.1	0.20	0.48	350	< 2	0.02	31	510	13	< 5	3	< 10	55	110	34	< 10	11	95	4
27840	< 1	1.0	15	< 10	210	< 1	5	0.93	< 1	10	29	16	2.9	0.24	0.47	510	< 2	0.02	24	650	18	< 5	4	< 10	49	120	41	< 10	12	100	4
27841	< 1	0.94	15	< 10	200	< 1	< 5	0.98	< 1	9	26	18	2.8	0.21	0.42	540	< 2	0.02	22	910	12	< 5	4	< 10	57	120	38	< 10	12	91	4
27842	< 1	1.4	25	< 10	420	< 1	< 5	2.7	< 1	12	36	41	3.1	0.32	0.75	510	< 2	0.03	39	640	18	< 5	5	< 10	69	390	46	< 10	13	110	4
27843	< 1	1.5	15	< 10	400	< 1	< 5	1.0	< 1	11	41	39	3.1	0.35	0.72	470	< 2	0.03	40	480	18	< 5	6	< 10	42	480	53	< 10	14	95	5
27844	< 1	1.9	5	< 10	420	< 1	< 5	1.0	< 1	13	51	44	3.4	0.47	0.91	470	< 2	0.06	48	460	18	< 5	7	< 10	44	600	66	< 10	18	100	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

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APPENDIX VIII
Analytical Results - 410 Zone

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. S3480

INVOICE #: 18471
P.O.: R3539

SAMPLE(S) OF Soil

L. Haynes
Project GNZCC\Azimuth

REMARKS: Azimuth Geological Inc.

	Au ozt
27845	5
27846	<5
27847	<5
27848	<5
27849	<5
27850	5
27851	<5
27852	<5
27853	<5
27854	5
27855	<5
27856	<5
27857	<5
27858	<5
27859	<5
27860	5
27861	5
27862	<5
27863	<5
27864	<5

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S7K 6A4
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CERTIFICATE OF ANALYSIS

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

REPORT No. S3480

INVOICE #: 18471
P.O.: R3539

SAMPLE(S) OF: Soil

L. Haynes
Project GNZGC\Azimuth

REMARKS: Azimuth Geological Inc.

	Au ozt
27865	10
27866	5
27867	5
27868	10
27869	10
27870	5
27871	10
27872	10
27873	5
27874	25
27875	5
27876	<5
27877	5
27878	5
27879	<5
27880	5
27881	5
27882	10
27883	5
27884	<5

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10th Floor-Box 10
808 West Hastings Street
Vancouver, B.C. V6C 2X6

REPORT No. S3480

INVOICE #: 18471
P.O.: R3539

SAMPLE(S) OF Soil

L. Haynes
Project GNZGC\Azimuth

REMARKS: Azimuth Geological Inc.

	Au ozt
27885	5
27886	5
27887	5

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CERTIFICATE OF ANALYSIS

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

REPORT No. S3402

INVOICE #: 18409
P.O.: R3533

SAMPLE(S) OF Rock

L. Haynes
Project: GNEGC Azimuth

REMARKS: Azimuth Geological Inc. 410 Zone

	Au ppb
27888	5
27889	70
27890	5
27891	<5
27892	25
27893	5
27894	<5
27895	5
27896	10
27897	5
27898	5
27899	<5
27900	5
27901	<5
27902	<5
27903	5
27904	10
27905	<5
27906	<5
27907	5

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CERTIFICATE OF ANALYSIS

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

REPORT No. S3402

INVOICE #: 18409
P.O.: R3533

SAMPLE(S) OF: Rock

L. Haynes
Project: GNZGC Azimuth

REMARKS: Azimuth Geological Inc. 410 Zone

	Au ppb
27908	<5
27909	<5
27910	<5
27911	5
27912	5
27913	15
27914	15
27915	5
27916	5
27917	<5
27918	15
27919	10
27920	<5
27921	<5
27922	<5
27923	<5
27924	<5
27925	<5
27926	5
27927	<5

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CERTIFICATE OF ANALYSIS

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

REPORT No. S3402

INVOICE #: 18409
P.O.: R3533

SAMPLE(S) OF: Rock

L. Haynes
Project: GNZGC Azimuth

REMARKS: Azimuth Geological Inc. 410 Zone

	Au ppb
27928	<5
27929	<5
27930	<5
27931	<5

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INVOICE TO: Prime Exploration - Vancouver

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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:GNZGC AZIMUTH
S3480

REPORT No. : **M9874**
Page No. : 1 of 2
File No. : OC01MA
Date : OCT-02-1991

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
27845	< 1	0.78	15	< 10	370	< 1	< 5	2.5	1	9	24	40	2.1	0.20	0.66	370	< 2	0.01	36	610	16	< 5	3	< 10	88	110	26	< 10	8	77	5
27846	< 1	0.72	25	< 10	360	< 1	< 5	2.3	< 1	9	21	32	2.3	0.16	0.67	430	< 2	0.01	31	780	21	< 5	3	< 10	92	120	21	< 10	10	89	5
27847	< 1	0.73	15	< 10	240	< 1	< 5	2.0	< 1	7	22	28	2.2	0.11	0.62	370	< 2	0.01	27	760	15	< 5	3	< 10	90	120	23	< 10	10	78	4
27848	< 1	0.78	25	< 10	340	< 1	< 5	2.7	< 1	8	23	37	2.8	0.20	0.65	350	< 2	0.01	33	770	33	< 5	5	< 10	96	66	28	< 10	14	140	6
27849	< 1	1.0	25	< 10	220	< 1	< 5	2.8	< 1	9	25	39	3.0	0.22	0.54	410	< 2	0.01	32	880	26	< 5	4	< 10	110	74	26	< 10	12	120	6
27850	< 1	0.77	15	< 10	250	< 1	< 5	2.0	< 1	10	22	30	2.4	0.17	0.49	510	< 2	0.01	30	770	18	< 5	4	< 10	73	74	20	< 10	10	94	5
27851	< 1	0.73	20	< 10	230	< 1	< 5	2.1	1	10	22	30	2.5	0.15	0.51	530	< 2	0.01	32	750	18	< 5	3	< 10	82	92	21	< 10	10	99	6
27852	< 1	0.93	20	< 10	350	< 1	< 5	0.55	< 1	8	26	31	2.9	0.15	0.43	390	< 2	0.02	30	280	28	< 5	6	< 10	55	38	30	< 10	22	100	4
27853	< 1	0.75	25	< 10	420	< 1	< 5	2.5	< 1	8	23	32	2.1	0.16	0.63	380	< 2	0.01	35	690	15	< 5	3	< 10	84	140	25	< 10	10	79	5
27854	< 1	0.73	20	< 10	380	< 1	< 5	2.7	< 1	10	23	33	2.2	0.17	0.68	410	< 2	0.02	52	750	14	< 5	3	< 10	94	140	26	< 10	9	81	6
27855	< 1	0.60	15	< 10	200	< 1	< 5	3.6	1	8	17	27	2.2	0.08	0.52	410	< 2	0.02	24	660	23	< 5	3	< 10	140	68	16	< 10	9	87	3
27856	< 1	0.62	20	< 10	180	< 1	< 5	1.7	1	9	19	29	2.4	0.10	0.51	480	< 2	0.01	29	790	24	< 5	3	< 10	78	68	18	< 10	9	96	6
27857	< 1	0.73	10	< 10	310	< 1	< 5	4.7	< 1	7	22	32	2.0	0.15	0.55	370	< 2	0.01	28	590	19	< 5	4	< 10	150	100	23	< 10	11	87	6
27858	< 1	0.91	20	< 10	350	< 1	< 5	1.2	< 1	6	26	33	2.6	0.17	0.46	300	< 2	0.01	27	770	30	< 5	6	< 10	83	88	24	< 10	17	130	6
27859	< 1	0.77	15	< 10	240	< 1	< 5	0.39	< 1	6	24	18	2.6	0.14	0.32	250	< 2	0.02	22	380	23	< 5	5	< 10	32	75	25	< 10	15	81	4
27860	< 1	0.90	15	< 10	320	< 1	< 5	7.8	1	6	22	24	2.2	0.21	0.64	330	< 2	0.02	26	590	32	< 5	4	< 10	170	68	25	< 10	11	110	4
27861	< 1	0.98	15	< 10	220	< 1	< 5	3.1	1	8	22	30	2.6	0.20	0.61	360	< 2	0.02	28	690	21	< 5	4	< 10	110	54	23	< 10	11	90	3
27862	< 1	1.1	20	< 10	570	< 1	< 5	1.3	< 1	9	32	22	2.7	0.25	0.55	350	< 2	0.03	34	540	18	< 5	4	< 10	67	240	39	< 10	15	77	4
27863	< 1	0.69	15	< 10	330	< 1	< 5	2.6	< 1	7	20	24	2.1	0.15	0.54	460	< 2	0.02	30	670	11	< 5	3	< 10	81	140	21	< 10	10	84	5
27864	< 1	0.79	15	< 10	190	< 1	< 5	2.9	1	9	22	30	2.4	0.19	0.54	500	< 2	0.03	29	790	17	< 5	4	< 10	90	92	21	< 10	10	98	6
27865	< 1	1.0	60	< 10	270	< 1	< 5	1.6	< 1	15	24	40	3.3	0.22	0.54	710	< 2	0.01	42	960	33	< 5	4	< 10	85	66	19	< 10	12	130	5
27866	< 1	0.77	20	< 10	190	< 1	< 5	1.1	< 1	8	23	30	2.5	0.13	0.50	400	< 2	<0.01	28	830	22	< 5	4	< 10	59	84	23	< 10	12	100	5
27867	< 1	0.96	15	< 10	270	< 1	< 5	2.1	< 1	8	27	38	2.7	0.20	0.63	340	< 2	0.01	30	900	16	< 5	4	< 10	86	140	29	< 10	13	90	6
27868	< 1	0.65	30	< 10	280	< 1	< 5	2.5	< 1	9	21	28	2.2	0.13	0.52	470	< 2	0.01	30	740	17	< 5	3	< 10	87	110	20	< 10	10	85	5
27869	< 1	0.60	30	< 10	310	< 1	< 5	2.4	< 1	7	20	36	2.1	0.14	0.48	430	4	0.01	27	680	15	< 5	3	< 10	77	120	20	< 10	9	80	4
27870	< 1	0.80	20	< 10	390	< 1	< 5	3.0	< 1	8	23	27	2.2	0.20	0.54	480	< 2	0.02	31	680	17	< 5	3	< 10	89	140	24	< 10	10	86	5
27871	< 1	0.59	25	< 10	330	< 1	< 5	2.4	< 1	9	19	35	2.0	0.11	0.49	420	4	0.03	32	670	14	< 5	3	< 10	74	120	24	< 10	8	74	6
27872	< 1	0.72	30	< 10	270	< 1	< 5	2.0	< 1	10	21	34	2.3	0.17	0.54	500	< 2	0.02	34	770	23	< 5	3	< 10	79	93	20	< 10	10	98	6
27873	< 1	0.83	15	< 10	660	< 1	< 5	3.9	1	8	28	35	2.2	0.18	0.92	380	< 2	0.02	35	880	16	< 5	3	< 10	110	260	37	< 10	10	84	4
27874	< 1	0.84	90	< 10	330	< 1	< 5	2.2	1	11	25	37	3.9	0.16	0.64	440	< 2	0.02	34	990	45	< 5	4	< 10	93	150	26	< 10	13	130	7
27875	< 1	0.65	10	< 10	500	< 1	< 5	3.1	1	7	20	28	2.0	0.17	0.88	340	< 2	0.02	31	730	17	< 5	3	< 10	110	190	25	< 10	9	82	5
27876	< 1	0.57	20	< 10	240	< 1	< 5	1.8	1	7	16	23	2.1	0.14	0.47	410	4	0.02	26	660	14	< 5	3	< 10	70	75	20	< 10	9	76	4
27877	< 1	1.6	45	< 10	410	1	< 5	0.58	< 1	21	29	43	3.6	0.29	0.72	740	< 2	0.02	57	700	42	< 5	4	< 10	65	23	22	< 10	11	130	4
27878	< 1	1.0	30	< 10	200	< 1	< 5	1.9	< 1	15	24	37	2.9	0.22	0.65	670	< 2	0.01	37	890	26	< 5	4	< 10	100	75	23	< 10	11	120	5
27879	< 1	0.75	25	< 10	170	< 1	< 5	1.7	< 1	11	21	32	2.4	0.11	0.51	530	< 2	0.02	31	800	21	< 5	3	< 10	74	66	19	< 10	10	100	4

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

TSL/91

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PRIME EXPLORATION LTD.
10th Floor Box 10
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S3480

T S L LABORATORIES

2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
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I.C.A.P. PLASMA SCAN

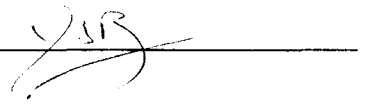
Aqua-Regia Digestion

REPORT No. : **M9874**
Page No. : 2 of 2
File No. : OC01MA
Date : OCT-02-1991

SAMPLE #	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
27880	< 1	0.68	20	< 10	320	< 1	< 5	4.8	< 1	9	20	30	2.0	0.15	0.52	370	2	0.02	31	670	15	< 5	3	< 10	130	110	21	< 10	8	68	3
27881	< 1	0.64	10	< 10	340	< 1	< 5	2.5	< 1	7	21	28	2.0	0.15	0.61	370	4	0.01	30	730	12	< 5	3	< 10	82	130	22	< 10	9	70	5
27882	< 1	0.72	20	< 10	360	< 1	< 5	2.6	< 1	8	21	26	2.1	0.20	0.63	450	< 2	0.01	31	720	14	< 5	3	< 10	86	150	21	< 10	10	82	6
27883	< 1	0.80	15	< 10	350	< 1	< 5	2.6	< 1	9	23	27	2.3	0.25	0.64	490	< 2	0.01	30	680	16	< 5	3	< 10	89	110	22	< 10	10	86	7
27884	< 1	1.0	10	< 10	460	< 1	< 5	3.3	< 1	7	29	34	2.2	0.27	0.73	350	< 2	0.02	37	720	13	< 5	4	< 10	100	110	32	< 10	10	87	6
27885	< 1	0.96	15	< 10	440	< 1	< 5	2.9	1	9	31	36	2.2	0.34	0.71	380	< 2	0.02	40	630	14	< 5	4	< 10	98	110	31	< 10	10	130	6
27886	< 1	0.89	15	< 10	400	< 1	< 5	2.5	< 1	10	27	32	2.1	0.19	0.65	410	< 2	0.01	35	610	16	< 5	3	< 10	85	130	29	< 10	9	81	4
27887	< 1	0.79	20	< 10	510	< 1	< 5	2.5	< 1	8	26	34	2.0	0.17	0.68	400	< 2	0.01	37	720	12	< 5	3	< 10	87	180	32	< 10	9	79	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 : 

T S L LABORATORIES

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REPORT No. : **M9840**
Page No. : 1 of 2
File No. : SE27MA
Date : SEP-30-1991

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
27888	< 1	0.38	20	< 10	67	< 1	< 5	0.07	< 1	< 1	35	8	1.7	0.22	0.04	200	4	0.04	2	120	28	< 5	< 1	< 10	11	11	< 1	< 10	7	39	6
27889	< 1	0.24	10	< 10	110	< 1	< 5	0.07	< 1	< 1	42	7	1.6	0.22	0.03	70	6	0.05	2	90	51	< 5	< 1	< 10	21	4	< 1	< 10	4	25	3
27890	< 1	0.19	< 5	< 10	77	< 1	< 5	0.09	< 1	1	46	6	2.4	0.10	0.05	490	6	0.03	2	150	27	< 5	1	< 10	13	4	< 1	< 10	6	92	2
27891	< 1	1.0	< 5	< 10	64	1	< 5	1.3	< 1	6	32	5	3.2	0.14	0.42	720	4	0.02	7	710	21	< 5	2	< 10	81	12	12	< 10	11	96	4
27892	< 1	0.38	15	< 10	61	< 1	< 5	0.98	< 1	2	30	6	2.8	0.28	0.09	120	2	0.05	2	170	31	5	< 1	< 10	49	4	3	< 10	3	63	4
27893	< 1	2.3	< 5	< 10	130	2	< 5	3.9	1	19	44	20	5.5	0.21	1.4	1100	< 2	0.02	34	1900	14	< 5	8	< 10	220	140	66	< 10	16	71	11
27894	< 1	1.3	25	< 10	100	2	< 5	3.8	< 1	18	22	18	5.5	0.21	1.1	1300	2	0.02	23	2200	64	< 5	6	< 10	270	30	39	< 10	17	180	7
27895	< 1	0.42	15	< 10	62	< 1	< 5	0.44	< 1	3	28	6	2.6	0.14	0.15	750	2	0.03	4	350	39	< 5	2	< 10	32	6	4	< 10	7	150	2
27896	< 1	0.27	20	< 10	100	< 1	< 5	0.14	< 1	< 1	29	6	2.3	0.35	0.02	100	6	0.04	< 1	110	61	< 5	< 1	< 10	18	3	1	< 10	3	56	1
27897	< 1	0.28	15	< 10	84	< 1	< 5	0.22	< 1	< 1	36	9	2.2	0.29	0.02	42	6	0.03	< 1	100	23	< 5	< 1	< 10	14	5	< 1	< 10	3	45	2
27898	< 1	0.22	< 5	< 10	53	< 1	< 5	0.31	< 1	< 1	44	9	2.1	0.19	<0.01	82	6	0.03	< 1	84	20	< 5	< 1	< 10	12	4	< 1	< 10	3	74	2
27899	< 1	0.35	5	< 10	53	1	< 5	0.07	< 1	1	34	9	2.2	0.19	0.03	780	6	0.02	2	120	24	< 5	< 1	< 10	10	5	< 1	< 10	8	140	2
27900	< 1	0.22	25	< 10	49	< 1	< 5	0.10	< 1	< 1	36	7	2.2	0.19	0.02	500	6	0.02	1	110	19	< 5	< 1	< 10	13	5	< 1	< 10	6	96	2
27901	< 1	0.72	5	< 10	59	1	< 5	0.12	< 1	1	57	6	2.2	0.21	0.06	500	2	0.03	2	130	24	< 5	1	< 10	13	13	2	< 10	9	98	2
27902	< 1	0.74	< 5	< 10	48	1	< 5	0.58	< 1	1	34	7	2.3	0.15	0.06	630	2	0.02	1	110	24	< 5	1	< 10	13	10	2	< 10	11	160	3
27903	< 1	0.61	< 5	< 10	38	1	< 5	1.9	< 1	< 1	24	6	2.2	0.16	0.04	200	6	0.02	< 1	70	22	< 5	1	< 10	26	8	2	< 10	5	56	4
27904	< 1	0.26	10	< 10	81	< 1	< 5	0.24	< 1	< 1	40	6	1.8	0.19	0.01	100	6	0.03	1	86	20	< 5	< 1	< 10	19	4	< 1	< 10	4	47	2
27905	< 1	0.59	< 5	< 10	57	1	< 5	0.21	< 1	< 1	35	8	2.2	0.23	0.07	620	2	0.02	1	140	21	< 5	1	< 10	11	11	1	< 10	11	96	2
27906	< 1	0.82	< 5	< 10	57	1	< 5	0.20	< 1	1	36	6	2.4	0.27	0.08	530	< 2	0.02	2	160	22	< 5	1	< 10	10	11	2	< 10	9	84	3
27907	< 1	0.29	10	< 10	90	< 1	< 5	0.04	< 1	< 1	29	1	1.6	0.32	0.01	72	6	0.03	1	80	37	< 5	< 1	< 10	20	4	< 1	< 10	4	18	1
27908	< 1	0.77	15	< 10	47	1	< 5	0.26	< 1	2	49	7	2.4	0.27	0.13	520	2	0.02	2	230	23	< 5	2	< 10	15	13	3	< 10	13	85	3
27909	< 1	0.72	< 5	< 10	46	< 1	< 5	0.04	< 1	1	34	7	2.4	0.20	0.07	470	< 2	0.02	2	170	24	< 5	1	< 10	3	11	2	< 10	11	93	2
27910	< 1	0.60	10	< 10	48	< 1	< 5	0.03	< 1	< 1	27	6	2.2	0.19	0.05	320	< 2	0.02	< 1	160	27	< 5	< 1	< 10	5	9	2	< 10	8	71	2
27911	< 1	0.30	20	< 10	64	< 1	< 5	0.02	< 1	< 1	46	4	1.9	0.19	0.02	94	4	0.04	< 1	98	22	< 5	< 1	< 10	6	7	< 1	< 10	5	39	< 1
27912	< 1	0.30	35	< 10	78	< 1	< 5	0.02	< 1	< 1	37	5	2.4	0.22	0.02	60	6	0.04	< 1	130	27	< 5	< 1	< 10	8	8	2	< 10	3	35	2
27913	< 1	0.24	20	< 10	92	< 1	< 5	0.02	< 1	< 1	42	2	1.0	0.32	0.01	20	< 2	0.03	< 1	66	46	< 5	< 1	< 10	8	3	< 1	< 10	3	16	< 1
27914	< 1	0.33	40	< 10	72	< 1	< 5	0.03	< 1	< 1	35	5	2.1	0.22	0.02	180	4	0.04	< 1	120	44	< 5	< 1	< 10	11	5	< 1	< 10	4	49	1
27915	< 1	0.40	40	< 10	59	< 1	< 5	0.07	< 1	< 1	39	7	2.1	0.23	0.02	240	4	0.03	< 1	140	39	< 5	< 1	< 10	11	5	< 1	< 10	4	56	2
27916	< 1	0.40	35	< 10	45	< 1	< 5	0.02	< 1	< 1	35	5	2.0	0.17	0.03	220	6	0.03	1	120	27	< 5	< 1	< 10	6	7	< 1	< 10	4	71	2
27917	< 1	0.60	20	< 10	40	< 1	< 5	0.10	< 1	< 1	41	7	2.2	0.18	0.07	450	< 2	0.02	1	150	23	< 5	1	< 10	4	10	2	< 10	8	84	2
27918	< 1	0.50	< 5	< 10	36	< 1	< 5	<0.01	< 1	1	36	5	1.4	0.17	0.05	160	6	0.03	3	98	28	< 5	< 1	< 10	5	9	2	< 10	8	38	5
27919	< 1	0.43	15	< 10	54	< 1	< 5	0.57	< 1	< 1	35	5	1.9	0.18	0.03	200	6	0.03	1	74	22	< 5	< 1	< 10	17	8	< 1	< 10	4	40	2
27920	< 1	0.47	5	< 10	42	< 1	< 5	0.34	< 1	< 1	40	4	2.0	0.12	0.05	390	4	0.02	1	120	17	< 5	< 1	< 10	9	10	< 1	< 10	7	84	2
27921	< 1	0.68	< 5	< 10	44	< 1	< 5	0.89	< 1	< 1	35	6	2.3	0.17	0.09	670	2	0.02	2	130	30	< 5	1	< 10	36	11	2	< 10	10	110	3
27922	< 1	0.71	5	< 10	47	< 1	< 5	0.20	< 1	< 1	36	5	2.3	0.17	0.08	590	< 2	0.02	1	120	25	< 5	1	< 10	12	14	2	< 10	11	98	3

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

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TSL/91

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
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REPORT No. : M9840
Page No. : 2 of 2
File No. : SE27MA
Date : SEP-30-1991

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
27923	< 1	1.2	< 5	< 10	57	< 1	< 5	0.55	< 1	4	57	7	3.0	0.23	0.39	530	4	0.03	7	480	21	< 5	2	< 10	30	25	18	< 10	11	70	4
27924	< 1	0.63	15	< 10	40	< 1	< 5	0.24	< 1	< 1	43	5	2.3	0.18	0.09	370	2	0.02	1	180	22	< 5	1	< 10	9	11	2	< 10	8	70	3
27925	< 1	0.36	20	< 10	57	< 1	< 5	0.03	< 1	< 1	27	4	2.0	0.28	0.02	66	6	0.02	< 1	140	22	< 5	< 1	< 10	11	6	< 1	< 10	4	27	1
27926	< 1	0.40	30	< 10	73	< 1	< 5	<0.01	< 1	< 1	21	4	2.2	0.38	0.02	41	6	0.03	< 1	120	29	< 5	< 1	< 10	11	4	< 1	< 10	3	26	2
27927	< 1	0.42	10	< 10	32	< 1	< 5	<0.01	< 1	< 1	25	3	1.5	0.20	0.03	120	< 2	0.02	< 1	100	16	< 5	< 1	< 10	4	6	1	< 10	3	30	1
27928	< 1	0.88	< 5	< 10	44	< 1	< 5	0.21	< 1	2	45	5	2.6	0.23	0.16	450	< 2	0.04	2	220	20	< 5	2	< 10	13	18	4	< 10	8	63	3
27929	< 1	0.67	10	< 10	47	< 1	< 5	0.10	< 1	< 1	29	6	2.4	0.15	0.06	380	< 2	0.02	< 1	130	26	< 5	< 1	< 10	3	10	2	< 10	7	80	3
27930	< 1	1.2	5	< 10	210	1	10	0.45	1	12	39	37	3.1	0.31	0.48	620	2	0.02	55	630	17	< 5	4	< 10	50	8	20	< 10	10	100	5
27931	< 1	1.0	< 5	< 10	110	< 1	< 5	1.3	< 1	5	47	12	2.2	0.15	0.37	400	< 2	0.02	20	520	12	< 5	2	< 10	130	8	18	< 10	7	45	3

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

TSL/91

SIGNED : _____