MAP NO.: 105 G 5, 6

ASSESSMENT REPORT X
PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 093017
MINING DISTRICT: WATSON LAKE
TYPE OF WORK: GEOCHEMICAL, GEOLOGICAL

REPORT FILED UNDER: COMINCO LIMITED

DATE PERFORMED: AUG 13-28 SEPT 2-4 1991 **DATE FILED:** MARCH 26, 1992

LOCATION: **LAT.:** 61°20'N **AREA:** MT. VERMILLION

LONG.: 131°30'W **VALUE $:** 49,250

CLAIM NAME & NO.: FOX 1-89 YB16912-17000 FOX 90-93 YB33001-YB33004
WOLF 1-18 YB16894-YB16911
LYNX 1-14 YB33211-YB33224

WORK DONE BY: Paul MacRobbie

WORK DONE FOR: Cominco Ltd.

DATE TO GOOD STANDING:

REMARKS: 105G 008 HASSELBERG. COMINCO COLLECTED 775 CONTOUR AND GRID SAMPLES FROM THE THREE PROPERTIES. 68 ROCK SAMPLES WERE ALSO COLLECTED. LARGE SOIL ANOMALIES HAVE BEEN OUTLINED.

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS 105 G/5, 6

OFFICE OF THE REGIONAL MANAGER
MINERAL RIGHTS
APR 07 1992
WHITEHORSE
YUKON TERRITORY

1991 ASSESSMENT REPORT

FOX-WOLF-LYNX PROPERTY

SOIL GEOCHEMISTRY AND GEOLOGICAL MAPPING

WATSON LAKE M.D., YUKON

093017

McNEIL RIVER AREA, PELLY MOUNTAINS

LATITUDE: 61°20'N

LONGITUDE: 131°30'W

WORK PERIOD

AUG. 13-28, SEPT. 2-4, 1991

RECEIVED
MAR 26 1992
Mining Recorder
WATSON LAKE, Y.T.
L.A. & N.D.

JANUARY, 1992

PAUL A. MACROBBIE

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FIGURE 1 LOCATION MAP 2

TABLE 1 STRATIGRAPHIC COLUMN 5

ATTACHMENTS

PLATE 91-1 . . . . . CLAIM MAP (1:5,000)

PLATE 91-2 . . . . . GEOLOGY MAP (1:5,000)

PLATE 91-3 . . . . . SOIL GEOCHEMISTRY : 1991 SAMPLE LOCATIONS (1:5,000)

APPENDIX 1 . . . . . STATEMENT OF EXPENDITURES

APPENDIX 2 . . . . . STATEMENT OF QUALIFICATIONS

APPENDIX 3 . . . . . 1991 SOIL GEOCHEMISTRY

APPENDIX 4 . . . . . 1991 ROCK GEOCHEMISTRY

Cominco Ltd.

Exploration
NTS: 105 G/5, 6

Western Canada
January, 1992

1991 ASSESSMENT REPORT

FOX-WOLF-LYNX PROPERTY, YUKON TERRITORY

1. SUMMARY

Devono-Mississippian volcanics form a 130 x 5 km arcuate belt of intermediate and felsic, fine to coarse tuff and minor massive flows with intercalated tuffaceous mudstone and black shale in the Pelly Mountains and host numerous VMS showings, the most significant being the MM located 60 km west of the FOX-WOLF-LYNX. The FOX-WOLF-LYNX properties cover a 21 x 2 km portion of this belt.

The FOX-WOLF-LYNX claims were staked in 1990. The FOX claims were staked by Cominco Ltd.; the WOLF and LYNX claims were staked by Archer Cathro and Assoc. Ltd. In 1991, Cominco Ltd. optioned the WOLF and LYNX claims from YGC Resources Ltd.

In August and early September, 1991, Cominco carried out a contour and grid soil geochemistry survey (775 samples) and minor detailed geological mapping over the Mt. Vermillion area to define soil anomalies identified by previous owners.

2. LOCATION AND ACCESS

The FOX-WOLF-LYNX property is located south of the Hoole River and east of McNeil Lake at Lat. 62°20'N and Long. 131°20'W 90 km SE from Ross River, Yukon (Fig. 1). Access is by helicopter from Ross River with mobilization from an airstrip on the Robert Campbell Highway 55 km to the NE.

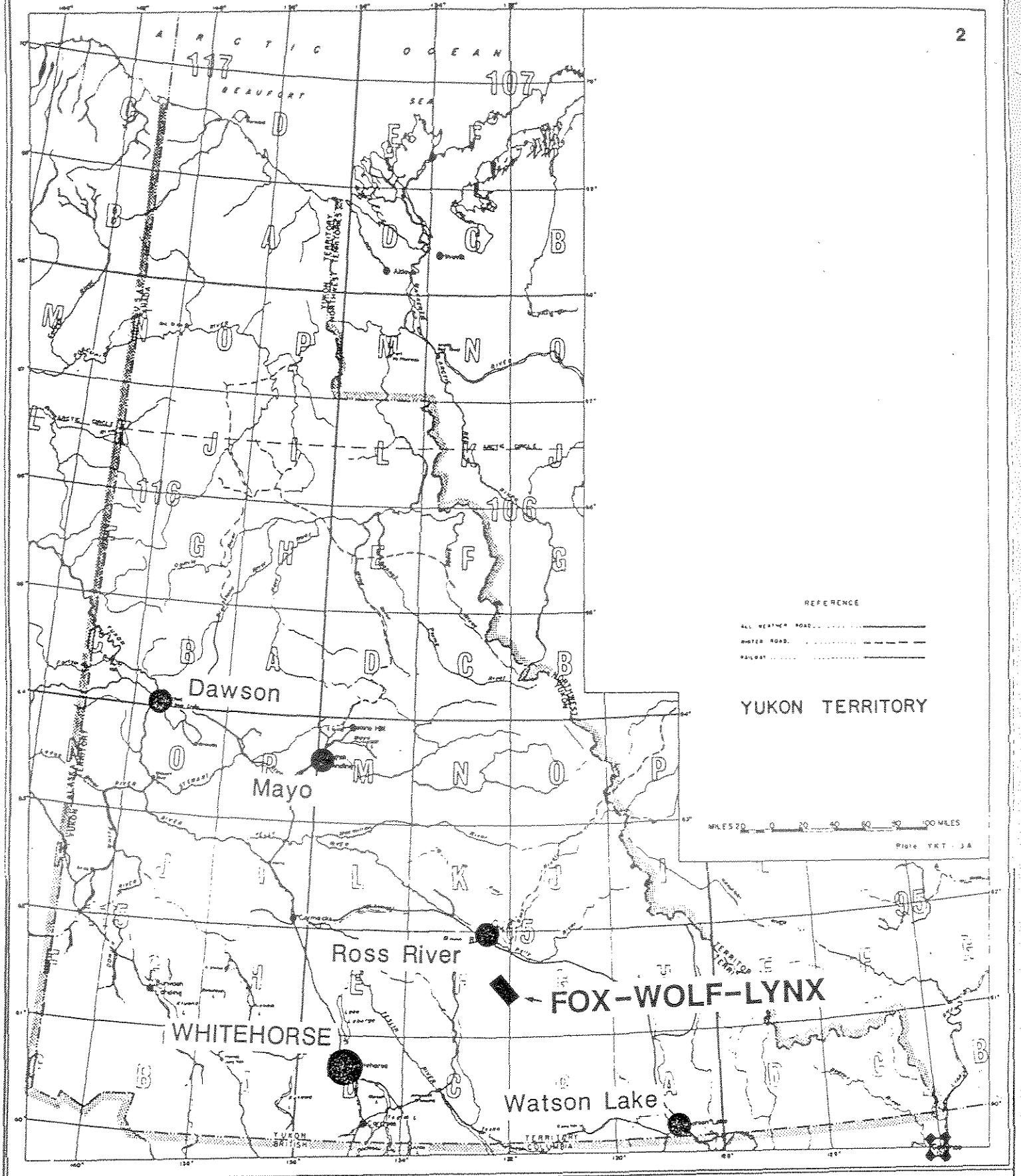
3. TOPOGRAPHY

The claim group covers a semi-mountainous zone on the northern edge of the Pelly Mountains. The elevation ranges from 1300 m to 2100 m in moderate to steeply sloping ground. Small scrub coniferous and deciduous vegetation ends at the 1400 m contour and the ground cover is alpine heather above 1400 m. Glaciation has played a major role in developing the current landform.

4. PROPERTY AND OWNERSHIP

The FOX-WOLF-LYNX claims were staked in 1990. The FOX claims (181 units: 1-24, 38-47, 68-77 due April 6, 1995; 25-37, 48-67, 78-181 due April 6, 1994) were staked by Cominco Ltd.; the WOLF and LYNX claims were staked by Archer Cathro and Assoc. Ltd. (Plate 91-1).

In 1991, Cominco Ltd. optioned the WOLF (18 units due March 30, 1993) and LYNX (14 units due June 22, 1993) claims from YGC Resources Ltd. (Plate 91-1), whereby Cominco can earn a 60% interest in these properties by completing the following schedule of cash



Drawn by:		Traced by:	
Revised by:	Date:	Revised by:	Date:

LOCATION MAP

Scale:	Date:	Plate:

payments and exploration expenditures:

On or Before	Non-Cumulative Payment	Cumulative Expenditures
On signing	$10,000 (paid)	
March 30,1992	$15,000 (optional)	$ 50,000 (firm)
March 30,1993	$20,000 (optional)	$ 150,000 (optional)
March 30,1994	$25,000 (optional)	$ 350,000 (optional)
March 30,1995	$30,000 (optional)	$ 600,000 (optional)
March 30,1996	$50,000 (optional)	$1,000,000 (optional)

5. PREVIOUS WORK

Property was first staked in the area in 1966 by Newmont (FH property). In 1976 the Joe Zn-Pb-Ba VMS showings on Mt. Vermillion were discovered and staked by Newmont (JOE property). A 1977 soil survey outlined an open ended 1500 x 400m > 100 ppm Pb anomaly (peak 3120 ppm) containing coincident but weaker Zn anomalies. Trenching and mapping exposed pyrite, sphalerite and galena occurring as disseminations and stratiform layers within bedded barite associated with silicified and pyritized felsic tuffs. Trench chip samples included 4.2% Zn, 0.65% Pb and 0.38 oz/t Ag over 1.5m. In 1978 Newmont conducted trenching, soil geochemistry and diamond drilled 3 holes (525.6 m total), one of which intersected 1.4 m of 5.6% Zn and 0.80 opt Ag. The claims were subsequently allowed to lapse.

Recce soil/rock geochemistry and mapping conducted by Amax in 1982 was successful in tracing the Pb-Zn anomalous package of altered felsic tuffs over a minimum strike length of 7 km.

In 1990, days prior to staking by Cominco, Archer Cathro and Assoc. Ltd. restaked the original Joe ground (WOLF claims, 10 units). Cominco subsequently staked the FOX property, enclosing the WOLF property and extending 20 kms to the northwest along strike. Later that same year, Archer Cathro staked further ground (LYNX claims) adjacent to the southeast end of the FOX. The 1990 program involved a 1121 sample contour soil geochemistry survey and minor recce geological mapping over the length of the FOX property. In 1991, Cominco optioned the WOLF-LYNX properties and performed a contour and grid soil geochemistry survey (775 samples) and minor detailed geological mapping over the Mt. Vermillion area.

6. REGIONAL GEOLOGIC SETTING

The Pelly Mountains, southwest of the Tintina Fault, is underlain predominantly by early to middle Paleozoic clastic and volcanic rocks deposited near the western edge of the Selwyn Basin and Kechika Trough. The regional geology and geologic setting is well described by Gordey (1981).

The area centres on the Silurian to Devonian Pelly-Cassiar Platform, a peninsular area of shallow water carbonate sedimentation (outboard of the main MacKenzie Platform) which developed unconformably above a thick accumulation of Cambrian to Ordovician volcanic and clastic rocks. Carbonates of this platform change laterally to basinal shale facies to both the northeast and southwest. Late Devonian to Mississippian rifting and subsidence of the carbonate shelf and basin resulted in the deposition of shale, siliceous greywacke, chert pebble conglomerate and locally developed centres of intermediate to felsic volcaniclastic volcanism. Overlying Carboniferous to Lower Triassic clastic sedimentation reflects a return to stable marine shelf conditions.

7. PROPERTY GEOLOGY

Devono-Mississippian volcanics form a 130 x 5 km arcuate belt of intermediate and felsic, fine to coarse tuff and minor massive flows with intercalated tuffaceous mudstone and black shale in the Pelly Mountains and host numerous VMS showings, the most significant being the MM located 60 km west of the FOX-WOLF-LYNX. The FOX-WOLF-LYNX properties cover a 21 x 2 km portion of this belt.

The oldest unit exposed in the area is an Upper Cambrian to Ordovician, grey weathering, lustrous and fissile, nontuffaceous slate with intercalated 6-30 m thick diabase sills. This unit occurs within a linear thrust belt to the southwest of the properties, in contact with younger carbonate and volcanic sequences. To the southeast of Mt. Vermillion, the slate-diabase unit unconformably underlies Upper Silurian to Devonian carbonates.

The overlying Upper Silurian to Devonian succession consists of grey to buff weathering, thin to thick bedded silty and sandy dolomite, minor massive dolomite and dolomite breccia and minor thin bedded black limestone. This unit disconformably underlies the Devono-Mississippian volcanics, forming a northwest trending belt along the northeast margin of the properties. Southeast of Mt. Vermillion, the Mt. Vermillion Thrust Fault repeats the section, placing these carbonates ontop of the younger volcanic sequence. A ENE trending cross fault offsets this sequence to the NE such that the LYNX property is predominantly underlain by carbonates.

The Upper Devonian to Lower Mississippian succession exposed on the FOX-WOLF properties comprises a orange to dark green grey weathering heterogenous, homoclinal sequence of intermediate to felsic, fine to coarse tuffs with a varying epiclastic component, massive subvolcanic sills/dykes and minor thin to thick interbeds of carbonaceous mudstone/siltstone and chert. Detailed geological mapping (1:5,000) in the Mt. Vermillion area has allowed this succession to be subdivided into 12 subunits (see Table 1, Plate 91-2). The distinction between "intermediate" and "felsic" units is a field classification based on the colour and textures and may only be supported in a general way by chemistry.

The footwall succession was subdivided into 5 units (units 1-5, Table 1). The lowermost 4 units suggest deep water, fine clastic sedimentation with increasing distal intermediate volcanism upsection, reflected by an increasing tuffaceous component. Unit 4 consists of dominantly fine to coarse volcaniclastics, although epiclastic mudstone fragments and interbeds are present. The overlying unit (unit 5) comprises monolithic, fine to coarse, massive bedded intermediate tuffs and minor flows with no epiclastic component, reflecting strong, more proximal volcanism.

The overlying rhyolite (unit 6) is a distinctive unit, characterised by its light grey, yellow, white to rusty weathering and strongly pyritic and sericitic nature. The unit consists primarily of felsic fine ash to lapilli-ash tuffs (lapilli fragments are generally <5 cm) with locally developed massive, fine-grained, feldspar$\pm$quartz porphyritic flows suggesting near vent volcanism. Rapid lateral/vertical facies and thickness changes are apparent. Pervasive kspar/sericite/clay and carbonate alteration and pyritization is present throughout the felsic unit. Although detailed mapping was completed only in the Mt. Vermillion area, the unit is thought to thicken in the JOE showing area and continue along strike to the SE. Discontinuous stratiform barite$\pm$sulphide lenses occur at or near the top of the rhyolite unit. A very distinctive but thin, light to medium grey, heterolithic felsic lapilli-ash tuff with dark green, chloritic 'welded' fragments occurs at the top of the rhyolite unit.

TABLE 1

STRATIGRAPHIC COLUMN

UPPER DEVONIAN - MISSISSIPPIAN

uDMi light to medium grey weathering, equigranular, fine to coarse grained (locally pegmatitic) diorite/syenite intrusive plug.

uDMv dark green grey to orange weathering, massive, intermediate to felsic volcanic flows and thick bedded, fine to coarse tuffs with minor interbedded black mudstone and chert.

HANGING WALL

11 medium grey to brown weathering, laminated to thin bedded, dark grey to black cherty mudstone with interbedded siltstone and minor chert, pebbly siltstone and fine chert pebble conglomerate (225-250 m thick). Numerous medium grey to orange weathering, amygdaloidal andesite dykes/sills intrude the sediments.

10 heterolithic unit comprised primarily of thick bedded dark grey to black tuffaceous mudstone intercalated with light grey, dark green grey to brown weathering dacitic to rhyolitic lapilli tuff, lapilli-ash tuff and minor tuff breccia (90-120 m thick). Volcaniclastics are moderately to intensely Fe carbonate altered.

9 predominantly dark green grey weathering, medium to dark green and maroon andesite/dacite fine-grained and locally pillowed and feldspar porphyritic massive flows with diffuse lateral and vertical contacts into monolithic flow breccias and lapilli-ash tuffs; minor dark grey to black tuffaceous mudstone is present (110-160 m thick). Several thick fine-grained and locally amygdaloidal andesite sill/dykes cut the strata.

8 Medium dark green, strongly chlorite altered rhyolite, dacite and andesite flows/flow breccias and tuff developed northwest of Mt. Vermillion (5-50 m thick). This unit contains at least 3 horizons of po, py, sp, cpy, ± gn up to 3 m thick and 80 m in strike length.

7 light to medium brown grey weathering, thick normally graded fine to coarse dacite ash tuff to lapilli-ash tuff containing 5-10% mudstone fragments intercalated with thin-thick bedded, dark grey to black mudstones. Unit shows rapid lateral thickness and facies changes (5-100 m thick).

RHYOLITE

6 light grey to yellow, white and rusty weathering, strongly altered and pyritic unit consisting of recessive rhyolitic lapilli-ash tuff and lapilli tuff separating intervals of resistant massive fine-grained, feldspar + quartz porphyritic flows (60-150 m thick).

The hangingwall succession has been subdivided into 5 units (units 7-11, Table 1). Intercalated mudstones and tuffs with mudstone fragments (very similar to unit 4) of unit 7 represent a waning period of volcanism. This unit shows rapid thickness changes from < 5 m to ~ 100 m to the NW of Mt. Vermillion peak, possibly reflecting a paleotopographic low in this area. An overlying felsic to intermediate, massive flow, flow breccia and tuff unit (unit 8) also appears to be restricted to the area NW of the peak. Unit 8 volcanics appear intermediate being dark grey green and of a generally massive texture; however, quartz crystals were found suggesting the unit to be a strongly chlorite altered felsic volcanic. Hosted within unit 8 are 3 intervals (up to 3.0 m thick) of stratabound, massive and brecciated po-py-sp-cpy $\pm$ ga sulphide rock. The distinction between unit 8 and the overlying thick package of intermediate flows and tuffs (unit 9) is the presence of quartz crystals. Several of the amygdaloidal andesite sills/dykes maybe feeders to flows in unit 9. The overlying two units reflect decreasing volcanism (unit 10) and a return to deep water, fine clastic deposition (unit 11).

An intrusive equigranular, fine to coarse-grained (locally pegmatitic) diorite/syenite plug is found 2.5 km SE of MT. Vermillion. Similar intrusives are found along the entire length of the volcanic belt and are thought to be subvolcanic equivalents of some of the extrusive units.

The Devono-Mississippian succession strikes NW and dips 55°-74° SW to 72° NE in the Mt. Vermillion area. The strata appears continuous along strike; however, relatively minor N-NE trending cross faults appear to locally offset the stratigraphy.

8. MINERALIZATION

At Mt. Vermillion, 2 significant styles of synvolcanic Zn-Pb $\pm$ Ba mineralization are present at at least 2 stratigraphic positions:

1. Discontinuous bedded barite is thought to occur at or near the top of the felsic tuff and flow unit (unit 6). This barite is host to stratiform py-sp-ga occurring as fine wispy disseminations. Float has assayed up to 4.7% Zn, 1.8% Pb, 41.1 g/t Ag and 2.4% Zn, 1.1% Pb, 25.8 g/t Ag. Baritic float with weak, stratiform py $\pm$ sp mineralization is found over a 5.5 km strike length and can be traced geochemically over the entire length of the claim group.

2. Three "horizons" (0.10-3.0 m thick, approximately 80 m in strike length) of stratabound, massive and brecciated po-py-sp-cpy $\pm$ ga (30-70%) sulphide rock within dark, strongly chlorite altered felsic flows and tuffs (unit 8) are found stratigraphically above the felsic unit, on the northeast slope of Mt. Vermillion. A crude stratigraphic zoning of sulphide textures and mineralogy from brecciated, po-rich sulphide rock (near base) to massive to weakly banded py-po $\pm$ sp sulphide rock to py-sp $\pm$ ga sulphide rock (at top) is found. Matrix to the sulphide rock is predominantly carbonate and lesser silica. The 3 "horizons" occur over a 22 m stratigraphic interval.

Epigenetic Zn-Pb-Fe veining and/or replacement mineralization is economically insignificant, but is notably abundant in the Mt. Vermillion area.

9. 1991 SOIL GEOCHEMISTRY

In 1991 a total of 775 contour and grid soil samples were collected over the Mt. Vermillion area (Plate 91-3) in order to define the previously identified soil anomaly. Hip chains and altimeters were used for control on contour traverses. A small, hip chained grid was used

over the 1978 trenched area. Samples were analyzed for Cu, Pb, Zn, Ag, Fe by AAS and Ba by XRF (Appendix 3).

This survey, in addition to the 1990 contour soils, has defined a very large 100-700 x 4,000 m, >100 ppm Pb extending to the southeast from the northwest slope of Mt. Vermillion. This Pb soil anomaly is coincident with a >300 ppm Zn, >0.6 ppm Ag and spotty >3,500 ppm Ba soil anomaly.

Only a small area of the larger anomaly has been explored by 1977/78 trenching. The Pb-Zn-Ba-Ag soil anomalies clearly reflect the mineralized nature of unit 6. Areas of disseminated and vein mineralization are reflected by smaller, spotty anomalies.

10. 1991 ROCK GEOCHEMISTRY

A total of 39 rock samples were collected and analyzed for Cu, Pb, Zn and Ag by AAS and for major and minor oxides. A further 29 rock and float samples were collected and analyzed for 20 elements by ICP (Appendix 4). 1991 sample locations are on Plate 91-3. An additional 28 whole rock analyses collected in 1990 are included in the data base (Appendix 4).

Caution must be used in interpreting the rock geochemistry due to the fact that the lithologies are primarily tuffaceous and have undergone hydrothermal alteration and surface weathering. The entire suite of rocks has been intensely Na depleted (mean 0.4wt.%). Both Ca and Mg show signs of depletion along with Na. Strong K (mean 6.3wt.%) and Al enrichment with an associated weak Fe, Mn, Ca, Mg and P depletion is evident, reflecting the clay-kspar-sericite alteration. Moderate to strong Ca enrichment with a strong positive correlation with LOI and strong negative correlation with Si and Al reflects intense carbonate alteration. It is clear that standard chemical classifications of these rocks are not valid.

11. CONCLUSIONS

Detailed geological mapping from Mt. Vermillion has allowed the Devono-Mississippian succession to be subdivided into 12 subunits. The footwall succession was subdivided into 5 units, reflecting deep water fine clastic sedimentation with increasing intermediate volcanism upsection. The overlying rhyolite consists of fine ash to lapilli-ash tuffs with locally developed feldspar$\pm$quartz porphyritic flows suggesting near vent volcanism. The hangingwall succession has been subdivided into 5 units, representing a waning period of volcanism followed by a second pulse of intermediate to felsic volcanism and finally a return to deep water, fine clastic deposition. The entire volcanic suite has been completely Na depleted and show signs of intense K (clay/kspar/sericite) and Ca (carbonate) alteration.

1990/91 soils have defined a very large 100-700 x 4,000 m, >100 ppm Pb extending to the southeast from the northwest slope of Mt. Vermillion. This Pb soil anomaly is coincident with a >300 ppm Zn, >0.6 ppm Ag and spotty >3,500 ppm Ba soil anomaly. The Pb-Zn-Ba-Ag soil anomalies clearly reflect the mineralized nature of the distinctive, light grey, yellow, white to rusty weathering, felsic unit.

The lack of high grade sulphide float or outcrop on the property, given the good to excellent exposure in felsenmeer, talus and lesser outcrop, is discouraging. The geochemical anomalies in this alpine environment can be readily explained by the low grade Pb-Zn-Ag mineralized barite in the felsic volcanics. Nevertheless, the volcanic setting, hosting lithologies, stratigraphic positions and mineralogy of the baritic and po-py-rich stratiform/stratabound

mineralization are very similar to that of the MM deposit, offering the hope for stacked lenses of high grade mineralization in a more vent proximal setting down dip.

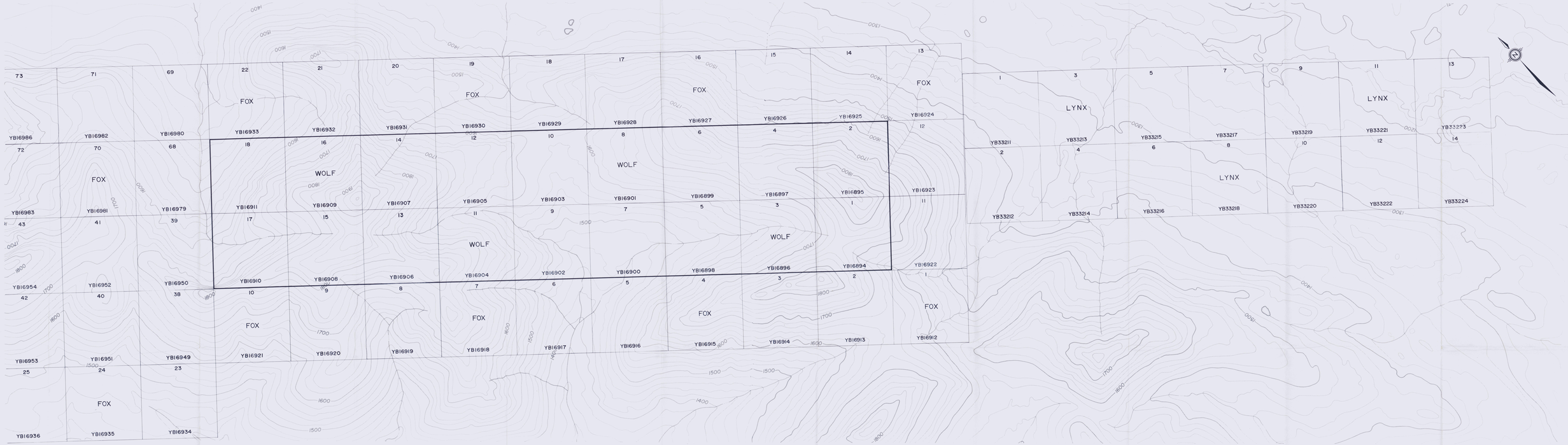
Ground geophysics and further detailed geological mapping is required to identify future drill targets.

12. REFERENCES

Gordey, S.P., 1981. Stratigraphy, structure and tectonic evolution of southern Pelly Mountains in the Indigo Lake area, Yukon Territory: Canada Geol. Survey, Bulletin 318.

Reported by: _____
Paul A. MacRobbie,
Geologist II

Approved for release: _____
W.J. Wolfe,
W.D. Exploration Manager

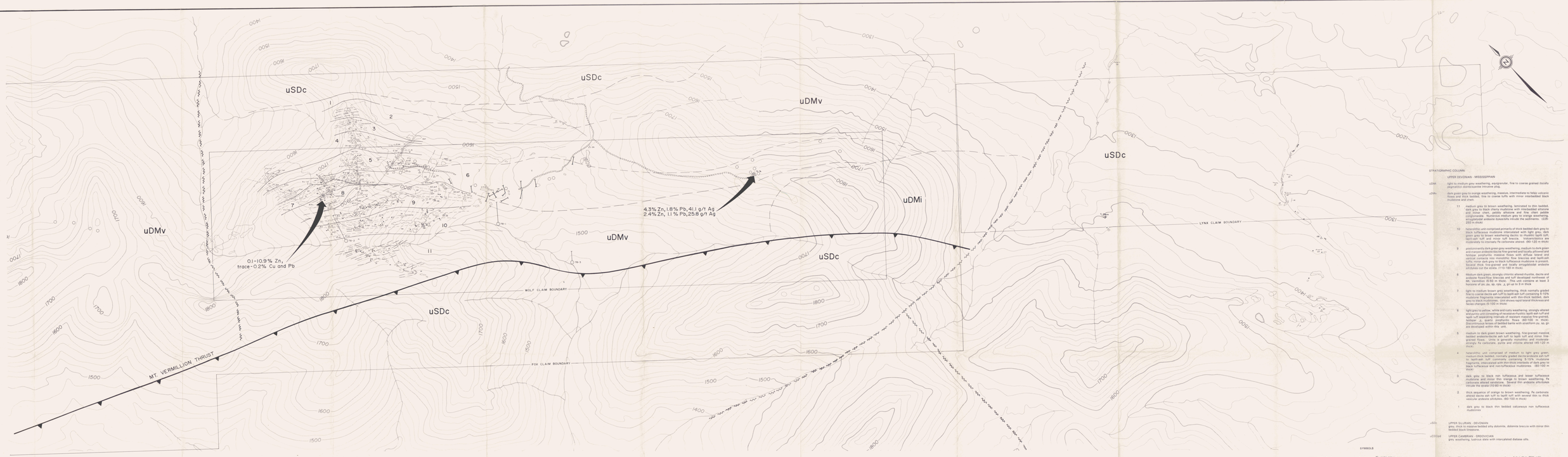


FOX PROPERTY

FOX, WOLF & LYNX
CLAIM LOCATION

WATSON LAKE M.D., YUKON TERRITORY

SCALE 1:5,000 DATE SEPTEMBER 1991 FIGURE 3



STRATIGRAPHIC COLUMN

UPPER DEVONIAN - MISSISSIPPIAN

uDMi light to medium grey weathering, equigranular, fine to coarse grained dacitic pegmatoid dacite/quartz intrusive plug.

uDMv dark green grey to orange weathering, massive, intermediate to felsic volcanic flows and thick bedded, fine to coarse tuffs with minor interbedded black mudstone and chert.

11 medium grey to brown weathering, laminated to thin bedded, locally thick bedded, siliceous mudstone, minor interbedded dark grey chert, pebbly siltstone and fine clast pebble conglomerate. Numerous medium grey to orange weathering, equigranular andesite dykes/sills intrude the sediments. (225-250 m thick)

10 heterolithic unit comprised primarily of thick bedded dark grey to black tuffaceous mudstone interstated with light grey, dark green to maroon weathering, medium to thick bedded, fine to coarse lapilli-ash tuff and minor tuff breccia. Volcaniclastics are moderately to intensely Fe carbonate altered. (80-120 m thick)

9 predominantly dark green grey weathering, medium to dark green and maroon andesite/dacite fine grained and locally pillowed and feldspar porphyritic massive flows with diffuse lateral and vertical contacts into monolithic flow breccias and lapilli-ash tuff breccias. Unit also contains numerous medium grey to orange, locally thick, fine grained and locally amygdaloidal andesite sills/dykes cut the strata. (110-180 m thick)

8 Medium dark green, strongly chlorite altered rhyolite, dacite and andesite flows/flow breccias and tuff developed northwest of Mt. Vermillion (0-50 m thick). This unit contains at least 5 horizons of pis, py, sp, +/- gn-up to 3 m thick

7 light to medium brown grey weathering, thick normally graded fine to coarse dacite ash tuff to lapilli-ash tuff containing 5-10% lithic fragments, interbedded with thin-thick interbeds of dark grey to black mudstones. Unit shows rapid lateral thickness and facies changes (5-100 m thick)

6 light grey to yellow, white and rusty weathering, strongly altered and pyritic unit consisting of recessive rhyolitic lapilli-ash tuff and lapilli tuff separating intervals of resistant massive fine grained, feldspar ± quartz porphyritic flows (80-100 m thick). Mineralization is associated with sphalerite with arsenfrom py, sp, gn are developed within this unit.

5 medium to dark green brown weathering, fine grained massive bedded andesite/dacite ash tuff to lapilli tuff and minor fine grained flows. Units is generally monolithic and moderate-strongly Fe carbonate, pervis and chlorite altered (45-122 m thick)

4 heterolithic unit comprised of medium to light grey green, medium thick bedded, normally graded dacite-andesite ash tuff to lapilli-ash tuff containing approximately 10% lithic fragments, intercalated with thin-thick interbeds of dark grey to black tuffaceous and non-tuffaceous mudstones. (80-100 m thick)

3 dark grey to black non tuffaceous and lesser tuffaceous mudstone and minor thin orange to brown weathering, Fe carbonate altered sandstone. Sawcut thin andesite sills/dykes intrude the strata (70-90 m thick)

2 thick sequence of orange to brown weathering, Fe carbonate altered dacite ash tuff to lapilli tuff and lesser thin thick medium andesite sill/dykes. (80-100 m thick)

1 dark grey to black thin bedded calcareous non tuffaceous mudstones

UPPER SILURIAN - DEVONIAN

uSDc grey, thick to massive bedded silty dolomite, dolomite breccia with minor thin bedded black limestone.

UPPER CAMBRIAN - ORDOVICIAN

uCOsd grey weathering, ludrous sltstw with intercalated diabase sills.

R	Rhyolite	ar	Ash tuff (<75% ash)
D	Dacite	las	Lapilli-ash tuff (25-75% lapilli)
A	Andesite	lt	Lapilli tuff (>75% lapilli)
		tbx	Tuff breccia
		flbx	Flow breccia
		fp	Flow
		pof	Porphyritic flow
		tm	Tuffaceous mudstone
		m	Mudstone

093017

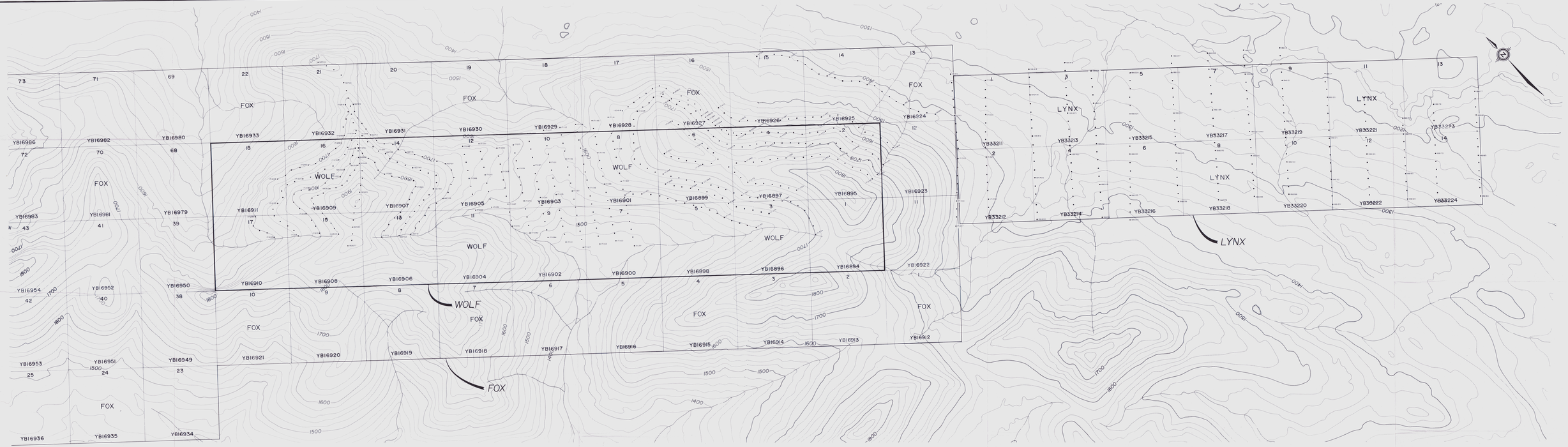
DRAWN BY	P.A.M.	CHKD BY	S.A.S.
DRAWN BY	P.A.M.	CHKD BY	S.A.S.

FOX PROPERTY

GEOLOGY

ATSON LAKE M.D., YUKON TERRITORY

SCALE 1:5,000 DATE SEPTEMBER 1991 FIGURE 91-2



093017

FOX PROPERTY

SOIL GEOCHEMISTRY
1991 SAMPLE LOCATION

MATSON LAKE M.D., YUKON TERRITORY

Scale 1:5,000 Date SEPTEMBER 1991 Fig. No. 91-3

APPENDIX 1

STATEMENT OF EXPENDITURES

1991 STATEMENT OF EXPENDITURES

COMMUNICATIONS		1,149.21
GEOLOGY STAFF COSTS;	P. MacRobbie (Geologist II), 19 days	
	C. Schultze (Geologist I), 18 days	
	G. Graham (Technician), 19 days	
	G. Bonin (assistant), 10 days	
	J. Boyce (assistant), 10 days	
	A. Davies (assistant), 7 days	16,132.00
EXPENSE ACCOUNTS		524.87
GEOCHEMISTRY		10,574.75
TRANSPORTATION :	FIXED WING	398.12
	HELICOPTER	18,420.00
	TRUCK	5,219.60
	FUEL	1,694.85
	FREIGHT	29.30
DOMICILE		9,600.10
DRAFTING/REPRODUCTION		3,599.32
TOTAL		67,342.12

APPENDIX 2

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Paul A. MacRobbie, of 312 - 1790 W 10 th. St., Vancouver, B.C. hereby declare that I:

1. Graduated from Carleton University, Ottawa, Ontario with a B.Sc. in Geology in May, 1986 and a M.Sc. in Geology in June, 1988.

2. Have been actively engaged in mineral exploration in Western Canada as a permanent geologist with Cominco Ltd. since June, 1988.

Date: Jan. 22, 1992

P. A. MacRobbie
Geologist II

APPENDIX 3

1991 CONTOUR AND GRID SOIL GEOCHEMISTRY

SAMPLE NO	LAB#	CU(PPM)	PB(PPM)	ZN(PPM)	AG(PPM)	BA(PPM)	FE(%)
171042	9126996	4	22	34	0.4	2601	1.22
171043	9126997	6	63	46	0.5	4947	1.95
171044	9126998	9	152	49	1.5	2447	3.93
171045	9126999	9	264	69	2.1	6212	3.85
171046	9127000	7	177	742	2.4	2679	8.17
171047	9127001	7	155	95	1.6	2676	1.37
171048	9127002	7	33	75	0.4	1675	2.47
171049	9127003	18	40	114	0.4	1893	2.77
171050	9127004	15	52	167	0.5	2024	3.31
171051	9127005	13	220	117	0.8	2614	2.49
171052	9127006	7	136	74	0.5	2170	1.63
171053	9127007	9	88	82	0.4	1758	1.48
171054	9127008	13	48	42	0.5	1851	3.68
171055	9127009	13	278	57	1	3155	3.84
171056	9127010	12	104	93	0.8	3398	2.71
171057	9127011	11	109	147	0.6	2365	1.88
171058	9127012	16	40	366	1.8	2939	2.68
171059	9127013	10	102	124	0.6	1685	2.49
171060	9127014	7	337	73	0.6	3683	1.54
171061	9127015	8	294	54	1.3	4769	1.76
171062	9127016	10	215	87	0.6	3002	2.02
171063	9127017	6	258	29	1.6	3308	2.61
171064	9127018	9	565	154	1.2	8413	2.05
171065	9127019	6	1650	31	22.5	15690	0.82
171066	9127020	9	142	77	1.2	3520	1.67
171067	9127021	11	72	208	0.6	4897	3.55
171068	9127022	21	65	367	0.8	4725	5.42
171069	9127023	31	104	226	1.6	3813	3.41
171070	9127024	21	22	113	0.5	1791	2.97
171071	9127025	12	88	93	0.5	2519	4.98
171072	9127026	8	120	63	0.6	2844	1.59
171073	9127027	12	233	66	0.8	2943	3.47
171074	9127028	17	396	105	1.1	12641	3.9
171075	9127029	6	56	52	0.4	1874	0.84
171076	9127030	15	118	247	1.1	22000	4.93
171077	9127031	12	165	153	0.9	22000	2.41
171078	9127032	12	105	147	0.6	4230	3.51
171079	9127033	12	31	230	0.5	3108	2.3
171080	9127034	9	21	105	0.4	2017	2.83
171081	9127035	13	21	75	0.4	1692	1.94
171082	9127036	15	35	120	0.4	1605	3.53
171083	9127037	9	186	97	0.7	2644	2.85
171084	9127038	9	1090	115	1.2	2423	5.32
171085	9127039	13	197	86	1.4	5526	3.82
171086	9127040	11	90	108	0.4	2671	2.73
171087	9127041	14	344	93	1.2	3386	2.98
171088	9127042	77	928	130	4.5	13491	6.39
171089	9127043	8	23	143	0.4	2298	2.46
171090	9127044	11	53	377	0.4	3718	3.97
171091	9127045	13	44	153	0.7	2981	3.03
171092	9127046	14	21	103	0.4	2235	3.04
171093	9127047	10	14	86	0.4	1258	2.14
171094	9127048	21	13	92	0.5	797	3.31
171095	9127049	26	161	133	0.8	2495	3.11
171096	9127050	8	10	172	0.4	1174	1.53
171097	9127051	15	88	83	0.6	2035	2.56
171098	9127052	11	89	125	0.4	2639	3.21
171099	9127053	29	1420	536	5.5	9277	6.1
171100	9127054	8	31	121	0.4	2217	1.64
171101	9127055	15	50	212	0.7	4124	3.74

SAMPLE NO	LAB#	CU(PPM)	PB(PPM)	ZN(PPM)	AG(PPM)	BA(PPM)	FE(%)
171102	9127056	33	58	689	0.6	4422	4.27
171103	9127057	13	27	131	0.4	2866	3.04
171104	9127058	56	65	649	0.4	1263	2.89
171105	9127059	12	140	235	0.4	2130	3.41
171106	9127060	10	18	72	0.4	1416	1.97
171107	9127061	6	4	16	0.4	1139	0.28
171108	9127062	19	22	81	0.4	862	2.79
171109	9127063	13	8	60	0.4	766	2.57
171110	9127064	7	5	48	0.4	815	1.8
171111	9127065	11	21	88	0.4	950	2.89
171112	9127066	30	353	1013	0.4	2072	3.43
171113	9127067	9	88	148	0.4	2065	2.88
171114	9127068	11	140	181	0.4	2995	2.97
171115	9127069	11	74	170	0.6	1967	2.81
171116	9127070	12	112	248	0.4	2230	3.33
171117	9127071	15	21	154	0.4	1458	2.09
171118	9127072	29	14	785	0.4	810	2.95
171119	9127073	20	20	70	0.4	1605	3.42
171120	9127074	18	18	145	0.4	1345	3.03
171121	9127075	9	18	111	0.4	1326	2.49
171122	9127076	14	30	183	0.4	1284	3.45
171123	9127077	9	13	74	0.4	1140	2.87
171124	9127078	12	18	100	0.4	1067	2.9
171125	9127079	3	9	35	0.4	1100	0.81
171126	9127080	9	15	87	0.4	1177	1.94
171127	9127081	19	39	212	0.4	2065	2.67
171128	9127082	27	118	300	0.7	1990	3.48
171129	9127083	7	792	76	5.4	9825	2.31
171130	9127084	13	134	128	0.7	1999	3.06
171131	9127085	11	69	84	0.5	1625	3.89
171132	9127086	7	701	142	3.1	1977	3.63
171133	9127087	10	22	75	0.4	2755	2.3
171134	9127088	11	82	73	0.4	3149	3.3
171135	9127089	12	14	89	0.4	1136	2.89
171136	9127090	5	11	83	0.4	1123	1.94
171137	9127091	6	25	120	0.4	1394	2.68
171138	9127092	7	18	132	0.4	1112	2.26
171139	9127093	14	13	99	0.4	1048	2.35
171140	9127094	15	13	78	0.4	881	2.59
171141	9127095	9	11	58	0.4	986	2
171142	9127096	7	13	72	0.4	1266	1.97
171143	9127097	6	4	30	0.4	1338	0.37
171145	9127098	12	52	210	0.4	1450	2.91
171146	9127099	10	24	137	0.4	1576	2.45
171147	9127100	11	59	135	0.4	1415	3.98
171148	9127101	6	17	73	0.4	1132	2.89
171149	9127102	6	10	73	0.4	2071	2.62
171150	9127103	8	10	35	0.4	5179	2.59
171151	9127104	6	21	102	0.4	1328	3.42
171152	9127105	9	16	97	0.4	1228	3.9
171153	9127106	10	16	87	0.4	1154	2.47
171154	9127107	8	17	80	0.4	1224	2.67
171155	9127108	9	24	126	0.4	1422	2.94
171156	9127109	7	20	99	0.4	1046	2.48
171157	9127110	9	22	145	0.4	1345	3.68
171158	9127111	6	10	48	0.4	946	0.94
171159	9127112	5	17	93	0.4	1184	2.31
171160	9127113	5	11	49	0.4	1392	0.94
171161	9127114	8	26	156	0.4	1625	2.69
171162	9127115	5	28	82	0.4	1199	2.39

SAMPLE NO	LAB#	CU(PPM)	PB(PPM)	ZN(PPM)	AG(PPM)	BA(PPM)	FE(%)
171163	9127116	13	39	145	0.4	1486	1.87
171164	9127117	8	24	69	0.4	1330	2.09
171165	9127118	6	27	81	0.4	1566	2.48
171166	9127119	11	22	95	0.4	1280	3.19
171167	9127120	6	29	100	0.4	1416	2.68
171168	9127121	7	15	75	0.4	1193	5.25
171169	9127122	5	23	73	0.4	1450	2.4
171170	9127123	5	23	75	0.4	1216	2.42
171171	9127124	7	14	69	0.4	1081	1.92
171172	9127125	7	25	171	0.4	1216	3.3
171173	9127126	6	23	128	0.4	1076	2.66
171174	9127127	5	17	103	0.4	1304	2.63
171175	9127128	7	40	140	0.4	1271	2.7
171176	9127129	6	10	45	0.4	1330	0.86
171177	9127130	9	15	112	0.4	1319	2.54
171178	9127131	3	13	70	0.4	1063	1.92
171179	9127132	7	14	76	0.4	1141	2.26
171180	9127133	12	17	145	0.4	1140	4.01
171181	9127134	6	11	54	0.4	1210	2.47
171182	9127135	8	15	112	0.4	1302	2.79
171183	9127136	5	26	152	0.4	943	2.69
171184	9127137	7	11	87	0.4	845	2.22
171185	9127138	7	23	160	0.4	1325	4.01
171186	9127139	14	24	104	0.4	882	5.39
171187	9127140	7	164	656	0.9	2556	4.49
171188	9127141	6	199	366	0.6	2455	2.2
171189	9127142	6	63	183	0.4	2992	2.22
171190	9127143	5	113	214	0.6	2421	1.47
171191	9127144	10	21	107	0.4	2068	2.82
171192	9127145	12	25	129	0.4	2458	3.18
171193	9127146	6	29	166	0.4	2970	2.72
171194	9127147	7	42	299	0.4	3889	3.23
192677	9127148	10	11	69	0.4	1283	1.77
192678	9127149	25	24	232	0.6	2232	3.03
192679	9127150	6	32	302	0.4	1714	4.47
192680	9127151	11	47	302	0.5	1344	4.23
192681	9127152	6	27	268	0.4	1292	5.46
192682	9127153	4	20	162	0.4	912	5.11
192683	9127154	4	48	302	0.4	1164	1.9
192684	9127155	27	34	212	0.4	1805	4.29
192685	9127156	63	34	387	0.4	1962	6.16
192686	9127157	52	306	3410	0.5	1895	6.82
192687	9127158	12	30	573	0.4	1328	3.91
192688	9127159	10	55	57	0.4	4094	9.26
192689	9127160	25	23	79	0.4	2257	10.22
192690	9127161	9	74	99	0.6	1843	9.39
192691	9127162	9	67	239	0.5	1788	3.45
192692	9127163	14	299	505	0.7	1230	2.51
192693	9127164	9	125	362	0.4	1651	6.81
192694	9127165	31	127	988	0.5	991	3.77
192695	9127166	2	21	138	0.5	1587	3.07
192696	9127167	12	8	98	0.4	2060	1.51
192697	9127168	13	24	113	0.4	1489	2.3
192698	9127169	11	37	106	0.4	1927	3.06
192699	9127170	20	19	150	0.4	1864	1.63
192700	9127171	9	197	425	0.4	3403	2.65
192701	9127172	9	39	56	0.4	2662	2.88
192702	9127173	7	21	74	0.4	2701	1.64
192703	9127174	5	10	27	0.4	3330	1.33
192704	9127175	4	16	50	0.4	2781	0.99

SAMPLE NO	LAB#	CU(PPM)	PB(PPM)	ZN(PPM)	AG(PPM)	BA(PPM)	FE(%)
192705	9127176	10	39	180	0.4	1715	3.32
192706	9127177	14	14	270	0.4	1621	2.03
192707	9127178	16	80	352	0.4	1325	2.62
192708	9127179	6	30	94	0.4	1329	2.72
192709	9127180	15	74	248	0.4	1460	3.41
192710	9127181	9	233	586	0.6	1017	3.86
192711	9127182	12	110	675	0.4	1948	4.63
192712	9127183	8	101	397	0.5	1924	3.3
192713	9127184	19	217	550	1.4	3588	6.65
192714	9127185	26	114	892	1	15426	4.56
192715	9127186	18	1350	214	4.1	8849	4.38
192716	9127187	15	936	129	2.2	9385	5.74
192717	9127188	21	61	178	0.4	2590	4.94
192718	9127189	21	55	642	0.4	2046	4.36
192719	9127190	16	91	137	0.6	4221	3.48
192720	9127191	11	237	80	1.1	4883	5.53
192721	9127192	16	265	125	1.7	2719	10.34
192722	9127193	42	169	1450	1.6	1584	8.77
192723	9127194	8	57	132	0.4	1354	3.88
192724	9127195	12	100	350	0.4	1457	5.94
192725	9127196	15	807	698	1.1	1500	11.43
192726	9127197	24	47	245	0.5	1408	5.07
192727	9127198	11	35	298	0.4	1436	5.57
192728	9127199	8	89	272	0.4	1390	4.61
192729	9127200	10	61	133	0.4	1709	8.01
192730	9127201	9	41	204	0.4	1827	4.29
192731	9127202	7	36	231	0.4	1722	3.54
192732	9127203	19	30	145	0.4	2230	2.56
192733	9127204	7	34	191	0.4	2028	3.4
192734	9127205	5	36	153	0.4	1409	3.27
192735	9127206	9	25	152	0.4	1344	4
192736	9127207	7	55	254	0.4	1658	4.99
192737	9127208	11	85	266	0.6	1536	5.52
192738	9127209	20	594	800	0.5	1056	6.43
192739	9127210	215	28	259	0.4	1351	3.86
192740	9127211	15	28	113	0.4	1735	2.06
192741	9127212	33	52	82	0.4	2368	3.42
192742	9127213	18	39	73	0.5	8191	4.28
192743	9127214	16	118	51	1.4	2146	5.15
192744	9127215	28	39	208	0.4	1816	4.8
192745	9127216	18	41	188	0.4	2711	4.96
192746	9127217	18	40	215	0.4	2378	4.5
192747	9127218	21	114	893	2	30000	3.45
192748	9127219	30	2330	892	8.2	30000	7.1
192749	9127220	13	86	347	0.7	2269	4.8
171351	9127221	11	87	557	0.4	2444	2.48
171352	9127222	5	109	279	0.4	1914	1.41
171353	9127223	5	48	115	0.4	1798	0.87
171354	9127224	5	131	247	0.4	1567	1.47
171355	9127225	3	81	53	0.4	1769	1.03
171356	9127226	11	89	111	1	3336	6.23
171357	9127227	15	141	572	0.4	2816	3.01
171358	9127228	6	36	77	0.4	2057	2.17
171359	9127229	14	42	164	0.6	4903	2.17
171360	9127230	22	96	739	0.4	1831	2.65
171361	9127231	18	40	791	0.4	1793	2.15
171362	9127232	13	51	232	0.4	3286	2.61
171363	9127233	7	27	64	0.4	1432	3.58
171364	9127234	46	36	135	0.4	1593	2.86
171365	9127235	660	151	3400	0.7	897	5.07

SAMPLE NO	LAB#	CU(PPM)	PB(PPM)	ZN(PPM)	AG(PPM)	BA(PPM)	FE(%)
171366	9127236	7	64	105	0.4	1078	3.33
171367	9127237	6	494	454	1	1193	1.14
171368	9127238	4	39	178	0.4	1545	2.25
171369	9127239	4	37	101	0.4	1411	2.77
171370	9127240	8	26	116	0.4	1734	2.26
171371	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1202	1.31
171372	9127242	7	25	89	0.4	1954	1.28
171373	9127243	22	18	94	0.4	2842	1.17
171374	9127244	17	35	159	0.6	2165	2.44
171375	9127245	9	22	49	0.4	1355	1.5
171376	9127246	7	9	37	0.4	1493	2.18
171377	9127247	9	12	24	0.4	1284	1.02
171378	9127248	7	88	45	0.4	1724	1.49
171379	9127249	12	28	67	0.4	2297	0.81
171380	9127250	14	66	97	0.5	2612	1.71
171381	9127251	7	39	85	0.4	3242	1.08
171382	9127252	5	60	50	0.6	6772	1.54
171383	9127253	7	55	239	0.6	12252	2.13
171384	9127254	11	126	261	0.6	3051	1.94
171385	9127255	18	170	322	1.8	1683	2.38
171386	9127256	11	209	273	1	3461	3.15
171387	9127257	4	234	49	1.8	2220	1.81
171388	9127258	5	620	10	9.9	1421	2.95
171389	9127259	6	133	64	0.5	1713	1.65
171390	9127260	7	342	350	1.7	1369	1.64
171391	9127261	6	83	88	0.4	1326	1.07
171392	9127262	5	451	101	1.3	766	4.49
171393	9127263	4	62	40	0.4	1139	0.85
171394	9127264	5	62	89	0.4	1555	2.06
171395	9127265	3	15	48	0.4	1634	3.27
171396	9127266	7	25	123	0.4	860	6.94
171397	9127267	12	17	27	0.4	1876	1.59
171398	9127268	3	11	45	0.4	1051	2.94
171399	9127269	4	9	30	0.4	1120	1.2
171400	9127270	5	19	22	0.4	1385	0.68
171401	9127271	7	42	40	0.4	1909	0.81
171402	9127272	5	71	118	0.4	1700	0.75
171403	9127273	4	47	113	0.4	1587	1.16
171404	9127274	5	312	58	0.4	1702	2.06
171405	9127275	42	27	119	0.4	2940	4.88
171406	9127276	13	69	113	0.4	2153	3.53
171407	9127277	16	96	218	0.4	1646	4.39
171408	9127278	10	64	191	0.4	1513	2.84
171409	9127279	14	39	293	0.4	1757	2.15
171410	9127280	6	47	118	0.4	1548	2.1
171411	9127281	4	61	71	0.5	1553	2.81
171412	9127282	7	107	88	0.4	1688	1.79
171413	9127283	10	103	109	0.4	1753	1.69
171414	9127284	5	102	76	0.4	1526	1.32
171415	9127285	7	171	203	0.5	1314	0.91
171416	9127286	5	247	149	0.9	1370	2.3
171417	9127287	5	218	102	0.7	1141	1.47
171418	9127288	7	216	299	0.7	1182	2.34
171419	9127289	8	640	393	1.1	1181	2.17
171420	9127290	10	333	169	1	1460	2.81
171421	9127291	11	256	57	2.6	3136	4.65
171422	9127292	12	1220	144	3.1	21000	1.61
171423	9127293	5	929	38	3.9	9002	1
171424	9127294	7	1630	137	1.9	7856	1.21
171425	9127295	6	1500	210	2.5	5321	1.27

SAMPLE NO	LAB#	CU(PPM)	PB(PPM)	ZN(PPM)	AG(PPM)	BA(PPM)	FE(%)
171426	9127296	8	866	87	5.1	2193	4.5
171427	9127297	10	591	84	3.2	4233	3.16
171428	9127298	13	1340	186	4.7	3838	3.12
171429	9127299	16	3820	535	10.9	2671	3.07
171430	9127300	10	863	214	3.3	15610	2.43
171431	9127301	11	600	203	2.4	5005	1.85
171432	9127302	12	553	166	2.8	3755	2.65
171433	9127303	16	2180	201	6.5	3876	3.35
171434	9127304	10	5250	356	16.7	12483	2.06
171435	9127305	7	981	127	2.5	2844	2.85
171436	9127306	4	81	165	0.4	1932	2.77
171437	9127307	5	175	388	0.4	1869	3.63
171438	9127308	4	70	214	0.4	1349	3.32
171439	9127309	5	25	195	0.4	1450	3.84
171440	9127310	7	11	40	0.4	1207	4
171441	9127311	16	13	363	0.4	1122	4.28
171442	9127312	5	159	356	0.4	1613	3.26
171443	9127313	7	65	357	0.4	1589	2.48
171444	9127314	6	84	319	0.4	1558	3.51
171445	9127315	8	349	144	2.8	7947	3.76
171446	9127316	13	1660	629	5.2	7216	1.68
171447	9127317	9	499	253	1.9	3143	1.76
171448	9127318	12	470	330	1.6	2144	2.81
171449	9127319	10	528	228	1.6	3230	2.02
171450	9127320	16	495	356	1.9	1827	1.64
171451	9127321	6	721	171	2.3	25000	1.57
171452	9127322	8	1540	231	3.2	8530	2.03
171453	9127323	7	614	78	2	7152	2.46
171454	9127324	8	281	187	0.7	3099	1.46
171455	9127325	6	976	80	1.4	4070	2.49
171456	9127326	7	472	58	0.9	3751	1.22
171457	9127327	9	701	213	1.4	3623	1.34
171458	9127328	7	959	129	1.7	5177	1.25
171459	9127329	12	384	244	0.8	3086	1.44
171460	9127330	14	871	193	1.2	2033	2.39
171461	9127331	8	447	137	1.6	1620	1.64
171462	9127332	6	441	281	1	1486	2.15
171463	9127333	11	242	375	0.5	2064	1.54
171464	9127334	6	115	84	0.4	1541	0.83
171465	9127335	12	158	208	0.5	1607	0.94
171466	9127336	14	115	176	0.4	1757	1.8
171467	9127337	5	57	102	0.4	1298	3.35
171468	9127338	10	170	226	0.4	1584	4.52
171469	9127339	7	95	139	0.4	1458	3.38
171470	9127340	10	107	204	0.4	2248	1.32
171471	9127341	14	43	285	0.4	1731	4.64
196300	9127342	14	35	172	0.4	1744	4.2
196301	9127343	12	38	158	0.4	2129	4.78
196302	9127344	10	51	251	0.4	1207	4.33
196303	9127345	10	79	424	0.4	1347	4.49
196304	9127346	29	210	712	0.4	2071	4.52
196305	9127347	23	70	602	0.4	2611	3.61
196306	9127348	100	76	922	0.4	1914	5.3
196307	9127349	139	53	688	0.5	712	10.17
196308	9127350	644	62	5740	0.4	586	26
196309	9127351	126	43	959	0.4	2528	6.09
196310	9127352	351	104	19300	0.4	2428	13.28
196311	9127353	468	42	848	0.6	1289	22.1
196312	9127354	89	112	2590	0.4	1933	7.26
196313	9127355	107	140	2810	0.6	1589	12.38

SAMPLE NO	LAB#	CU(PPM)	PB(PPM)	ZN(PPM)	AG(PPM)	BA(PPM)	FE(%)
196314	9127356	20	31	175	0.5	1854	4.64
196315	9127357	24	37	84	0.5	2861	15.13
196316	9127358	24	23	44	0.4	1782	13.52
196317	9127359	3	18	78	0.4	1015	5.42
196318	9127360	27	118	293	0.8	1703	11.28
196319	9127361	20	195	45	1.2	1816	11.76
196320	9127362	51	344	2580	1	3412	7.32
171201	9127363	21	70	89	0.8	3157	6.72
171202	9127364	17	58	191	0.5	2659	23.9
171203	9127365	135	39	1270	0.4	2802	7.35
171204	9127366	38	39	442	0.4	4618	8.54
171205	9127367	16	77	61	0.4	5197	16.1
171206	9127368	19	189	74	1.3	4449	5.71
171207	9127369	11	43	108	0.4	4285	6.22
171208	9127370	7	254	52	0.9	5923	5.1
171209	9127371	11	37	77	0.5	2889	1.67
171210	9127372	6	30	76	0.4	3405	2.64
171211	9127373	23	40	199	0.4	1863	2.44
171212	9127374	19	50	248	0.4	1999	3.17
171213	9127375	6	61	278	0.4	1458	5.42
171214	9127376	32	29	167	0.7	2570	1.77
171215	9127377	44	92	738	0.4	2884	3.41
171216	9127378	8	65	445	0.4	2531	3.17
171217	9127379	9	24	153	0.4	1878	2.66
171218	9127380	6	34	103	0.4	1423	6.33
171219	9127381	56	66	2260	0.4	2347	6.57
171220	9127382	47	27	593	0.4	2830	7
171221	9127383	100	87	1960	0.5	3255	9.7
171222	9127384	37	219	88	1.2	4254	9.4
171223	9127385	2	613	7	2.1	1629	3.87
171224	9127386	22	92	52	0.5	3409	9.96
171225	9127387	5	1200	21	4	2128	4.63
171226	9127388	38	89	39	0.5	4932	10.9
171227	9127389	22	99	66	1	3586	9.6
171228	9127390	50	114	109	1.6	4635	13.92
171229	9127391	94	47	1260	0.6	4225	7.82
171230	9127392	10	961	51	6.6	3386	9.28
171231	9127393	43	108	422	0.7	3561	7.74
171232	9127394	23	95	113	0.9	3407	8.26
171233	9127395	74	112	107	1	1407	18.5
171234	9127396	14	281	365	1.3	2070	9.16
171235	9127397	29	172	493	1.5	1074	5.02
171236	9127398	16	178	544	0.8	1906	9.79
171237	9127399	64	159	2530	0.4	2654	8.32
171238	9127400	27	456	424	1.1	2759	9.23
171239	9127401	23	284	130	2.3	3345	8.04
171240	9127402	125	63	1210	0.4	3499	8.23
171241	9127403	21	13100	130	56.2	3463	7.56
171242	9127404	13	133	34	0.8	2448	8.79
171243	9127405	11	167	26	1	2302	9.21
171244	9127406	10	228	24	0.9	2925	6.66
171245	9127407	29	53	336	0.6	2260	3.87
171246	9127408	6	65	130	0.4	1695	4.68
171247	9127409	5	25	79	0.4	2421	6.76
171248	9127410	56	2310	5320	3.6	1464	12.08
171249	9127411	2	317	20	2.9	7032	0.93
171250	9127412	17	109	577	0.6	1466	4.2
171251	9127413	6	147	200	0.4	1438	3.27
171252	9127414	3	30	278	0.4	1330	1.14
171253	9127415	27	27	249	0.4	2033	2.91

SAMPLE NO	LAB#	CU(PPM)	PB(PPM)	ZN(PPM)	AG(PPM)	BA(PPM)	FE(%)
171254	9127416	29	43	140	0.6	1642	7.82
171255	9127417	8	70	146	0.7	6504	1.86
171256	9127418	9	51	152	0.7	7386	3.8
171257	9127419	7	94	129	0.4	3714	3.32
171258	9127420	12	427	738	2.3	5636	6.1
171259	9127421	11	270	287	0.7	4878	4.47
171260	9127422	17	485	223	1.8	3438	6.82
171261	9127423	5	470	38	2.4	2108	3.83
171262	9127424	7	142	142	0.7	2044	3.55
171263	9127425	7	130	189	0.5	1668	2.98
171264	9127426	1	35	381	0.4	2058	5.12
171265	9127427	3	49	185	0.4	1520	4.11
171266	9127428	6	25	101	0.4	1394	2.85
171267	9127429	5	93	135	0.4	1381	2.93
171268	9127430	16	30	126	0.4	1607	3.79
171269	9127431	3	10	35	0.4	1231	0.42
171270	9127432	5	32	78	0.4	2845	2.16
171271	9127433	14	97	130	1	2315	5.1
171272	9127434	5	49	80	0.4	1520	2.65
171273	9127435	13	75	75	0.6	1698	4.42
171274	9127436	13	176	412	2.6	2219	6.54
171275	9127437	18	190	443	3.2	2357	5.93
171276	9127438	6	108	127	0.7	2067	5.58
171277	9127439	6	48	173	0.7	2393	7.36
171278	9127440	3	252	23	2.2	1861	4.3
171279	9127441	26	163	100	1.3	1640	6.27
171280	9127442	17	223	51	2.1	1607	7.29
171281	9127443	18	1110	338	3.5	20000	4.74
171282	9127444	8	556	194	0.5	1886	3.72
171283	9127445	7	1230	60	4.7	5554	5.71
171284	9127446	15	829	302	2.5	2520	7.97
171285	9127447	18	251	293	1.1	1831	11.37
171286	9127448	17	137	332	1.4	3207	7.39
171287	9127449	24	133	297	1.8	3588	6.52
171288	9127450	19	795	458	3.1	3604	9.01
171289	9127451	8	161	193	1.1	2226	6.19
171290	9127452	7	107	297	0.6	2466	6.38
171291	9127453	59	2390	3840	15.9	35000	4.89
171292	9127454	4	61	220	0.4	1978	5.26
171293	9127455	3	29	74	0.4	1670	4.6
171294	9127456	7	30	92	0.4	1587	4.83
171295	9127457	6	28	96	0.4	1533	5.17
171296	9127458	4	29	90	0.4	1478	5.08
171335	9132886	23	116	246	0.4	1920	2.37
171336	9132887	11	55	54	0.4	1728	2.2
171337	9132888	12	124	97	0.4	2005	2.04
171338	9132889	12	148	204	0.4	1289	2.03
171339	9132890	13	136	153	0.4	1532	1.62
171340	9132891	12	315	322	0.6	1162	1.85
171341	9132892	12	164	396	1	1140	3.01
171342	9132893	11	638	2970	1.4	1086	3.86
171343	9132894	18	240	191	0.9	1646	4.63
171344	9132895	16	665	2360	0.8	1488	8.27
171345	9132896	16	1550	4520	2.2	1270	4.66
171346	9132897	13	203	235	0.4	1007	1.26
171347	9132898	14	62	142	0.4	898	3.26
171348	9132899	19	52	514	0.5	1052	5.72
171349	9132900	17	82	201	0.6	1462	1.86
171350	9132901	12	64	87	0.4	1182	2
186291	9132902	28	19	46	0.4	1695	4.2

SAMPLE NO	LAB#	CU(PPM)	PB(PPM)	ZN(PPM)	AG(PPM)	BA(PPM)	FE(%)
186292	9132903	15	16	46	0.4	1450	2.11
186293	9132904	23	1340	451	3.4	1904	3.73
186294	9132905	38	965	385	3.4	2033	4.98
186295	9132906	21	84	133	0.4	3490	0.89
186296	9132907	17	1140	315	3.7	2567	2.5
186297	9132908	14	551	230	2	10088	2.42
186298	9132909	16	606	291	2	7752	2.23
186299	9132910	26	82	234	0.4	4213	2.55
186300	9132911	30	239	824	0.4	2353	4.3
186301	9132912	28	161	431	0.5	7228	4.67
186302	9132913	19	272	2480	0.4	5089	4.48
186303	9132914	24	138	3130	0.4	2864	4.04
186304	9132915	13	130	1540	0.4	2328	4.61
186305	9132916	15	450	170	2	2983	1.63
186306	9132917	15	767	197	3.1	11657	1.95
186307	9132918	54	105	839	0.8	5083	3.08
186308	9132919	16	778	148	2.8	4601	2.14
186309	9132920	12	351	136	0.7	2106	1
186310	9132921	12	325	63	1.6	3922	1.7
186311	9132922	12	75	95	0.4	2968	1.58
186312	9132923	10	455	64	1.9	4409	1.9
186313	9132924	12	48	133	0.4	2545	1.55
186314	9132925	11	71	112	0.4	1677	1.14
171472	9132926	16	140	325	0.4	2105	1.63
171473	9132927	19	423	513	0.5	2828	2.28
171474	9132928	12	328	353	0.5	1901	2.11
171475	9132929	22	669	133	1.2	1953	2.73
171476	9132930	13	502	170	1	2931	1.66
171477	9132931	19	1120	415	2	4064	1.81
171478	9132932	17	567	201	0.9	3200	1.63
171479	9132933	22	303	450	0.5	2694	2.55
171480	9132934	14	555	123	1.5	2817	2.85
171481	9132935	14	230	234	0.8	2443	2.55
171482	9132936	20	887	390	2.6	8360	2.44
171483	9132937	48	820	800	1.7	2735	4.79
171484	9132938	21	1080	256	5	20000	2.57
171485	9132939	16	661	518	1.9	2895	1.88
171486	9132940	13	399	321	1.6	2572	2.89
171487	9132941	10	556	306	1.7	3804	1.99
171488	9132942	17	871	1450	2.8	2558	3.09
171489	9132943	20	435	461	1.3	2412	2.78
171490	9132944	25	699	153	1.5	3245	2.25
171491	9132945	14	357	90	1.5	9110	3.32
171492	9132946	18	475	206	2.4	3903	2.53
171493	9132947	32	769	321	1.1	2396	3.98
171494	9132948	23	1200	1090	3.7	3112	2.67
171495	9132949	14	84	318	0.4	1554	4.97
171297	9132183	10	12	55	0.4	1827	3.1
171298	9132184	10	4	22	0.4	1491	0.9
171299	9132185	17	18	52	0.4	1274	1.38
171300	9132186	7	5	9	0.4	1414	0.24
171301	9132187	10	21	25	0.4	1472	1.92
171302	9132188	10	23	42	0.4	1576	2.43
171303	9132189	13	24	54	0.4	1263	0.99
171304	9132190	23	10	213	0.4	3781	1.14
171305	9132191	7	14	107	0.4	1417	0.44
171306	9132192	13	33	57	0.4	2804	0.87
171307	9132193	23	33	229	0.4	2791	1.2
171308	9132194	20	65	201	0.7	1419	1.62
171309	9132195	10	6	10	0.4	1096	0.27

SAMPLE NO	LAB#	CU(PPM)	PB(PPM)	ZN(PPM)	AG(PPM)	BA(PPM)	FE(%)
171310	9132196	11	25	31	0.4	1117	2.61
171311	9132197	11	23	31	0.4	1327	1.7
171312	9132198	20	17	47	0.4	1303	1.8
171313	9132199	22	237	65	1.6	1580	1.37
171314	9132200	25	34	45	0.4	1380	1.64
171315	9132201	11	336	69	0.4	1557	2.98
171316	9132202	15	13	25	0.4	1189	1.21
171317	9132203	16	14	19	0.4	1451	1.19
171318	9132204	18	26	58	0.4	1242	1.97
171319	9132205	18	10	17	0.4	1377	2.02
171320	9132206	13	13	23	0.4	1293	1.55
171321	9132207	17	16	53	0.4	1200	1.13
171322	9132208	14	27	70	0.4	1302	2.55
171323	9132209	9	20	40	0.4	1020	2.1
171324	9132210	10	13	20	0.4	1064	1.6
171325	9132211	10	13	12	0.4	1435	1.32
171326	9132212	13	18	46	0.4	2119	2.39
171327	9132213	11	53	264	0.4	2507	5.25
171328	9132214	9	17	44	0.4	1635	3.4
171329	9132215	10	22	55	0.4	2170	2.08
171330	9132216	11	23	67	0.4	2089	2
171331	9132217	9	20	68	0.4	1720	1.16
171332	9132218	6	19	15	0.4	1374	0.74
196400	9132219	11	43	120	0.4	2342	1.96
196401	9132220	21	37	182	0.4	2638	1.98
196402	9132221	21	18	92	0.4	2067	1.45
196403	9132222	12	21	156	0.4	1800	2.11
196404	9132223	25	7	389	0.4	344	2.02
196405	9132224	24	40	115	0.4	3123	0.63
196406	9132225	15	22	56	0.4	1825	0.8
196407	9132226	16	23	68	0.4	2000	1.75
196408	9132227	12	13	18	0.4	1381	1.07
196409	9132228	10	17	33	0.4	1425	2.11
196410	9132229	10	12	28	0.4	1448	1.01
196411	9132230	9	17	26	0.4	1459	1.49
196412	9132231	18	17	37	0.4	1179	1.14
196413	9132232	12	15	36	0.4	1400	1.48
196414	9132233	12	12	29	0.4	1181	0.78
196415	9132234	13	28	39	0.4	1302	3.06
196416	9132235	7	5	4	0.4	1251	0.16
196417	9132236	9	20	36	0.4	1226	1.47
196418	9132237	15	28	50	0.4	1049	1.51
196419	9132238	12	35	33	0.4	1007	2.7
196420	9132239	10	28	38	0.4	1081	2.21
196421	9132240	22	19	49	0.4	875	1.41
196422	9132241	12	25	20	0.4	971	1.55
196423	9132242	8	24	29	0.4	1038	1.34
196424	9132243	11	19	33	0.4	1596	1.43
196425	9132244	24	18	62	0.4	1630	1.29
196426	9132245	10	16	18	0.4	1764	1.02
196427	9132246	8	9	25	0.4	1461	0.96
196428	9132247	12	23	36	0.4	1848	1.64
196429	9132248	15	24	83	0.4	1631	1.49
196430	9132249	14	48	150	0.4	2280	1.75
196431	9132250	10	24	31	0.4	1412	1.87
196432	9132251	14	35	58	0.4	1675	3.41
196433	9132252	21	72	92	0.4	1761	3.01
196434	9132253	11	9	25	0.4	1470	1.06
196435	9132254	11	28	42	0.4	1933	2.29
196436	9132255	10	21	39	0.4	1884	0.92

SAMPLE NO	LAB#	CU(PPM)	PB(PPM)	ZN(PPM)	AG(PPM)	BA(PPM)	FE(%)
196437	9132256	9	44	66	0.4	2386	2.3
186001	9132257	18	21	156	0.4	2627	2.71
186002	9132258	9	6	12	0.4	1407	0.55
186003	9132259	13	19	48	0.4	1428	1.18
186004	9132260	13	34	58	0.4	1811	1.27
186005	9132261	13	25	33	0.4	1396	1.75
186006	9132262	23	35	148	0.4	2286	2.2
186007	9132263	12	24	82	0.4	2005	1.1
186009	9132264	14	19	37	0.4	1685	2.04
186010	9132265	23	23	54	0.4	1284	1.83
186012	9132266	12	26	41	0.4	1293	2.92
186013	9132267	15	55	54	0.4	1544	3.95
186014	9132268	23	27	98	0.4	1291	1.74
186015	9132269	26	41	137	0.4	2573	2.37
186016	9132270	15	67	104	0.4	1763	2.68
186017	9132271	12	18	36	0.4	1074	1.39
186018	9132272	11	27	26	0.4	1084	3.73
186019	9132273	13	27	52	0.4	1257	1.73
186020	9132274	13	13	28	0.4	831	1.58
186021	9132275	10	26	36	0.4	1411	1.99
186022	9132276	16	12	25	0.4	1223	1.04
186023	9132277	20	15	46	0.4	1685	0.94
186024	9132278	14	22	41	0.4	1478	1.57
186025	9132279	11	19	37	0.4	1092	1.62
186026	9132280	11	8	13	0.4	1110	0.85
186027	9132281	10	7	7	0.4	1125	0.34
186028	9132282	10	32	32	0.4	1017	2.62
186029	9132283	11	25	31	0.4	895	2.58
186031	9132284	18	21	36	0.4	1053	2.14
186032	9132285	12	11	21	0.4	1040	1.2
186033	9132286	16	15	39	0.4	1432	1.36
186034	9132287	15	15	31	0.4	1079	1.14
186035	9132288	13	11	23	0.4	1583	1.33
186036	9132289	10	15	24	0.4	1283	1.27
186037	9132290	14	62	48	0.4	1740	2.89
186038	9132291	38	56	84	0.4	1673	3.49
186039	9132292	16	15	29	0.4	2493	1.8
186040	9132293	11	11	24	0.4	1814	1.01
186041	9132294	14	12	21	0.4	1268	0.68
186042	9132295	13	23	51	0.4	1703	2.1
186043	9132296	12	7	13	0.4	1314	0.4
186044	9132297	18	14	26	0.4	1326	1.34
186045	9132298	11	21	39	0.4	1160	1.18
186046	9132299	22	38	79	0.4	1005	1.6
186047	9132300	18	16	47	0.4	991	0.94
186048	9132301	16	13	36	0.4	1031	0.63
186049	9132302	13	12	40	0.4	779	0.98
186050	9132303	14	15	23	0.4	861	0.91
186051	9132304	21	17	43	0.4	900	1.14
186052	9132305	13	10	28	0.4	531	2.45
186053	9132306	8	4	6	0.4	1095	0.44
186054	9132307	19	13	49	0.4	801	1.3
186055	9132308	12	9	11	0.4	1009	0.63
186056	9132309	13	16	40	0.4	862	1.56
186057	9132310	10	25	28	0.4	756	2.57
186058	9132311	25	11	56	0.4	820	2.53
186059	9132312	9	21	15	0.4	725	1.98
186060	9132313	8	32	26	0.4	544	2.26
186061	9132314	10	5	13	0.4	1058	1.67
186062	9132315	11	18	25	0.4	952	1.5

SAMPLE NO	LAB#	CU(PPM)	PB(PPM)	ZN(PPM)	AG(PPM)	BA(PPM)	FE(%)
186063	9132316	19	15	40	0.4	1102	0.81
186064	9132317	12	10	18	0.4	1174	0.66
186065	9132318	21	23	48	0.4	1055	1.56
186066	9132319	16	27	43	0.4	740	1.94
186067	9132320	16	19	32	0.4	764	1.51
186068	9132321	21	21	36	0.4	646	1.72
186069	9132322	16	20	40	0.4	816	1.56
186070	9132323	11	18	44	0.4	1143	1.21
186071	9132324	30	24	65	0.4	734	2.14
186072	9132325	19	19	54	0.4	1174	1.31
186073	9132326	33	29	54	0.4	1131	1.56
186074	9132327	14	21	39	0.4	1802	1.49
186075	9132328	12	6	27	0.4	1412	0.56
186076	9132329	17	20	34	0.4	1551	1.51
186077	9132330	13	9	31	0.4	857	1.49
186078	9132331	15	23	24	0.4	717	2.92
186080	9132332	12	27	23	0.4	637	2.54
186081	9132333	18	14	29	0.4	762	1.7
186082	9132334	15	14	47	0.4	681	1.31
186083	9132335	18	19	48	0.4	556	2.52
186084	9132336	11	24	19	0.4	609	1.15
186085	9132337	10	30	22	0.4	665	2.12
186086	9132338	13	20	26	0.4	771	1.41
186088	9132339	17	35	32	0.4	685	1.54
186089	9132340	18	22	42	0.4	780	1.64
186090	9132341	7	22	148	0.4	1080	2.44
186091	9132342	25	30	124	0.4	1196	2.62
186092	9132343	13	15	64	0.4	909	1.46
186093	9132344	19	19	73	0.4	762	2.17
186094	9132345	12	33	76	0.4	851	3.19
186095	9132346	23	24	96	0.4	1251	2.98
186096	9132347	13	33	117	0.4	1190	3.63
186097	9132348	8	16	70	0.4	816	1.44
186098	9132349	7	11	62	0.4	1020	0.72
186099	9132350	24	26	85	0.4	937	2.21
186100	9132351	14	17	74	0.4	670	2.3
186101	9132352	38	38	91	0.4	686	3.07
186102	9132353	19	21	65	0.4	668	2.97
186103	9132354	25	19	67	0.4	565	3.26
186104	9132355	13	21	81	0.4	751	1.82
186105	9132356	13	26	75	0.4	725	3.98
186106	9132357	17	16	119	0.4	641	1.72
186107	9132358	6	8	47	0.4	782	1.05
186109	9132359	13	9	67	0.4	693	3.17
186110	9132360	21	11	67	0.4	802	2.94
186111	9132361	23	15	81	0.4	689	3.45
186117	9132362	6	12	30	0.4	814	1.11
186118	9132363	10	15	52	0.4	822	2.7
186119	9132364	9	13	28	0.4	841	1.48
186120	9132365	20	13	69	0.4	710	2.96
186121	9132366	9	10	41	0.4	958	1.05
186122	9132367	7	6	16	0.4	989	0.56
186123	9132368	19	20	95	0.4	624	3.55
186124	9132369	19	9	34	0.4	990	0.71
186125	9132370	16	12	63	0.4	719	1.21
186126	9132371	13	18	75	0.4	803	1.31
186127	9132372	10	19	41	0.4	753	2.21
186128	9132373	12	26	123	0.4	719	1.48
186129	9132374	8	19	66	0.4	652	1.99
186130	9132375	9	4	16	0.4	854	0.23

SAMPLE NO	LAB#	CU(PPM)	PB(PPM)	ZN(PPM)	AG(PPM)	BA(PPM)	FE(%)
186131	9132376	12	16	57	0.4	812	0.89
186132	9132377	2	5	13	0.4	1099	0.2
186133	9132378	1	9	12	0.4	891	0.13
186134	9132379	1	5	12	0.4	870	0.28
186135	9132380	9	13	47	0.4	501	2.4
186136	9132381	6	13	53	0.4	754	1.94
186137	9132382	14	21	53	0.4	547	2.54
186138	9132383	7	14	42	0.4	777	1.82
186139	9132384	14	38	43	0.4	565	2.93
186140	9132385	8	17	48	0.4	769	2.09
186141	9132386	17	14	65	0.4	726	2.31
186142	9132387	15	7	55	0.4	814	1.52
186143	9132388	36	20	104	0.4	692	4.53
186144	9132389	10	16	61	0.4	931	1.8
186145	9132390	2	11	20	0.4	952	0.98
186146	9132391	13	14	71	0.4	812	1.56
186147	9132392	21	9	52	0.4	478	3.35
186153	9132393	15	13	61	0.4	1020	1.81
186154	9132394	26	24	73	0.4	658	3.01
186155	9132395	11	6	41	0.4	926	1.21
186156	9132396	14	12	49	0.4	793	0.95
186157	9132397	14	16	53	0.4	789	1.04
186158	9132398	17	15	57	0.4	882	0.99
186159	9132399	18	20	98	0.4	665	1.39
186160	9132400	18	23	80	0.4	749	1.98
186161	9132401	18	21	71	0.4	719	1.95
186162	9132402	10	14	47	0.4	658	2.01
186163	9132403	7	16	42	0.4	603	1.94
186164	9132404	20	20	84	0.4	851	2.31
186165	9132405	32	32	77	0.4	738	2.76
186166	9132406	11	12	35	0.4	1030	0.87
186167	9132407	21	56	69	0.4	602	4.48
186168	9132408	13	11	36	0.4	934	1.52
186169	9132409	25	17	80	0.4	639	2.97
186170	9132410	7	32	40	0.4	770	2.85
186171	9132411	7	14	44	0.4	671	2.09
186172	9132412	25	32	70	0.4	675	2.94
186173	9132413	30	31	94	0.4	621	2.74
186174	9132414	26	24	71	0.4	731	3.31
186175	9132415	12	28	48	0.4	580	4.28
186176	9132416	28	15	73	0.4	1185	2.17
186177	9132417	16	13	66	0.4	1223	1.85
186178	9132418	27	17	106	0.4	708	2.98
186179	9132419	23	13	78	0.4	806	2.91
186180	9132420	23	16	82	0.4	834	2.68
186181	9132421	20	18	61	0.4	809	2.35
186182	9132422	18	15	67	0.4	660	2.8
186183	9132423	9	7	15	0.4	1189	0.36
186184	9132424	10	8	41	0.4	847	0.98
186185	9132425	31	24	104	0.4	760	3.92
186186	9132426	4	4	6	0.4	1181	0.16
186187	9132427	15	11	80	0.4	799	3.55
186188	9132428	20	17	80	0.4	821	2.4
186189	9132429	7	26	43	0.4	867	2.51
186190	9132430	4	10	21	0.4	976	0.9

APPENDIX 4

1991 ROCK GEOCHEMISTRY

SAMPLE NO	LAB#	FIELD#	SIO2%	TIO2%	AL2O3%	FE2O3%	MNO%	MGO%	CAO%	NA2O%	K2O%	P2O5%
M91-72	9110324	9172	70.03	0.33	15.03	3.76	0.01	0.81	0.17	0.05	4.82	0.01
M91-73	9110325	9173	67.53	0.57	17.33	2.89	0.01	0.94	0.17	0.04	5.79	0.06
M91-79	9110326	9179	57.87	0.61	15.1	9.22	0.11	3.58	1.07	0.07	6.89	0.11
M91-80	9110327	9180	58.35	0.65	13.71	8.29	0.12	4.79	2.44	0.04	3.22	0.05
M91-83	9110328	9183	53.7	0.42	10.22	12.35	0.38	1.41	5.21	0.11	2.92	0.08
M91-84	9110329	9184	61.02	0.57	14.24	6.16	0.17	1.26	3.52	0.18	3.87	0.08
M91-85	9110330	9185	61.15	0.66	14.46	7.08	0.04	0.95	2.71	0.19	4	0.08
M91-86	9110331	9186	55.59	0.6	13.02	2.79	0.08	2.77	5.74	0.03	8.68	0.09
M91-87	9110332	9187	65.31	0.79	21.18	0.62	0.01	0.65	0.11	0.01	6.45	0.02
M91-88	9110333	9188	55.49	0.62	16.62	1.84	0.07	2.06	4.12	0.12	11.43	0.18
M91-89	9110334	9189	43.65	2.36	23.52	12.41	0.01	0.74	0.08	0.11	7.39	0.07
M91-90	9110335	9190	63.06	0.65	18.04	1.67	0.01	0.31	0.28	0.11	12.82	0.14
M91-91	9110336	9191	65.32	0.61	17.28	1.04	0.01	0.29	0.14	0.01	12.48	0.06
M91-92	9110337	9192	59.42	0.45	12.05	9.71	0.35	0.95	2.09	1.27	5.52	0.05
M91-97	9110338	9197	61.44	0.42	14.38	1.95	0.1	1.79	5.94	0.35	4.61	0.06
M91-98	9110339	9198	61.07	0.56	17.44	1.12	0.07	0.71	5.04	2.38	4.63	0.11
M91-100	9110340	91100	63.61	0.46	13.9	3.4	0.12	2.17	3.43	0.01	5.13	0.11
M91-101	9110341	91101	58.71	0.58	14.54	10.79	0.08	4.94	0.99	0.01	4.31	0.1
M91-102	9110342	91102	60.52	0.61	15.51	7.5	0.11	1.95	0.73	2.49	6.27	0.12
M91-103	9110343	91103	59.41	0.52	15.25	7.81	0.25	1.41	2.66	0.01	4.86	0.09
M91-104	9111821	91104	61.78	0.56	15.06	2.06	0.06	1.92	3.06	0.39	7.72	0.1
M91-106	9111822	91106	59.77	0.6	14.97	6.9	0.11	4.23	1.74	0.52	5.25	0.1
M91-108	9111823	91108	59.25	0.58	15.39	1.83	0.04	3.06	3.92	0.07	6.3	0.12
M91-109	9111824	91109	59.22	0.74	21.37	1.16	0.01	0.47	0.08	0.11	13.8	0.04
M91-110	9111825	91110	53.69	0.49	21.49	7.59	0.01	0.76	0.19	0.08	8.72	0.16
M91-111	9111826	91111	59.2	0.58	21.5	2.53	0.01	0.65	0.14	0.04	10.82	0.14
M91-112	9111827	91112	61.55	0.48	14.21	9.99	0.54	1.07	0.9	0.04	4.62	0.05
M91-113	9111828	91113	61.63	0.35	14.93	6.44	0.29	0.58	1.9	0.11	8.74	0.06
M91-114	9111829	91114	63.23	0.36	14.43	7.69	0.22	0.61	2.42	0.04	4.87	0.06
M91-115	9111830	91115	61.26	0.4	16.7	6.69	0.2	0.88	1.98	0.57	5.04	0.06
M91-116	9111831	91116	52.83	1.11	17.04	8.62	0.26	1.09	4.65	0.09	5.75	0.31
M91-117	9111832	91117	63.69	0.44	16.27	3.54	0.05	1.12	1.73	0.05	7.11	0.1
M91-119	9111833	91119	52.54	0.33	13.54	16.19	0.2	1.9	0.37	0.08	4.31	0.05
M91-121	9111834	91121	60.18	0.81	21.63	1.35	0.01	0.76	0.09	0.05	11.81	0.06
M91-122	9111835	91122	67.51	0.7	17.86	1.86	0.01	0.54	0.1	3.26	4.44	0.05
M91-123	9111836	91123	62.2	0.58	16.79	3.31	0.09	0.66	1.56	2.08	8.7	0.17
M91-125	9111837	91125	57.95	0.39	18.03	4.19	0.17	0.6	1.86	0.07	11.79	0.09
M91-126	9111838	91126	67.29	0.58	14.51	4.03	0.02	0.39	0.24	0.01	9.08	0.03
M91-132	9111839	91132	63.89	0.35	14.86	9.68	0.16	0.7	0.1	0.01	4.71	0.05
M90-F5	9011276	-905	63.05	0.49	14.43	5.5	0.09	1.69	2.48	0.01	4.82	0.1
M90-F6	9011277	-906	60.83	0.51	16.61	6.06	0.09	1.59	1.3	0.01	5.5	0.11
M90-F7	9011278	-907	69.72	0.56	15.56	3.32	0.01	0.79	0.18	0.01	5.94	0.09
M90-F8	9011279	-908	64.87	0.54	16.32	5.08	0.02	1.08	0.35	0.01	5.47	0.1
M90-F9	9011280	-909	66.94	0.44	16.17	4.42	0.02	0.81	0.07	0.01	6.53	0.03
M90-F10	9011281	-9010	63.25	0.55	15.39	5.92	0.01	0.38	0.05	0.01	9.53	0.04
M90-F11	9011282	-9011	63.79	0.5	17.32	3.9	0.02	1.22	0.49	0.01	8.21	0.11
M90-F12	9011283	-9012	65.85	0.37	15.63	4.23	0.01	0.35	0.06	0.01	9.93	0.03
M90-F13	9011284	-9013	68.01	0.91	17.64	2.52	0.01	0.48	0.31	0.01	5.69	0.16
M90-F14	9011285	-9014	67.72	0.31	12.94	6.25	0.12	0.27	0.14	0.01	8.83	0.02
M90-F15	9011286	-9015	70.72	0.38	13.68	3.69	0.01	0.3	0.07	0.01	7.15	0.01
M90-F16	9011287	-9016	33.98	1.3	11.66	3.36	0.2	1.51	22.77	0.01	3.1	0.28
M90-F17	9011288	-9017	34.47	0.32	6.28	19.03	0.65	3.09	9.77	0.01	1.65	0.05
M90-F18	9011289	-9018	55.66	0.47	10.21	9.95	0.29	1.09	3.86	0.01	0.06	0.17
M90-F19	9011290	-9019	58.13	0.5	10.86	8.68	0.27	0.34	2.65	0.01	0.06	0.12
M90-F20	9011291	-9020	52.96	0.49	11.22	14.15	0.43	1.67	4.12	0.01	0.14	0.12
M90-F21	9011292	-9021	43.69	0.46	10.07	21.54	0.72	1.85	2.19	4.04	0.81	0.09
M90-F22	9011293	-9022	46.12	0.27	6.45	11.68	0.36	1.32	4.12	0.34	0.2	0.1
M90-F23	9011294	-9023	55.48	0.48	10.27	9.39	0.29	1.21	5.34	0.01	0.08	0.18
M90-F24	9011295	-9024	59.86	0.65	14.59	9.22	0.2	0.67	2.08	3.58	2.79	0.1
M90-F25	9011296	-9025	54.91	0.58	17.2	4.73	0.04	0.41	3.29	0.01	12.56	0.18

SAMPLE NO	BAI	LOI%	TOTAL%
M91-72	0.29	4.07	99.38
M91-73	0.16	4.05	99.54
M91-79	0.44	4.42	99.49
M91-80	0.21	7.46	99.33
M91-83	0.34	12.03	99.17
M91-84	0.32	7.6	98.99
M91-85	0.45	6.19	97.96
M91-86	0.38	7.79	97.56
M91-87	0.54	3.31	99
M91-88	0.3	6.04	98.89
M91-89	0.13	9.47	99.94
M91-90	0.22	2.08	99.39
M91-91	0.26	1.57	99.07
M91-92	0.05	7.02	98.93
M91-97	0.05	7.62	98.71
M91-98	0.08	5.95	99.16
M91-100	0.08	6.86	99.28
M91-101	0.13	4.89	100.07
M91-102	0.23	3.82	99.86
M91-103	0.16	6.93	99.36
M91-104	0.2	5.85	98.76
M91-106	0.22	5.47	99.88
M91-108	0.48	7.65	98.69
M91-109	0.26	2.13	99.39
M91-110	0.16	6.22	99.56
M91-111	0.18	3.4	99.19
M91-112	0.14	5.91	99.5
M91-113	0.12	4.23	99.38
M91-114	0.17	5.4	99.5
M91-115	0.15	5.71	99.64
M91-116	0.12	7.62	99.49
M91-117	0.31	4.44	98.85
M91-119	0.12	10.28	99.91
M91-121	0.12	2.57	99.44
M91-122	0.22	3.39	99.94
M91-123	0.11	3.31	99.56
M91-125	0.12	3.58	98.84
M91-126	0.26	3.28	99.72
M91-132	0.2	5.03	99.74
M90-F5	0.24	5.56	98.46
M90-F6	0.54	5.06	98.21
M90-F7	0.16	3.6	99.94
M90-F8	0.7	4.87	99.41
M90-F9	0.15	4.33	99.92
M90-F10	0.23	4.35	99.71
M90-F11	0.19	4.17	99.93
M90-F12	0.17	3.16	99.8
M90-F13	0.13	3.79	99.66
M90-F14	0.07	2.8	99.48
M90-F15	0.16	3.19	99.37
M90-F16	1.3	19.57	99.04
M90-F17	0.07	19.02	94.41
M90-F18	0.12	10.65	92.54
M90-F19	0.09	10.02	91.73
M90-F20	0.05	13.06	98.42
M90-F21	0.03	13.93	99.42
M90-F22	0.06	13.39	84.41
M90-F23	0.07	12	94.8
M90-F24	0.19	5.58	99.51
M90-F25	0.08	5.6	99.59

SAMPLE NO	LAB#	FIELD#	SIO2%	TIO2%	AL2O3%	FE2O3%	MNO%	MGO%	CAO%	NA2O%	K2O%	P2O5%
M90-F26	9011297	-9026	61.5	0.62	18.7	2.19	0.01	0.51	0.07	0.01	13.39	0.05
M90-F27	9011298	-9027	65.68	0.43	14.45	5.1	0.01	0.14	0.08	0.01	10.65	0.07
M90-F28	9011299	-9028	58.54	0.73	22.34	1.38	0.01	1.26	0.07	0.01	11.41	[illegible]
M90-F29	9011300	-9029	71.3	0.74	17.17	1.07	0.01	0.19	0.07	0.01	4.44	0.04
M90-F30	9011301	-9030	67.06	0.41	17.53	3.65	0.02	0.92	0.06	0.01	6.19	0.06
M90-F31	9011302	-9031	62.8	0.58	14.05	8.03	0.01	0.1	0.14	4.23	5.07	0.04
M90-F32	9011303	-9032	52.05	0.43	6.29	6.97	0.03	6.62	9.08	0.01	1.21	0.19
M90-F33	9011304	-9033	63.67	0.67	16.85	6.37	0.01	0.22	0.41	0.01	4.51	0.06
M90-F34	9011305	-9034	2.7	0.06	0.71	45.14	0.04	5.95	8.34	0.01	0.09	0.04
M90-F35	9011306	-9035	3.18	0.03	0.01	0.48	0.03	0.62	29.8	0.01	0.07	0.02
M90-F36	9011307	-9036	60.28	0.47	15.62	1.71	0.01	0.1	4.57	0.01	11.72	0.18
M90-F37	9011308	-9037	63.16	0.68	18.9	1.87	0.01	0.14	0.12	0.01	11.12	0.09
M90-F38	9011309	-9038	52.55	1.09	29.18	1.13	0.01	0.52	0.06	0.01	9.93	0.09

SAMPLE NO	BAX	LOIX	TOTALX
M90-F26	0.17	2.33	99.55
M90-F27	0.12	2.86	99.6
M90-F28	0.57	2.84	99.18
M90-F29	0.52	3.25	98.91
M90-F30	0.11	3.53	99.55
M90-F31	0.03	4.56	99.64
M90-F32	0.99	14.16	98.03
M90-F33	0.85	5.43	99.06
M90-F34	0.07	24.45	87.6
M90-F35	0.03	45.42	99.7
M90-F36	2.66	1.77	99.1
M90-F37	0.5	2.94	99.54
M90-F38	0.29	4.44	99.3