ARIS SUMMARY SHEET

District Geologist, Kamloops

Off Confidential: 90.11.17

ASSESSMENT REPORT 19846 MINING DIVISION: Kamloops

PROPERTY: FY & Fy-Anna
LOCATION: LAT 51 15 00 LONG 119 59 00
UTM 11 5681636 291800
NTS 082M05W

CAMP: 039 Adams Plateau - Clearwater Area

CLAIM(S): FY 1-2
OPERATOR(S): Minnova
AUTHOR(S): Heberlein, D.R.
REPORT YEAR: 1990, 55 Pages
COMMODITIES
SEARCHED FOR: Lead,Zinc
KEYWORDS: Paleozoic,Eagle Bay Formation,Tuffs,Lapilli tuffs
Quartz-feldspar porphyry,Argillites,Sphalerite,Galena

WORK
DONE: Geochemical,Physical,Drilling
DIAD 534.8 m 5 hole(s);NQ
LINE 19.0 km
SAMP 24 sample(s) ;ME
SOIL 581 sample(s) ;CU,PB,ZN,AU,AG,AS,SB
Map(s) - 8; Scale(s) - 1:5000

RELATED
REPORTS: 17264,18489

FILMED

ASSESSMENT REPORT

on the

1989 SOIL GEOCHEMICAL SURVEY
and
DIAMOND DRILL PROGRAM

FY and FY-ANNA GROUPS

KAMLOOPS MINING DIVISION

NTS 82M/5W

Lat: 51° 15'N Long: 119° 59'W

Owner and Operator:

Minnova Inc.
311 Water Street,
Vancouver, B.C.
V6B 1B8

D.R. Heberlein
March 20, 1990

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1. INTRODUCTION

1.1 General:

The FY Group of claims are part of a large land position held by Minnova Inc. in the Barriere area of south-central B.C. The claims cover rocks of the Paleozoic, Eagle Bay Assemblage and Lower Fennell Fm. (Schiarizza and Preto, 1987) that are considered to be favourable hosts volcanogenic massive sulphide mineralization.

This report details the results of a line-cutting, soil geochemical survey and diamond drilling program that was carried by Minnova Inc. between June 1 and September 30, 1989 on the FY 2 and 3 claims.

1.2 Location and Access:

The claim group is located on the north flank of the Barriere River valley approximately 15km east-northeast of the town of Barriere (Fig. 1). Access to the property is via the Barriere Lakes Road and the Bottrell Creek logging Road. On the property a network of minor logging roads provides excellent access to most areas.

1.3 Physiography:

Physiographically, the claim area lies within the Adams Plateau; an area typified by rolling mountain country, dissected by steeply incised east-west trending river valleys.

The FY Group is situated on a moderately steep, southeast facing slope between 550m and 1100m in elevation. The property is bounded to the south and east by the Barriere River and to the west and north by Bottrell and Sprague Creeks respectively.

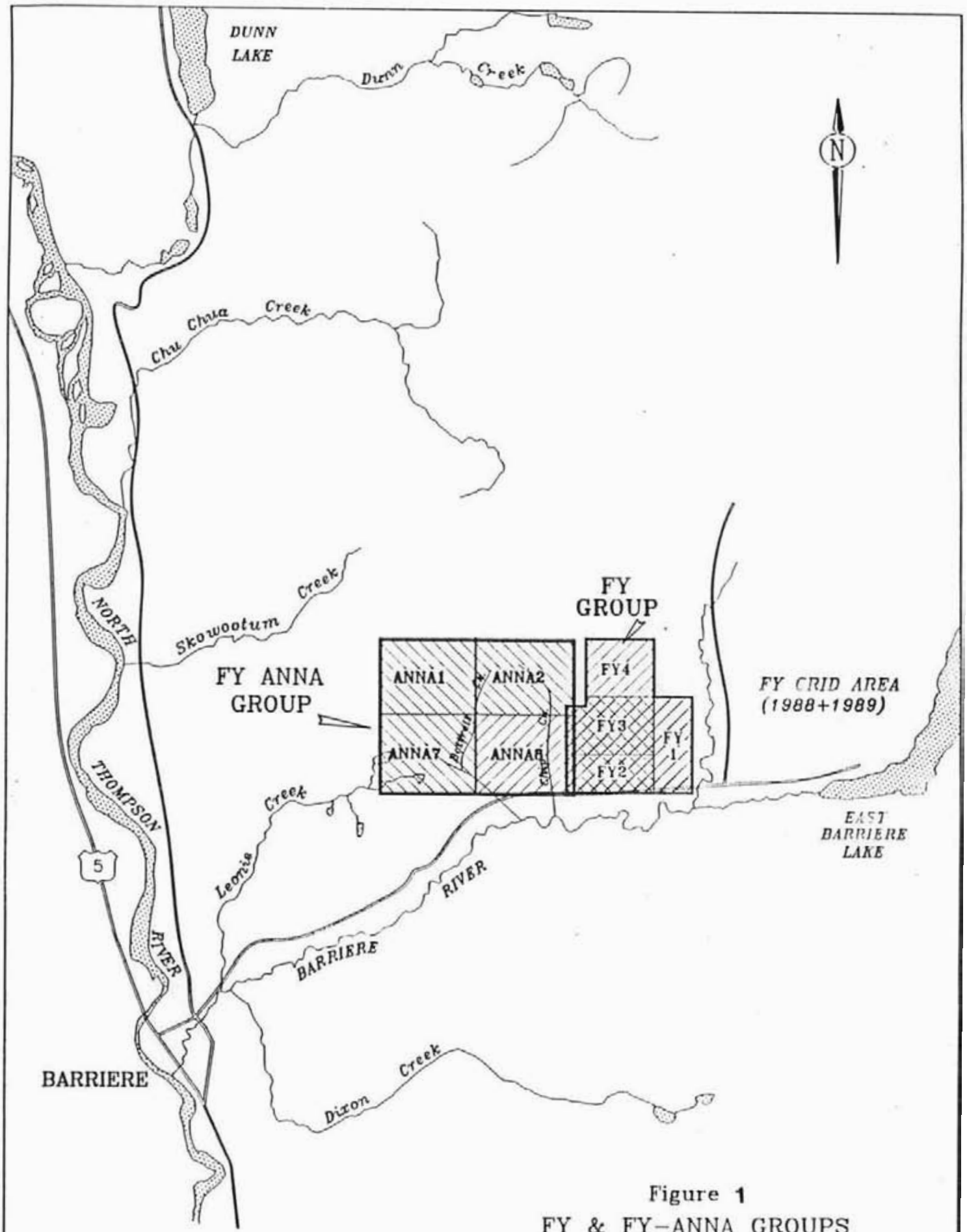


Figure 1
FY & FY–ANNA GROUPS
CLAIM LOCATION MAP

MINNOVA Inc. 3km DH/sg MARCH 1990

1.4 Property History:

The FY claims were acquired by Minnova Inc. in 1986. Work completed on the property prior to 1989 included the establishment of a 25 line kilometre grid, soil geochemistry, Max-Min, geological mapping and lithogeochemical sampling.

In 1988 a 600.9m diamond drill program was carried out on the grid area to test geochemical and geophysical targets identified by the surface exploration program. Results of the drilling are reported in a previous assessment report (Blackadar, 1989).

2. CLAIMS AND OWNERSHIP

The claim group (Fig. 2) consists of 5 claims, totalling 86 units. Claim data is summarized in Table 1 below:

TABLE 1 LIST OF CLAIMS

CLAIM	REC NO.	UNITS	EXPIRY DAT
FY GROUP			
FY 1	6496	12	01-17-95 *
FY 2	6497	18	01-17-93
FY 3	6498	18	01-17-95
FY 4	6499	18	01-17-92
ANNA 8	5340	20	12-28-91
FY-ANNA GROUP			
FY 2	6497	12	01-17-93
FY 3	6498	18	01-17-95
ANNA 1	5332	20	12-28-92
ANNA 2	5333	20	12-28-92
ANNA 7	5339	20	12-28-92

* Assuming acceptance of this report.

The property is operated by Minnova Inc. in a joint venture with Big Ben Resources Ltd.

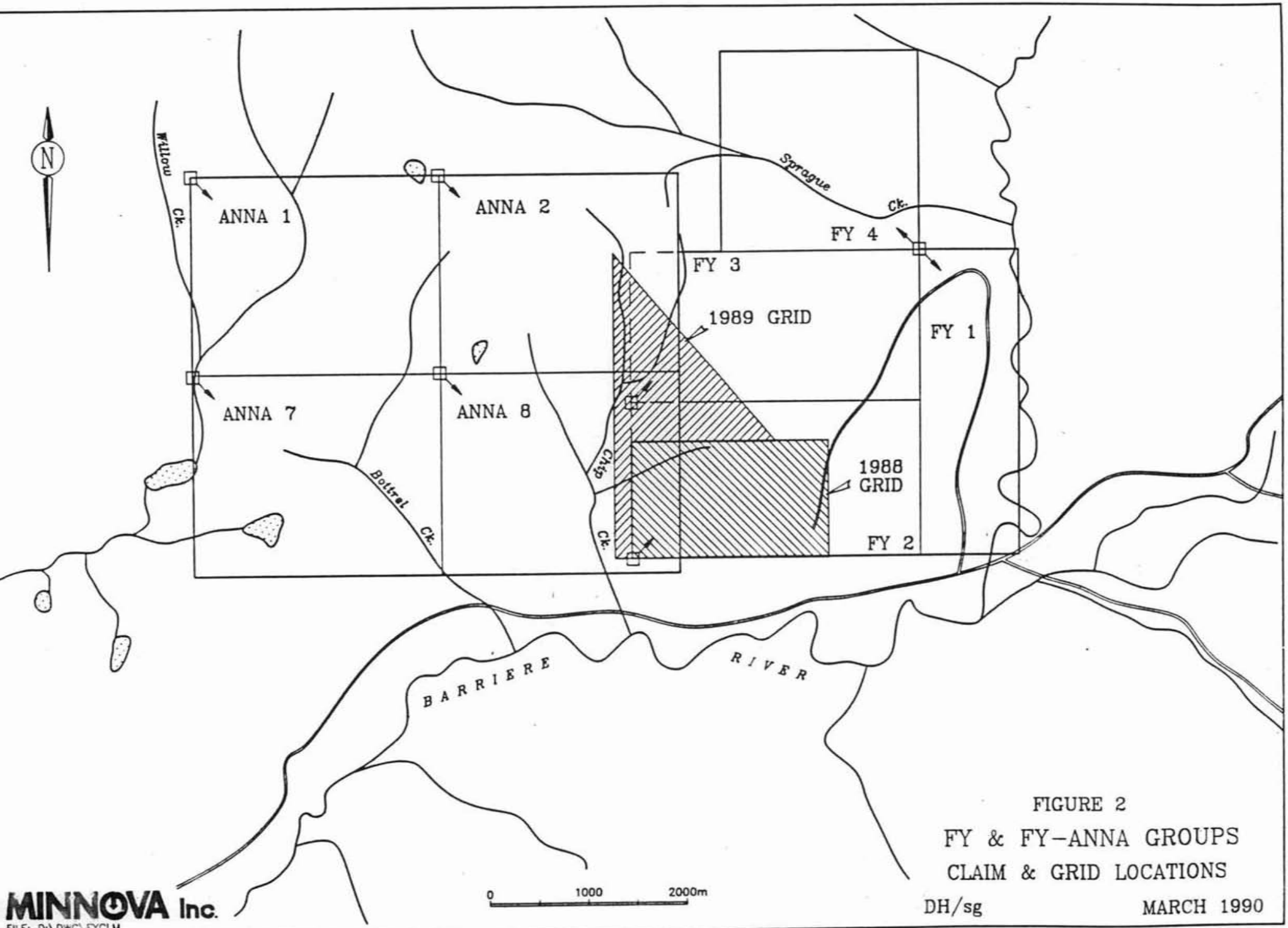


FIGURE 2

FY & FY–ANNA GROUPS

CLAIM & GRID LOCATIONS

DH/sg MARCH 1990

MINNOVA Inc.

FILE: D:\DWG\FYCLM

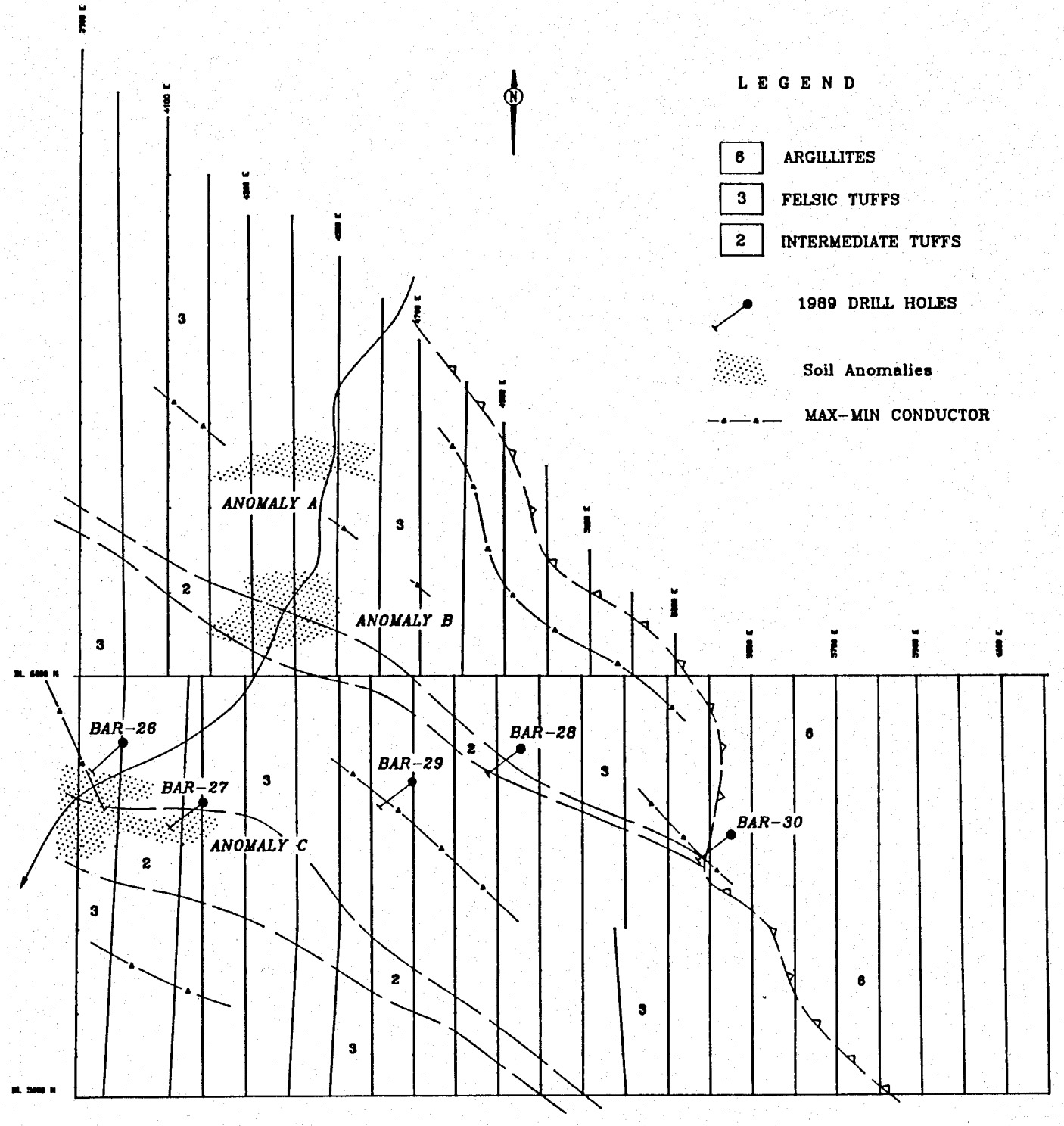
3. GEOLOGY

The grid area is underlain by Paleozoic volcanic and sedimentary rocks of the Eagle Bay Assemblage (Schiarizza and Preto, 1987). Two principle units have been recognized: Unit EBF, consisting of felsic to intermediate pyroclastic rocks, and Unit EBP typified by slates, siltstones and fine wackes (Fig. 3). These units are separated by a major east-northeast trending fault, the Barriere River Fault, that traverses the FY 4 claim.

Unit EBF rocks are well exposed on the steep slope at the south end of the property. They consist of moderately foliated pale green to grey phyllites with locally interspersed quartz eye and/or lapilli bearing fragmental units (Unit 3 - Fig. 3). More intermediete units characterized by chloritic phyllites (Unit 2 - Fig. 3) occur sporadically throughout the sequence. Primary textures in all of these units are generally poorly preserved or absent.

EBP rocks in the northeast part of the property are for the most part poorly exposed. They are dominated by black, grey and pale green slates and phyllites with locally narrow beds of wacke (Unit 6 - Fig. 3). These rocks are strongly folded with a well developed slaty cleavage. A later crenulation cleavage has also been noted in this unit.

All rock units in the property area strike to the west-northwest and dip moderately (30 to 50°) to the north-northeast.



MINNOVA Inc.

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FY GRID
GEOLOGY & DRILL HOLE LOCATION MAP

DH/sg FIGURE 3 MARCH 1990

4. SOIL SURVEY

4.1 General:

The 1989 soil survey was carried outpto extend geochemical coverage over the volcanic rocks to the north of the 1988 soil grid (Fig. 2). This work was done as part of an on-going exploration program on the FY property by Minnova Inc.

581 soil samples consisting of Bf horizon material (where present) were collected at 25m stations on cut and flagged grid lines spaced 100m apart. Sample depth ranged from 5 to 25 cm. All samples were placed in Kraft type paper sample bags and dried in the field. Field parameters such as sample colour, wetness, soil horizon, and underlying rock-type (where possible) were recorded by the samplers.

Analyses for Ag, As, Cu, Pb, Zn, Sb and Au were done at Min-En Labs in North Vancouver. Each sample was sieved to -80 mesh and a split digested by a standard aqua-regia digestion. Base metals were determined by ICP and gold by Fire Assay with an AA finish.

4.2 Statistics and Anomaly Selection:

Geochemical data for the soil samples has been treated statistically to determine thresholds and contour intervals for anomalous values. This was done using histograms and cumulative probability plots after the method of Sinclair (1976). Summary statistics for each element are presented in Table 2. Raw data and corresponding histograms are included in Appendix I at the rear of this report. Anomalies are defined as groups of two or more contiguous values that exceed a statistically defined threshold value (background).

TABLE 2 SUMMARY STATISTICS

ELEMENT	MIN (PPM)	MAX	MEAN	S.DEV.	LOG MEAN	LOG S.DEV
Ag	0.1	5.9	1.201	0.552	0.0302	0.2376
As	1	102	11.56	8.779	0.9167	0.4048
Cu	4	243	20.39	18.920	1.2209	0.2515
Pb	1	241	23.61	16.718	1.3834	0.1529
Sb	1	13	1.49	1.205	0.6610	1.6280
Zn	5	1086	113.32	66.820	2.0134	0.1777
Au	5	260	-	-	-	-

TABLE 3 SELECTED CONTOUR INTERVALS

ELEMENT	BKGRND	WEAKLY	MOD. ANOMALOUS	HIGHLY
Ag	<1.4	1.5-1.7	1.7-1.9	>1.9
As	<18	19-24	25-30	>30
Cu	<25	26-40	41-50	>50
Pb	<120	121-150	151-180	>180
Sb		>3	-	-
Zn	<110	111-130	131-150	>150
Au		>15	-	-

4.3 Results:

Maps showing the distribution of each element are presented at 1:5,000 scale in Figures 4 to 10. Three well defined, multi-element anomalies are present on the grid. These are identified as Anomalies A, B and C in Figure 3.

Anomaly A is a coincident Cu-Pb zone centred at 4500E, 6500N. The zone has a marked elongation in an east-west direction and a maximum dimension of 450m. Its narrow width of 50m suggests that it has a well constrained source. As the axis of the anomaly lies parallel with the topographic contours at a break in slope it is interpreted to be a groundwater seepage zone. This feature also

straddles the Chip Creek drainage area.

Anomaly B lies 300m south of Anomaly A. It consists of a zone of coincident, anomalous Cu-Pb-Ag values centred at 4400E, 6200N. This feature corresponds with an area of swampy ground that lies adjacent to Chip Creek. Once again this zone can be explained as a hydromorphic anomaly, most probably caused by scavenging of metals by organic material.

Anomaly C consists of a coincident Pb-Zn anomaly, centred at 3900E, 5650N. As with Anomalies A and B it lies close to the Chip Creek drainage in an area where organic rich soils and wet ground are prevalent. Because of this, the anomaly is attributed to organic scavenging and is not considered to be an important target.

5. DIAMOND DRILLING

5.1 General:

The diamond drill program was carried out between September 16th and 22nd, 1989. Drilling was performed by Frontier Drilling Ltd. of Langley, B.C., using a skid-mounted Longyear Super 38 drill and NQ rods. Drill core was logged by Chris Wild at Minnova's warehouse in Barriere. The core is also stored at that location (Fig. 2).

Five holes, totalling 534.8m were completed. Collar locations and hole statistics are summarized in Table 3 and Figure 13.

TABLE 4. 1989 DRILLHOLE LOCATIONS

HOLE	NORTHING	EASTING	DIP	AZIMUTH	LENGTH
BAR-26	58+00mN	39+93mE	-45	240°	108.8m
BAR-27	57+00mN	42+00mE	-45	235°	108.8m
BAR-28	58+50mN	49+50mE	-45	225°	130.1m
BAR-29	57+50mN	47+00mE	-45	225°	102.7m
BAR-30	56+30mN	54+00mE	-45	225°	84.4m
				TOTAL	534.8m

5.2 Results:

The holes were targeted on soil geochemical and geophysical anomalies that were identified during the 1988 field program. Results of each hole are discussed below. Detailed drill logs and results from lithogeochemical samples are included in Appendix II.

BAR-26 was drilled to test a coincident Pb-Zn soil anomaly and Max-Min conductor lying within the intermediate volcanic sequence. The hole intersected a weakly sericitized and ankeritized sequence of quartz phyric dacite tuffs and flows with narrow argillite bands

(10.9-11.3m, 17.6-18.9m, 32.2-33.9m and 52.8-58.5m). These sediment intervals were found to be weakly to moderately graphitic with trace to 5% disseminated pyrite along sedimentary laminae. Two intervals of veining were intersected in this hole. The first (9.2-10.9m), consisted of a quartz-calcite stockwork with associated chlorite and sericite alteration on vein margins. No sulphides were noted. The second (11.3-12.5m) consisted of a highly fractured "bull" quartz vein with 2-5% cross cutting pyrite stringers. Sericite and chlorite were noted on fracture surfaces.

BAR-27 was drilled to test a the source of a Pb-Zn soil anomaly within the felsic to intermediate sequence. The hole intersected weakly sericitized and carbonatized, feldspar and quartz phyric dacite from 3.1 to 108.8m. Weak pyrite mineralization was noted at three locations in the hole. From 3.1 to 4.6m pyrite (2%) is present as fine stringers in a hematite and limonite stained zone. Similar pyrite stringers and disseminations (5%) were noted from 10.9-12.4m. Here they are associated with narrow quartz and calcite veinlets in a zone of moderate to intense, pervasive calcite alteration and silicification. Between 15.3 and 17.1m a 2 to 3cm wide cross-cutting quartz vein (10 degrees to the core axis) with 15% pyrite as selvages was noted.

BAR-28 was collared to test a 50m wide band of chloritic phyllite that appears to be the source for several Zn-Cu-Pb-Au soil anomalies. Disseminated galena and pyrite have been seen in outcrops of this unit.

The hole penetrated a continuous section of intermediate to felsic (dacite) lapilli tuffs and ash tuffs (3.1 to 130.1m). These rocks were found to be essentially unaltered and pyrite was only noted in trace amounts (42.1-42.6 3-5%, 48.7-59.6 1%, 83.0-83.4 5% and 104.5-106.6 10%). The soil anomaly was not explained.

BAR-29 was drilled 100m to test a Zn-Ag-Cu-Pb soil anomaly that lies downhill to the south and west of a 1988 hole that intersected a 4cm wide massive galena-sphalerite veinlet. The hole penetrated a continuous section of slightly sericitized dacite tuffs from 3.1 to 102.7m. Disseminated pyrite (2-3%) was noted from 3.1 to 45.0m, 57.5 to 62.2m and 62.4-102.7m.

BAR-30 was drilled to test a 200m long Max-Min anomaly located close to the northeast contact of the intermediate/felsic volcanic package. A trench over this feature in 1988 returned a 450ppb gold from a sample of brecciated argillite and wacke. The hole collared in a quartz phyric unit, interpreted to be rhyolite (9.1-to 47.7m). This rock was weakly sericitized and pyritic throughout (trace to 5%). A fault with well developed breccia and gouge was encountered from 47.7 to 47.8m. Below this the hole penetrated a sequence of finely bedded slate and siltstone, that showed a high degree of folding in places. Pyrite was present in these rocks as cleavage parallel stringers.

6. CONCLUSIONS AND RECOMMENDATIONS

No geologically significant soil anomalies were defined by the soil survey. All elements demonstrated only weak variations that can be attributed to background noise or hydromorphic scavenging of metals in boggy areas. No follow-up work is recommended.

This diamond drill program did not produce any significant mineralized intersections. Conductors tested in holes BAR-26 and BAR-30 were satisfactorily explained by the presence of graphitic sediments. None of the soil geochemical anomalies tested were explained by the drilling. The presence of any significant mineralization in the vicinity of these anomalies is unlikely as the intermediate and felsic units encountered showed little evidence alteration or mineralization. No follow-up work is recommended.

7. REFERENCES

Blackadar, D.M., 1988; Drilling Report on the FY Group. Assessment Report filed February, 1989.

Schiarizza, P. and Preto, V. A., 1987; Geology of the Adams-Plateau-Clearwater, Vavenby Area. B.C. MEMPR, Paper 1897-2, 88pp.

APPENDIX I

DRILL LOGS

HOLE NUMBER: BAR 26

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: BAR 1989	PLOTTING COORDS GRID: FY GRID (1988)	ALTERNATE COORDS GRID:	COLLAR DIP: -45° 0' 0"
PROJECT NUMBER: 215	NORTH: 5800.00N	NORTH: 58+ ON	LENGTH OF THE HOLE: 108.80m
CLAIM NUMBER: BAR-26	EAST: 3993.00E	EAST: 399+ 3	START DEPTH: 0.00m
LOCATION: FY GRID - CHIP CK.	ELEV: 841.00	ELEV: 841.00	FINAL DEPTH: 108.80m

COLLAR GRID AZIMUTH: 240° 0' 0" COLLAR ASTRONOMIC AZIMUTH: 240° 0' 0"

DATE STARTED: September 16, 1989	COLLAR SURVEY: NO	PULSE EM SURVEY: NO	CONTRACTOR: FRONTIER DRILLING Ltd.
DATE COMPLETED: September 17, 1989	MULTISHOT SURVEY: NO	PLUGGED: NO	CASING: LEFT IN HOLE
DATE LOGGED: September 17, 1989	RQD LOG: NO	HOLE SIZE: NQ	CORE STORAGE: BARRIERE WAREHOUSE.

PURPOSE: TO TEST A MODERATE STRENGTH MAXMIN CONDUCTOR WITH COINCIDENT PB-ZN SOIL ANOMOLIES.

DIRECTIONAL DATA:

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
69.20	-	-45° 0'	ACID	OK		-	-	-	-	-	
108.80	-	-49° 0'	ACID	OK		-	-	-	-	-	
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HOLE NUMBER: BAR 26

MINNOVA INC.
DRILL HOLE RECORD

DATE: 15-December-1989

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.05	«CASING»					
3.05 TO 9.20	«QFP»	Pale grey/green, fine grained with coarse round to rectangular white feldspars (upto 5mm long) and dark grey round qtz. eyes (~20mm dia., upto 5% of rock).		Weakly sericitized, silicified.	2-3% fine grained cubic pyrite, occ. py stringer.	
	3.1-7.5 4.7-4.9	Qtz. veining with coarse rhombohedral crystals of moderately oxidized ankerite.		Oxidized, especially on fractures.		8.2-11.3 60% core recovery.
9.20 TO 10.90	«QTZ-CB VN»	Probably very poor core recovery; mainly qtz.-carb and chlorite veining with sericite partings.		20-30% white calcite.		
10.90 TO 11.30	«ARG»	Dark grey to black, fine grained siliceous argillite, possibly tuffaceous. Contorted layering, weakly graphitic.			5% pyrite, finely diss. and as fol. parallel stringers.	
11.30 TO 12.50	«QTZ VEIN»	Hard dirty white, strongly fractured with sericite chlorite partings.			2-5% py stringers.	11.3-13.1 30% core recovery.
12.50 TO 13.10	«QFP»	Bright green. Qtz. eyes and altered feldspar phenocrysts (ser-clay) still visible.		Intensely sericitized.		Soft, flaky.
13.10 TO 17.60	«FELSIC PYRO»	Fine grained, pale greenish-grey, sections with well defined lapilli.		Weakly sericitized, silicified.	2% blebby pyrite.	
	13.1-13.6	Massive, fractured, no lapilli discernible. 13.4 1-2cm black argillite. 13.5-13.6 qtz. vein cuts underlying contact.				
	13.6-13.9	Black «arg» with felsic clasts near upper contact. 13.7-13.8 qtz. vein ~3-4cm true thickness 13.8-13.9 mixed felsic-argillite breccia with pinched and rolled qtz. layers (older veinlets?) Lower contact	50 20 50			
	13.9-17.6	Good lapilli, occ. black argillite clasts in matrix. Lower contact	45			Conformable contact.

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
17.60 TO 18.90	«ARG»	Dark grey to black, weakly to mod. graphitic with rhyolite clasts and bedded tuffs.				
	17.7-17.8	Grey interbedded felsic ash tuff BEDDING	40		Fine grained diss.py.+py. stringers ~5%	
	18.5-18.6	Grey felsic ash tuff	40			
	18.9	LOWER CONTACT	40			
		Qtz. vein				
18.90 TO 32.20	«QFP»	Pale green, fine grained weakly feldspar phyric rhyolite with rare Qtz. eyes.				
	18.9-24.7	Fairly homogenous. Occasional 1-5cm white, patchy qtz.-carbonate veins. No perceptible wallrock alteration.		Mod. to strongly sericitized weakly silicified.	2-5% pyrite, disseminated and in discrete stringers.	
		23.4-23.5 Shear				
	24.7-28.3	Highly sericitized, silicified and pyritized rhyolite. Bright green, very soft sericitic bands up to 5cm thick.	60	Strongly sericitic.	3-5% pyrite as med. grained disseminations and thin stringers.	
		Sections of pale grey, very hard silicified rhyolite with cloudy, whispy sericite. Spotted with fine grained py.		Strongly silicified.		
	28.3-32.2	Pale green, indistinct phenos of feldspar; occ. qtz. eyes. Developing foliation esp. at lower contact.	30	Intensely sericitic on partings.		
		Increasing sericite and compressional shearing at lower contact. Incipient folding.				
32.20 TO 33.90	«GR ARG»	Black, strongly graphitic argillite with thinnly interlaminated pale grey siltstone beds.	55		3-5% coarse 'bedded' py.	
33.90 TO 34.20	«FAULT»	5cm of black graphitic clay and green sericitic clay gouge.	55			
		15cm of brecciated rhyolite mixed with black graphitic argillite. 10cm of intensely sheared green sericitic rhyolite.				
34.20 TO 52.80	«QFP»	Pale green, relatively fine grained, with 1mm phenocrysts of feldspar and occ. (<1%) qtz. eyes. Qtz. veining is common.		Moderately sericitized, silicified.	3-5% pyrite, common in stringers also finely disseminated.	
	34.2-36.5	Occasional graphitic partings.				
	37.7-51.3	Strong qtz. veining; white, ~20% carbonate.		Very sharp, clean contacts.		
		38.0 pyrite stwk.				
		38.1-38.6 2-3cm thick qtz. vein.	10			
		39.6-40.4 >50% qtz. stringers.				
		40.9-42.1 40-50% qtz. str. Sand and clay at shear.				75% core recovery.
		44.2-45.2 80% Qtz. stringers.				
		47.3-47.8 Qtz. vein with patchy dolomite.			10% very fine grained hard msv py. stringers and coarse cubes.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	⟨51.6-52.8⟩	48.8-51.2 thin qtz. str.at very low angles to CA. «BRECCIA» Clearly identifiable, fine grained QFP clasts in a weakly graphitic matrix. Finer grained at lower contact.	05		3% pyrite mainly as stringers	
52.80 TO 58.50	«ARG»	Black, fine grained with minor felsic tuff interbeds; more massive looking, less intensely sheared only weakly graphitic.				
	52.8-53.3	Mixed felsic tuff in argillite matrix.			3% stringer pyrite.	
	53.3-54.0	Fine grained black argillite, finely laminated with sigmoidal qtz. 'sweats'.				
		Carbonaceous partings on foliation.	58			
	54.0-54.4	Pale grey, fine grained qtz.-feld «CRYSTAL/ASH TUFF»				
		FOLIATION	30			53.9-55.5: 50% core recovery.
	54.4-58.5	Black, weakly graphitic argillite.			5% stringer pyrite and fine grained diss.	
		56.3-56.7 felsic clasts in fine grained arg. matrix				
		LAYERING (alignment of lapilli)	60			
		58.4-58.5 mixed felsic and argillite clasts in fine grained, grey, silty matrix. Loses fragments in last 5cm.				
		Qtz. vein up to 3cm thick at contact	25			
58.50 TO 108.80	«FEL TUFF»	Medium grey to pale green clastic looking, homogenous massive, competent. Poorly sorted clasts of feldspar, qtz. and finer mafics in a darker, fine grained matrix.		Darker matrix may reflect more mafics in ground mass, possibly argillite.		Possibly more intermediate in composition.
	61.1-73.6	Pale green, clasts are more 'ghostly'. Still very competent. Occasional. qtz. eye present.		More sericitic in matrix.		
	73.6-74.1	Black, fine grained matrix with coarse white feldspar/rhyolite clasts ~20% of rock volume (as rest of felsic tuff package). Poorly sorted, angular clasts. Gradational upper & lower contacts	55			Probably darker ash component in tuff. Lower contact grades to pale green tuff over 10-15cm.
	74.1-82.0	Pale green, fine grained, sections with faint white felsic clasts.		Occasional calcite stringer, weakly calcareous matrix; weakly sericitic.	1-2% overall, concentrated in thin py. stringers.	Pyrite and calcite stringers occur together and are apparently interrelated.
		74.3 faint outline of possible clasts may continue.				
		Black, fine grained matrix with coarse, poorly sorted angular felsic clasts. Wispy interbeds of pale green/grey tuff.		Calcite stringers.	2% pyrite stringers.	
		Pale green, fine grained felsic clasts coarsening downhole. Very competent, few fractures, only		Frequency of cal. stringers increases.	3-4% pyrite stringers.	87.5-94.0 pyrite and calcite stringers most frequent.

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		weakly altered. END OF HOLE.				
108.80 TO 159.10						

HOLE NUMBER: BAR 27

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: BAR 1989
PROJECT NUMBER: 215
CLAIM NUMBER: BAR-27
LOCATION: FY GRID (1988)

PLOTTING COORDS GRID: FY GRID
NORTH: 5700.00N
EAST: 4200.00E
ELEV: 883.90

ALTERNATE COORDS GRID:
NORTH: 57+ 0N
EAST: 42+ 0E
ELEV: 883.00

COLLAR DIP: -45° 0' 0"
LENGTH OF THE HOLE: 108.80m
START DEPTH: 0.00m
FINAL DEPTH: 108.80m

COLLAR GRID AZIMUTH: 235° 0' 0"

COLLAR ASTRONOMIC AZIMUTH: 235° 0' 0"

DATE STARTED: September 17, 1989
DATE COMPLETED: September 18, 1989
DATE LOGGED: September 18, 1989

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: NQ

CONTRACTOR: FRONTIER DRILLING Ltd.
CASING: LEFT IN HOLE
CORE STORAGE: BARRIERE WAREHOUSE.

PURPOSE: TO TEST A COINCIDENT PB-ZN SOIL ANOMOLY.

DIRECTIONAL DATA:

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
36.00	-	-45° 0'	ACID	OK	
93.60	-	-47° 0'	ACID	OK	
108.80	-	-49° 0'	ACID	OK	

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments

HOLE NUMBER: BAR 27

MINNOVA INC.
DRILL HOLE RECORD

DATE: 15-December-1989

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.05	«CASING»					
3.05 TO 108.80	«FELSIC/ INTERMED. TUFF»	Pale greenish grey, fine grained, generally with 1-5mm white clasts of feldspar and occasionally with small round qtz. eyes. Coarse felsic clasts comprise ~20% of rock.		Weakly sericitic, variably argillic. Calcite stringers with or without qtz. moderately abundant.	<1% pyrite as fine cubes and occasional stringers.	More highly fractured than the lower felsic tuff in BFY-89-1.
	3.05-4.6	Fine grained minor hematite-limonite on fractures.			2% pyrite as stringers.	
	10.9-12.4	Pale grey sections 10-20cm thick of intense qtz. carbonate alteration.		Feldspar clasts are very yellowish.	5% stringer pyrite and as cubes along qtz.-calcite vein selveges.	
	12.9-13.1	Shear zone, mod. argillic.				
	15.0-15.3	Qtz.-calcite vein, 2-3cm thick	10		15% coarse bands of pyrite esp. along selveges.	
	15.3-17.1	Moderately fractured.				
	23.0-23.6	Broken core. Clay seam @ 23.3m.				
	29.6-30.8	Moderately fractured.				
	37.1-37.2	Calcite (minor qtz.) vein 5cm thick.	65			
	48.3-50.4	Moderately fractured.		Argillic partings.	<1% pyrite.	
	50.6-55.0	Generally paler grey/green, finer grained, clasts difficult to discern.		Mod. sericitic.		
	65.5-67.8	Crumbly sections of shearing.		Strongly argillic, mod. sericitic along shears.		
	68.2-68.3	Shear.				
	68.6-70.6	Generally soft, clay altered with intensely argillic shears.		Mod.-strong argillic.		
	┤70.8-81.6├	Moderately argillic, quite soft crumbly; more highly sheared, clasts difficult to discern.		Very weakly calcareous moderately argillic, sericitic. «mod. argillic»		
	81.6-98.6	Much harder, pale green with white felsic clasts easily apparent.				
		90.8 argillic shear.				
		91.1 argillic shear.				
		98.3 argillic shear.				
	┤98.6-99.9├	«Shear zone»		Strongly argillic, sericitic.		
	99.9-108.8	Moderately fractured, numerous small argillic shears.		Occasional calcite stringers minor qtz.		
		103.5-104.2 strongly fractured.				
		107.7-107.9 clay.		Intensely argillic.		
		END OF HOLE.				

HOLE NUMBER: BAR 28

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: BAR 1989
PROJECT NUMBER: 215
CLAIM NUMBER: FY-2
LOCATION: FY GRID (1988).

PLOTTING COORDS GRID:
NORTH: 5850.00N
EAST: 4950.00E
ELEV: 993.60

ALTERNATE COORDS GRID:
NORTH: 58+50N
EAST: 49+50E
ELEV: 993.60

COLLAR DIP: -45° 0' 0"
LENGTH OF THE HOLE: 130.10m
START DEPTH: 0.00m
FINAL DEPTH: 130.10m

COLLAR GRID AZIMUTH: 225° 0' 0"

COLLAR ASTRONOMIC AZIMUTH: 225° 0' 0"

DATE STARTED: September 18, 1989
DATE COMPLETED: September 19, 1989
DATE LOGGED: September 20, 1989

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: NQ

CONTRACTOR: FRONTIER DRILLING Ltd.
CASING: LEFT IN HOLE
CORE STORAGE: BARRIERE WAREHOUSE.

PURPOSE: TO TEST A 50M WIDE INTERMEDIATE TUFF, POSSIBLE SOURCE OF ANOMOLOUS ZN-CU-PB-AU SOIL GEOCHEMISTRY.

DIRECTIONAL DATA:

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
61.00	-	-45° 0'	ACID	OK	
130.10	-	-49° 0'	ACID	OK	

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.05	«CASING»					
3.05 TO 130.10	«FELSIC/ INTERM LAP TUFF»	Pale to med. green/grey fine grained, ash to coarse lapilli. Lapilli to 5cm legth are common; very poorly sorted but crude grading is evident.		Weak silicification, sericitization. Minor carbonate, occ. sections weakly chloritic. Occasional argillic partings.	Generally 1% pyrite.	Very gradational colour changes reflect mainly alteration. No obvious contact between felsic and intermediate tuffs exists.
	4.1-4.1	Bright orange, strongly oxidized; clasts still visible. No fizz apparently not calcite.		Oxidized along fractures.		
	6.6-6.7	8cm oxidized.				
	10.2-10.9	Good well sorted coarse 1-4cm lapilli.				
	12.6-12.7	8cm oxidized.				
	15.6-21.3	Pale green, increasing frequency of oxidation. Lapilli are present but faint.		Qtz. stringers indicate weak silicification. Only minor calcite with qtz. veinlets.	Pyrite 2-3%.	
	16.2-16.3	6cm oxidized.				
	19.1-20.6	Strongly oxidized zone; appears related to fractures where oxidization is most intense. Sharp contacts.		Oxidized, limonitic.		
	21.3-23.4	Pale mottled green, coarse lapilli tuff. Lapilli are darker green, faded matrix. Becoming paler downhole.		Matrix appears bleached due to oxidation, silicification.		
	23.4-32.9	Darker green, coarse lapilli tuff. Lapilli show up very well, dark green in more sericitic matrix.				
	32.9-33.4	Oxidized, lapilli appear to be more strongly altered. Oxidation strongest along a low angle fracture.		Limonitic.		Alteration appears to be fracture controlled.
	33.4-34.2	Very bleached except for occasional green lapilli.				
	34.2-35.8	Red/orange oxidized zone. Lapilli clearly visible reddish, matrix is creamy pink colour. Limonitic along fractures.		Limonite and hematite.		
	35.8-36.2	Slightly bleached lapilli tuff.				
	36.2-36.5	Oxidized fracture with strongly bleached tuff on footwall side.				
	36.5-36.6	Slightly bleached lapilli tuff.				
	36.6-36.9	Weakly oxidized.				
	36.9-37.6	Stongly oxidized as before.				
	37.6-38.1	Moderately bleached tuff.				
	38.0-38.4	Weakly to mod. oxidized.				
	38.8-39.0	Weakly to mod. oxidized.				
	39.2-39.4	Weakly to mod. oxidized.				
	39.4-40.7	Slightly bleached lapilli tuff.				
	40.7-41.6	Oxidized along fractures, weakly bleached.				
	42.1-42.6	Oxidized along 1cm coarse grained, vuggy qtz.vein.			3-5% pyrite along vein selvege.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	43.2-43.4	Strongly oxidized fracture	60			
	44.8	2cm strong oxidized.				
	48.7	Oxidation is no longer evident even along fractures. Core is hard, very competent.				
	48.7-59.6	Medium to pale green good lapilli tuff.		Increasing calcite in stringers and matrix.	1% pyrite.	Becoming moderately calcareous, fe-carb along fractures.
	59.6	Oxidized fracture.				
	59.9-60.0	Oxidized along fracture.		Strong fe-carb stringers; ankeritized.		
	61.1-61.2	Oxidized.		Ankeritized.		
	62.6-62.8	Coarse felsic lapilli in black fine grained chloritic matrix; matrix supported grades down to tight fragment supported lapilli tuff (63.1m).				
	63.9-64.5	Very poorly sorted matrix supported lapilli in dark grey fine grained matrix. Clasts to 10cm.		Clasts mod. calcareous.		
	64.8-65.0	Interbedded lapilli in dark matrix alignment of lapilli	70			
	72.2-75.3	Good lapilli tuff.				
	75.3-77.9	Rusty fracture surfaces greenish.		Fe-carb (ankerite) weakly sericitic weak-mod. calcareous.		
	77.9-78.0	3cm white calcite vein white clay along selveges.	70			
	78.0-83.0	Discernable lapilli tuff.				
	83.0-83.4	Silicified, weakly pyritized.			5% coarse pyrite.	
	83.7	Rusty fracture.				
	83.8-83.9	Crystal tuff.				
	85.5-85.6	Weakly ankeritized, rusty fractures.				
	89.8-108.2	Rusty fracture surfaces.				
	99.2-99.9	More pervasively ankeritized. Rusty along fractures.				
	101.1-101.4	Weakly rusty, irregular white calcite veinlets.		Ankeritized.		
	102.0-104.0	Rusty fractures, bleached greenish grey. Lapilli visible.		Ankeritized.		
		103.7-104.0 strongly bleached.		Silicified, pyritized.	10% coarse pyrite.	
	104.5-106.6	Calcite veinlets .5-3cm thick, minor grey qtz.; ~7 per meter.				
	107.0-107.7	Rusty spotted appearance.		Ankeritized.		
	┤108.8-109.4├	«FAULT», much green gouge with white calcite veinlets esp. at footwall.	60			
	109.4-119.5	Lapilli tuff.				
	114.9-115.2	White qtz. vein, 10% calcite	20		1% pyrite.	
	115.2-130.1	Finer grained tuff; occasional stretched darker or faded lapilli.				
		END OF HOLE.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
130.10 TO 257.15						

HOLE NUMBER: BAR 29

MINNOVA INC.
DRILL HOLE RECORD

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: BAR 1989
PROJECT NUMBER: 215
CLAIM NUMBER: FY-2
LOCATION: FY GRID (1988)

PLOTTING COORDS GRID:
NORTH: 5750.00N
EAST: 4700.00E
ELEV: 934.20

ALTERNATE COORDS GRID:
NORTH: 57+50N
EAST: 47+ 0E
ELEV: 934.20

COLLAR DIP: -45° 0' 0"
LENGTH OF THE HOLE: 102.70m
START DEPTH: 0.00m
FINAL DEPTH: 102.70m

COLLAR GRID AZIMUTH: 225° 0' 0"

COLLAR ASTRONOMIC AZIMUTH: 225° 0' 0"

DATE STARTED: September 19, 1989
DATE COMPLETED: September 19, 1989
DATE LOGGED: September 22, 1989

COLLAR SURVEY: NO
MULTISHOT SURVEY: NO
RQD LOG: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: NQ

CONTRACTOR: FRONTIER DRILLING Ltd.
CASING: LEFT IN HOLE
CORE STORAGE: BARRIERE WAREHOUSE.

PURPOSE: TO FOLLOW UP MINERALIZED INTERSECTION IN DDH BAR23COINCIDENT WITH AU, ZN, CU, PB SOIL ANOMOLIES.

DIRECTIONAL DATA:

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
45.70	-	-44° 0'	ACID	OK	
102.70	-	-46° 0'	ACID	OK	

Depth (m)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments

HOLE NUMBER: BAR 29

MINNOVA INC.
DRILL HOLE RECORD

DATE: 15-December-1989

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.05	«CASING»					
3.05 TO 45.00	«FELSIC/ INTERM TUFF» 3.05-13.2 42.0-45.0	Pale to med. grey, slightly greenish crystal to lapilli (poss intermediate) tuff. No bedding features, occasional faint lapilli present. Oxidized along fractures. Weak qtz.-cal. veining. Gradually becoming paler.		Weakly sericitic.	2-3% disseminated pyrite concentrated along fractures.	Most common unit in fy drilling. Note: Whole hole is felsic pyroclastics contacts indicated are inexact.
45.00 TO 62.40	«QFP» 57.5-57.6 60.0-62.2	Pale green/grey, fine grained, sections of strong feldspar porphyry. Qtz.-eyes rare throughout. Lapilli rich sections. Pyrite blebs and stringers. Good lapilli. Qtz.-calcite stringers, very bleached looking. Grading to a more clastic looking felsic tuff. ie. Qtz. eyes become very rare.			20% pyrite.	
62.40 TO 85.50	«FELSIC TUFF» 65.6-65.8 74.8-75.0 78.8-85.5	Pale green/grey, no qtz. eyes clastic looking feldspar crystal tuff. Black, fine grained, very poorly sorted siliceous rhyolite lapilli tuff. Black, siliceous tuff mixed in brecciated and annealed rhyolite. Carbonaceous clasts and layers (fragments) in crystal-lithic felsic tuff.			2% pyrite.	Carbonaceous?
85.50 TO 102.70	«QFP»	Pale green/grey, with qtz. eyes (1mm dia.), much finer grained than above. END OF HOLE.			Whispy and stringer pyrite 2-3%.	

APPENDIX II

ANALYTICAL RESULTS

HOLE NUMBER: BAR 26 ASSAY SHEET DATE: 15-December-1989

Sample	From (m)	To (m)	Length (m)	COMMENTS
BCD10748	32.20	33.90	1.70	
BCD10749	44.20	45.20	1.00	

Sample	From (m)	To (m)	Length (m)	AL203 %	BAT %	CA0 %	FE203 %	K20 %	MG0 %	MN02 %	NA02 %	P205 %	SI02 %	TI02 %	S %	TOT %	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
BCD21946	5.70	8.50	2.80	14.02	.08	1.79	4.66	2.87	.68	.06	3.3	3.03	63.71	.33	2.90	97.43	0.6	39	89	26	35	1	26	5
BCD21947	24.70	28.30	3.60	16.45	.03	2.20	3.14	1.08	.56	.08	7.81	2.87	60.90	.27	1.82	97.20	0.5	6	54	14	34	1	27	5
BCD10748	32.20	33.90	1.70	5.90	.055	0.78	2.68	1.92	.49	.06	0.04	1.90	81.19	.18	1.27	96.46	1.1	26	59	37	66	3	132	5
BCD10749	44.20	45.20	1.00	12.00	.070	4.53	2.79	2.74	.45	.09	2.05	3.65	66.19	.22	1.50	96.28	0.6	8	79	12	58	1	58	5
BCD21948	55.50	58.50	3.00	6.79	.045	1.59	2.79	2.27	.89	.11	0.07	2.59	75.71	.25	1.21	94.31	3.6	38	47	71	66	6	205	10
BCD21949	82.00	84.00	2.00	15.51	.105	5.10	2.47	3.84	.86	.06	2.75	4.68	57.15	.38	1.03	93.93	0.5	1	113	46	19	1	96	5
BCD21950	105.80	108.80	3.00	16.77	.130	4.11	5.00	3.67	1.32	.11	3.39	4.71	53.82	.41	0.70	94.12	0.6	1	139	38	26	1	30	5

Sample	From (m)	To (m)	Length (m)		COMMENTS

Sample	From (m)	To (m)	Length (m)	AL203 %	BAT %	CAO %	FE203 %	K20 %	MGO %	MNO2 %	NAO2 %	P205 %	SIO2 %	TIO2 %	S %	TOT %	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
BCD22617	7.04	10.50	3.46	16.75	.095	4.08	3.71	3.11	.97	.09	4.81	3.90	54.55	.41	.06	92.54	.7	6	125	24	16	1	18	5
BCD22618	57.00	60.00	3.00	15.91	.09	3.13	5.09	3.92	1.14	.08	2.55	3.90	56.45	.39	.06	92.70	.4	3	129	22	7	1	29	5
BCD22619	87.50	90.20	2.70	16.61	.11	3.14	4.33	3.79	1.01	.07	3.49	3.56	56.60	.41	.07	93.19	.6	1	154	19	11	1	19	5
BCD22620	98.60	101.60	3.00	17.96	.120	3.38	4.50	4.91	1.32	.08	2.32	3.76	53.41	.46	.08	92.32	.6	3	140	58	11	1	18	5

HOLE NUMBER: BAR 28 | ASSAY SHEET | DATE: 15-December-1989

Sample	From (m)	To (m)	Length (m)		COMMENTS

HOLE NUMBER: BAR 29 ASSAY SHEET DATE: 15-December-1989

Sample	From (m)	To (m)	Length (m)		COMMENTS

Sample	From (m)	To (m)	Length (m)	AL203 %	BAT %	CAO %	FE203 %	K20 %	MGO %	MNO2 %	NAO2 %	P205 %	SIO2 %	TIO2 %	S %	TOT %	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
BCD7576	5.20	8.20	3.00	16.45	.100	3.76	4.73	3.32	1.02	.07	2.79	.13	59.45	.39	.07	92.30	0.5	8	77	8	10	2	36	5
BCD7577	34.20	35.80	1.60	16.10	.120	1.59	3.25	3.12	0.51	.09	3.26	.07	67.16	.39	.07	95.72	0.1	1	118	16	8	1	21	5
BCD7578	57.00	60.00	3.00	17.71	.115	4.02	4.63	3.59	1.33	.09	2.79	.14	58.11	.42	.08	93.03	0.5	1	95	24	13	2	42	5
BCD7579	93.60	96.60	3.00	16.61	.08	3.39	5.61	2.87	1.21	.08	2.72	.11	61.44	.41	,05	94.58	0.2	1	71	19	13	1	58	5
BCD7581	103.20	104.00	0.80														0.4	1	73	32	21	1	29	2
BCD7580	121.00	124.10	3.10	17.23	.115	4.73	4.14	3.81	1.32	.16	2.28	.15	58.47	.41	.07	92.87	0.5	1	91	29	19	1	36	5

HOLE NUMBER: BAR 29 GEOCHEM. SHEET DATE: 15-December-1989

Sample	From (m)	To (m)	Length (m)	AL203 %	BAT %	CAO %	FE203 %	K20 %	MGO %	MNO2 %	NAO2 %	P205 %	SIO2 %	TIO2 %	S %	TOT %	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
BCD7582	17.40	20.40	3.00	16.12	.095	3.87	4.29	3.77	1.12	.1	2.26	.13	62.52	.38	.44	95.09	.6	1	103	38	28	2	26	5
BCD7583	45.00	48.00	3.00	16.92	.11	1.23	2.68	3.94	.90	.05	3.14	.08	69.47	.34	.56	99.41	.3	1	112	16	9	1	10	5
BCD7584	70.40	73.40	3.00	15.65	.095	2.08	2.95	5.25	1.85	.1	.16	.1	65.51	.28	.06	94.08	.2	1	81	8	16	1	12	5
BCD7585	82.10	85.10	3.00	15.85	.095	2.16	1.81	4.71	1.18	.07	1.08	.09	67.77	.29	.05	95.16	.4	1	86	7	23	1	21	5
BCD7586	99.70	102.70	3.00	14.54	.12	1.72	2.01	3.35	.42	.03	3.50	.08	70.66	.26	.27	96.95	.2	1	155	9	4	1	8	10

1989 FY GRID SOIL RESULTS

SAMPLE	EAST	NORTH	COL	WET	REMARKS	AG_PPM	AS_PPM	CU_PPM	PB_PPM	SB_PPM	ZN_PPM	AU_PPB
9CFYS001	4800	6700	YG	1		.1	8	19	21	1	68	5
9CFYS002	4800	6675	RBR	1		.7	1	10	23	1	147	5
9CFYS003	4800	6650	Y/GR	1		.2	2	84	22	1	46	5
9CFYS004	4800	6625	R/BR	1		.4	1	12	23	1	125	5
9CFYS005	4800	6600	Y	1	GENTLE SLOPE TO SOUTH	.2	9	20	24	1	93	5
9CFYS006	4800	6575	Y/BR	1	CLEARING	.5	2	26	25	1	111	5
9CFYS007	E800	6550	O/BR	1		.7	8	25	31	1	89	10
9CFYS008	4800	6525	O/BR	1		.7	7	20	26	1	125	5
9CFYS009	4800	6500	G/BR	1		.4	9	26	29	1	77	5
9CFYS010	4800	6475	OR	1		.8	4	16	21	1	90	10
9CFYS011	4800	6450	R	1		.4	1	9	25	1	114	10
9CFYS012	4800	6425	Y/BR	1	GRAVELLY SOIL - GRANITE	.8	9	19	33	2	102	5
9CFYS013	4800	6400	R/BR	1	LESS GRAVELLY	.6	5	13	25	1	88	5
9CFYS014	4800	6375	R/BR	1	BREAK IN SLOPE - ROAD	.4	3	16	19	1	70	5
9CFYS015	4800	6350	R/BR	4	SWAMPY GROUND	.2	1	14	20	1	202	5
9CFYS016	4800	6325	Y/BR	4	SLOPE	.4	10	15	30	1	112	10
9CFYS017	4800	6300	Y/BR	2	CLAY RICH - TILL?	.4	12	25	23	1	71	5
9CFYS018	4800	6275	R/BR	1		.8	6	13	25	1	125	5
9CFYS019	4800	6250	Y/BR	1	SLOPE TO SOUTH	.9	7	22	25	1	111	5
9CFYS020	4800	6225	R/BR	1	10M NORTH OF STATION	.9	13	12	25	2	148	5
9CFYS021	4800	6200	Y/BR	1	5M SOUTH OF STATION	.7	8	13	21	1	138	5
9CFYS022	4800	6175	R/BR	1	BASE OF SLOPE	.8	8	14	24	1	127	5
9CFYS023	4800	6150	Y/BR	1	BASE OF SLOPE	1.0	5	12	22	1	135	5
9CFYS024	4800	6125	O/BR	1	BASE OF SLOPE	.8	10	18	26	1	103	5
9CFYS025	4800	6100	G/BR	1	FINE PEBBLES IN SAMPLE	.9	1	10	22	1	161	10
9CFYS026	4800	6075	Y/BR	1	FLAT GROUND	.9	1	10	18	1	137	5
9CFYS027	4800	6050	G/BR	1		.9	5	13	19	1	106	5
9CFYS028	4800	6025	R	1	CLAY RICH SOIL	1.3	15	41	40	2	197	5
9CFYS029	4800	6000	R/BR	1	STONEY SOIL. T/L 60N	.4	4	27	35	1	195	5
9DFYS001	3900	5000	OR	1		.1	9	21	38	1	159	5
9DFYS002	3900	5025	OR	1		.6	19	29	38	2	126	5
9DFYS003	3900	5050	OR	1		.2	3	21	24	1	203	5
9DFYS004	3900	5075	OR	1		.4	4	19	31	1	117	5
9DFYS005	3900	5100	OR	1		.5	9	18	29	1	126	5
9DFYS006	3900	5125	OR	1		.3	12	31	26	1	99	5
9DFYS007	3900	5150	OR	1		.3	9	24	29	1	134	5
9DFYS008	3900	5175	OR	1		.7	25	48	33	1	87	10
9DFYS009	3900	5200	OR	1		1.0	19	46	33	4	119	5
9DFYS010	3900	5225	OR	1		.5	13	22	30	2	160	5
9DFYS011	3900	5250	OR	1		.8	24	60	36	2	107	5
9DFYS012	3900	5275	OR	1		.6	28	37	33	2	119	10
9DFYS013	E900	5300	OR	1		.5	43	46	38	2	161	5
9DFYS014	3900	5325	OR	1		.3	38	22	37	1	155	5
9DFYS015	3900	5350	OR	1	OUTCROP 10M NORTH	.5	102	41	44	3	117	5
9DFYS016	3900	5375	OR	1	OUTCROP 10M NORTH	.3	6	17	26	1	105	5
9DFYS017	3900	5400	OR	1		.2	1	15	28	1	175	5
9DFYS018	3900	5425	OR	1		.2	3	25	36	1	116	10
9DFYS019	3900	5450	OR	1	SKIDDER TRAIL	.3	10	21	33	1	114	5
9DFYS020	3900	5475	OR	1	SKIDDER TRAIL	.4	2	18	33	1	372	5
9DFYS021	3900	5500	OR	1	SKIDDER TRAIL	.4	3	17	18	1	1086	5
9DFYS022	3900	5525	OR	1	SKIDDER TRAIL	.5	12	19	25	1	106	5
9DFYS023	3900	5550	OR	1	SKIDDER TRAIL	.4	2	16	23	2	135	10
9DFYS024	3900	5575	OR	1	SKIDDER TRAIL	.7	12	27	30	2	244	5
9DFYS025	3900	5600	OR	1	SKIDDER TRAIL	.4	6	18	36	2	394	5
9DFYS026	3900	5625	OR	1	SKIDDER TRAIL	.5	15	28	40	5	169	5
9DFYS027	3900	5650	OR	1		.6	5	20	104	3	400	5
9DFYS028	3900	5675	OR	1		.6	9	36	54	4	203	5
9DFYS029	3900	5700	OR	1		1.7	22	33	341	5	613	5
9DFYS030	3900	5725	OR	1		.3	3	19	25	2	232	5
9DFYS031	3900	5750	OR	1		1.1	17	62	39	5	203	5
9DFYS032	3900	5775	OR	1		.3	8	14	30	1	72	10
9DFYS033	3900	5800	OR	1	NO SAMPLE - CREEK	0.0	0	0	0	0	0	0
9DFYS034	3900	5825	OR	1	STEEP UPHILL SLOPE	.3	19	29	32	1	63	5

1989 FY GRID SOIL RESULTS

SAMPLE	EAST	NORTH	COL	WET	REMARKS	AG_PPM	AS_PPM	CU_PPM	PB_PPM	SB_PPM	ZN_PPM	AU_PPB
9DFYS035	3900	5850	L.BR	1	SKIDDER TRAIL	.7	12	20	28	1	60	5
9DFYS036	3900	5875	BR	1		.5	7	8	23	1	106	5
9DFYS037	3900	5900	OR	1	SKIDDER TRAIL	.5	8	13	26	1	98	5
9DFYS038	3900	5925	OR	1		.7	2	14	29	1	96	5
9DFYS039	3900	5950	OR	1		.5	2	7	20	1	100	5
9DFYS040	3900	5975	OR	1		1.0	13	15	29	2	98	10
9DFYS041	3900	6000	OR	1	END OF LINE	1.0	14	33	31	1	67	10
9DFYS042	3900	6000	OR	1	END OF LINE	0.0	0	0	0	0	0	0
9DFYS049	4300	6000	OR	1		.5	8	9	24	1	102	5
9DFYS050	4300	6025	OR	1		.6	5	16	25	1	104	5
9DFYS051	4300	6050	OR	1		.7	8	9	23	1	163	5
9DFYS052	4300	6075	OR	1	SWAMPY GROUND	1.9	33	92	50	5	99	5
9DFYS055	4300	6150	BL	5	VERY WET GROUND	.4	3	34	30	1	106	5
9DFYS056	4300	6175	BL	5	BLACK MUD - POOR SAMPLE	.7	19	64	38	1	124	5
9DFYS057	4300	6200	OR	5	BLACK MUD - POOR SAMPLE	.9	14	39	41	5	146	15
9DFYS058	4300	6225	OR	1		1.3	27	66	52	5	149	5
9DFYS059	4300	6250	OR	1	SKIDDER TRAIL	1.0	19	26	31	5	111	5
9DFYS060	4300	6275	OR	1	STEEP UPHILL SLOPE	.3	6	7	4	1	9	35
9DFYS061	4300	6300	BR	1	FLAT GROUND	.3	1	9	21	1	130	5
9DFYS062	4300	6325	OR	1		.5	6	12	23	1	76	5
9DFYS063	4300	6350	OR	1		2.4	31	108	50	8	122	10
9DFYS064	4300	6375	OR	1	ROAD - SAMPLE 5M NORTH	1.1	16	28	28	2	97	5
9DFYS065	4300	6400	OR	1		.9	17	22	33	4	87	5
9DFYS066	4300	6425	OR	1		.6	10	13	27	1	91	5
9DFYS067	4300	6450	OR	1		.8	8	14	29	4	113	5
9DFYS068	4300	6475	OR	1		.8	9	15	27	3	100	5
9DFYS069	4300	6500	OR	4	WET GROUND	1.4	13	44	42	2	74	5
9DFYS070	4300	6525	OR	1		.7	5	17	20	1	84	5
9DFYS071	4300	6550	OR	1		.6	10	17	23	1	56	5
9DFYS072	4300	6575	OR	1	UP HILL	.6	8	11	22	1	85	5
9DFYS073	4300	6600	BR/OR	1	SAMPLE 5M FROM STATION	1.3	21	34	36	4	74	5
9DFYS074	4300	6625	BR/OR	3	OLD SLASH PILE - WET	1.1	14	21	33	2	70	10
9DFYS075	4300	6650	OR	3	GENTLE SLOPE	.9	12	17	28	2	67	5
9DFYS076	4300	6675	OR	1		1.2	16	16	31	3	64	5
9DFYS077	4300	6700	OR	1	UPHILL	1.1	17	26	31	3	77	5
9DFYS078	4300	6725	OR	1	UPHILL	1.4	25	37	39	5	83	5
9DFYS079	4300	6750	OR	1	UPHILL	1.0	14	23	30	2	63	5
9DFYS080	4300	6775	OR	1	UPHILL	.7	15	13	22	1	62	5
9DFYS081	4300	6800	OR	1	UPHILL	.9	12	10	24	1	54	25
9DFYS082	4300	6825	OR	1	UPHILL	.5	15	19	25	1	68	15
9DFYS083	4300	6850	OR	1		.6	12	14	30	1	93	5
9DFYS084	4300	6875	OR	1		.3	10	13	24	1	77	5
9DFYS085	4300	6900	OR	1	SLIGHT UPHILL	.7	18	23	28	1	69	5
9DFYS086	4300	6925	OR	1	SLIGHT UPHILL	.2	7	9	18	1	58	10
9DFYS087	4300	6950	OR	1	SLIGHT UPHILL	.3	15	18	22	1	78	5
9DFYS088	4300	6975	OR	1	SLIGHT UPHILL	.3	11	19	24	1	83	5
9DFYS089	4300	7000	OR	1	SLIGHT UPHILL	.6	16	18	29	1	83	5
9DFYS090	4300	7025	OR	1	SLIGHT UPHILL	.6	12	13	21	1	81	5
9DFYS091	4300	7050	OR	1	SLIGHT UPHILL	.6	16	19	27	2	94	5
9DFYS092	4300	7075	OR	1	SLIGHT UPHILL	.5	9	19	25	1	89	5
9DFYS093	4300	7100	OR	1	END OF LINE	0.0	0	0	0	0	0	0
9DFYS094	4700	6000	OR	1		0.8	16	42	55	2	170	5
9DFYS095	4700	6025	OR	1		0.4	1	14	31	1	205	5
9DFYS096	4700	6050	OR	1		0.5	3	11	25	1	114	10
9DFYS097	4700	6075	OR	1		0.3	1	10	17	1	102	5
9DFYS098	4700	6100	OR	4	OLD LANDING - WET	0.8	17	42	39	2	114	5
9DFYS099	4700	6125	OR	1		0.3	7	20	24	1	66	10
9DFYS100	4700	6150	OR	1	OLD SLASH PILE	0.7	1	11	16	1	80	5
9DFYS101	4700	6175	OR	1	DOWN HILL	0.3	3	9	14	1	107	5
9DFYS102	4700	6200	OR	1		0.2	1	7	18	1	100	5
9DFYS103	4700	6225	OR	1	OLD LANDING	0.1	2	10	16	1	82	5
9DFYS104	4700	6250	OR	1	OLD LANDING	0.2	2	15	23	1	130	5
9DFYS105	4700	6275	OR	1	LOGGING ROAD	0.2	2	12	23	1	78	5
9DFYS106	4700	6300	OR	1		0.2	9	13	23	1	80	5

1989 FY GRID SOIL RESULTS

SAMPLE	EAST	NORTH	COL	WET	REMARKS	AG_PPM	AS_PPM	CU_PPM	PB_PPM	SB_PPM	ZN_PPM	AU_PPB
9DFYS107	4700	6300	OR	1		0.0	0	0	0	0	0	0
9DFYS108	4700	6350	OR	1		.3	2	14	18	1	86	10
9DFYS109	4700	6375	OR	1		.5	2	10	17	1	147	5
9DFYS110	4700	6400	OR	1		.3	1	10	17	1	144	5
9DFYS111	4700	6425	OR	1		.7	1	9	17	1	109	5
9DFYS112	4700	6450	OR	1		.5	14	17	25	1	93	5
9DFYS113	4700	6475	OR	1		.4	4	10	19	1	107	5
9DFYS114	4700	6500	OR	1		.8	25	30	48	3	187	5
9DFYS116	4700	6550	OR	1		.2	3	10	26	1	137	5
9DFYS117	4700	6575	OR	1		.4	4	11	19	1	143	10
9DFYS118	4700	6600	OR	1		.4	6	10	22	1	121	10
9DFYS119	4700	6625	OR	1		.5	4	22	31	2	140	5
9DFYS120	4700	6650	OR	1	FLAT GROUND	1.0	15	59	36	3	168	5
9DFYS121	4700	6675	P.BR	3	WET MUD - POOR SAMPLE	1.5	28	96	51	5	141	5
9DFYS122	4700	6700	OR	1		1.1	27	45	38	3	110	10
9DFYS123	4700	6725	OR	1	DOWN HILL	.4	17	18	29	2	128	5
9DFYS124	4700	6750	OR	1		.6	5	12	25	1	180	15
9DFYS125	4700	6775	OR	1		.6	9	8	21	1	168	5
9DFYS126	4700	6800	L.BR	1	E-W TRENDING RIDGE	.3	15	21	27	1	119	5
9DFYS127	3900	6025	OR	1		.4	3	5	16	1	67	5
9DFYS128	3900	6050	OR	1		.7	6	11	25	1	89	10
9DFYS129	3900	6075	OR	1		1.0	13	14	28	4	143	5
9DFYS130	3900	6100	OR	1		.8	14	13	21	2	110	5
9DFYS131	3900	6125	OR	1		.7	18	13	25	2	124	5
9DFYS132	3900	6150	OR	1		.7	6	26	25	1	80	5
9DFYS133	3900	6175	OR	1	OUTCROP	.1	2	9	27	1	77	5

1989 FY GRID SOIL RESULTS

SAMPLE	EAST	NORTH	COL	WET	REMARKS	AG_PPM	AS_PPM	CU_PPM	PB_PPM	SB_PPM	ZN_PPM	AU_PPB
9DFYS134	3900	6200	OR	1		.5	15	16	29	3	128	5
9DFYS135	3900	6225	OR	1		.9	19	31	34	3	74	5
9DFYS136	3900	6250	OR	1		.8	14	28	32	2	71	5
9DFYS137	3900	6275	OR	1		.3	13	18	31	2	85	5
9DFYS138	3900	6300	OR	1		.4	21	19	29	1	124	5
9DFYS139	3900	6325	OR	1		.5	14	13	22	1	102	5
9DFYS140	3900	6350	OR	1		.4	9	11	20	3	111	5
9DFYS141	3900	6375	OR	1		.3	13	14	23	1	141	10
9DFYS142	3900	6400	OR	1		.6	11	16	26	3	101	5
9DFYS143	3900	6425	OR	1		.5	12	14	29	1	104	5
9DFYS144	3900	6450	OR	1		.6	12	24	29	3	97	5
9DFYS145	3900	6475	OR	1		.6	9	12	25	2	86	5
9DFYS146	3900	6500	OR	1		1.1	13	26	32	4	53	5
9DFYS147	3900	6525	OR	1		.9	13	12	25	3	61	10
9DFYS148	3900	6550	OR	1		.6	1	9	20	1	111	5
9DFYS149	3900	6575	OR	1		1.1	14	11	23	1	87	5
9DFYS150	3900	6600	OR	1	CREEK	.9	6	13	24	1	37	5
9DFYS151	3900	6625	OR	1		.9	6	10	19	1	63	5
9DFYS152	3900	6650	OR	1		1.0	9	12	23	1	114	5
9DFYS153	3900	6675	OR	1		1.1	11	11	21	2	85	10
9DFYS154	3900	6700	OR	1		.7	6	13	26	2	66	5
9DFYS155	3900	6725	OR	1		.9	13	14	29	3	68	5
9DFYS156	3900	6750	OR	1	NO SAMPLE - CREEK	0.0	0	0	0	0	0	0
9DFYS157	3900	6775	OR	1		1.0	14	15	23	2	61	5
9DFYS158	3900	6800	GR	1		1.2	17	27	29	1	61	5
9DFYS159	3900	6825	OR	1	CREEK BANK	.9	14	45	29	3	85	5
9DFYS160	3900	6850	OR	1		1.2	19	23	26	5	63	5
9DFYS161	3900	6875	OR	1		.8	5	9	21	1	67	10
9DFYS163	3900	6925	OR	1		.7	9	11	23	2	75	5
9DFYS164	3900	6950	OR	1		.8	20	22	30	1	57	5
9DFYS165	3900	6975	OR	1		1.0	12	17	19	1	44	5
9DFYS166	3900	7000	OR	1	UP HILL	1.1	14	26	27	1	43	5
9DFYS167	3900	7025	OR	1	UP HILL	.6	9	10	25	1	105	5
9DFYS168	3900	7050	OR	1	UP HILL	.6	2	10	22	1	79	20
9DFYS169	3900	7075	OR	1		.5	9	9	22	1	79	5

1989 FY GRID SOIL RESULTS

SAMPLE	EAST	NORTH	COL	WET	REMARKS	AG_PPM	AS_PPM	CU_PPM	PB_PPM	SB_PPM	ZN_PPM	AU_PPB
9DFYS170	3900	7100	OR	1		1.2	23	30	35	1	65	5
9DFYS171	3900	7125	OR	1		.6	12	13	24	1	65	30
9DFYS172	3900	7150	OR	1		.6	17	11	24	2	65	5
9DFYS173	3900	7175	OR	1		.5	5	15	23	1	95	5
9DFYS174	3900	7200	OR	1	NEWER ROAD	1.2	12	17	28	3	122	5
9DFYS175	3900	7225	OR	1		1.3	22	96	47	5	117	5
9DFYS176	3900	7250	OR	1		.7	24	18	28	3	105	5
9DFYS177	3900	7275	OR	1		.4	7	17	25	1	95	5
9DFYS178	3900	7300	OR	1		.3	1	6	18	1	100	5
9DFYS179	3900	7325	OR	1		.1	19	18	24	1	68	5
9DFYS180	3900	7350	OR	1		.5	16	17	25	1	72	10
9DFYS181	3900	7375	OR	1		.3	13	13	29	1	77	5
9DFYS182	3900	7400	OR	1		.7	10	14	26	1	60	5
9DFYS183	3900	7425	OR	1		1.7	32	69	46	8	111	5
9DFYS184	3900	7450	OR	1		.7	12	17	29	1	60	5
9DFYS185	3900	7475	OR	1		.4	3	15	23	1	59	5
9DFYS186	3900	7500	OR	1		.6	20	20	24	1	62	5
9DFYS191	4900	6175	OR	1		0.5	19	13	29	3	153	5
9DFYS192	4900	6150	OR	1		0.5	7	9	24	1	129	5
9DFYS193	4900	6125	OR	1		0.3	1	6	18	1	100	5
9DFYS194	4900	6100	OR	1		0.6	12	15	26	1	143	5
9DFYS195	4900	6275	OR	1		0.5	15	22	25	1	147	5
9DFYS196	4900	6250	OR	1		0.4	15	20	26	1	102	5
9DFYS197	4900	6225	OR	1		0.4	7	23	25	1	108	5
9DFYS198	4900	6200	OR	1		0.3	1	11	24	1	103	5
9DFYS199	4900	6375	OR	1		0.8	13	28	36	2	78	5
9DFYS200	4900	6350	OR	1		0.5	17	32	27	1	67	5
9DFYS202	4900	6300	OR	1		0.1	13	17	20	1	74	5
9DFYS203	4900	6325	OR	1		0.4	11	26	25	1	87	5
9DFYS203	4900	6475	OR	1		0.9	5	13	30	2	153	5
9DFYS204	4900	6450	OR	1		0.5	6	16	26	1	80	10
9DFYS205	4900	6425	OR	1		0.7	6	9	25	1	105	5
9DFYS206	4900	6400	OR	1		0.5	17	26	28	1	78	5
9DFYS207	4900	6575	OR	1		0.4	3	19	27	1	114	5
9DFYS208	4900	6550	OR	1		0.1	15	30	25	1	92	5
9DFYS209	4900	6525	OR	1		0.3	14	20	27	1	74	5
9DFYS210	4900	6500	OR	1		0.2	18	25	27	1	83	10
9DFYS211	4900	6600	OR	1		0.5	10	10	21	1	97	5
9DFYS212	5000	6100	OR	1		0.9	7	13	21	1	117	5
9DFYS213	5000	6125	OR	1		0.7	1	11	24	1	115	5
9DFYS215	5000	6175	OR	1		0.4	16	36	29	2	61	5
9DFYS216	5000	6200	OR	1	REDO	0.4	1	11	17	1	139	5
9DFYS217	5000	6225	OR	1		0.5	5	16	25	1	85	5
9DFYS218	5000	6250	OR	1		0.6	1	11	20	1	171	5
9DFYS219	5000	6275	OR	1		0.6	12	17	21	1	64	5
9DFYS220	5000	6300	OR	1		0.8	6	12	21	1	91	5
9DFYS221	5000	6325	OR	1		0.9	6	16	23	1	185	5
9DFYS222	5000	6350	OR	1		0.6	1	10	20	2	147	10
9DFYS223	5000	6375	OR	1		0.5	11	16	23	1	105	5
9DFYS224	5000	6400	OR	1		0.9	13	36	34	2	100	5
9DFYS225	5000	6425	OR	1		0.8	1	12	26	2	158	5
9DFYS226	5000	6450	OR	1		0.6	11	25	31	1	114	5
9DFYS227	5000	6475	OR	1		0.5	5	13	19	1	84	5
9DFYS228	5000	6500	OR	1		0.9	3	11	25	2	143	5
9DFYS229	4100	6000	OR	1		0.1	5	10	17	1	94	5
9DFYS230	4100	6025	OR	1		0.2	6	23	22	1	88	5
9DFYS231	4100	6050	OR	1		0.4	12	15	19	1	83	5
9DFYS232	4100	6075	OR	1		0.4	6	20	23	1	93	5
9DFYS233	4100	6100	OR	1		0.6	15	30	24	1	92	10
9DFYS234	4100	6125	OR	1	SKID TRAIL 5m NORTH	0.3	4	11	15	1	105	5
9DFYS235	4100	6150	OR	1		0.6	15	16	23	1	86	5
9DFYS236	4100	6175	OR	1		1.0	6	17	14	1	102	5
9DFYS237	4100	6200	OR	1		0.8	11	18	24	1	102	10
9DFYS238	4100	6225	OR	1	SKID TRAIL	0.4	8	25	19	1	93	5

1989 FY GRID SOIL RESULTS

SAMPLE	EAST	NORTH	COL	WET	REMARKS	AG_PPM	AS_PPM	CU_PPM	PB_PPM	SB_PPM	ZN_PPM	AU_PPB
9DFYS239	4100	6250	OR	1		0.2	12	15	15	1	96	5
9DFYS240	4100	6275	OR	1		0.1	3	14	11	1	89	5
9DFYS241	4100	6300	OR	1		0.4	12	35	26	1	83	5
9DFYS242	4100	6350	OR	1		0.3	4	10	18	1	136	5
9DFYS243	4100	6375	OR	1		0.4	1	12	18	1	108	5
9DFYS244	4100	6400	OR	1		0.9	4	16	23	1	141	10
9DFYS245	4100	6425	OR	1		1.0	8	21	18	1	131	5
9DFYS246	4100	6450	OR	1		0.5	24	22	25	1	85	5
9DFYS247	4100	6500	O/BR	1		3.1	49	262	52	5	138	5
9DFYS248	4100	6525	OR	1		1.1	9	32	21	1	81	5
9DFYS249	4100	6550	OR	1		0.8	8	16	23	1	112	5
9DFYS250	4100	6575	OR	1		1.0	14	21	21	1	67	5
9DFYS251	4100	6600	OR	1		0.9	3	16	24	1	127	5
9DFYS252	4100	6625	OR	1		0.7	8	18	21	1	73	5
9DFYS253	4100	6650	OR	1		0.5	12	18	23	1	80	5
9DFYS254	4100	6675	OR	1		0.6	10	13	18	1	82	10
9DFYS255	4100	6700	OR	1		0.5	16	28	22	1	71	5
9DFYS256	4100	6725	OR	1		0.3	2	8	10	1	52	5
9DFYS257	4100	6750	OR	1		0.4	21	21	20	1	96	5
9DFYS258	4100	6775	OR	1		0.6	18	18	18	1	90	5
9DFYS259	4100	6800	OR	1		0.6	10	13	21	2	67	5
9DFYS260	4100	6825	OR	1		0.5	8	17	21	1	94	10
9DFYS261	4100	6850	OR	1		0.3	4	9	18	1	82	5
9DFYS262	4100	6875	OR	3	CREEK	0.9	11	17	23	1	60	5
9DFYS263	4100	6900	OR	1		0.9	14	13	25	1	85	5
9DFYS264	4100	6925	OR	1		1.2	27	24	25	1	74	5
9DFYS265	4100	6975	OR	1		0.9	6	12	23	1	58	10
9DFYS266	4100	7000	OR	1		0.7	10	16	18	1	115	5
9DFYS267	4100	7025	OR	1		0.4	11	17	20	1	87	5
9DFYS268	4100	7050	OR	1		0.1	1	13	17	1	69	5
9DFYS269	4100	7075	OR	1		0.6	14	20	22	1	73	5
9DFYS270	4100	7100	OR	1		0.6	17	18	22	1	74	5
9DFYS271	4100	7125	OR	1		0.2	12	14	22	1	65	5
9DFYS272	4100	7200	OR	1		0.4	21	20	26	1	64	5
9DFYS273	4100	7225	OR	1		0.6	5	11	16	1	85	5
9DFYS274	4100	7250	OR	1		0.3	7	12	16	1	87	5
9DFYS275	4100	7275	OR	1		0.4	5	13	21	1	97	5
9DFYS276	4100	7300	OR	1	SAMPLE TAKEN 8m E OF STA	0.6	14	14	21	1	86	5
9KFY5012	4000	5275	O/BR	1	STEEP SLOPE	.4	9	39	46	1	159	5
9KFY5013	4000	5300	S/BR	1	GOOD OCR	.6	34	89	53	3	153	5
9KFY5014	4000	5325	BR	1	VERY ROCKY	.4	1	14	42	1	279	10
9KFY5015	4000	5350	BR	1	VERY STEEP SLOPE STILL	.2	12	22	44	1	92	5
9KFY5016	4000	5375	O/BR	1	GOOD OCR TO E.	.1	18	32	66	1	78	5
9KFY5017	4000	5400	O/BR	1	LEVELS OFF	.3	13	16	34	1	152	5
9KFY5018	4000	5425	O/BR	1		.5	1	16	36	1	221	5
9KFY5019	4000	5450	O/BR	1	STILL LOW SLOPE	.8	48	29	57	2	677	5
9KFY5020	4000	5475	BR	1		.7	87	17	616	2	779	5
9KFY5021	4000	5500	BR	1		.3	1	14	224	1	360	5
9KFY5022	4000	5525	O/BR	1	ENTERING VALLEY	.2	6	15	32	1	200	5
9KFY5023	4000	5550	O/BR	2		.6	1	10	24	1	122	10
9KFY5024	4000	5575	V/OR	2		.9	8	22	30	2	118	5
9KFY5025	4000	5600	BR	1	UP SLOPE SMALL OCR	.5	12	24	54	2	296	5
9KFYS001	4000	5000	O/BR	1	ON SLOPE	1.1	31	25	26	1	85	5
9KFYS002	4000	5025	BR	1	STEEP SLOPE	0.5	8	17	21	1	94	10
9KFYS003	4000	5050	BR	1	FLOAT BLOCKS	0.3	4	36	20	1	147	5
9KFYS004	4000	5075	BR	1		.6	3	24	36	1	128	5
9KFYS005	4000	5100	BR	1	STILL UP SLOPE	.7	5	17	22	1	161	5
9KFYS006	4000	5125	BR	1	5M FROM ROAD	.8	21	47	41	3	131	5
9KFYS007	4000	5150	O/BR	1		.6	5	19	37	3	191	10
9KFYS008	4000	5175	BR	1		.7	7	16	29	1	114	10
9KFYS009	4000	5200	BR	1	POOR OCR	.5	1	14	33	1	197	5
9KFYS010	4000	5225	BR	1	LOTS OF ROCKY FLOAT	.6	3	27	36	1	165	5
9KFYS026	4000	5625	O/BR	1		.6	11	17	31	1	140	5
9KFYS027	4000	5650	BR	1		.7	7	27	40	2	106	5

1989 FY GRID SOIL RESULTS

SAMPLE	EAST	NORTH	COL	WET	REMARKS	AG_PPM	AS_PPM	CU_PPM	PB_PPM	SB_PPM	ZN_PPM	AU_PPB
9KFYS028	4000	5675	BR	1	UP GENTLE SLOPE	.4	1	9	32	1	179	10
9KFYS029	4000	5700	O/BR	2	FLAT	.4	4	18	31	1	149	5
9KFYS030	4000	5725	BR	1	GOING DOWNSLOPE	.4	1	12	25	1	226	5
9KFYS031	4000	5750	BR	1	UP SLOPE	.4	1	13	84	1	313	5
9KFYS032	4000	5775	O/BR	1	DOWN SLOPE	.2	1	16	27	1	110	5
9KFYS033	4000	5800	BR	1		.1	1	14	21	1	115	10
9KFYS034	4000	5825	BR	1	5M NOT SKID ROAD	.4	1	13	27	1	113	10
9KFYS035	4000	5850	BR	1	5M NOT SKID ROAD	.5	1	17	26	1	112	5
9KFYS036	4000	5875	O/BR	1		.3	2	12	24	1	96	5
9KFYS037	4000	5900	BR	2	CROSSED CREEK	.5	1	11	26	1	87	5
9KFYS038	4000	5925	BR	1		.4	2	10	23	1	83	10
9KFYS041	4000	6000	BR	1	OCR	.5	4	49	51	1	82	10
9KFYS042	4000	6025	O/BR	1	TIELINE	.1	1	9	17	1	115	5
9KFYS043	4000	6050	L/BR	1		.6	1	10	23	1	59	5
9KFYS044	4000	6075	BR	1		.4	1	15	29	1	96	5
9KFYS045	4000	6100	O/BR	1		.6	3	8	22	1	133	5
9KFYS046	4000	6125	BR	1		.2	1	5	15	1	67	5
9KFYS047	4000	6150	L/BR	1		.8	6	17	30	2	83	5
9KFYS048	4000	6175	O/BR	1		.8	2	9	21	1	108	260
9KFYS049	4000	6200	BR	1		.7	4	13	24	2	90	10
9KFYS050	4000	6225	BR	2	FLAT DAMP LAND	.9	6	38	28	3	94	5
9KFYS051	4000	6250	BR	1		.7	16	27	32	1	71	5
9KFYS052	4000	6275	L/BR	1	UP SLOPE	.6	15	19	26	2	56	10
9KFYS053	4000	6300	BR	1		.3	1	11	18	1	67	5
9KFYS054	4000	6325	BR	1		.9	12	31	33	3	97	5
9KFYS055	4000	6350	P/BR	1	OLD LANDING	.8	14	34	34	4	78	5
9KFYS056	4400	6000	O/BR	1	BASE LINE	.7	15	20	29	1	122	5
9KFYS057	4400	6025	O/BR	1		.4	1	6	17	1	150	5
9KFYS058	4400	6050	O/BR	1	DOWNSLOPE	.6	3	14	24	1	128	5
9KFYS059	4400	6075	BR	1		.4	9	20	27	1	97	5
9KFYS060	4400	6100	BR	1		1.1	24	64	39	1	195	5
9KFYS064	4400	6200	D/BR	1	VERY MUDDY EDGE OF LAND	2.0	28	121	52	6	118	5
9KFYS065	4400	6225	BR	1	FLAT	.6	25	66	38	2	98	10
9KFYS066	4400	6250	BR	1		.5	10	38	34	1	95	5
9KFYS067	4400	6275	BR	1		.8	11	14	29	1	181	5
9KFYS068	4400	6300	BR	1	UP GENTLE SLOPE	.7	5	9	24	1	163	5
9KFYS069	4400	6325	O/BR	1		.4	14	18	26	1	85	5
9KFYS070	4400	6350	O/BR	1		.7	11	16	25	1	111	5
9KFYS071	4400	6375	BR	1		.7	14	27	25	1	94	5
9KFYS072	4400	6400	O/BR	1		.7	15	20	32	1	98	10
9KFYS073	4400	6425	BR	2	DAMP	1.4	20	47	40	4	131	5
9KFYS074	4400	6450	O/BR	1		.3	5	18	23	1	94	5
9KFYS075	4400	6475	D/BR	2	DAMP	1.3	19	99	40	7	143	5
9KFYS076	4400	6500	BR	2	DAMP	1.4	22	102	42	6	118	5
9KFYS077	4400	6525	BR	1		.4	5	32	34	2	93	5
9KFYS078	4400	6550	BR	1	GENTLE SLOPE UP	1.2	17	31	36	4	95	5
9KFYS079	4400	6575	L/BR	1		1.2	12	29	31	3	80	5
9KFYS080	4400	6600	BR	1		.7	8	17	23	1	114	5
9KFYS081	4400	6625	O/BR	1		.7	1	17	25	1	98	5
9KFYS082	4400	6650	O/BR	1		.8	8	14	22	1	99	5
9KFYS083	4400	6675	BR	1	UP SLOPE	.9	6	13	27	2	86	10
9KFYS084	4400	6700	BR	1		1.2	22	55	43	7	112	5
9KFYS085	4400	6725	BR	1		.8	8	12	21	1	80	5
9KFYS086	4400	6750	BR	1		.7	6	13	23	1	80	5
9KFYS087	4400	6775	O/BR	1		1.1	7	34	27	4	86	5
9KFYS088	4400	6800	BR	1		1.0	4	18	29	3	99	5
9KFYS089	4400	6825	BR	1	UP SLOPE	.9	10	21	33	3	83	10
9KFYS090	4400	6850	BR	1		.4	6	17	25	1	102	5
9KFYS091	4400	6875	BR	1		.5	1	12	27	1	90	5
9KFYS093	4400	6925	BR	1		.4	1	10	23	1	73	5
9KFYS094	4400	6950	O/BR	2	DAMP	.4	1	23	27	1	112	5
9KFYS095	4400	6975	O/BR	1	FLAT LAND	.9	8	16	25	2	73	5
9KFYS096	4400	7000	O/BR	1		.4	1	23	27	1	84	5
9KFYS097	4400	7025	O/BR	1		.3	10	16	21	2	97	5

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SAMPLE	EAST	NORTH	COL	WET	REMARKS	AG_PPM	AS_PPM	CU_PPM	PB_PPM	SB_PPM	ZN_PPM	AU_PPB
9KFYS098	4400	7050	O/BR	1	ROAD CROSSED	.1	1	13	21	1	88	5
9KFYS099	4400	7075	O/BR	2	DAMP	.6	11	53	42	4	116	5
9KFYS100	4400	7100	O/BR	1		.6	16	33	32	3	92	10
9KFYS101	4600	6900	O/BR	1	STREAM TO NORTH	.6	10	23	26	2	128	5
9KFYS102	4600	6875	BR	1		.9	18	27	29	1	59	5
9KFYS103	4600	6850	BR	1	CROSSING STREAM	.4	15	24	31	1	74	5
9KFYS104	4600	6825	BR	1		.6	13	24	31	2	94	5
9KFYS105	4600	6800	BR	1	SMALL VALLEY	.5	6	34	34	1	124	5
9KFYS106	4600	6775	BR	1	TOP OF HILL	.4	1	12	18	1	119	5
9KFYS107	4600	6750	BR	1	DOWN SLOPE	.2	10	12	16	1	103	5
9KFYS108	4600	6725	BR	1	DOWN SLOPE	.4	9	20	23	1	88	10
9KFYS109	4600	6700	BR	1		.4	5	12	22	1	117	5
9KFYS110	4600	6675	O/BR	1		.5	8	15	22	1	114	5
9KFYS111	4600	6650	O/BR	1	DOWN GENTLE SLOPE	.4	2	13	19	1	95	5
9KFYS112	4600	6625	O/BR	1		.7	14	19	32	4	116	5
9KFYS113	4600	6600	BR	1		.6	11	24	27	2	95	5
9KFYS114	4600	6575	BR	2	CROSSED SMALL CREEK	1.8	17	52	42	8	144	5
9KFYS115	4600	6550	P/BR	1		1.2	11	28	32	2	100	5
9KFYS116	4600	6525	O/BR	1		1.2	6	33	23	6	144	5
9KFYS117	4600	6500	BR	1		1.5	14	23	31	3	115	5
9KFYS118	4600	6475	BR	1		1.3	13	45	31	5	115	10
9KFYS119	4600	6450	BR	1		1.3	12	29	34	5	149	5
9KFYS120	4600	6425	BR	1	GENTLE SLOPE	1.6	14	23	30	6	110	5
9KFYS121	4600	6400	BR	1		.9	4	10	21	1	87	5
9KFYS122	4600	6375	O/BR	1	BY OLD SKID ROAD	1.1	5	15	23	4	117	5
9KFYS123	4600	6350	BR	1		.8	2	13	16	2	108	5
9KFYS124	4600	6325	BR	1	STILL DOWN SLOPE	.7	10	20	28	1	94	5
9KFYS125	4600	6300	BR	1		.5	3	15	18	1	81	5
9KFYS126	4600	6275	BR	1		.7	5	13	21	1	114	5
9KFYS127	4600	6250	BR	1		.3	8	22	21	1	71	5
9KFYS128	4600	6225	BR	1		.3	7	10	22	1	96	5
9KFYS129	4600	6200	O/BR	1	CROSSED OLD SKID ROAD	.7	6	9	9	1	90	10
9KFYS130	4600	6175	O/BR	1		.7	6	12	16	1	102	5
9KFYS131	4600	6150	D/BR	1	VERY MUDDY	4.1	45	169	77	13	143	5
9KFYS132	4600	6125	O/BR	1	CROSSED SMALL CREEK	.5	1	8	15	1	120	5
9KFYS133	4600	6100	O/BR	1		.7	16	15	21	2	119	5
9KFYS134	4600	6075	BR	1		.6	13	21	25	1	98	5
9KFYS135	4600	6050	O/BR	1	UP HILL	.5	1	17	24	1	96	5
9KFYS136	4600	6025	BR	1		.6	1	11	19	1	93	5
9KFYS137	4600	6000	BR	1		.7	8	16	23	1	74	5
9KFYS138	5100	6000	BR	1	UP SLOPE FROM SWAMP	.2	7	14	19	1	138	5
9KFYS139	5100	6025	O/BR	1		.5	3	12	20	1	78	5
9KFYS140	5100	6050	BR	1	SAMPLE 5M W (SKID RD.)	.2	10	23	22	1	68	10
9KFYS141	5100	6075	O/BR	1		.5	2	13	24	1	101	5
9KFYS142	5100	6100	BR	1	SAMPLE 5M S (SKID RD)	.2	14	21	26	1	89	5
9KFYS143	5100	6125	O/BR	1		.6	17	20	30	3	98	10
9KFYS144	5100	6150	BR	1	UP SLOPE	.4	14	11	24	2	100	10
9KFYS145	5100	6175	BR	1		.4	1	4	14	1	96	5
9KFYS147	5100	6225	BR	1	UP SLOPE	.6	7	18	21	1	114	5
9KFYS148	5100	6250	O/BR	1		.5	8	15	23	1	127	5
9KFYS149	5100	6275	O/BR	1		.4	1	19	20	1	125	5
9KFYS150	5100	6300	BR	1		.8	1	9	17	1	123	5
9KFYS151	5200	6200	BR	1	DOWN SLOPE	.3	6	11	21	1	86	5
9KFYS152	5200	6175	O/BR	1		.3	15	20	22	1	69	10
9KFYS153	5200	6150	BR	1		.4	16	20	31	1	80	5
9KFYS154	5200	6125	O/BR	1	UP SLOPE STILL	.6	2	13	20	1	127	5
9KFYS155	5200	6100	BR	1		.6	3	10	22	1	138	5
9KFYS156	5200	6075	BR	1		.6	1	9	14	1	135	5
9KFYS157	5200	6050	O/BR	1		.4	1	15	20	1	110	5
9KFYS158	5200	6025	BR	1		.4	8	18	27	1	101	5
9KFYS159	5200	6000	BR	1		.2	2	12	19	1	107	10
9KFYS160	5300	6100	BR	1		.6	3	8	18	1	91	5
9KFYS161	5300	6075	BR	1		.3	1	10	18	1	121	5
9KFYS162	5300	6050	O/BR	1	DOWN SLOPE	.4	3	12	21	1	105	5

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SAMPLE	EAST	NORTH	COL	WET	REMARKS	AG_PPM	AS_PPM	CU_PPM	PB_PPM	SB_PPM	ZN_PPM	AU_PPB
9KFYS163	5300	6025	O/BR	1		.5	3	12	24	1	150	10
9KFYS164	5300	6000	BR	2	DAMP, SWAMP AHEAD	.7	13	29	32	1	80	5
9SFYS001	4100	5000	O/BR	1	UP SLOPE, OPEN FOREST	.4	7	16	33	2	170	5
9SFYS002	4100	5025	O/BR	1	3M NORTH OF STA (ROAD)	.6	22	39	46	1	99	5
9SFYS003	4100	5050	O/BR	1		.5	6	17	47	1	249	5
9SFYS004	4100	5075	T/BR	1	5M N OF STATION(ROAD)	.5	17	28	29	1	104	5
9SFYS005	4100	5100	O/BR	1		.7	7	16	33	2	263	5
9SFYS006	4100	5125	O/BR	1		.6	6	12	33	1	164	10
9SFYS007	4100	5150	O/BR	1	CROSSED SKID ROAD	1.0	14	40	34	1	83	5
9SFYS008	4100	5175	O/BR	1	ROCKY	.3	1	15	40	1	232	5
9SFYS009	4100	5200	O/BR	1	2M N OF STA(ROAD)	0.0	0	0	0	0	0	0
9SFYS010	4100	5225	O/BR	1	(LEFT SAMPLES 1-10 HERE)	.3	4	14	33	1	279	5
9SFYS011	4100	5250	O/BR	1	ROCKY HILL, VERY STEEP	.2	2	20	48	1	247	5
9SFYS012	4100	5275	O/BR	1		.3	2	18	43	1	177	5
9SFYS013	4100	5300	O/BR	1	LOTS OF PHYLLITE TALUS	.3	10	21	44	1	242	5
9SFYS014	4100	5325	O/BR	1		.4	18	33	55	1	189	5
9SFYS015	4100	5350	O/BR	1	CLOSE TO OCR	.4	10	42	76	1	567	5
9SFYS016	4100	5375	O/BR	1	SLOPE LEVELS OFF TO FLAT	.6	15	11	156	2	210	5
9SFYS017	4100	5400	O/BR	1		.5	13	10	43	1	599	5
9SFYS018	4100	5425	O/BR	1	2M S OF STATION	.7	12	19	201	1	710	5
9SFYS019	4100	5450	O/BR	1		.8	6	9	65	1	415	10
9SFYS020	4100	5475	O/BR	1		.7	11	19	38	1	186	5
9SFYS021	4100	5500	O/BR	1	OCR N & E F HERE	.9	15	21	62	1	88	5
9SFYS022	4100	5525	O/BR	1	LEAVE LAST 12 SAMP.HERE	.6	11	19	24	1	115	5
9SFYS023	4100	5550	O/BR	1	ROCKY	.4	1	11	23	1	90	5
9SFYS024	4100	5575	O/BR	1		.5	1	16	23	1	120	5
9SFYS025	4100	5600	O/BR	1		.3	1	18	35	1	110	5
9SFYS028	4100	5675	T/BR	1		.5	4	33	37	1	81	5
9SFYS029	4100	5700	O/BR	1	2M S OF STATION	.8	3	22	30	3	85	5
9SFYS030	4100	5725	O/BR	1		.5	6	14	24	1	89	5
9SFYS031	4100	5750	O/BR	1		.4	6	8	22	1	104	5
9SFYS032	4100	5775	O/BR	1	ROCKY	.5	9	11	21	1	121	5
9SFYS033	4100	5800	T/BR	1	LEAVE SAMPLES HERE	.5	19	27	27	1	81	5
9SFYS034	4100	5825	T/BR	1		.5	17	30	29	1	65	5
9SFYS035	4100	5850	O/BR	1	OUTCROP	.4	5	7	14	1	124	10
9SFYS036	4100	5875	O/BR	1		.5	9	10	20	1	121	5
9SFYS037	4100	5900	T/BR	1	3M S OF STATION	.5	19	22	24	1	58	5
9SFYS038	4100	5925	O/BR	1		.4	6	9	17	1	99	5
9SFYS039	4100	5950	T/BR	2	MOIST	1.2	18	40	30	3	127	5
9SFYS040	4100	5975	O/BR	1	ROCKY THROUGH STREAM	.7	11	20	43	2	146	5
9SFYS041	4100	6000	T/BR	1	5M N OF LOG HEAP	.7	18	27	23	1	76	5
9SFYS042	4100	6025	BR	1		.7	17	23	30	1	101	5
9SFYS043	4100	6050	O/BR	1		.4	8	8	23	1	105	10
9SFYS044	4100	6075	O/BR	1		.6	13	10	28	3	110	5
9SFYS045	4100	6100	O/BR	1		.9	21	20	28	3	101	5
9SFYS046	4100	6125	O/BR	1		.9	19	10	22	4	119	5
9SFYS047	4100	6150	O/BR	1		.8	18	12	15	2	106	5
9SFYS048	4200	6000	T/BR	1	DEEP CLIFF	.6	8	26	30	1	106	5
9SFYS049	4200	6025	O/BR	1		.4	6	17	25	1	167	5
9SFYS050	4200	6050	O/BR	1		.7	1	13	21	1	127	5
9SFYS051	4200	6075	O/BR	1	ROCKS, ROOTS	.4	3	24	26	1	122	10
9SFYS052	4200	6100	O/BR	1	WELL COVERED/B/OILY SOIL	4.2	48	243	65	5	173	5
9SFYS053	4200	6125	T/BR	1	ROCKY	.8	14	39	33	1	93	5
9SFYS054	4200	6150	GR/BR	1		.2	1	7	7	1	47	5
9SFYS055	4200	6175	O/BR	1		.1	1	10	17	1	96	5
9SFYS056	4200	6200	O/BR	1	2M S OF STATION	.7	20	36	33	2	108	10
9SFYS057	4200	6225	G/BR	1	LEAVE SAMPLES HERE	1.2	25	24	31	4	96	5
9SFYS058	4200	6250	T/BR	1		.4	14	24	27	2	83	5
9SFYS059	4200	6275	O/BR	1		.5	1	14	19	1	110	5
9SFYS060	4200	6300	O/BR	1		.8	12	25	18	2	81	5
9SFYS061	4200	6325	O/BR	1		.6	4	14	21	1	108	5
9SFYS062	4200	6350	O/BR	1		.6	3	17	21	1	105	5
9SFYS063	4200	6375	O/BR	1		.5	4	20	27	1	161	5
9SFYS064	4200	6400	GR/BR	1	DEEP ORGANICS	.6	5	22	21	1	96	10

1989 FY GRID SOIL RESULTS

SAMPLE	EAST	NORTH	COL	WET	REMARKS	AG_PPM	AS_PPM	CU_PPM	PB_PPM	SB_PPM	ZN_PPM	AU_PPB
9SFYS067	4200	6475	T/BR	1	LEAVE SAMPLES HERE	1.2	24	35	35	3	108	5
9SFYS068	4200	6500	BR	1		.7	7	21	25	1	107	10
9SFYS069	4200	6525	O/BR	1		.7	5	18	18	1	119	5
9SFYS070	4200	6550	O/BR	1		.5	1	12	14	1	88	5
9SFYS071	4200	6575	O/BR	1	TAKEN 3M E (DUFF)	.5	1	13	17	1	102	5
9SFYS072	4200	6600	O/BR	1	2M E OF STATION	.7	5	15	19	1	83	10
9SFYS073	4200	6625	T/BR	1	3M S OF STATION	.9	26	37	33	2	72	5
9SFYS074	4200	6650	T/BR	1		.7	5	15	21	1	169	5
9SFYS075	4200	6675	T/BR	1		.8	5	22	24	1	145	5
9SFYS076	4200	6700	T/BR	1		1.7	21	25	33	4	86	10
9SFYS077	4200	6725	O/BR	1		1.4	15	19	24	2	91	5
9SFYS078	4200	6750	O/BR	1	LEAVE SAMPLES HERE	1.3	5	17	20	2	82	5
9SFYS079	4200	6775	T/BR	1		1.5	18	22	27	1	62	5
9SFYS080	4200	6800	T/BR	1		1.9	16	26	32	2	59	5
9SFYS081	4200	6825	T/BR	1		1.7	23	18	30	2	51	10
9SFYS082	4200	6850	O/BR	1		.7	7	9	16	1	47	5
9SFYS083	4200	6875	O/BR	1	SWAMP LOTS OF DUFF	2.0	32	99	47	3	159	5
9SFYS084	4200	6900	O/BR	1		1.2	21	48	43	3	150	5
9SFYS085	4200	6925	O/BR	1		1.4	27	51	41	3	115	5
9SFYS086	4200	6950	O/BR	1	ROOTS	1.1	26	62	37	2	128	5
9SFYS087	4200	6975	O/BR	1	DEEP DUFF	1.2	11	42	31	1	80	10
9SFYS088	4200	7000	O/BR	1	LEAVE SAMPLES HERE	1.2	31	75	40	2	130	10
9SFYS089	4200	7025	O/BR	1		1.1	16	56	40	1	146	5
9SFYS090	4200	7050	O/BR	1		1.2	25	98	38	2	120	5
9SFYS091	4200	7075		1	STREAM, HEAVY DUFF	0.0	0	0	0	0	0	0
9SFYS092	4200	7100	O/BR	1		.7	22	45	35	1	86	5
9SFYS093	4200	7125	O/BR	1		1.1	32	103	46	2	133	5
9SFYS094	4200	7150	O/BR	1		.8	24	67	40	1	108	5
9SFYS095	4200	7175	O/BR	4	VERY WET,10M TO N	1.1	17	34	37	1	74	5
9SFYS096	4500	6000	O/BR	1	START LINE	0.0	0	0	0	0	0	0
9SFYS097	4500	6025	O/BR	1		.7	11	19	33	1	113	5
9SFYS098	4500	6050	T/BR	1		.6	15	23	34	1	92	5
9SFYS099	4500	6075	T/BR	1		.2	6	19	32	1	79	10
9SFYS100	4500	6100	T/BR	1		.6	18	30	33	2	92	20
9SFYS101	4500	6125	O/BR	1		.3	8	12	26	1	147	5
9SFYS102	4500	6150	O/BR	1		.5	5	14	20	1	113	10
9SFYS104	4500	6200	O/BR	1		.3	12	18	28	1	166	5
9SFYS105	4500	6225	T/BR	1		.5	8	31	29	1	91	5
9SFYS106	4500	7000	T/BR	1	GOING S DOWN GRID	1.1	18	21	29	1	61	5
9SFYS107	4500	6975	O/BR	1		1.0	13	23	28	1	77	5
9SFYS108	4500	6950	T/BR	1	3M TO NW (ROAD)	1.2	28	40	40	3	77	5
9SFYS109	4500	6925	O/BR	1	4M S OF ROAD	.5	8	21	29	1	87	5
9SFYS110	4500	6900	O/BR	1		.7	25	34	30	1	81	5
9SFYS111	4500	6875	O/BR	1		.7	10	20	34	1	97	5
9SFYS112	4500	6850	O/BR	1	DEEP ORGANIC LAYER	1.5	20	83	35	1	97	5
9SFYS113	4500	6825	O/BR	1		.3	1	16	15	1	86	10
9SFYS114	4500	6800	T/BR	1	STREAM 2M TO SOUTH	.1	10	16	28	1	70	5
9SFYS115	4500	6775	T/BR	1		.7	7	12	16	1	63	5
9SFYS116	4500	6750	T/BR	1	DEEP DUFF VERY WET	.6	3	12	15	1	36	5
9SFYS117	4500	6725	O/BR	1	LEAVE SAMPLES HERE	.8	5	26	30	1	84	5
9SFYS118	4500	6700	O/BR	1		.5	7	13	26	1	138	5
9SFYS119	4500	6675	O/BR	1		.6	14	24	28	1	111	5
9SFYS120	4500	6650	T/BR	1		1.0	13	20	25	1	65	5
9SFYS121	4500	6625	T/BR	1		1.2	19	26	29	1	89	10
9SFYS122	4500	6600	T/BR	1		.8	14	25	29	1	80	10
9SFYS123	4500	6575	T/BR	1		.9	11	18	27	1	74	5
9SFYS124	4500	6550	T/BR	1		.7	1	22	24	1	70	5
9SFYS125	4500	6525	T/BR	1		1.0	20	45	31	1	109	5
9SFYS126	4500	6500	GR	1	BLACK OILY SOIL COVER	2.2	49	190	51	5	149	5
9SFYS127	4500	6475	T/BR	1		1.1	6	29	32	1	89	5
9SFYS128	4500	6450	O/BR	1	LEAVE SAMPLES HERE	1.2	6	26	28	1	105	10
9SFYS129	4500	6425	T/BR	1		1.5	17	30	33	2	78	5
9SFYS130	4500	6400	O/BR	1		1.1	22	27	26	1	118	5
9SFYS131	4500	6375	O/BR	1		.7	11	32	29	1	107	5

1989 FY GRID SOIL RESULTS

SAMPLE	EAST	NORTH	COL	WET	REMARKS	AG_PPM	AS_PPM	CU_PPM	PB_PPM	SB_PPM	ZN_PPM	AU_PPB
9SFYS132	4500	6350	O/BR	1		.5	9	23	28	1	116	5
9SFYS133	4500	6325	T/BR	1	HARD PAN CLAY-ROCKY	.5	14	23	31	1	70	5
9SFYS134	4500	6300	T/BR	1		.5	10	25	26	1	81	10
9SFYS135	4500	6275	T/BR	1	~5M S OF STA., BLACK MUD	.6	15	46	40	1	122	5
9SFYS136	4500	6250	O/BR	1		.4	12	27	27	1	122	5
9SFYS137	4200	7200	O/BR	1	LAST STA. RET. DOWN LINE	.5	21	31	34	1	72	5

APPENDIX III

STATEMENT OF COSTS

STATEMENT OF COSTS
FY GROUP

Line Cutting:

MWH Geo-Surveys Ltd. 19km @ $330/km.....$ 6,720.00

Soil Geochemistry:

Labour: Darcy Feller 4 days @ $150/day
Kelly Sexsmith 4 days @ $150/day
Kathi Hoffman 4 days @ $150/day.....$ 1,800.00

581 Soil Samples @ 13.00 ea.....$ 7,553.00

Freight.....$ 400.00

Supplies.....$ 250.00

Logistics:

Accommodation and Meals: 25 mandays @ $25/day.....$ 625.00

Vehicles: 5 days @ $50/day.....$ 250.00

Miscellaneous Field Costs.....$ 269.00

Travel Expenses.....$ 400.00

Supervision:

Dave Heberlein - 2 days @ $300/day.....$ 600.00

Report Preparation:

Dave Heberlein - 2 days @ $300/day.....$ 600.00

Drafting and Map Plotting.....$ 250.00

Reproduction Costs.....$ 100.00

SUB-TOTAL $19,817.00

PAC Withdrawal:.....$ 3,383.00

TOTAL $23,200.00

STATEMENT OF COSTS
FY-ANNA GROUP

DRILLING:

Contractor:	534.8m @ $61	$ 32,622.80
Geologist:	Chris Wild - 7 days @ $300/day	$ 2,100.00
Assistant:	Darcy Feller 7 days @ $150/day	$ 1,050.00
Analyses:	24 Litho samples @ $25	$ 600.00

LOGISTICS:

Meals and Accommodation:	14 mandays @ $25/day	$ 350.00
Vehicle:	7 days @ $50/day	$ 350.00
Field Expenses:		$ 100.00

REPORT PREPARATION:

Dave Heberlein	1.5 days @ $300/day	$ 450.00
Photocopying and Map Reproduction		$ 64.00

TOTAL $ 37,686.80

APPENDIX IV

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, David Heberlein of 821 Pinemont Avenue, Port Coquitlam, B.C. do hereby certify that:

1. I graduated from the University of Southampton, England with a B.Sc (Honours) Degree in Geology in 1980.

2. I graduated from the University of British Columbia with M.Sc Degree in Geology in 1985.

3. I have practised my profession continuously since my graduation.

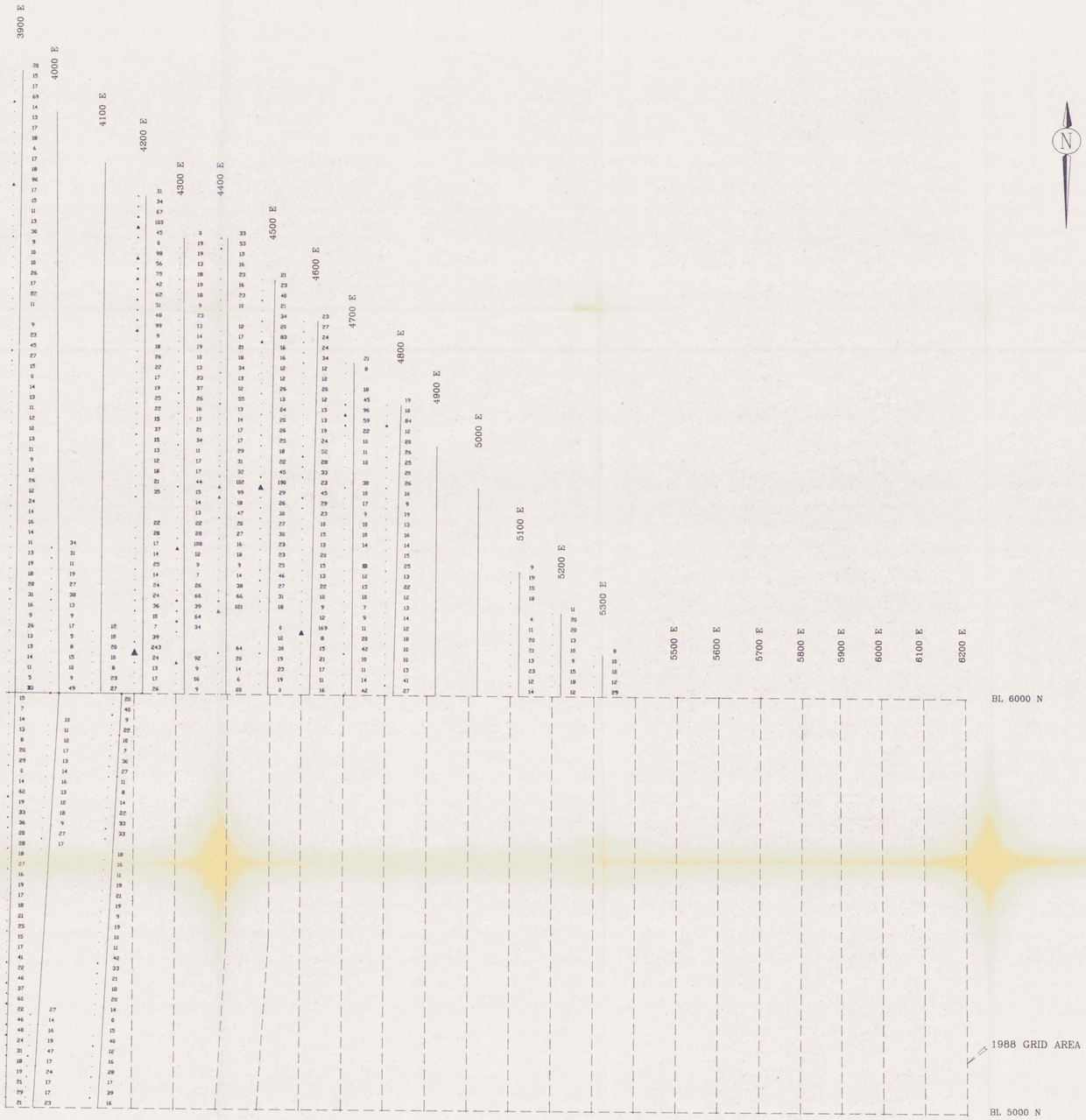
4. I am a Fellow of the Geological Association of Canada.

5. I am currently employed by Minnova Inc. as a Project Geologist.

6. Work described in this report was carried out under my direct supervision.

Date: March 20, 1990

Signature: 

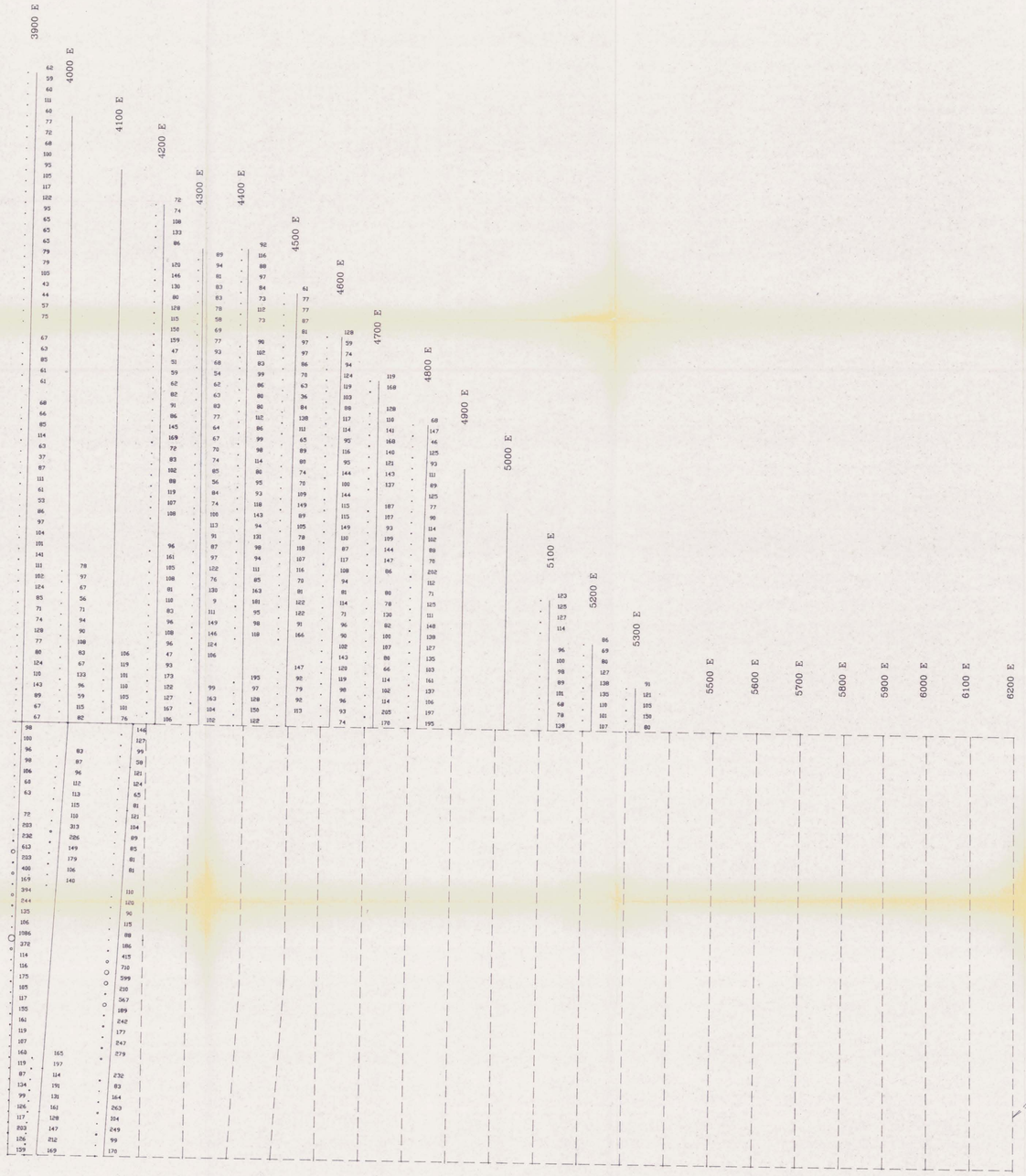


MINNOVA Inc.

FIG. No. 4

FY CLAIMS
1989 SOIL SURVEY
PROPORTIONAL PLOT
COPPER (ppm)

Date : FEBRUARY 1990
Approved by :
Drawn by : DH/eg
Supervised by :
SCALE: 1:5000 (metres)
0 50 100 150 200



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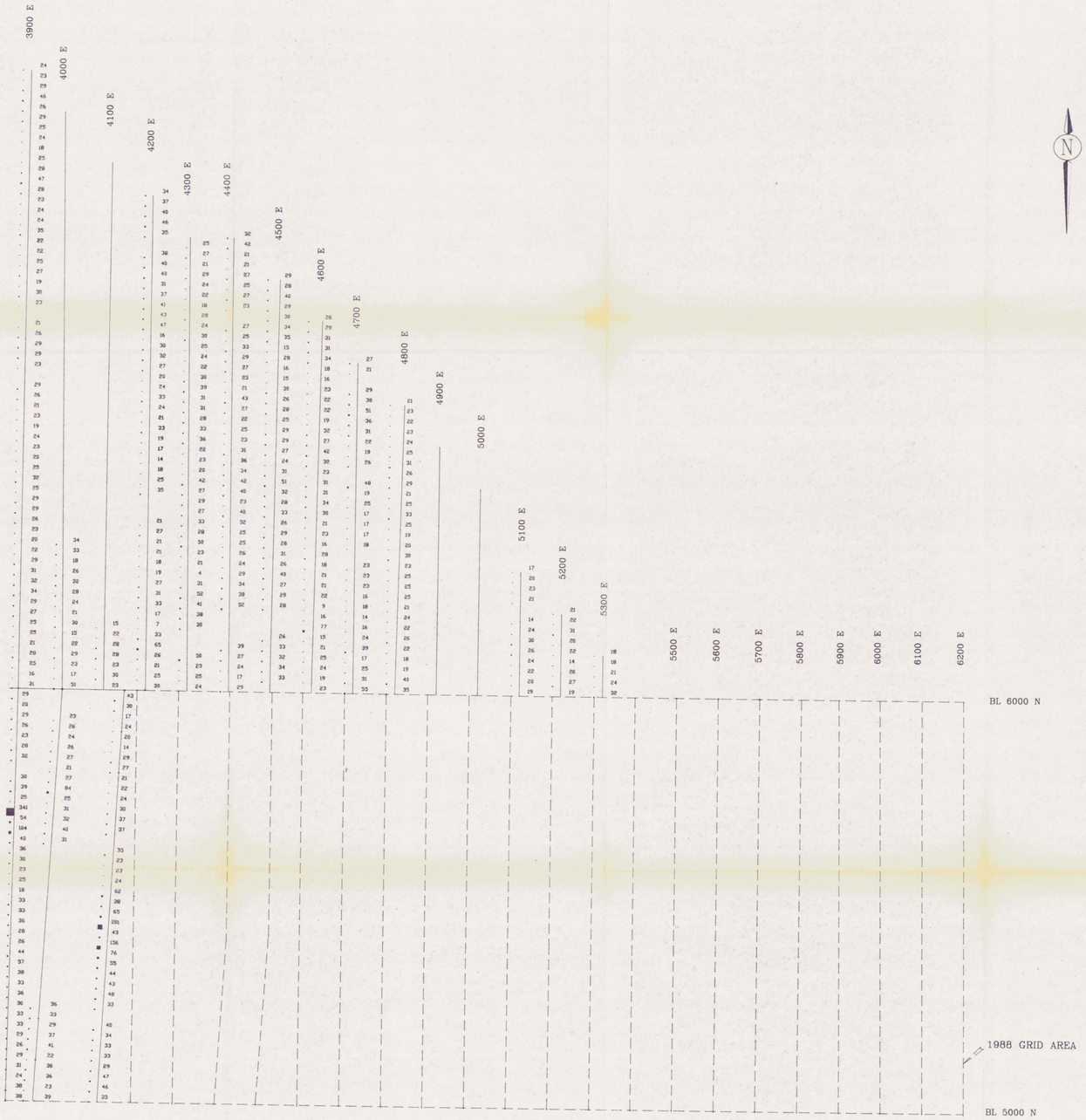
MINNOVA Inc.

FIG. No. 6

FY CLAIMS
1989 SOIL SURVEY
PROPORTIONAL PLOT
ZINC (ppm)

Date : FEBRUARY 1990
Approved by :
Drawn by : DH/ag
Supervised by :
SCALE: 1:5000 (metres)
0 50 100 150 200



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GEOLOGICAL BRANCH
ASSESSMENT REPORT

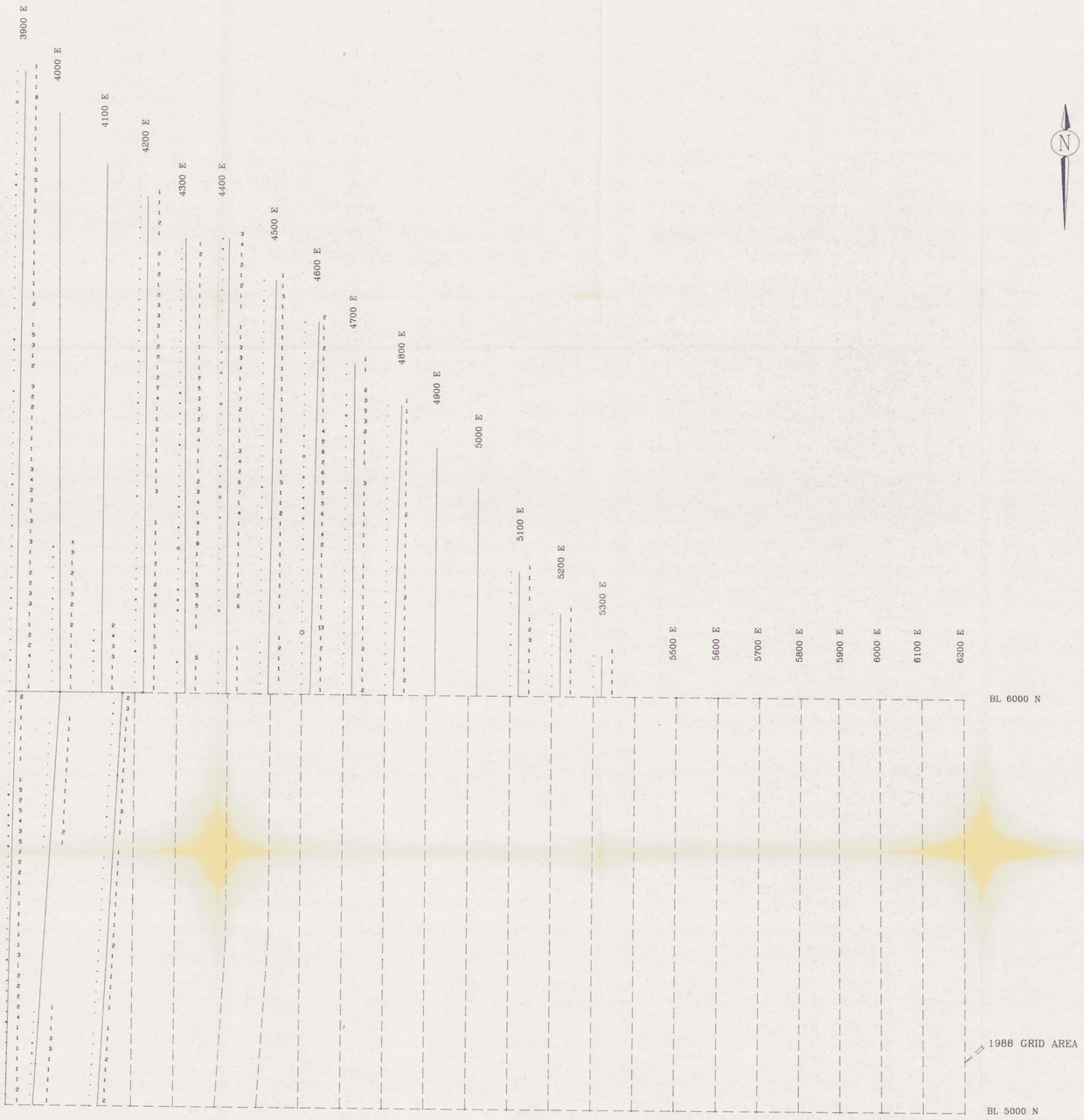
19,846

MINNOVA Inc.

FIG. No. 5

FY CLAIMS
1989 SOIL SURVEY
PROPORTIONAL PLOT
LEAD (ppm)

Date : FEBRUARY 1990
Approved by :
Drawn by : DH/eg
Supervised by :
SCALE: 1:5000 (metres)
0 50 100 150 200



GEOLOGICAL BRANCH
ASSESSMENT REPORT

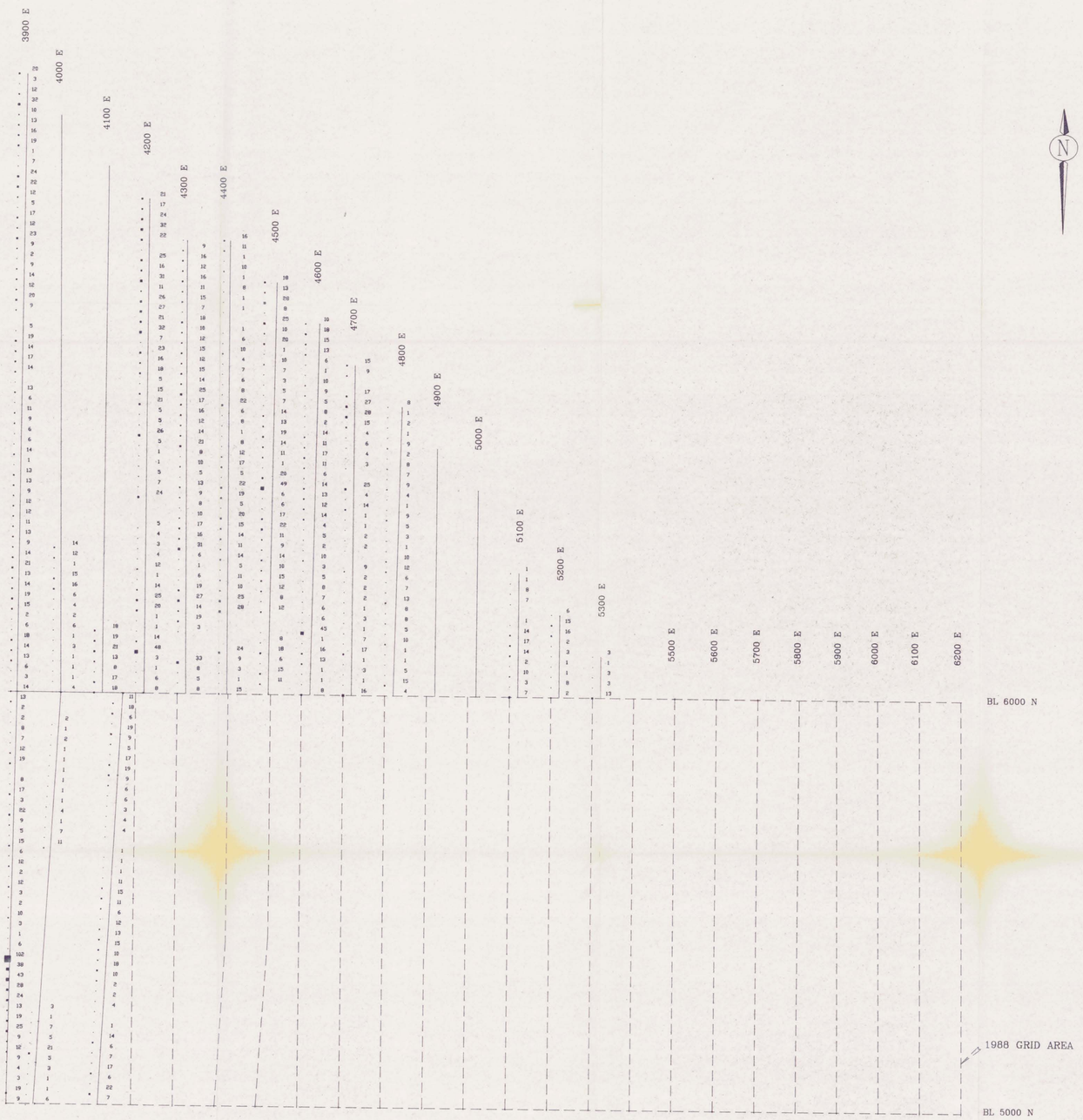
19,846

MINNOVA Inc.

FIG. No. 7

FY CLAIMS
1989 SOIL SURVEY
PROPORTIONAL PLOT
ANTIMONY (ppm)

Date : FEBRUARY 1990
Approved by :
Drawn by : DH/eg
Supervised by :
SCALE: 1:5000 (metres)
0 50 100 150 200

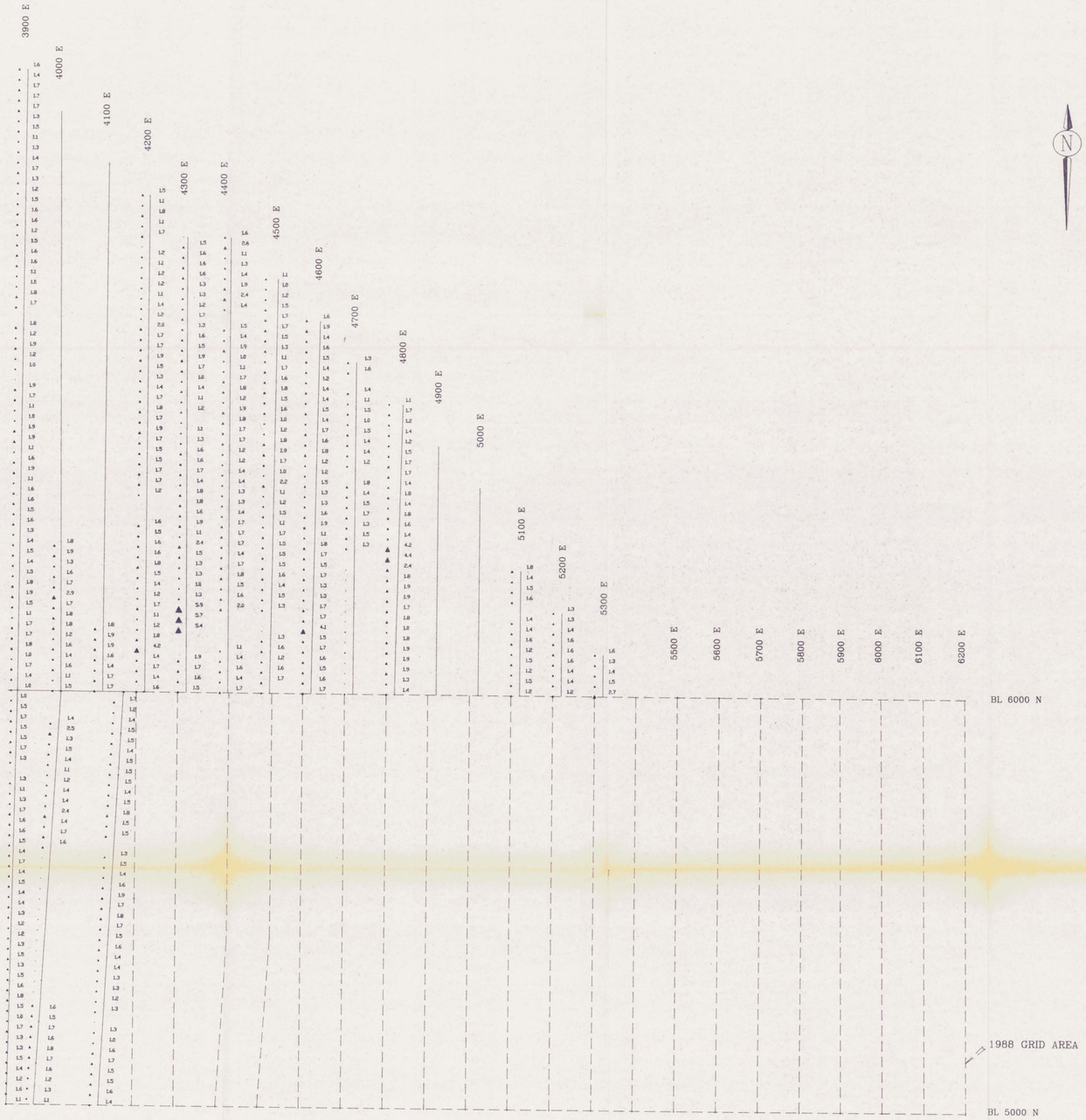


MINNOVA Inc.

FIG. No. 8

FY CLAIMS
1989 SOIL SURVEY
PROPORTIONAL PLOT
ARSENIC (ppm)

Date : FEBRUARY 1990
Approved by :
Drawn by : DH/aq
Supervised by :
SCALE: 1:5000 (metres)
0 50 100 150 200

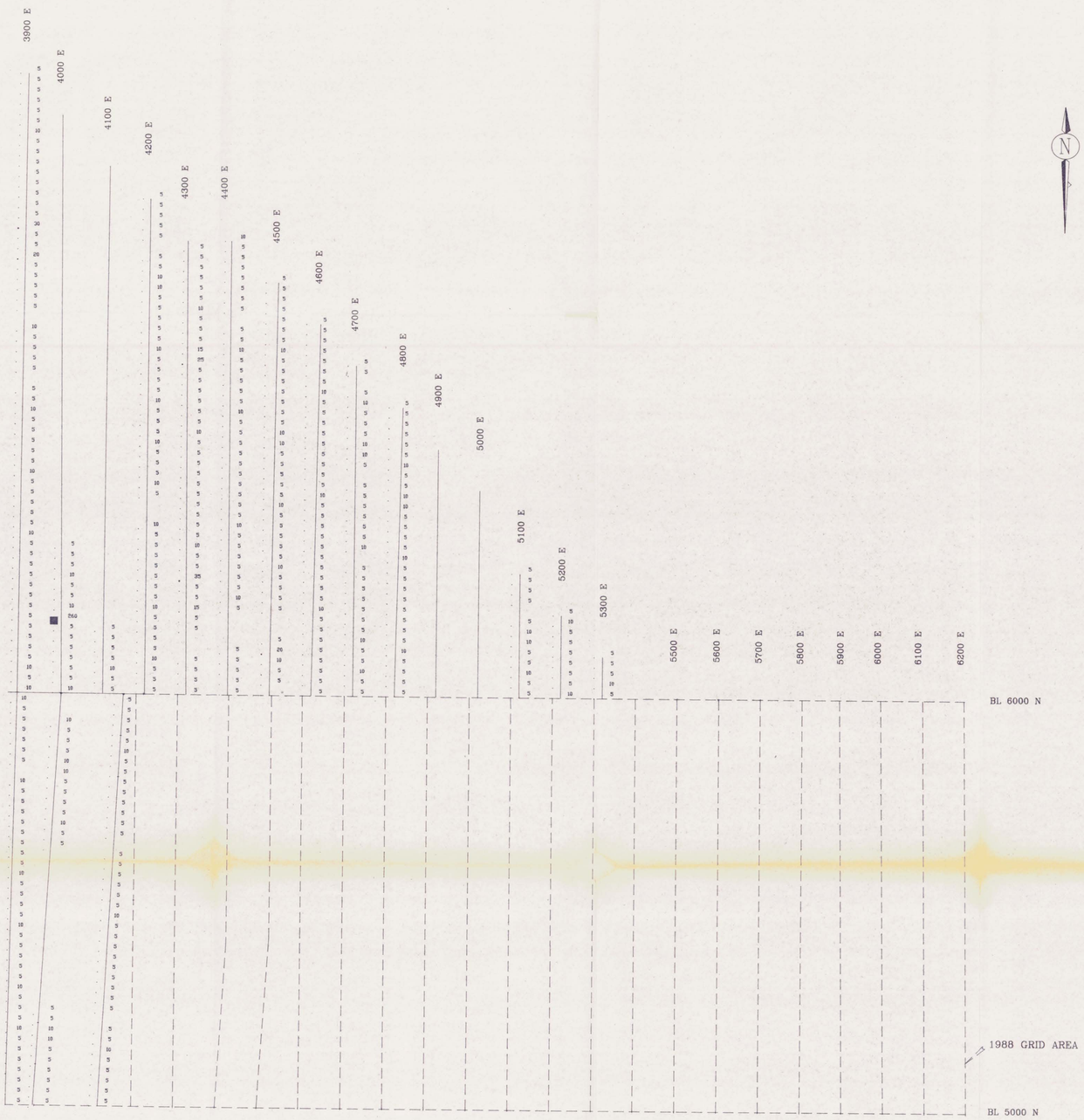


MINNOVA Inc.

FIG. No. 9

FY CLAIMS
1989 SOIL SURVEY
PROPORTIONAL PLOT
SILVER (ppm)

Date : FEBRUARY 1990
Drawn by : DH/ag
Supervised by :
Approved by :
SCALE: 1:5000 (metres)
0 50 100 150 200



GEOLOGICAL BRANCH
ASSESSMENT REPORT

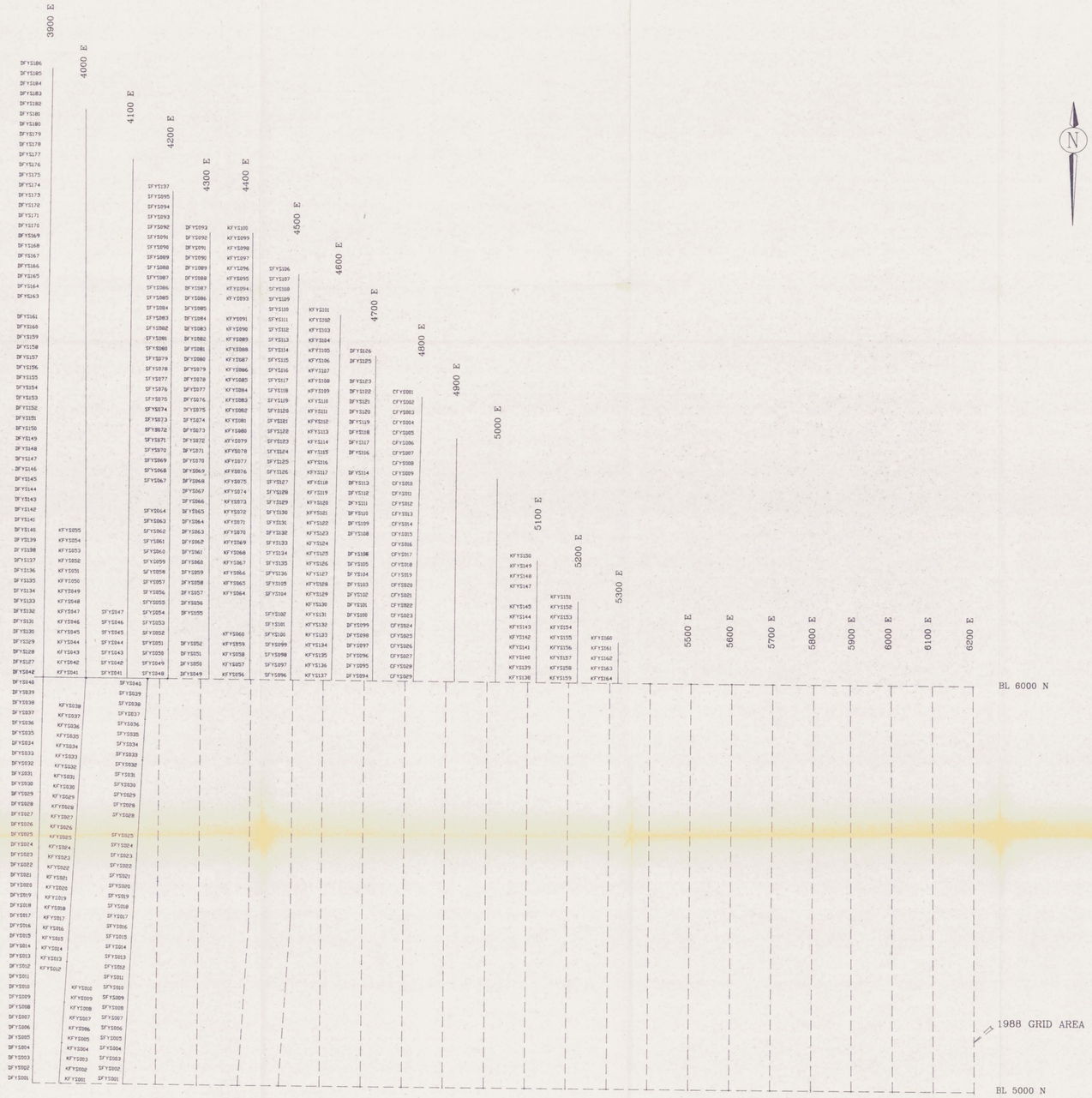
19,846

MINNOVA Inc.

FIG. No. 10

FY CLAIMS
1989 SOIL SURVEY
PROPORTIONAL PLOT
GOLD (ppb)

Date : FEBRUARY 1990
Drawn by : DH/eg
Supervised by :
Approved by :
SCALE: 1:5000 (metres)
0 50 100 150 200



GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,846

MINNOVA Inc.

FIG. No. 11

FY CLAIMS
1989 SOIL SURVEY
PROPORTIONAL PLOT
SAMPLE LOCATIONS

Date : FEBRUARY 1990
Approved by :
Drawn by : DH/eg
Supervised by :
SCALE: 1:5000 (metres)
0 50 100 150 200