GEOCHEMICAL ASSESSMENT REPORT

ON THE

SC AND RC CLAIM GROUPS
(STIRRUP CREEK PROJECT)

CLINTON M.D., BRITISH COLUMBIA

NTS 92O/1E & NTS 92O/1W

D.H. WOOD, M.S., P.GEO.
June 15, 1997

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INTRODUCTION

The SC and RC Claim Groups are located on and surrounding Stirrup Creek, a tributary of Watson Bar Creek (Fig. 1). The creek has been a placer gold producing stream since the early 1900's (Warren, 1982).

Gold mineralization is known to exist on the adjacent Astonisher and Chisholm crown granted claims at the headwaters of Stirrup Creek and the Mad claim group on Watson Bar Creek (Sadlier-Brown, 1993).

Exploration work on the area of the North Fork 1 claim (Fig. 2) by Cazador Explorations Ltd. in the late 1980's (Lammle, 1987; Chapman and Boyde, 1988) outlined gold, arsenic and mercury soil anomalies which are consistent with epithermal gold mineralization at shallow depths. Wood (1995) found anomalous gold, arsenic and mercury in rocks associated with areas of argillic and propyllitic alteration and concluded these and the soil anomalies to be consistent with shallow buried epithermal gold-silver mineralization.

A soil geochemical survey consisting of 10 line-kilometers grid covering two areas, and including a 1250 meter baseline were emplaced over anomalous areas outlined by soil surveys conducted by Cazador Explorations. The results of the 1996 survey confirm the anomalies and increased the density of sampling obtained in previous work.

HISTORY

Gold has been produced intermittently from placer deposits along Stirrup Creek since discovery during World War I. Although production figures are not available, Warren (1982) suggests estimates of between 3000 to 5000 ounces for the first 25 years after discovery. At least this amount has been subsequently produced, principally during the late 1970's to 1990. A conservative figure for total placer production would be on the order of 25 to 30 kg (8000 to 10,000 troy ounces).

Placer gold was traced in part to epithermal mineralization at the headwaters of Stirrup Creek during the 1930's. This was followed by underground exploration, but the properties were abandoned during the 1940's due to the cessation of gold mining and low gold prices.

The renewed interest in precious metals during the 1980's resulted in production from the Blackdome deposit, located some 30 km northwest of the SC and RC Claim Groups, and in renewed exploration of the Watson Bar and Stirrup Creek areas. BHP-Utah Ltd. has trenched and drilled the Mad claims, located immediately southeast of the SC Claim Group and continues to perform assessment work. Gold occurrences at the Astonisher and Chisholm Crown Granted claims were tested by drilling, trenching and geochemical surveys by Chevron Minerals (this area, less the Crown Granted claims, constitutes the northern half of the North Fork 2 4-post mineral claim). Tonnage and grade estimates based on the drilling by BHP and Chevron are not available.

Cyprus Minerals and successor Stirrup Creek Gold Ltd. have outlined a northwest trending zone of significant gold mineralization associated with propyllitically altered Cretaceous metasedimentary rocks in the area of Second Creek, located approximately 8 km southeast of the SC and RC Claim Groups.

PROPERTY STATUS

The SC and RC Claim Groups totaling 164 metric units are located in the Clinton Mining Division and are registered to L.A. Atha, Navarre Resources Corp., Andris Kikauka, and Michael McDonald all residents or entities of British Columbia. The two claim groups (Fig. 3) have the following particulars:

Table I: Claim Status

Claim Name	Claim Type	Claim Size	Tenure Number	Expiry Date	Title Holder
SC Group					
North Fork 1	4-post	9 units	326485	June 16, 1997	L.A. Atha
North Fork 2	4-post	9 units	326487	June 16, 1997	L.A. Atha
North Fork 3	4-post	6 units	347860	July 1, 1997	Navarre
North Fork 4	4-post	18 units	347861	July 2, 1997	Navarre
NF 5 to 7	2-post	4 units	347908 to 347910	July 2, 1997	Navarre
GB 6	4-podt	16 units	347867	July 11, 1997	A. Kikauka
GB 7	4-post	16 units	347868	July 11, 1997	A. Kikauka
GB 8	4-post	4 units	347869	July 11, 1997	A. Kikauka
G 9 to 27	2-post	19 units	347916 to 347934	July 8-12, 1997	A. Kikauka
RC Group					
Rod 1	4-post	20 units	351289	Oct. 4, 1997	M. McDonald
Rod 2	4-post	6 units	351290	Oct. 4, 1997	M. McDonald
Rod 3	4-post	20 units	351291	Oct. 4, 1997	M. McDonald
Rod 4	4-post	12 units	351292	Oct. 4, 1997	M. McDonald
Rod 5	2-post	1 unit	351293	Oct. 2, 1997	M. McDonald
NF 8 to 12	2-post	8 units	347911 to 347915	July 1, 1997	Navarre
North Fork 1	4-post	9 units	326485	June 16, 1997	L.A. Atha
North Fork 3	4-post	6 units	347860	July 1, 1997	Navarre

GEOLOGY

The SC and RC Claim Groups are underlain by clastic sedimentary rocks of the lower Cretaceous Jackass Mountain Group. Early Eocene felsic porphyry dikes, sills and plugs, intrude clastic rocks. Locally Miocene clastics overlie and basalt dikes crosscut older lithologies.

Eocene intrusive and extrusive rocks are related to extensional tectonic activity, preserved as a northwest trending graben bounded on the east by the Yalakom Fault and on the west by the Hungry Valley Fault (Tipper, 1978).

Gold mineralization in the area is associated with subsidiary faults within the graben and is related to fossil hot springs associated with Eocene igneous activity which used these faults as conduits.

MINERALIZATION AND ALTERATION

Field examinations of the SC and RC Claim Groups and the Crown Grants conducted during 1996 indicate that alteration of Cretaceous clastic sediments is consistent with that to be expected above epithermal gold mineralization.

Sandstone and felsic to intermediate volcanic and high level intrusive rocks in the area of soil anomalies exhibit propylitic and argillic alteration. Propylitic alteration is found in gossanous outcrops with minor pyrite and carbonate accompanying chlorite and epidote. Zones of propylitic alteration on the property strike roughly perpendicular to Stirrup Creek, which is interpreted as a structurally related physiographic feature.

Within the propylitic alteration zones are zones of argillic alteration accompanied by chalcedonic quartz breccia veins. Very fine-grained metacinnabar (?) and pyrite occur within chalcedonic quartz, giving it a dark gray to black color. Anhydrite occurs as an accessory mineral within and adjacent to zones of argillic alteration.

Quartz and feldspar porphyry dikes occurs throughout the property area. In the central portion of the SC Claim Group, and extending northwesterly through the RC Claim Group, argillic alteration was noted in both intrusive and sedimentary rocks. Elsewhere dikes occur in numerous isolated outcrops, associated with areas of propylitic alteration.

Propyllitic alteration can be seen on a regional scale to be associated with WNW and north trending extensional faults (Fig. 4). These faults are related to a Tertiary pull-apart basin associated with the Fraser and Yalakom transtensional faults. A graben, bounded on the west by a steeply dipping normal fault and on the east by a shallow dipping normal fault, extends to the northwest from the Fraser Fault, approximately 15 km southeast of the SC Claim Group, to the Blackdome Mountain area, some 20 km northwest of the property. Stirrup Creek, although not mapped as a fault, is located along a trend of propyllitically altered

Cretaceous sediments of the Jackass Mountain Group. This coincidence suggests that Stirrup Creek lies on the trend of a normal fault.

PREVIOUS WORK

Soil surveys were conducted by Cazador Explorations in 1987 and 1988. These surveys identified two roughly southeast trending zones of anomalous Au, As and Hg associated with areas of propyllitic and argillic alteration. The most significant of these is located in the central portion of the claims where broad arsenic (31 to 558 ppm) and mercury (60 to 350 ppb) anomalies are coincident with gold soil anomalies ranging from 27 to 250 ppb (Lammle, 1987; Chapman and Boyde, 1988).

A trenching program was conducted within the last 10 years in an area 100 to 200 meters north of where these anomalies are located. The topography in this area and the lack of float traceable to the trenches indicates the trenches are not the likely source of the anomalies, assuming they predate the soil survey. The rocks in the trenches are typical of propyllitic altered sediments seen elsewhere on the claims. If these trenches were placed based on the soil survey, they were apparently mis-placed.

Table II: 1994 Rock Samples

Sample #	Description	Au (opt)	Hg (ppm)	As (ppm)	Sb (ppm)	Pb (ppm)	Zn (ppm)
111601	Argillic alteration of Fs ppy. Rusty weathering due to pyrite	ND*	1580	129.8	7.8	11	21
111602	Quartz adularia vein material from float. Minor rusty weathering.	ND	20	2.5	0.5	2	6
111603	Propyllitic alteration of quartz porphyry. Rusty weathering with gypsum/anhydrite and minor pyrite.	ND	630	42.2	2.0	160	192
111604	Silicified (chalcedonic) breccia with fragments of quartz-feldspar porphyry.	ND	100	83.3	1.2	13	41
111605	Blue quartz breccia with fragments of argillic altered volcanic in blue chalcedonic quartz matrix from zone of argillic alteration.	0.001	205	208.7	4.2	6	48

*=Not measurable by fire assay

Two visits were made the author to the SC and RC Claim Groups during 1994 (Wood, 1995). The visits resulted in the confirmation that the previously described exploration work had been accomplished and additionally allowed the author to conclude that anomalies are associated with zones of argillic and propyllitic alteration. Several rock samples were collected in 1994 from areas identified as anomalous by previous investigators and confirmed by this author as being associated with hydrothermal alteration. The results of these analyses, originally reported by Wood (1995) are re-reported as Table II.

Assuming an epithermal system, it is apparent from these results that economic mineralization exists at some depth from the present day surface. The currently accepted model of epithermal gold mineralization is in agreement with this supposition (Pantelyev, 1988). The probable depth to economic mineralization estimated to be on the order of 200 to 400 meters.

1996 WORK PROGRAM

In order to test the validity of soil sampling surveys conducted in the 1980's, a soil survey was conducted over anomalous areas outlined by Lammle (1987) and Chapman and Boyde (1988). The program lasted from August 7 to September 4, 1996 and employed two soil samplers (S.Lehman and V.Sault), one prospector (M.McDonald) and a geologist (D.H.Wood) for varying lengths of time (Appendix B).

A total of 10 line-kilometers of east-west grid lines along with a 1.25 kilometer north-south baseline were emplaced. A total of 213 soil samples were collected from the B horizon (15 to 40 cm depth) of the grid area at 50 meter intervals on grid lines. A further 28 soil and silt samples collected from other areas of the claims. All samples were stored in kraft paper envelopes for drying. Dried samples were sent to Pioneer Analytical Laboratories for analysis. Soils were analyzed by ICP method for 30 elements and by AA method for gold (see Appendix C for description of analytical method).

Rock samples (total of 119) were collected from altered outcrops and trenches over much of the property area. Samples were analyzed by Pioneer Analytical Laboratories for 30 elements by ICP method and for Au by AA method.

Rock Geochemistry

For the purposes of this report rock samples with gold ≥50 ppb are considered anomalous based on previous experience in areas of gold mineralization. A total of 11 samples out of 119 sampled (~9%) have anomalous gold concentrations (Table III).

Samples 96-14 (310 ppb) 96-84 (69 ppb) were collected from the Astonisher claims. The remaining anomalous samples are located within the boundaries of the SC and RC Claim Groups (Fig. 5 & Fig. 7).

Sample 96-80 (410 ppb) was collected near the eastern boundary of the Rod 5 2-post claim and represents a 10 meter random chip sample of road bank exposure of propyllitically altered fine grained sedimentary rock.

Sample 96-72 (250 ppb) was grab-sampled from altered sedimentary outcrop in the northwest portion of the Rod 5 claim.

Sample 96-76 (250 ppb) and 96-75 (230 ppb) were collected from a trench exposure in altered sediments in the southeast portion of the Rod 5 claim.

Sample 96-24 (245 ppb) was sampled from a scree slope of altered sedimentary rock in the south central portion of the Rod 1 claim (Fig. 5).

Sample 96-93 (210 ppb) was collected from an old trench immediately Northwest of the upper soil grid area (Fig. 7). This area is underlain by mixed propyllitically altered sedimentary rocks and similarly altered feldspar porphyry dikes.

Samples 96-78 (71 ppb) and 96-79 (70 ppb) were collected from an old trench near the southeast corner of the Rod 5 claim in material similar to that sampled for 96-76. Sample 96-74A (75 ppb) was collected from another trench exposure in the southeast portion of the Rod 5 claim.

Samples 96-27 to 96-30 and 96-96-40 to 96-42 were collected from west of the boundary claims area, but did not return anomalous results.

Table III: 1996 Rock Samples with anomalously high gold content.

Sample No.	Au* (ppb)	Cu (ppm)	As (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)
MM96-80	410	297	859	14	70	0.3
MM96-14	310	48	2991	11	265	0.3
MM96-72	250	143	27	9	27	0.3
MM96-76	250	156	520	13	38	0.4
MM96-24	245	100	18	15	32	0.3
MM96-75	230	565	310	11	27	1.4
MM96-93	210	324	7	4	12	0.3
MM96-74 (A)	75	121	34	10	18	0.3
MM96-78	71	179	789	9	25	0.3
MM96-79	70	187	999	14	37	0.3
MM96-84	69	95	788	16	112	0.3

A correlation matrix derived from the results of rock geochemical analyses (Table IV) shows a positive correlation between Au and Cu (0.25) and As (0.36). Cu shows an excellent positive correlation with Ag (0.61) and Pb correlates positively with Zn (0.40). The Au/As and Au/Cu correlations can be seen from Table III to relate with anomalous concentrations of Au.

Table IV: Correlation matrix for gold and base metals in rocks.

	Au (ppb)*	*Cu (ppm)*	*As (ppm)*	*Pb (ppm)*	*Zn (ppm)*	*Ag (ppm)*
Au* (ppb)	1					
Cu (ppm)	0.25	1				
As (ppm)	0.36	-0.01	1			
Pb (ppm)	0.07	-0.05	0.03	1		
Zn (ppm)	-0.02	-0.13	0.20	0.40	1	
Ag (ppm)	0.06	0.61	-0.03	0.20	0.12	1

Soil and Silt Geochemistry

Soil geochemistry results (Appendix C) were statistically analyzed to determine anomalous results for Au, As, and Cu. Thresholds were established for arithmetic and geometric mean plus three standard deviations (Table V).

Statistical analysis for Au in soils is problematic. The detection limit (3 ppb) skews the population distribution, making a determination of the mean (and therefore background) impossible. For this reason Au soil results from the grid area (Fig. 8) has been contoured using arbitrary discriminants of 10 ppb (background) 20 ppb (high background) and 100 ppb (anomalous). The statistically derived anomalous thresholds (98 ppb and 114 ppb) are with close to 100 ppb and so this number is considered valid for the purposes of this study.

As was found to have a normal population distribution so arithmetic statistics were used for contouring (Fig. 9).The population distribution of Cu in soils was found to be lognormal. The Cu results were therefore contoured using the geometric statistics (Fig. 10).

Table V: Soil Geochemistry Statistics

Arithmetic Statistics			
	Au* (ppb)	**Cu (ppm)**	**As (ppm)**
x	11	47	37
s	29	53	65
x+s	40	100	102
x+2s	69	153	167
x+3s Thresh.	**98**	**205**	**232**
Geometric Statistics			
	Au* (ppb)	**Cu (ppm)**	**As (ppm)**
x	3	34	16
s	4	2	4
x+s	10	74	57
x+2s	35	162	206
x+3s Thresh.	**114**	**353**	**731**

A correlation matrix (Table VI) was prepared for Au and base metal results from soils. Au was found to correlate positively with As (0.30) and to a lesser degree positively with Cu (0.16). Cu correlates positively with As (0.54) and Ag (0.42). As also correlates positively with Ag (0.33). The low correlation values for Au are a likely product of the detection limit problem mentioned above. The 0.30 correlation value for Au/As combined with the Cu/As value justifies the conclusion that Au, As and Cu concentrations are inter-related. This conclusion is confirmed by the coincidence of high background (x+2s) and anomalous populations (x+3s) for the three elements in grid area soils (Fig. 11).

Table VI: Correlation matrix for gold and base metals in soils.

	Au (ppb)*	*Cu (ppm)*	*As (ppm)*	*Pb (ppm)*	*Zn (ppm)*	*Ag (ppm)*
Au* (ppb)	1					
Cu (ppm)	0.16	1				
As (ppm)	0.30	0.54	1			
Pb (ppm)	0.02	0.08	0.16	1		
Zn (ppm)	0.05	-0.03	0.12	0.26	1	
Ag (ppm)	0.08	0.42	0.33	0.08	0.05	1

Two areas of particular interest were identified in the gird area (Figure 11). These are represented by coincident anomalous and high background Au+As and Au+As+Cu soil concentration located in the north grid segment between 15+50W and 10+00W on Line 21+00N and between 13+00W and 15+00W on Lines 13+00N and 12+50N. This second anomalous area coincides with a Au+Hg+As anomaly reported by Lammle (1987) and Chapman and Boyde (1988).

The north grid area zone of interest is further enhanced by the coincidence of an anomalous rock sample collected from immediately west of the grid area (210 ppb; 96-93).

Table VII: Soil Grid Au

Northing	Westing	Au* (ppb)	Cu (ppm)	As (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)
L10+50N	14+00E	260	24	63	7	95	0.3
L11+00N	14+50E	180	24	11	5	104	0.3
L13+50N	15+00E	160	23	41	4	66	0.3
L13+00N	14+50E	110	109	404	5	79	0.3
L13+00N	15+00E	105	497	554	12	102	0.8
L21+50N	16+00E	105	152	46	3	32	0.3
L14+50N	11+50E	95	8	5	3	57	0.3
L20+00N	14+00E	95	21	18	8	43	0.3
L14+00N	13+50E	75	45	45	3	63	0.3
L13+50N	13+00E	64	39	75	6	83	0.3
L15+00N	12+00E	60	60	41	3	78	0.3
L12+50N	15+00E	59	100	385	8	157	0.3
L14+50N	11+00E	47	25	3	3	114	0.3
L11+50N	11+00E	42	59	18	11	104	0.3
L11+50N	15+00E	37	29	17	5	108	0.3
L13+50N	10+00E	37	23	8	4	66	0.3
L12+50N	14+00E	32	89	190	3	87	0.4
L14+50N	14+50E	25	30	27	3	52	0.3
L13+50N	13+50E	24	58	58	4	72	0.3
L21+00N	13+00E	21	30	23	4	101	0.3
L12+50N	13+50E	20	26	97	6	73	0.3

Outside of the grid area soil and silt samples collected from 28 locations (Fig. 6) returned only one anomalous Au result (Table VIII; 225 ppb; SS-13). This sample was collected from a road cut on the east side of Stirrup Creek in the south central portion of the North Fork 4 mineral claim. The rock exposed here is propyllitic altered interbedded shale and sandstone (turbidite).

Table VIII: Soil/Silt outside of grid area

Sample	Au* (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)
MM 96 SS-13	225	161	6	70	0.3
MM 96 SS-6	26	22	8	70	0.3
MM 96 SS-27	25	921	3	26	0.3
MM 96 SS-11	19	74	9	71	0.3
MM 96 SS-14	15	145	6	80	0.3
MM 96 SS-26	14	220	6	42	0.3
MM 96 SS-20	10	256	7	39	0.3

CONCLUSIONS

The accumulated geological and geochemical evidence from the 1996 and earlier surveys of the SC and RC Claim Groups area are consistent with the presence low sulfide gold mineralization.

Coincident arsenic, gold and mercury soil anomalies (Lammle, 1987; Chapman and Boyde, 1988) as well as arsenic, gold and copper anomalies (this study) associated with argillic and propyllitic alteration and high level felsic to intermediate dikes are typical of alteration occurring in the upper or distal portions of an epithermal deposit.

A synthesis of the data with current models of low sulfide epithermal mineralization (Buchanan, 1981; Panteleyev, 1988; Meinert, 1993) indicates that economic mineralization may exist at shallow depths (200 to 400 meters) below the present surface area of the soil anomalies in the central and southern portion of the SC and RC Claim Groups.

Rock sampling from the northwest portion of the grid area and from Rod claims area (northwest portion of the RC Claim Group area) support these conclusions. The anomalous rock samples from the Rod 4 claim area indicate that this area is underlain by an extension of mineralization known to exist on the Astonisher Crown Grants.

The spot soil anomaly on the east side of Stirrup Creek (North Fork 4 claim) supports a conclusion that this and other propyllitically altered areas within the claims area host multiple mineralized systems related to Tertiary extensional faulting and associated tension related igneous activity.

RECOMMENDATIONS

A three stage program of geological mapping and soil geochemistry surveys, followed by drill testing is recommended to determine the economic potential of the property. A sum of $291,500 (CDN) is required to perform the recommended program.

Soil surveys are required to test the westward extent of soil anomalies encountered by the 1996 survey, the anomalous spot soil from the North Fork 4 claim area, and from the areas of the Rod 5 and Rod 1 claims where anomalous rock samples were found.

Geophysics may provide limited data on structures, but not significantly more than geological mapping can. Geophysical surveys are therefore not considered a high priority.

Shallow trenching or even shallow drilling are unlikely to penetrate to the level of significant epithermal gold mineralization, therefore any drilling program will require a minimum of 1000 meters to allow for at least one deep hole to test for the depth of the system.

A favorable outcome at each stage is required before the next stage should be started. The following table provides estimates of the costs associated with each stage of exploration:

Recommended Further Exploration

ITEM	COST
Stage I	
Soil Surveys	
15 km	25,000
Geological Mapping	
1:1,000 Scale (detailed)	5,000
1:5,000 Scale	5,000
Report Preparation	5,000
Contingencies (@10%)	4,000
Stage I Total	*$44,000*
Stage II	
Drilling 1,000 meters	60,000
Supervision	10,000
Report Preparation	5,000
Contingencies (@10%)	7,500
Stage II Total	*$82,500*
Stage III	
Drilling 2,000 meters	120,000
Supervision	20,000
Report Preparation	10,000
Contingencies (@10%)	15,000
Total Stage III	*$165,000*
Total Recommended Program	**$291,500**

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APPENDIX A - CERTIFICATE OF QUALIFICATIONS

I Douglas H. Wood of the city of Pullman in the State of Washington do hereby certify as follows:

1. I am a consulting and contract geologist based in Pullman, Washington and have been active in mineral exploration and regional mapping since 1977 and that I was present on the SC and RC Claim Groups a total of six full days between August 10 and September 1, 1996 during which geological investigations of these claims were made. In addition I supervised field crews both on site and from my office during the period between August 16 and September 4, 1996.

2. I graduated from the University of British Columbia in 1981 with a Bachelor of Science degree in Geological Sciences and spent a further year at the post-graduate level at the University of B.C. I graduated from Washington State University in December 1996 with a Master of Science Degree in Economic Geology. I am currently enrolled as a Ph.D. candidate at Washington State University, where I am specialising in economic geology.

3. I am a fellow in good standing of the Geological Association of Canada (F4594).

4. I am a Professional Geoscientist registered with The Association of Professional Engineers and Geoscientists of the Province of British Columbia (#19529).

Dated at Pullman, State of Washington, this 15th day of June, 1997.

Douglas H. Wood, M.S., P.Geo.
Consulting Geologist

APPENDIX B - STATEMENT OF COSTS

Item				Cost
Assays				
	Pioneer Labs.	Inv. # 9511885	Soils	$ 3,645.60
	Pioneer Labs.	Inv. # 9621886	Rocks	2,120.04
Accommodations				
	D.Wood	Lillooet, BC		90.31
	D.Wood	Merritt, BC		57.50
Transportation				
Vehicle rental	Nissan Path.	D.Wood	Aug. 7 to Aug. 20	915.83
	Datsun 4x4 PU	D.Wood	Aug. 30 to Sept. 1	250.00
	Dodge 4x4 PU	M.McDonald	Aug. 11 to Sept. 4	2,682.50
Gas & Repairs	All Vehicles		Aug. 7 to Sept. 4	769.73
Air Fare	Horizon Air	D.Wood		581.94
Camp and Equipment				655.27
Food				672.83
Personnel				
Durfield Geological	S. Lehman	13 days	Aug. 16 to Aug. 28	3,087.67
(inv. #1255)	V. Sault	13 days	Aug. 16 to Aug. 28	3,087.67
Navarre Resources	M.McDonald	Field Work - 21 days	Aug. 15 to Sept. 4	3,150.00
Consulting Fees				
	D.H. Wood	Mobilization		350.00
		Field Work - 7 days	Aug. 7 to Sept. 1	2,187.50
		Supervision	Aug. 15 to Sept. 4	1,400.00
Report Preparation				2,000.00
Total				$27,704.39

Respectfully submitted

Douglas H. Wood, M.S., P.Geo.

Consulting Geologist

APPENDIX C - LABORATORY RESULTS

PIONEER LABORATORIES INC. 5-730 EATON WAY NEW WESTMINSTER, BC CANADA V3M 6J9 TELEPHONE (604)522-3830

GEOCHEMICAL ANALYSIS CERTIFICATE

NAVARRE RESOURCE CORPORATION
Project: Gold Cougar
Sample Type: Rocks

Multi-element ICP Analysis - .500 gram sample is digested with 3 ml of aqua regia, diluted to 10 ml with Water. This leach is partial for Mn, Fe, Ca, P, La, Cr, Mg, Ba, Ti, B, W and limited for Na, K and Al. Detection Limit for Au is 3 ppm.
*Au Analysis- 10 gram sample is digested with aqua regia, MIBK extracted, graphite furnace AA finished to 1 ppb detection.

Analyst RSam
Report No. 9621886
Date: September 10, 1996

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
MM96-1	2	38	10	79	.3	43	16	1060	4.38	155	5	ND	2	19	.2	27	2	71	.13	.052	6	93	.05	46	.01	3	.87	.01	.06	2	8
MM96-2	3	16	46	100	.3	17	11	576	1.99	681	5	ND	2	85	.2	4765	2	27	.08	.015	2	84	.01	76	.01	3	.65	.01	.05	2	4
MM96-3	1	10	13	101	.3	15	13	1405	3.56	160	5	ND	2	27	.2	240	2	42	2.89	.069	13	47	.05	109	.01	5	.73	.01	.18	2	10
MM96-4	2	26	7	69	.3	12	9	1489	2.39	23	5	ND	2	28	.2	30	2	23	.83	.061	18	60	.52	145	.01	3	1.09	.03	.16	2	7
MM96-5	2	44	7	94	.3	22	15	1246	4.38	732	5	ND	2	77	.2	454	2	65	1.31	.047	5	51	.05	143	.01	3	.62	.01	.12	2	4
MM96-6	1	51	17	118	.8	68	17	721	3.96	1603	5	ND	2	84	.2	186	2	60	3.19	.065	7	45	.24	136	.01	3	.87	.01	.17	2	3
MM96-7	1	19	36	81	.3	6	7	1257	2.59	320	5	ND	2	18	.2	6	2	23	.37	.057	15	16	.07	157	.01	3	.68	.04	.27	2	6
MM96-8	2	36	167	342	1.1	6	7	2049	3.00	83	5	ND	2	19	2.0	5	2	13	.20	.054	14	53	.03	99	.01	3	.48	.01	.21	2	36
MM96-9	1	71	26	120	.7	104	23	1033	5.34	221	5	ND	2	39	.2	3	2	128	.77	.075	9	134	1.84	93	.01	3	2.44	.06	.07	2	8
MM96-10	2	37	3	117	.3	64	14	968	4.03	82	5	ND	2	43	.3	3	2	80	2.19	.057	11	118	1.82	37	.01	3	2.39	.04	.10	2	5
MM96-11	1	21	4	100	.3	103	28	1409	6.59	145	5	ND	2	25	.2	2	2	106	.59	.064	10	205	2.96	60	.01	3	3.51	.03	.04	2	4
MM96-12	1	19	9	103	.3	56	25	1362	6.21	51	5	ND	2	108	.2	3	2	90	2.62	.066	9	91	.55	78	.01	3	1.01	.02	.05	2	5
MM96-13	2	19	7	509	.3	44	20	594	6.91	526	5	ND	2	29	1.2	35	2	72	.11	.052	9	73	.04	34	.01	3	.93	.01	.08	2	9
MM96-14	105	48	11	265	.3	26	20	611	12.81	2991	5	ND	2	41	1.1	73	2	72	.14	.064	10	58	.05	28	.01	3	.79	.01	.12	2	310
MM96-15	2	97	6	252	.3	30	23	1919	6.93	1070	5	ND	2	20	1.2	20	2	103	.29	.078	12	67	.06	111	.01	3	.81	.01	.15	2	12
MM96-16	1	22	3	103	.3	36	22	1212	4.64	1744	5	ND	2	34	.2	18	2	47	6.99	.074	12	41	.11	22	.01	3	.67	.01	.21	2	9
MM96-17	2	3	5	50	.3	7	12	828	3.32	17	5	ND	2	28	.2	2	2	26	.64	.075	11	51	.34	149	.01	3	1.10	.05	.23	2	5
MM96-18	1	30	10	89	.3	45	18	860	5.07	8	5	ND	2	16	.2	2	2	110	.35	.066	6	102	.49	47	.06	3	1.25	.04	.05	2	2
MM96-19	1	28	8	82	.3	49	11	744	3.92	6	5	ND	2	46	.2	4	2	85	1.60	.133	6	103	1.97	23	.21	3	2.12	.04	.19	2	3
MM96-20	2	48	10	106	.3	49	19	913	5.25	94	5	ND	2	36	.2	2	2	67	.60	.062	8	61	.06	62	.01	3	.78	.01	.10	2	10
MM96-21	1	176	5	87	.5	17	16	951	6.98	49	5	ND	2	58	.2	5	2	127	1.13	.067	4	50	2.04	55	.10	3	3.45	.13	.20	2	9
MM96-22	1	96	3	130	.4	13	15	1142	5.25	13	5	ND	2	74	.2	2	2	135	1.46	.079	6	49	1.89	67	.14	3	2.78	.11	.17	2	1
MM96-23	1	175	6	122	.4	19	15	850	6.07	9	5	ND	2	77	.2	2	2	139	1.09	.074	5	61	1.97	52	.14	3	3.14	.20	.28	2	7
MM96-24	5	100	15	32	.3	7	4	265	2.54	18	5	ND	2	76	.2	8	2	54	.56	.071	6	53	.46	48	.10	3	1.36	.16	.20	6	245
MM96-25	3	121	4	25	.3	10	4	280	3.00	2	5	ND	2	95	.2	2	2	65	.79	.069	9	77	.62	51	.21	3	1.85	.28	.38	2	2
MM96-26	2	106	4	26	.3	21	8	313	2.57	7	5	ND	2	117	.2	2	2	63	.89	.067	8	54	.63	67	.14	3	2.18	.22	.25	2	1
MM96-27	2	785	17	185	4.0	17	5	853	1.34	3	5	ND	5	96	1.9	3	2	14	2.90	.083	11	81	.15	123	.10	3	1.20	.07	.14	2	20
MM96-28	2	18	6	75	.3	15	10	669	3.46	5	5	ND	2	29	.2	2	2	73	.44	.098	11	38	.95	101	.12	3	1.67	.09	.26	2	1
MM96-29	3	32	12	80	.3	23	19	1138	5.88	12	5	ND	2	24	.2	2	2	103	.45	.081	12	60	1.35	69	.01	3	2.21	.04	.11	2	6
MM96-30	1	6	3	66	.3	9	10	516	2.17	2	5	ND	2	94	.2	2	2	29	.66	.075	8	38	1.11	40	.02	3	1.65	.07	.12	2	1

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
MM96-31	1	35	13	82	.3	28	16	985	4.10	19	5	ND	2	14	.2	2	2	86	.16	.065	6	65	.06	61	.01	3	.87	.01	.09	2	2
MM96-32	1	59	8	95	.3	52	21	875	4.97	6	5	ND	2	58	.2	2	2	115	1.14	.076	7	87	2.17	43	.27	3	2.92	.04	.14	2	14
MM96-33	1	44	9	84	.4	43	18	1305	4.57	48	5	ND	2	59	.2	2	2	100	6.85	.074	8	46	.41	46	.01	3	1.57	.01	.07	2	1
MM96-34	1	52	9	91	.3	40	15	665	3.99	6	5	ND	2	55	.2	2	2	107	1.02	.087	5	63	1.95	32	.25	3	2.68	.05	.07	2	1
MM96-35	1	50	12	89	.3	41	16	688	4.11	4	5	ND	2	62	.2	2	2	110	1.22	.074	7	71	2.20	30	.21	3	2.84	.04	.08	2	3
MM96-36	1	54	9	98	.3	97	21	947	5.08	12	5	ND	2	40	.2	2	2	129	1.41	.084	6	118	2.71	29	.23	3	3.16	.02	.07	2	4
MM96-37	1	42	10	88	.3	70	16	835	4.10	6	5	ND	2	132	.2	2	2	104	1.64	.080	6	89	2.16	46	.22	3	3.92	.04	.10	2	11
MM96-38	1	57	4	87	.3	96	21	1240	4.69	10	5	ND	2	55	.3	2	2	117	2.62	.100	6	129	2.53	30	.23	3	2.94	.03	.12	2	3
MM96-39	1	10	3	30	.4	19	10	640	3.40	35	5	ND	2	284	.2	3	2	69	9.41	.030	5	38	3.74	17	.01	3	.63	.01	.04	2	1
MM96-40	2	26	10	47	.3	7	9	481	3.14	3	5	ND	3	48	.2	2	2	102	.90	.059	9	49	.78	49	.24	4	1.50	.10	.11	2	1
MM96-41	2	31	7	68	.3	20	15	678	3.41	6	5	ND	2	58	.2	2	2	86	.29	.059	8	48	.08	49	.01	4	.93	.01	.11	2	2
MM96-42	1	60	8	100	.3	69	20	832	5.09	8	5	ND	2	59	.2	2	2	130	.98	.091	8	74	2.30	49	.27	3	3.27	.05	.12	2	1
MM96-43	1	5	7	38	.3	5	5	939	1.78	2	5	ND	2	79	.2	2	2	21	2.23	.058	22	11	.05	143	.01	3	.58	.03	.18	2	1
MM96-44	4	19	15	69	.3	19	11	976	3.94	28	5	ND	2	226	.2	5	2	53	5.42	.039	7	38	1.34	56	.01	3	.76	.01	.04	2	31
MM96-45	1	19	10	57	.7	23	15	1633	5.25	8	5	ND	2	73	.2	7	2	99	15.55	.052	17	46	.90	305	.01	3	1.24	.01	.04	2	13
MM96-46	2	22	6	84	.3	29	14	1196	4.95	15	5	ND	2	73	.2	3	2	67	6.78	.039	13	41	.90	83	.01	3	.76	.01	.07	2	5
MM96-47	2	23	9	77	.3	32	15	922	4.43	12	5	ND	2	24	.2	2	2	73	6.08	.057	9	37	.11	75	.01	3	.96	.01	.07	2	1
MM96-48	3	117	19	250	.3	57	17	1062	5.84	2	5	ND	2	26	1.3	2	4	129	.26	.096	9	100	2.44	49	.01	3	2.83	.05	.07	2	32
MM96-49	2	48	11	140	.3	63	23	1228	8.20	42	5	ND	2	25	.6	2	2	127	.07	.075	9	74	.11	52	.01	3	1.27	.01	.04	2	18
MM96-50	1	71	17	161	.3	109	25	1004	4.10	143	5	ND	2	56	.7	2	2	100	.20	.077	8	73	.04	62	.01	3	1.06	.01	.15	2	4
MM96-51	3	45	11	106	.3	46	16	630	4.08	77	5	ND	2	74	.2	2	2	72	.36	.070	5	47	.06	55	.01	3	.82	.01	.10	2	2
MM96-52	1	51	11	129	.3	55	24	828	5.46	47	5	ND	2	89	.2	2	2	131	.13	.060	6	54	.04	49	.01	3	1.19	.01	.04	2	2
MM96-53	2	24	9	77	.3	17	14	862	4.48	17	5	ND	2	32	.2	2	2	90	.08	.037	6	68	.04	50	.01	3	.97	.01	.02	2	1
MM96-54	2	38	9	103	.3	79	25	1685	5.70	37	5	ND	2	52	.2	2	2	110	3.73	.072	11	56	.31	215	.01	3	.99	.01	.04	2	1
MM96-55	1	30	9	70	.3	18	15	895	4.26	12	5	ND	2	25	.2	2	2	82	.44	.097	14	30	.08	30	.01	3	1.22	.01	.06	2	6
MM96-56	1	60	14	116	.3	61	22	1448	4.85	36	5	ND	2	97	.2	2	2	90	2.84	.092	13	49	.59	142	.01	3	1.16	.01	.05	2	12
MM96-57	1	40	12	123	.3	35	13	509	3.48	13	5	ND	2	21	.7	2	2	87	.82	.066	12	60	.06	36	.01	3	1.10	.01	.06	2	1
MM96-58	1	38	16	98	.3	31	17	554	4.34	27	5	ND	2	20	.2	2	2	54	.75	.055	7	29	.11	34	.01	3	1.08	.01	.11	2	2
MM96-59	1	16	3	36	.3	20	10	1027	6.00	124	5	ND	2	82	.2	4	2	69	6.65	.050	14	38	.69	67	.01	3	.85	.01	.04	2	1
MM96-60	1	202	6	41	.3	11	18	338	3.83	21	5	ND	2	42	.2	2	2	75	.50	.060	3	48	1.23	33	.08	4	1.88	.10	.08	2	8
MM96-61	5	166	3	52	.3	35	18	767	5.17	56	5	ND	2	53	.2	9	2	108	1.68	.087	10	69	.52	44	.01	3	.62	.05	.09	2	8
MM96-62	3	164	6	35	.3	22	10	505	3.43	39	5	ND	2	145	.2	10	2	75	8.85	.040	5	69	.67	24	.01	3	.56	.01	.03	2	2
MM96-63	5	160	5	49	.4	32	17	1407	5.58	989	5	ND	2	76	.2	59	2	79	4.54	.061	11	92	.34	150	.01	3	.88	.01	.07	2	3
MM96-64	2	10	10	59	.3	6	8	913	2.86	81	5	ND	2	79	.2	8	2	38	2.07	.037	5	22	.64	30	.01	4	1.03	.01	.05	2	1
MM96-65	1	47	9	70	.3	111	20	763	4.34	158	5	ND	2	166	.2	8	2	69	5.76	.042	4	75	1.37	88	.01	3	.88	.01	.07	2	1

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
MM96-66	2	43	4	26	.3	25	11	360	2.70	5	5	ND	2	79	.2	10	2	74	1.04	.079	7	83	1.25	48	.12	3	1.67	.13	.06	2	1
MM96-67	1	129	8	36	.3	12	22	374	4.87	26	5	ND	2	36	.2	11	2	115	.39	.079	9	51	1.77	52	.07	3	2.80	.06	.10	2	9
MM96-68	6	211	5	50	.3	47	14	279	14.00	1682	5	ND	2	29	.7	18	2	124	.06	.089	4	107	.05	26	.01	3	.92	.01	.05	2	36
MM96-69	1	81	7	79	.3	31	13	1245	5.89	189	5	ND	2	20	.2	2	2	130	.11	.064	9	100	.06	52	.01	3	1.07	.01	.04	2	7
MM96-70	1	52	12	90	.3	61	17	613	3.13	137	5	ND	2	42	.2	17	2	63	2.46	.052	4	55	.08	40	.01	3	.86	.01	.08	2	16
MM96-71	1	31	16	68	.3	22	14	864	3.98	191	5	ND	2	17	.2	26	2	37	.16	.056	9	34	.13	127	.01	3	.67	.02	.15	2	17
MM96-72	1	143	9	27	.3	74	18	555	5.43	27	5	ND	2	35	.2	20	2	101	.77	.052	7	200	1.74	74	.08	3	2.33	.09	.10	2	250
MM96-73	1	45	17	98	.3	27	20	964	5.14	55	5	ND	2	40	.2	12	2	96	.04	.052	3	50	.05	45	.01	3	.99	.01	.04	2	1
MM96-74 (A)	1	121	10	18	.3	10	12	321	3.52	34	5	ND	3	73	.2	2032	2	72	.70	.071	13	73	.97	31	.11	3	1.68	.20	.09	2	75
MM96-74 (B)	2	174	9	26	.3	61	13	266	3.58	114	5	ND	2	65	.2	2577	2	85	1.11	.051	7	188	1.70	34	.20	3	2.59	.21	.17	2	6
MM96-75	4	565	11	27	1.4	69	41	449	10.24	310	5	ND	2	65	.2	53	2	116	1.16	.487	12	75	1.67	102	.03	3	3.37	.09	.41	2	230
MM96-76	1	156	13	38	.4	69	22	630	7.16	520	5	ND	2	87	.2	140	2	128	.84	.081	6	102	2.09	209	.10	3	3.98	.21	.51	2	250
MM96-77	1	20	6	27	.3	17	9	932	3.84	2273	5	ND	2	95	.2	43	2	25	6.93	.038	6	29	1.02	69	.01	4	.50	.01	.06	2	31
MM96-78	2	179	9	25	.3	6	11	645	4.99	789	5	ND	2	34	.2	111	2	46	.55	.067	16	30	.19	86	.01	3	.92	.04	.17	2	71
MM96-79	2	187	14	37	.3	7	13	601	4.87	999	5	ND	2	15	.2	85	2	47	.20	.075	17	21	.12	63	.01	3	.79	.01	.11	2	70
MM96-80	8	297	14	70	.3	56	23	490	5.96	859	5	ND	2	43	.2	117	2	63	.16	.069	11	43	.06	45	.01	3	.68	.01	.20	2	410
MM96-81	1	22	9	70	.3	12	15	942	4.81	113	5	ND	2	67	.2	101	2	92	3.91	.090	7	45	.76	27	.01	3	1.26	.04	.09	2	30
MM96-82	2	13	10	108	.3	33	23	303	2.96	315	5	ND	2	18	.2	2017	2	84	.19	.068	6	69	.04	22	.01	3	.85	.01	.10	2	4
MM96-83	1	32	3	136	.3	1	6	251	1.09	169	5	ND	2	40	.7	27080	2	8	.63	.005	1	44	.06	10	.01	6	.36	.01	.15	2	25
MM96-84	1	95	16	112	.3	67	22	1241	4.94	788	5	ND	2	22	.2	591	2	104	.16	.078	9	43	.04	89	.01	3	1.22	.01	.05	2	69
MM96-85	1	38	4	51	.3	8	8	913	2.88	12	5	ND	2	208	.2	23061	2	18	1.49	.007	2	74	.05	146	.01	4	.50	.02	.11	2	3
MM96-86	1	20	3	167	.3	1	5	149	.80	190	5	ND	2	27	.2	28278	2	13	.21	.004	1	84	.05	8	.01	3	.35	.01	.05	2	14
MM96-87	1	26	7	95	.3	47	20	645	5.15	39	5	ND	2	30	.2	28	2	73	2.70	.076	12	60	.11	73	.01	3	.98	.03	.11	2	8
MM96-88	1	26	8	221	.3	63	22	1452	5.55	87	5	ND	2	156	.8	53	2	77	4.61	.062	7	72	1.08	42	.01	3	.93	.01	.04	2	8
MM96-89	3	20	8	67	.3	51	20	1618	4.73	498	5	ND	2	15	.2	218	2	58	.26	.037	7	156	.06	1071	.01	3	.69	.01	.15	2	9
MM96-90	4	603	9	38	2.1	48	14	352	7.64	24	5	ND	2	32	.2	53	2	130	.31	.101	6	178	1.60	72	.11	3	2.23	.09	.20	2	29
MM96-91	22	360	3	71	.3	102	25	1258	5.25	33	5	ND	2	15	.2	32	2	116	.27	.112	15	76	.13	135	.01	3	1.39	.02	.09	2	5
MM96-92	10	346	4	28	.3	46	28	755	3.89	51	5	ND	2	12	.2	9	2	84	.21	.089	7	44	.06	51	.01	3	1.28	.01	.06	2	3
MM96-93	9	324	4	12	.3	26	9	227	3.21	7	5	ND	2	72	.2	29	2	80	.63	.070	9	78	.52	137	.20	3	1.44	.17	.14	2	210
MM96-94	1	29	6	29	.3	19	11	406	3.56	13	5	ND	2	90	.2	39	2	80	1.06	.067	4	139	1.39	418	.25	3	3.21	.40	1.13	2	1
MM96-95	6	208	3	39	.3	83	19	668	5.02	165	5	ND	2	45	.2	11	2	83	4.70	.093	14	35	.20	58	.01	3	.90	.01	.07	2	1
MM96-96	5	218	6	43	.3	49	21	419	4.10	101	5	ND	2	12	.2	7	2	104	.24	.101	7	57	.06	38	.01	3	1.15	.01	.07	2	25
MM96-97	1	65	4	53	.5	72	18	545	4.80	10	5	ND	2	131	.2	24	2	150	1.18	.091	5	118	2.33	522	.14	3	4.30	.41	1.03	2	1
MM96-98	1	15	7	34	.3	21	10	535	3.10	9	5	ND	2	101	.2	43	2	83	1.18	.067	6	114	1.58	163	.25	3	2.71	.25	.41	2	1
MM96-99	1	66	5	39	.3	50	9	601	3.50	5	5	ND	2	112	.2	22	2	92	1.37	.101	6	69	1.20	68	.23	3	2.44	.30	.13	2	1

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
MM96-100	3	258	10	33	.3	11	7	519	4.87	7	5	ND	2	37	.2	49	2	104	.53	.062	4	123	.97	18	.24	3	2.11	.13	.11	2	1
MM96-101	2	65	4	69	.3	91	19	514	4.32	64	5	ND	2	109	.2	20	2	122	1.26	.104	6	116	2.23	256	.21	3	3.63	.33	.59	2	1
MM96-102	1	72	3	33	.3	72	13	455	2.59	16	5	ND	2	136	.2	9	2	65	1.66	.120	5	90	.94	127	.14	3	2.60	.46	.24	2	8
MM96-103	1	62	7	78	.5	126	21	583	5.05	10	5	ND	2	125	.2	18	2	134	1.14	.115	6	200	2.55	520	.11	3	4.09	.44	.93	2	7
MM96-104	1	138	5	44	.3	89	21	766	4.56	72	5	ND	2	104	.2	12	2	85	5.29	.073	8	89	1.09	194	.05	3	1.91	.13	.28	2	1
MM96-105	1	38	3	47	.3	78	17	1043	5.15	80	5	ND	2	71	.2	14	2	87	4.71	.085	13	63	.99	184	.02	3	1.60	.09	.31	2	1
MM96-106	1	55	4	107	.5	144	26	1169	5.18	39	5	ND	2	53	.3	12	2	122	1.54	.106	12	164	3.02	31	.02	3	3.52	.06	.10	2	5
MM96-107 (A)	1	44	3	73	.3	53	20	1806	3.78	90	5	ND	2	85	.2	6	2	81	8.28	.088	13	46	.88	45	.01	3	1.57	.05	.07	2	1
MM96-107 (B)	1	59	3	116	.3	107	28	1036	5.35	13	5	ND	2	48	.2	2	2	134	.56	.087	7	131	3.02	48	.05	3	3.86	.06	.11	2	1
MM96-108 (A)	1	40	3	63	.3	383	31	522	3.70	18	5	ND	2	36	.2	4	2	85	5.46	.046	3	434	2.77	27	.13	6	5.02	.02	.03	2	1
MM96-108 (B)	1	14	3	17	.9	8	4	1942	7.68	85	5	ND	2	325	.2	18	2	18	19.68	.009	7	43	8.01	585	.01	3	.52	.02	.03	2	6
MM96-109	3	114	3	32	.3	12	11	362	3.65	18	5	ND	2	78	.2	66	2	70	1.17	.064	7	51	.94	35	.10	3	2.33	.23	.09	39	4
MM96-110	14	1067	3	38	.8	23	28	520	5.99	21	5	ND	2	36	.2	10	2	118	.61	.066	8	60	1.74	80	.12	3	2.21	.08	.13	2	15
MM96-111	1	64	6	99	.3	89	18	714	4.49	7	5	ND	2	61	.2	2	2	120	1.36	.123	6	98	3.00	46	.27	3	3.32	.07	.07	2	2
MM96-112	2	50	3	103	.3	102	19	940	4.57	35	5	ND	2	168	.2	3	2	96	2.22	.113	14	101	2.73	55	.01	3	2.16	.07	.12	2	4
MM96-113	1	58	3	28	.3	5	7	880	3.10	179	5	ND	2	158	.2	15	2	33	4.27	.059	16	31	.96	34	.01	3	.62	.04	.07	2	3
MM96-114	1	25	3	50	.3	6	6	824	2.68	86	5	ND	3	22	.2	3	2	49	4.16	.066	12	22	.11	60	.01	3	.81	.01	.08	2	1
MM96-115	1	38	3	65	.3	167	19	2108	3.92	183	5	ND	2	141	.2	22	2	54	15.13	.121	12	107	1.02	54	.01	5	1.65	.03	.13	2	3
MOORE LAKE	2	26	3	48	.3	6	4	287	1.80	2	5	ND	4	75	.2	5	2	33	.37	.029	5	31	.39	87	.05	3	.94	.14	.22	2	18

PIONEER LABORATORIES INC. 5-730 EATON WAY NEW WESTMINSTER, BC CANADA V3M 6J9 TELEPHONE (604)522-3830

GEOCHEMICAL ANALYSIS CERTIFICATE

NAVARRE RESOURCE CORPORATION
Project: Gold Cougar
Sample Type: Soils

Multi-element ICP Analysis - .500 gram sample is digested with 3 ml of aqua regia, diluted to 10 ml with Water. This leach is partial for Mn, Fe, Ca, P, La, Cr, Mg, Ba, Ti, B, W and limited for Na, K and Al. Detection Limit for Au is 3 ppm.
*Au Analysis- 10 gram sample is digested with aqua regia, MIBK extracted, graphite furnace AA finished to 1 ppb detection.

Analyst RSum
Report No. 9611885
Date: September 9, 1996

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
L9+50N 10+00E	1	28	3	73	.3	52	12	318	3.34	8	5	ND	3	60	.2	2	2	81	.53	.055	6	63	1.01	142	.16	3	2.98	.02	.04	2	2
L9+50N 10+50E	1	7	4	55	.3	10	5	468	1.36	3	5	ND	2	19	.2	2	2	37	.16	.089	3	12	.13	75	.08	3	.84	.04	.04	2	1
L9+50N 11+00E	2	94	4	71	.3	49	13	314	3.53	34	5	ND	2	38	.2	2	2	78	.30	.041	5	55	.69	155	.10	3	2.45	.02	.09	2	1
L9+50N 11+50E	2	24	6	126	.3	59	14	986	2.69	11	5	ND	2	37	.2	2	2	56	.43	.170	8	63	.57	348	.11	4	2.65	.03	.15	2	1
L9+50N 12+00E	2	29	3	65	.3	44	10	533	3.37	99	5	ND	2	35	.2	9	2	76	.38	.056	5	54	.88	199	.10	3	2.68	.03	.32	2	1
L9+50N 12+50E	1	24	6	98	.3	66	13	378	2.96	5	5	ND	2	36	.2	3	2	60	.31	.148	7	69	.82	159	.11	3	2.75	.03	.12	2	1
L9+50N 13+00E	1	20	7	71	.3	49	10	443	2.53	9	5	ND	2	52	.2	2	2	62	.37	.057	5	49	.94	103	.11	3	1.71	.02	.06	2	1
L10+00N 10+00E	2	231	6	66	.3	44	15	345	3.97	27	5	ND	2	84	.2	2	2	94	.38	.052	7	63	.76	202	.08	3	2.63	.02	.05	2	1
L10+00N 10+50E	1	73	4	74	.3	44	13	446	2.89	15	5	ND	2	41	.2	2	2	67	.37	.069	6	51	.81	176	.14	3	2.58	.02	.13	2	1
L10+00N 11+00E	1	17	4	75	.3	48	12	407	2.61	2	5	ND	2	34	.2	2	2	58	.31	.096	5	48	.72	133	.13	3	2.43	.02	.06	2	1
L10+00N 11+50E	1	13	7	88	.3	43	12	448	2.33	2	5	ND	2	29	.2	2	2	50	.28	.140	5	41	.52	133	.10	3	2.12	.03	.07	2	1
L10+00N 12+00E	1	24	4	82	.3	67	14	327	2.80	4	5	ND	2	33	.2	2	2	64	.28	.108	5	60	.86	133	.11	3	2.74	.02	.06	2	1
L10+00N 12+50E	1	21	11	115	.3	66	15	510	2.80	2	5	ND	2	32	.2	2	2	63	.31	.148	7	59	.66	149	.12	3	2.90	.03	.08	2	1
L10+00N 13+00E	1	28	8	103	.3	70	14	555	3.04	17	5	ND	2	40	.2	2	2	70	.31	.108	7	74	1.07	125	.11	3	2.46	.02	.07	2	8
L10+00N 13+50E	1	18	4	121	.3	77	15	623	3.03	3	5	ND	2	34	.2	2	2	68	.33	.134	6	59	.85	141	.12	3	2.64	.02	.07	2	2
L10+00N 14+00E	1	18	5	95	.3	64	13	346	2.90	3	5	ND	2	38	.2	2	2	67	.30	.120	6	54	.82	112	.11	3	2.62	.02	.07	2	1
L10+00N 14+50E	1	25	8	281	.3	58	13	672	2.70	8	5	ND	2	44	.8	2	2	63	.36	.125	5	49	.76	141	.09	3	2.33	.02	.05	2	1
L10+00N 15+00E	2	12	9	52	.3	30	8	251	2.23	2	5	ND	2	28	.2	2	2	52	.26	.095	4	32	.52	118	.08	3	2.14	.02	.05	2	1
L10+00N 15+50E	1	17	11	61	.3	39	12	604	2.59	3	5	ND	2	38	.2	2	2	63	.25	.077	4	48	.53	447	.09	3	2.49	.02	.05	2	1
L10+00N 16+00E	1	15	8	59	.3	35	10	368	2.25	3	5	ND	2	40	.2	2	2	57	.23	.085	5	32	.48	115	.10	3	2.02	.03	.04	2	7
L10+50N 10+00E	2	115	7	110	.3	51	17	386	3.51	30	5	ND	2	41	.2	2	2	76	.30	.150	7	46	.54	145	.08	3	2.47	.02	.08	2	1
L10+50N 10+50E	2	32	6	92	.3	47	17	1207	3.02	8	5	ND	2	43	.2	2	2	70	.34	.099	7	46	.62	156	.13	3	2.54	.03	.09	2	1
L10+50N 11+00E	1	67	7	67	.3	59	15	579	3.31	26	5	ND	2	78	.2	2	2	80	.35	.089	5	61	1.08	160	.19	3	3.10	.02	.24	2	1
L10+50N 11+50E	1	28	3	62	.3	66	12	349	3.21	6	5	ND	2	30	.2	2	2	70	.39	.069	5	58	1.37	88	.17	3	2.34	.01	.05	2	1
L10+50N 12+00E	1	18	7	91	.3	45	12	517	2.76	2	5	ND	2	30	.2	2	2	64	.28	.124	6	47	.69	117	.12	3	2.56	.02	.06	2	5
L10+50N 12+50E	1	15	7	122	.3	59	16	549	3.00	5	5	ND	2	33	.2	2	2	63	.38	.211	6	56	.64	159	.12	3	2.91	.02	.09	2	1
L10+50N 13+00E	2	20	6	67	.3	60	12	360	2.70	10	5	ND	2	31	.2	2	2	63	.27	.072	5	56	.82	112	.11	3	2.27	.02	.05	2	2
L10+50N 13+50E	1	17	10	118	.3	70	16	350	3.29	4	5	ND	2	30	.2	2	2	72	.30	.196	6	59	.78	139	.11	3	3.10	.02	.07	2	1
L10+50N 14+00E	2	24	7	95	.3	81	16	396	3.46	63	5	ND	2	44	.2	2	2	83	.37	.031	5	69	1.25	153	.13	3	2.88	.02	.05	2	260
L10+50N 14+50E	2	26	5	76	.3	64	14	395	3.36	3	5	ND	2	60	.2	2	2	78	.32	.053	6	58	1.20	165	.11	3	2.71	.02	.05	2	9

ELEMENT SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
L10+50N 15+00E	1	19	6	79	.3	53	13	295	3.17	2	5	ND	2	39	.2	2	2	74	.28	.077	5	50	.81	174	.09	3	2.84	.02	.05	2	1
L10+50N 15+50E	1	26	3	74	.3	52	11	513	3.30	2	5	ND	2	31	.2	2	2	73	.43	.042	5	56	1.50	106	.19	3	2.65	.02	.05	2	1
L10+50N 16+00E	1	22	6	75	.3	48	13	468	3.27	3	5	ND	2	54	.2	2	2	82	.33	.057	4	48	.81	120	.11	3	2.55	.02	.05	2	1
L11+00N 10+00E	1	61	5	63	.3	50	11	491	2.46	4	5	ND	2	51	.2	2	2	64	.34	.094	5	66	.85	196	.18	3	1.95	.03	.19	2	1
L11+00N 10+50E	1	28	4	89	.3	63	16	318	3.35	10	5	ND	2	59	.2	2	2	70	.44	.107	5	46	.89	176	.12	3	2.51	.02	.08	2	2
L11+00N 11+00E	1	62	4	65	.3	74	17	409	3.99	25	5	ND	2	83	.2	2	2	93	.45	.075	6	72	1.49	138	.13	3	3.14	.03	.26	2	5
L11+00N 11+50E	2	20	7	106	.3	43	16	634	2.75	11	5	ND	2	38	.2	2	2	62	.30	.124	6	38	.54	136	.11	3	2.20	.03	.07	2	1
L11+00N 12+00E	1	125	9	128	.3	65	23	399	4.45	87	5	ND	2	70	.2	2	2	100	.32	.056	6	57	.91	123	.11	3	3.66	.02	.09	2	2
L11+00N 12+50E	1	28	4	82	.3	43	14	557	3.40	56	5	ND	2	51	.2	2	2	84	.37	.090	6	45	1.02	128	.11	3	3.26	.02	.11	2	1
L11+00N 13+00E	1	21	6	58	.3	50	11	310	2.63	15	5	ND	2	39	.2	2	2	65	.31	.059	5	51	.81	97	.12	3	2.08	.02	.05	2	19
L11+00N 13+50E	1	19	6	73	.3	54	13	536	2.82	10	5	ND	2	36	.2	2	2	67	.35	.081	5	48	.71	101	.12	3	2.30	.03	.05	2	1
L11+00N 14+00E	1	37	7	77	.3	98	15	388	3.61	57	5	ND	2	55	.2	2	2	87	.32	.064	5	79	1.63	119	.11	3	3.00	.03	.05	2	1
L11+00N 14+50E	1	24	5	104	.3	65	15	292	3.31	11	5	ND	2	38	.2	2	2	75	.29	.117	5	55	.79	123	.11	3	3.04	.03	.06	2	180
L11+00N 15+00E	1	14	6	93	.3	36	10	420	2.75	5	5	ND	2	27	.2	2	2	63	.24	.121	5	45	.51	126	.11	3	2.17	.02	.06	2	10
L11+00N 15+50E	1	20	9	80	.3	46	13	349	2.90	6	5	ND	2	35	.2	2	2	71	.25	.053	5	47	.81	97	.11	3	2.23	.02	.04	2	1
L11+00N 16+00E	2	30	8	89	.3	47	15	663	3.15	10	5	ND	2	72	.2	2	2	74	.63	.075	7	49	.89	172	.08	3	2.57	.02	.04	2	2
L11+50N 10+00E	2	44	4	52	.3	56	11	395	2.83	5	5	ND	2	82	.2	2	2	70	.47	.033	7	73	.94	197	.19	3	2.31	.05	.32	2	5
L11+50N 10+50E	1	21	3	32	.3	18	6	294	1.92	4	5	ND	2	28	.2	2	2	60	.22	.020	3	19	.21	104	.10	3	.75	.04	.10	2	3
L11+50N 11+00E	2	59	11	104	.3	104	22	1026	3.80	18	5	ND	2	184	.2	2	2	88	.86	.045	9	105	1.41	275	.20	3	3.65	.07	.34	2	42
L11+50N 11+50E	1	81	3	63	.3	103	18	462	4.55	62	5	ND	2	94	.2	2	2	95	.68	.054	11	101	1.50	146	.12	3	2.67	.11	.38	2	8
L11+50N 12+50E	1	46	3	74	.3	56	19	537	4.01	99	5	ND	2	174	.2	2	2	103	.62	.074	6	70	1.35	132	.18	3	3.78	.06	.20	2	2
L11+50N 13+00E	1	31	6	85	.3	66	16	379	3.41	172	5	ND	2	41	.2	9	2	81	.28	.084	6	67	.99	110	.11	3	2.99	.02	.06	2	3
L11+50N 13+50E	1	18	7	117	.3	47	15	707	2.93	17	5	ND	2	30	.2	2	2	66	.28	.150	6	48	.60	103	.11	3	2.41	.02	.07	2	3
L11+50N 14+00E	2	21	7	207	.3	60	16	312	3.84	15	5	ND	2	28	.2	2	2	83	.27	.226	6	58	.77	110	.12	3	3.41	.02	.06	2	2
L11+50N 14+50E	1	17	9	124	.3	37	13	398	2.94	17	5	ND	2	50	.3	2	2	74	.30	.125	6	61	.66	101	.11	3	2.06	.03	.05	2	2
L11+50N 15+00E	1	29	5	108	.3	69	16	423	3.32	17	5	ND	2	50	.2	2	2	74	.47	.039	6	64	1.04	94	.18	3	2.81	.03	.16	2	37
L11+50N 15+50E	2	11	5	78	.3	36	11	726	2.32	4	5	ND	2	34	.2	2	2	52	.40	.074	6	40	.55	106	.12	3	2.06	.03	.14	2	2
L11+50N 16+00E	2	24	4	93	.3	58	13	629	3.38	7	5	ND	2	46	.2	2	2	74	.55	.061	7	68	1.20	110	.19	3	3.16	.02	.09	2	2
L12+00N 10+00E	2	106	3	51	.3	62	13	281	3.80	9	5	ND	2	74	.2	2	2	93	.45	.041	7	83	1.28	155	.23	3	2.62	.05	.28	2	2
L12+00N 10+50E	4	215	6	69	.3	88	20	565	3.99	20	5	ND	2	86	.2	2	2	101	.55	.035	9	115	1.32	314	.21	3	2.92	.08	.33	2	7
L12+00N 11+00E	1	82	6	143	.3	119	27	888	4.35	32	5	ND	2	163	.2	2	2	98	1.17	.037	9	93	1.61	244	.18	3	4.35	.09	.29	2	2
L12+00N 11+50E	1	45	5	59	.3	81	14	654	3.40	39	5	ND	2	56	.2	2	2	74	.44	.036	10	82	.95	215	.11	3	2.25	.07	.30	2	5
L12+00N 12+00E	1	25	4	73	.3	56	13	805	2.70	22	5	ND	2	47	.2	2	2	61	.47	.041	9	54	.60	308	.10	3	1.85	.05	.22	2	2
L12+00N 12+50E	1	63	3	90	.3	242	27	878	4.57	51	5	ND	2	54	.2	2	2	94	.80	.041	12	224	2.92	284	.17	3	3.73	.08	.53	2	6
L12+00N 13+00E	2	108	3	88	.3	164	21	555	5.90	195	5	ND	2	64	.2	7	2	107	.63	.052	23	133	1.60	167	.08	3	2.68	.09	.42	2	16

ELEMENT SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
L12+00N 13+50E	1	16	5	81	.3	31	10	397	2.40	35	5	ND	2	35	.2	3	2	55	.35	.098	4	44	.49	112	.09	3	1.51	.03	.05	2	9
L12+00N 14+00E	1	52	4	153	.3	202	20	540	4.13	162	5	ND	2	34	.2	3	2	90	.31	.059	6	140	1.78	136	.08	3	3.33	.02	.08	2	3
L12+00N 14+50E	1	50	6	110	.3	95	20	955	3.31	93	5	ND	2	33	.2	6	2	89	.30	.045	5	97	1.29	161	.06	3	3.41	.03	.16	2	1
L12+00N 15+00E	1	7	7	22	.3	15	6	125	1.51	4	5	ND	2	47	.2	2	2	37	.48	.012	3	19	.22	55	.09	3	1.06	.05	.05	2	1
L12+00N 15+50E	1	21	6	65	.3	44	12	372	2.94	11	5	ND	2	43	.2	2	2	68	.46	.057	4	53	.87	98	.12	3	2.40	.02	.07	2	2
L12+00N 16+00E	1	18	4	57	.3	37	10	401	2.52	6	5	ND	2	35	.2	2	2	58	.36	.064	4	47	.77	95	.12	3	2.12	.02	.05	2	1
L12+50N 10+00E	1	161	3	108	.6	64	16	431	3.06	8	5	ND	2	27	.2	3	2	74	.27	.066	4	56	1.01	239	.20	6	2.66	.03	.15	2	2
L12+50N 10+50E	1	30	7	83	.5	69	11	290	3.04	19	5	ND	2	38	.2	3	2	68	.35	.060	7	67	.75	206	.17	7	2.38	.03	.14	2	3
L12+50N 11+00E	1	35	6	60	.7	66	12	372	3.73	31	5	ND	2	48	.2	6	2	85	.42	.037	8	75	.74	201	.19	9	2.23	.06	.17	2	1
L12+50N 11+50E	1	51	4	66	.7	107	17	577	4.08	58	5	ND	2	58	.2	7	2	93	.53	.041	10	109	1.27	217	.14	10	2.76	.07	.31	2	2
L12+50N 12+00E	1	55	5	68	.7	97	16	672	4.12	63	5	ND	2	51	.2	6	2	89	.52	.036	11	90	1.10	271	.12	10	2.72	.07	.36	2	6
L12+50N 12+50E	1	76	8	64	.4	132	21	621	5.19	96	5	ND	2	55	.2	6	2	93	.77	.032	12	90	.94	195	.06	3	2.27	.11	.37	2	1
L12+50N 13+00E	1	51	4	76	.3	113	17	533	4.86	111	5	ND	2	81	.2	7	2	94	.52	.046	11	93	1.08	246	.08	3	2.17	.06	.38	2	1
L12+50N 13+50E	1	26	6	73	.3	34	9	546	3.07	97	5	ND	2	31	.4	12	2	64	.33	.040	7	27	.30	156	.06	4	1.03	.03	.12	2	20
L12+50N 14+00E	1	89	3	87	.4	86	19	645	5.20	190	5	ND	2	51	.2	9	2	93	.87	.049	13	72	1.15	146	.07	3	2.17	.08	.34	2	32
L12+50N 14+50E	1	43	5	71	.3	59	17	466	4.05	55	5	ND	2	38	.3	4	2	84	.41	.061	7	59	1.03	119	.10	3	2.39	.04	.11	2	7
L12+50N 15+00E	2	100	8	157	.3	90	20	975	4.03	385	5	ND	2	30	.5	31	2	78	.38	.068	9	45	.41	66	.06	3	1.34	.02	.06	2	59
L12+50N 15+50E	1	43	11	211	.4	55	21	639	4.26	45	5	ND	2	34	.7	4	2	79	.37	.142	7	50	.80	114	.09	3	2.81	.03	.09	2	3
L12+50N 16+00E	1	17	6	48	.3	22	10	531	2.36	33	5	ND	2	60	.5	2	2	54	.61	.065	4	24	.27	85	.07	3	.99	.03	.05	2	8
L13+00N 10+00E	1	48	8	71	.3	28	10	760	2.30	2	5	ND	2	29	.4	2	2	58	.34	.108	4	31	.36	229	.11	3	1.38	.04	.12	2	1
L13+00N 10+50E	1	40	5	88	.3	65	13	441	3.29	12	5	ND	2	44	.3	2	2	69	.43	.053	5	60	.76	133	.13	3	2.15	.04	.17	2	1
L13+00N 11+00E	1	59	4	67	.3	91	16	432	4.14	41	5	ND	2	51	.2	2	2	90	.44	.068	10	83	1.14	195	.11	3	2.52	.05	.29	2	1
L13+00N 11+50E	1	29	6	69	.3	58	12	277	3.59	21	5	ND	2	39	.3	2	2	72	.34	.055	6	57	.74	169	.12	3	2.19	.04	.10	2	1
L13+00N 12+00E	1	15	4	66	.3	43	10	401	3.06	23	5	ND	2	33	.3	2	2	61	.39	.048	6	49	.53	209	.10	3	1.97	.04	.17	2	1
L13+00N 12+50E	1	48	7	63	.3	49	12	577	4.30	141	5	ND	2	38	.2	7	2	81	.56	.046	13	57	.54	166	.07	3	1.89	.04	.25	2	3
L13+00N 13+00E	2	46	8	99	.3	51	15	938	4.28	324	5	ND	2	42	.3	22	2	88	.50	.040	12	47	.49	252	.08	3	1.86	.04	.25	2	10
L13+00N 13+50E	1	23	6	74	.3	45	12	949	2.74	41	5	ND	2	40	.3	3	2	65	.45	.040	8	40	.55	227	.09	3	1.75	.06	.23	2	7
L13+00N 14+00E	1	44	4	71	.3	80	16	726	4.11	75	5	ND	2	43	.3	2	2	86	.48	.040	11	73	.83	211	.09	3	2.22	.07	.44	2	3
L13+00N 14+50E	1	109	5	79	.3	32	14	1000	5.30	404	5	ND	3	25	.2	27	2	74	1.38	.030	19	26	.29	82	.02	3	1.12	.01	.08	2	110
L13+00N 15+00E	1	497	12	102	.8	47	23	1086	7.23	554	5	ND	3	45	.2	35	4	94	1.10	.036	22	38	.66	133	.03	3	1.81	.03	.16	2	105
L13+50N 10+00E	1	23	4	66	.3	52	12	393	2.44	8	5	ND	2	25	.2	2	2	51	.27	.082	5	48	.51	253	.10	3	1.79	.04	.09	2	37
L13+50N 10+50E	1	8	5	58	.3	28	8	339	1.97	4	5	ND	2	21	.2	2	2	42	.22	.125	4	26	.25	127	.09	3	1.28	.03	.09	2	1
L13+50N 11+00E	1	13	7	87	.3	38	9	699	1.89	8	5	ND	2	29	.3	2	2	41	.34	.186	6	30	.33	207	.08	3	1.70	.04	.09	2	1
L13+50N 11+50E	1	8	5	52	.3	24	7	392	1.62	2	5	ND	2	23	.2	2	2	38	.24	.086	5	22	.26	106	.08	3	1.20	.04	.07	2	1
L13+50N 12+00E	1	15	5	65	.3	46	11	604	2.89	9	5	ND	2	32	.2	2	2	62	.39	.048	5	54	.64	192	.12	3	2.03	.03	.12	2	1

ELEMENT SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
L13+50N 12+50E	2	22	6	60	.3	51	12	801	3.20	39	5	ND	2	43	.2	3	2	70	.47	.033	7	58	.72	233	.11	3	2.08	.05	.31	2	1
L13+50N 13+00E	1	39	6	83	.3	80	16	712	4.24	75	5	ND	2	47	.2	2	2	90	.56	.038	12	74	.86	199	.09	3	2.31	.05	.39	2	64
L13+50N 13+50E	1	58	4	72	.3	81	15	550	3.92	58	5	ND	2	73	.2	2	2	83	.51	.046	9	83	.92	213	.10	3	2.46	.07	.37	2	24
L13+50N 14+00E	1	52	3	61	.3	93	18	777	4.35	57	5	ND	2	50	.2	2	2	94	.53	.037	11	91	1.11	222	.10	3	2.60	.06	.48	2	8
L13+50N 14+50E	1	72	3	72	.4	81	19	752	5.31	76	5	ND	2	43	.2	4	2	114	.50	.036	15	93	1.25	183	.08	3	2.89	.05	.53	2	5
L13+50N 15+00E	1	23	4	66	.3	55	12	597	3.20	41	5	ND	2	41	.2	3	2	71	.54	.030	7	65	.99	157	.12	3	2.43	.03	.10	2	160
L14+00N 10+00E	2	36	3	56	.3	44	12	343	2.52	2	5	ND	2	27	.2	2	2	56	.35	.072	4	46	.51	169	.13	3	1.89	.03	.10	2	6
L14+00N 10+50E	1	17	3	78	.3	48	11	636	2.41	2	5	ND	2	30	.2	2	2	48	.34	.071	5	50	.49	178	.11	3	1.96	.04	.14	2	1
L14+00N 11+00E	3	79	3	58	.3	61	12	340	3.41	27	5	ND	2	33	.2	2	2	70	.33	.049	6	63	.71	158	.08	3	1.90	.03	.15	2	1
L14+00N 11+50E	1	28	3	91	.3	65	13	451	2.88	19	5	ND	2	31	.2	2	2	59	.32	.140	6	60	.65	212	.09	3	2.48	.03	.12	2	1
L14+00N 12+00E	2	20	3	82	.3	68	13	650	2.84	13	5	ND	2	31	.2	2	2	61	.32	.072	4	62	.68	198	.10	3	2.23	.04	.11	2	1
L14+00N 12+50E	1	36	3	64	.3	84	15	287	3.60	19	5	ND	2	44	.2	2	2	79	.38	.053	6	95	1.01	211	.11	3	2.49	.04	.24	2	1
L14+00N 13+00E	2	30	3	58	.3	54	11	348	3.38	17	5	ND	2	49	.2	2	2	80	.54	.032	7	75	1.01	170	.19	3	2.45	.04	.19	2	1
L14+00N 13+50E	1	45	3	63	.3	66	15	534	3.55	45	5	ND	2	57	.2	2	2	85	.56	.030	10	79	1.03	172	.12	3	2.35	.06	.31	2	75
L14+00N 14+00E	1	56	3	50	.4	67	14	498	3.99	59	5	ND	2	45	.2	2	2	83	.51	.040	10	84	.88	155	.09	3	2.17	.05	.41	2	9
L14+00N 14+50E	1	52	4	52	.3	66	15	544	3.93	59	5	ND	2	45	.2	3	2	85	.53	.039	10	78	.88	159	.10	3	2.21	.05	.40	2	14
L14+00N 15+00E	1	48	3	65	.4	70	16	515	3.63	48	5	ND	2	59	.2	2	2	88	.60	.031	11	85	1.07	166	.12	3	2.48	.06	.30	2	16
L14+50N 10+00E	1	52	3	81	.3	65	14	337	2.94	7	5	ND	2	32	.2	2	2	70	.38	.071	5	77	.88	193	.13	3	2.44	.03	.10	2	1
L14+50N 10+50E	1	21	3	88	.3	59	13	432	2.79	4	5	ND	2	30	.2	2	2	58	.34	.120	5	59	.57	155	.12	3	2.44	.04	.09	2	1
L14+50N 11+00E	2	25	3	114	.3	76	15	479	2.84	3	5	ND	2	23	.2	2	2	62	.29	.111	5	63	.77	175	.12	3	2.90	.03	.09	2	47
L14+50N 11+50E	1	8	3	57	.3	28	7	425	1.75	5	5	ND	2	22	.2	2	2	40	.23	.114	3	25	.28	148	.08	3	1.38	.03	.06	2	95
L14+50N 12+00E	2	15	4	83	.3	54	12	364	2.46	10	5	ND	2	32	.2	2	2	52	.34	.151	4	49	.61	180	.09	3	2.19	.03	.10	2	2
L14+50N 12+50E	1	12	3	74	.3	43	9	474	2.21	3	5	ND	2	26	.2	2	2	47	.28	.077	5	46	.53	159	.10	3	1.82	.03	.09	2	1
L14+50N 13+00E	1	17	3	94	.3	63	12	438	2.85	7	5	ND	2	40	.2	2	2	60	.47	.040	5	75	1.01	199	.13	3	2.67	.03	.12	2	4
L14+50N 13+50E	1	12	3	47	.3	25	7	432	1.99	4	5	ND	2	36	.2	2	2	45	.45	.076	5	35	.47	109	.10	3	1.53	.04	.08	2	1
L14+50N 14+00E	1	21	3	56	.3	48	12	335	3.06	22	5	ND	2	32	.2	2	2	65	.36	.069	6	54	.62	135	.11	3	2.06	.03	.13	2	1
L14+50N 14+50E	1	30	3	52	.3	47	12	401	3.52	27	5	ND	2	44	.2	2	2	77	.49	.045	7	67	.89	135	.12	3	2.39	.04	.21	2	25
L14+50N 15+00E	1	22	3	47	.3	45	12	558	3.04	23	5	ND	2	36	.2	2	2	70	.37	.035	6	53	.62	169	.11	3	2.22	.03	.21	2	1
L14+50N 15+50E	1	18	3	86	.3	54	12	429	2.94	2	5	ND	2	36	.2	2	2	59	.48	.061	5	70	.97	140	.15	3	2.82	.02	.09	2	1
L14+50N 16+00E	1	6	4	72	.3	20	6	1173	1.64	4	5	ND	2	20	.2	2	2	40	.22	.080	3	22	.25	111	.08	3	1.10	.03	.07	2	5
L15+00N 10+00E	2	62	3	59	.3	54	12	263	3.11	34	5	ND	2	38	.2	2	2	71	.33	.063	7	62	.81	158	.10	3	1.96	.03	.14	2	4
L15+00N 10+50E	1	42	4	80	.3	50	12	529	2.83	18	5	ND	2	34	.2	2	2	60	.42	.058	6	53	.62	206	.11	3	1.95	.03	.13	2	15
L15+00N 11+00E	2	27	3	108	.4	67	14	447	3.20	6	5	ND	2	38	.2	2	2	66	.45	.095	6	71	.99	208	.13	3	3.03	.03	.11	2	1
L15+00N 11+50E	2	48	4	71	.3	57	12	326	3.21	17	5	ND	2	43	.2	2	2	67	.42	.087	6	61	.75	182	.11	3	2.26	.04	.16	2	6
L15+00N 12+00E	1	60	3	78	.3	87	17	407	4.41	41	5	ND	2	53	.2	2	2	87	.37	.086	7	88	1.00	196	.11	3	2.88	.04	.19	2	60

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
L15+00N 12+50E	1	117	3	87	.4	102	21	731	4.91	83	5	ND	2	64	.2	2	2	94	.50	.073	12	91	1.15	202	.10	3	2.88	.05	.31	2	8
L15+00N 13+00E	2	28	3	119	.3	71	15	785	3.51	10	5	ND	2	37	.2	2	2	69	.39	.082	8	68	.76	235	.10	3	3.17	.03	.13	2	2
L15+00N 13+50E	1	20	3	75	.3	49	12	721	3.27	2	5	ND	2	46	.2	3	2	65	.58	.046	6	66	.95	184	.14	3	2.95	.03	.17	2	1
L15+00N 14+00E	1	12	3	61	.3	32	8	362	2.26	10	5	ND	2	29	.2	2	2	50	.43	.081	5	35	.44	133	.10	3	1.52	.03	.08	2	1
L15+00N 14+50E	1	15	4	56	.3	43	11	486	2.75	14	5	ND	2	30	.2	2	2	55	.36	.063	6	42	.54	159	.09	3	2.08	.03	.09	2	1
L15+00N 15+00E	1	11	3	49	.3	32	9	647	2.11	5	5	ND	2	31	.2	2	2	48	.38	.053	4	35	.47	145	.10	3	1.67	.03	.09	2	1
L15+00N 15+50E	1	20	5	55	.3	44	10	371	2.91	2	5	ND	2	45	.2	2	2	65	.45	.031	6	62	.98	123	.19	3	2.46	.03	.11	2	3
L15+00N 16+00E	1	10	5	65	.3	33	9	898	1.94	2	5	ND	2	24	.2	2	2	48	.25	.076	5	34	.40	125	.10	3	1.58	.04	.10	2	1
L15+50N 10+00E	2	26	7	84	.3	47	11	398	2.55	2	5	ND	2	28	.2	2	2	56	.32	.056	5	44	.55	218	.11	3	1.90	.04	.12	2	1
L15+50N 10+50E	2	30	6	81	.3	45	11	517	2.46	8	5	ND	2	23	.2	2	2	56	.20	.063	4	42	.53	170	.09	3	1.86	.03	.09	2	8
L15+50N 11+00E	2	25	6	119	.3	62	12	445	2.57	4	5	ND	2	30	.2	2	2	54	.30	.100	6	50	.56	191	.11	3	2.46	.03	.12	2	1
L15+50N 11+50E	1	30	6	59	.3	50	12	377	3.03	17	5	ND	2	36	.2	2	2	66	.40	.034	5	58	1.08	106	.13	3	2.13	.02	.10	2	1
L15+50N 12+00E	1	41	5	60	.3	64	13	291	3.42	24	5	ND	2	42	.2	3	2	72	.32	.064	6	58	.68	162	.10	3	2.09	.03	.16	2	3
L15+50N 12+50E	1	16	7	65	.3	39	10	761	2.18	12	5	ND	2	26	.2	2	2	48	.25	.099	5	36	.44	148	.08	3	1.68	.03	.10	2	1
L15+50N 13+00E	1	23	4	92	.3	55	13	526	2.78	6	5	ND	2	30	.2	2	2	55	.26	.120	5	44	.59	170	.09	3	2.48	.02	.15	2	2
L15+50N 13+50E	1	16	7	78	.3	51	12	466	2.45	2	5	ND	2	28	.2	2	2	56	.33	.109	7	45	.72	142	.12	3	2.43	.03	.11	2	1
L15+50N 14+00E	2	48	7	54	.3	47	14	540	4.43	92	5	ND	2	39	.2	3	2	92	.49	.043	9	60	1.07	77	.13	3	2.16	.03	.15	2	1
L15+50N 14+50E	1	41	3	60	.4	63	15	446	4.73	27	5	ND	2	59	.2	3	2	104	.65	.039	9	82	1.36	112	.19	3	2.80	.04	.31	2	11
L15+50N 15+00E	2	59	3	47	.3	46	15	318	4.21	44	5	ND	2	55	.2	2	2	96	.40	.036	8	68	1.00	111	.12	3	2.29	.05	.25	2	7
L15+50N 15+50E	1	14	6	59	.3	37	10	456	2.33	4	5	ND	2	32	.2	2	2	54	.33	.072	5	42	.64	129	.12	3	1.97	.03	.11	2	2
L15+50N 16+00E	1	26	4	58	.3	47	11	421	2.99	2	5	ND	2	49	.2	2	2	67	.50	.043	7	62	1.17	116	.19	3	2.71	.02	.09	2	2
L16+00N 10+00E	2	55	6	49	.3	32	10	272	2.90	12	5	ND	2	20	.2	2	2	72	.21	.048	4	49	.45	345	.09	3	1.53	.03	.12	2	1
L16+00N 10+50E	2	69	3	68	.3	51	12	398	3.02	25	5	ND	2	32	.2	2	2	65	.31	.051	5	44	.60	156	.09	3	1.88	.03	.13	2	17
L16+00N 11+00E	5	192	3	54	.3	68	15	348	4.60	113	5	ND	2	62	.2	8	2	87	.42	.027	10	67	.80	138	.09	3	1.99	.08	.18	2	10
L16+00N 11+50E	1	25	8	73	.3	59	13	573	2.85	13	5	ND	2	35	.2	2	2	67	.36	.082	6	51	.78	169	.12	3	2.64	.03	.10	2	1
L16+00N 12+00E	2	39	5	75	.3	76	17	511	3.44	20	5	ND	2	37	.2	2	2	73	.35	.113	7	65	.88	176	.11	3	2.87	.04	.17	2	10
L16+00N 12+50E	1	23	5	96	.3	60	15	807	2.91	14	5	ND	2	34	.2	2	2	62	.35	.151	6	49	.63	199	.11	3	2.65	.03	.14	2	2
L16+00N 13+00E	2	36	3	67	.3	55	13	545	3.49	39	5	ND	2	44	.2	2	2	79	.38	.041	7	57	.89	152	.12	3	2.60	.03	.14	2	2
L16+00N 13+50E	1	27	5	80	.3	57	14	528	3.34	35	5	ND	2	36	.2	3	2	75	.38	.089	7	58	.96	168	.13	3	2.80	.03	.15	2	2
L16+00N 14+00E	2	44	3	58	.3	54	15	438	4.37	39	5	ND	2	53	.2	2	2	102	.57	.036	8	73	1.41	142	.13	3	3.20	.04	.25	2	3
L16+00N 14+50E	1	38	6	55	.3	56	14	482	4.82	19	5	ND	2	56	.2	3	2	99	.55	.053	8	73	1.21	131	.14	3	2.61	.06	.27	2	2
L16+00N 15+00E	1	21	3	52	.3	42	11	384	3.17	2	5	ND	2	30	.2	2	2	68	.54	.035	6	62	1.41	62	.21	3	2.27	.02	.08	2	5
L16+00N 15+50E	2	13	6	82	.3	45	11	684	2.60	2	5	ND	2	36	.2	2	2	59	.45	.102	6	51	.83	196	.13	3	2.32	.03	.12	2	2
L16+00N 16+00E	2	33	3	56	.3	50	13	456	3.61	19	5	ND	2	33	.2	2	2	81	.44	.080	6	62	1.17	100	.13	3	2.33	.05	.19	2	1
L19+00N 13+00E	2	46	4	62	.3	64	16	413	4.11	20	5	ND	2	52	.2	2	2	89	.43	.057	7	73	1.19	162	.13	3	3.20	.04	.17	2	1

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
L19+00N 13+50E	1	25	5	62	.3	60	16	352	3.59	19	5	ND	2	41	.2	2	2	80	.37	.078	6	62	.90	140	.12	3	2.97	.03	.15	2	1
L19+00N 14+00E	2	31	8	70	.3	66	17	430	3.80	20	5	ND	2	37	.2	2	2	83	.30	.065	6	56	.79	147	.10	3	3.12	.03	.12	2	1
L19+00N 14+50E	1	23	7	62	.3	53	13	328	2.75	5	5	ND	2	28	.2	2	2	65	.23	.105	6	40	.62	109	.11	3	2.59	.04	.10	2	1
L19+00N 15+00E	2	33	7	45	.3	48	14	269	3.18	5	5	ND	2	28	.2	2	2	69	.18	.086	6	44	.59	113	.09	3	2.34	.04	.10	2	1
L19+00N 15+50E	3	34	7	58	.3	51	20	433	3.30	5	5	ND	2	27	.2	2	2	76	.18	.049	6	45	.75	107	.13	3	3.09	.03	.10	2	1
L19+00N 16+00E	2	70	6	49	.3	61	21	318	4.28	17	5	ND	2	35	.2	2	2	80	.19	.039	6	54	1.14	151	.11	3	3.70	.03	.14	2	1
L19+50N 13+00E	1	26	6	74	.3	62	16	506	2.86	9	5	ND	2	34	.2	2	2	64	.35	.097	7	44	.70	139	.12	3	2.60	.03	.13	2	1
L19+50N 13+50E	2	49	8	54	.3	59	17	447	3.44	19	5	ND	2	34	.2	2	2	87	.31	.051	6	59	.98	120	.14	3	3.17	.03	.13	2	4
L19+50N 14+00E	1	53	3	48	.3	54	14	359	3.46	30	5	ND	2	53	.2	4	2	82	.39	.057	6	53	1.14	112	.13	3	2.71	.03	.16	2	5
L19+50N 14+50E	1	8	4	22	.3	13	6	182	1.74	3	5	ND	2	23	.2	2	2	61	.19	.022	2	12	.17	42	.09	3	.63	.04	.06	2	1
L19+50N 15+00E	5	87	9	56	.3	76	22	312	4.43	37	5	ND	2	36	.2	2	2	104	.27	.045	7	63	1.03	134	.13	3	3.88	.03	.13	2	1
L19+50N 15+50E	2	7	3	19	.3	7	4	107	1.48	2	5	ND	2	11	.2	2	2	53	.07	.013	2	9	.08	20	.08	3	.42	.02	.03	2	1
L19+50N 16+00E	2	249	6	49	.5	50	18	262	3.71	12	5	ND	2	36	.2	2	2	89	.23	.052	5	49	.85	111	.12	3	2.72	.03	.08	2	13
L20+00N 13+00E	1	25	6	75	.3	64	16	416	3.30	7	5	ND	2	36	.2	2	2	74	.30	.084	6	53	.74	153	.13	3	2.83	.03	.09	2	1
L20+00N 13+50E	1	30	4	40	.3	42	12	340	2.98	18	5	ND	2	40	.2	3	2	70	.32	.048	5	43	.78	111	.11	3	2.01	.03	.11	2	14
L20+00N 14+00E	2	21	8	43	.3	36	14	606	2.77	18	5	ND	2	30	.2	2	2	67	.27	.128	6	37	.42	119	.10	3	1.98	.04	.07	2	95
L20+00N 14+50E	2	43	6	50	.3	59	18	525	3.88	141	5	ND	2	41	.2	2	2	92	.30	.060	6	54	.82	150	.12	3	2.69	.04	.11	2	1
L20+00N 15+00E	4	44	5	51	.3	63	19	263	4.14	31	5	ND	2	29	.2	2	2	103	.19	.050	6	62	.87	108	.14	3	3.07	.04	.13	2	1
L20+00N 15+50E	7	133	6	46	.3	70	20	295	5.03	40	5	ND	2	39	.2	2	2	104	.21	.046	5	46	.66	95	.09	3	2.17	.03	.09	2	8
L20+00N 16+00E	3	75	8	45	.3	40	13	211	3.67	10	5	ND	2	25	.2	2	2	101	.15	.036	5	46	.69	95	.14	3	2.56	.04	.09	2	1
L20+50N 13+00E	2	24	4	73	.3	52	17	966	3.10	15	5	ND	2	34	.2	2	2	75	.34	.108	6	41	.55	119	.11	3	2.31	.03	.10	2	7
L20+50N 13+50E	1	45	4	63	.3	77	20	366	3.96	22	5	ND	2	46	.2	2	2	85	.32	.056	5	59	1.05	124	.13	3	3.08	.03	.11	2	15
L20+50N 14+00E	2	48	3	47	.3	80	19	239	4.25	46	5	ND	2	31	.2	2	2	96	.19	.034	6	82	.82	85	.09	3	2.86	.04	.15	2	3
L20+50N 14+50E	3	71	6	57	.3	72	23	365	4.31	65	5	ND	2	41	.2	2	2	99	.27	.045	8	60	.98	138	.12	3	3.32	.04	.11	2	17
L20+50N 15+00E	3	86	10	60	.3	66	21	400	4.51	40	5	ND	2	41	.2	2	2	106	.24	.061	8	65	.84	132	.13	3	3.35	.04	.12	2	1
L20+50N 15+50E	2	153	4	57	.3	80	21	380	4.51	11	5	ND	2	56	.2	2	2	104	.37	.045	8	64	1.31	143	.20	3	3.41	.05	.15	2	2
L20+50N 16+00E	3	220	3	59	.3	95	23	331	5.13	36	5	ND	2	49	.2	2	2	114	.30	.051	7	73	1.09	164	.13	3	3.66	.04	.13	2	3
L21N 13+00E	2	30	4	101	.3	67	18	598	3.68	23	5	ND	2	41	.2	2	2	81	.31	.077	5	54	.73	160	.12	3	2.77	.04	.11	2	21
L21N 13+50E	1	50	7	123	.3	97	29	531	4.64	29	5	ND	2	43	.2	2	2	101	.33	.064	7	82	1.15	130	.15	3	3.79	.04	.15	2	7
L21N 14+00E	1	74	3	55	.3	93	26	361	4.74	58	5	ND	2	65	.2	2	2	99	.41	.037	7	82	1.23	168	.12	3	3.36	.05	.17	2	9
L21N 14+50E	2	134	9	62	.3	92	25	361	4.72	56	5	ND	2	48	.2	2	2	102	.30	.053	7	76	1.29	139	.12	3	3.46	.04	.15	2	5
L21N 15+00E	2	191	3	48	.3	95	22	299	4.69	52	5	ND	2	49	.2	2	2	100	.25	.042	6	84	1.13	199	.10	3	3.17	.05	.20	2	2
L21N 15+50E	3	126	8	54	.4	65	22	293	4.81	263	5	ND	2	36	.2	7	2	103	.21	.045	6	59	.80	148	.09	3	3.34	.03	.10	2	12
L21N 16+00E	4	97	7	54	.3	65	18	277	3.95	32	5	ND	2	32	.2	2	2	102	.20	.039	6	55	.76	129	.13	3	2.74	.03	.12	2	1
L21+50N 13+00E	1	27	5	81	.3	59	15	567	3.86	10	5	ND	2	48	.2	2	2	85	.44	.048	7	57	.87	141	.20	3	2.09	.04	.14	2	1

ELEMENT SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb
L21+50N 13+50E	1	7	5	59	.3	11	4	191	1.25	6	5	ND	2	50	.2	2	2	32	.39	.023	5	12	.19	63	.07	3	.86	.04	.04	2	1
L21+50N 14+00E	1	56	7	53	.3	59	18	516	3.92	45	5	ND	2	69	.2	2	2	90	.42	.035	10	51	.75	153	.09	3	1.86	.04	.15	2	2
L21+50N 14+50E	4	206	3	48	.3	55	18	599	4.09	55	5	ND	2	62	.2	5	2	90	.61	.086	11	64	.99	171	.10	3	1.97	.06	.29	2	9
L21+50N 15+00E	1	16	4	44	.3	21	8	848	2.13	17	5	ND	2	28	.2	2	2	53	.24	.102	4	22	.28	98	.09	3	1.24	.03	.08	2	1
L21+50N 15+50E	2	36	10	79	.3	57	15	531	3.35	18	5	ND	2	37	.2	2	2	73	.33	.108	6	47	.67	173	.12	3	2.29	.02	.13	2	1
L21+50N 16+00E	2	152	3	32	.3	41	15	456	3.23	46	5	ND	2	37	.2	3	2	69	.37	.052	7	47	.69	96	.06	3	1.08	.04	.15	2	105
L22+00N 13+00E	1	6	7	34	.3	15	6	437	1.74	4	5	ND	2	20	.2	2	2	49	.19	.052	3	17	.19	78	.09	3	.95	.03	.05	2	1
L22+00N 13+50E	1	31	9	36	.3	44	12	586	3.82	48	5	ND	2	36	.2	2	2	76	.32	.054	11	35	.37	161	.06	3	1.38	.02	.16	2	1
L22+00N 14+00E	2	36	10	58	.3	70	14	635	3.59	63	5	ND	2	37	.2	2	2	82	.27	.068	7	49	.56	158	.09	3	1.99	.02	.14	2	4
L22+00N 14+50E	2	24	8	52	.3	48	13	588	2.94	12	5	ND	2	32	.2	2	2	66	.30	.095	6	43	.55	198	.09	3	2.19	.02	.12	2	2
L22+00N 15+00E	2	58	7	57	.3	63	15	934	3.43	40	5	ND	2	36	.2	2	2	77	.31	.099	6	52	.62	169	.08	3	2.12	.02	.21	2	1
L22+00N 15+50E	1	30	8	63	.3	55	13	227	2.78	19	5	ND	2	32	.2	2	2	60	.29	.105	5	43	.60	151	.09	3	2.41	.02	.12	2	4
L22+00N 16+00E	1	69	5	52	.3	52	12	342	3.00	34	5	ND	2	30	.2	3	2	69	.22	.114	5	43	.66	138	.08	3	2.17	.02	.11	2	10
MM96 SS-1	1	30	10	77	.3	33	13	785	3.29	4	5	ND	2	38	.2	2	2	70	.54	.063	12	41	.68	125	.08	3	2.34	.02	.20	2	1
MM96 SS-2	1	29	8	72	.3	33	11	643	3.15	3	5	ND	2	35	.2	2	2	69	.49	.069	11	39	.69	160	.07	3	2.06	.02	.14	2	1
MM96 SS-3	1	28	9	65	.3	35	10	476	3.53	4	5	ND	2	40	.2	2	2	75	.60	.054	11	43	.71	125	.07	3	2.13	.02	.11	2	1
MM96 SS-4	1	42	6	72	.3	46	14	704	3.99	6	5	ND	2	66	.2	2	2	88	.87	.066	11	59	.97	117	.11	3	3.05	.02	.11	2	1
MM96 SS-5	1	30	11	72	.3	35	15	868	4.11	4	5	ND	2	47	.2	2	2	92	.68	.061	10	61	1.00	118	.08	3	2.90	.02	.21	2	1
MM96 SS-6	1	22	8	70	.3	34	11	719	4.12	4	5	ND	2	38	.2	2	2	79	.52	.056	11	45	.61	124	.06	4	2.13	.02	.14	2	26
MM96 SS-7	1	28	11	76	.3	38	14	843	4.09	4	5	ND	2	44	.2	2	2	79	.62	.066	13	45	.61	169	.05	3	2.22	.02	.15	2	1
MM96 SS-8	1	6	4	49	.3	14	6	452	1.97	2	5	ND	2	19	.2	2	2	59	.24	.024	3	14	.27	58	.08	3	.73	.02	.06	2	1
MM96 SS-9	1	43	10	74	.3	43	15	566	4.16	7	5	ND	2	53	.2	3	2	81	.66	.056	11	46	1.12	101	.07	3	2.47	.01	.10	2	3
MM96 SS-10	1	26	11	70	.3	61	15	605	3.48	15	5	ND	2	37	.2	2	2	63	.33	.030	7	47	1.13	85	.06	3	1.68	.01	.07	2	1
MM96 SS-11	1	74	9	71	.3	92	21	614	4.97	27	5	ND	2	54	.2	2	2	78	.55	.060	12	58	1.43	106	.08	3	1.63	.03	.13	2	19
MM96 SS-12	2	44	11	95	.3	103	19	990	4.53	30	5	ND	2	46	.2	2	2	91	.38	.055	16	70	.69	173	.06	3	1.92	.02	.17	2	2
MM96 SS-13	1	161	6	70	.3	86	19	630	5.37	57	5	ND	2	41	.2	2	2	90	.82	.034	15	62	.89	74	.04	3	1.62	.03	.10	2	225
MM96 SS-14	1	145	6	80	.3	92	19	644	5.68	53	5	ND	2	58	.2	2	2	97	1.90	.052	22	73	.95	93	.04	3	2.22	.03	.20	2	15
MM96 SS-15	1	48	9	84	.3	126	15	550	4.57	31	5	ND	2	39	.2	2	2	73	.52	.035	16	77	.90	98	.04	3	2.09	.01	.18	2	3
MM96 SS-16	1	24	9	73	.3	23	15	966	3.73	2	5	ND	2	24	.2	2	2	87	.89	.055	6	37	1.49	47	.13	3	2.47	.01	.10	2	1
MM96 SS-17	1	21	11	91	.3	42	13	1222	2.76	2	5	ND	2	37	.2	2	2	63	.47	.062	9	40	.70	140	.12	3	2.58	.03	.11	2	1
MM96 SS-18	1	27	11	93	.3	82	19	1122	3.90	4	5	ND	2	46	.2	2	2	92	.47	.049	7	83	1.19	125	.11	3	3.21	.02	.10	2	1
MM96 SS-19	1	28	9	76	.3	67	15	736	3.88	12	5	ND	2	30	.2	2	2	91	.28	.061	5	55	.63	137	.06	3	1.65	.01	.07	2	1
MM96 SS-20	3	256	7	39	.3	36	20	690	5.49	21	5	ND	2	378	.2	2	2	92	1.97	.097	17	66	.50	792	.02	3	3.29	.04	.22	2	10
MM96 SS-21	3	53	9	59	.3	63	22	738	6.65	5	5	ND	2	469	.2	4	2	123	1.33	.090	13	98	1.67	164	.01	3	4.51	.04	.07	2	2
MM96 SS-22	1	119	4	34	.3	18	14	253	4.77	2	5	ND	2	67	.2	2	2	110	.32	.062	7	34	1.21	53	.01	3	2.88	.01	.06	2	1

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
MM96 SS-23	1	30	5	73	.3	61	14	855	3.28	6	5	ND	2	55	.2	2	2	82	.22	.093	7	53	.96	135	.10	3	3.72	.02	.10	2	7
MM96 SS-24	1	49	8	56	.3	55	15	402	3.63	10	5	ND	2	73	.2	2	2	81	.22	.089	6	57	.98	127	.07	3	3.26	.01	.08	2	2
MM96 SS-25	4	154	3	22	.3	21	10	219	2.69	5	5	ND	2	24	.2	2	2	59	.23	.038	5	19	.19	70	.07	3	.91	.02	.05	2	8
MM96 SS-26	3	220	6	42	.3	66	15	353	3.93	5	5	ND	2	86	.2	3	2	88	.89	.067	10	68	1.44	157	.13	3	2.90	.14	.24	2	14
MM96 SS-27	5	921	3	26	.3	47	15	519	3.34	6	5	ND	2	84	.2	2	2	64	.88	.041	13	37	.72	117	.08	3	1.27	.06	.19	2	25
MM96 SS-28	2	277	3	37	.3	80	18	640	3.90	24	5	ND	2	92	.2	2	2	92	1.20	.064	8	85	1.60	152	.13	3	2.70	.14	.26	2	1

Appendix D: 1996 Rock Sample Description

Sample No.	Description	Au* (ppb)	Cu (ppm)	As (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)
MM96-1	Mixed volcanic and sandstone from outcrop along ridge. Alteration is propyllitic to argillic.	8	38	155	10	79	0.3
MM96-2	Mixed volcanic and sandstone from outcrop along ridge. Alteration is propyllitic to argillic.	4	16	681	46	100	0.3
MM96-3	Mixed volcanic and sandstone from outcrop along ridge. Alteration is propyllitic to argillic.	10	10	160	13	101	0.3
MM96-4	Mixed volcanic and sandstone from outcrop along ridge. Alteration is propyllitic to argillic.	7	26	23	7	69	0.3
MM96-5	Mixed volcanic and sandstone from outcrop along ridge. Alteration is propyllitic to argillic.	4	44	732	7	94	0.3
MM96-6	Mixed volcanic and sandstone from outcrop along ridge. Alteration is propyllitic to argillic.	3	51	1603	17	118	0.8
MM96-7	Mixed volcanic and sandstone from outcrop along ridge. Alteration is propyllitic to argillic.	6	19	320	36	81	0.3
MM96-8	Mixed volcanic and sandstone from outcrop along ridge. Alteration is propyllitic to argillic.	36	36	83	167	342	1.1
MM96-9	Mixed volcanic and sandstone from outcrop along ridge. Alteration is propyllitic to argillic.	8	71	221	26	120	0.7
MM96-10	Mixed volcanic and sandstone from outcrop along ridge. Alteration is propyllitic to argillic.	5	37	82	3	117	0.3
MM96-11	Mixed volcanic and sandstone from outcrop along ridge. Alteration is propyllitic to argillic.	4	21	145	4	100	0.3
MM96-12	Mixed volcanic and sandstone from outcrop along ridge. Alteration is propyllitic to argillic.	5	19	51	9	103	0.3
MM96-13	Mixed volcanic and sandstone from outcrop along ridge. Alteration is propyllitic to argillic.	9	19	526	7	509	0.3
MM96-14	Mixed volcanic and sandstone from outcrop along ridge. Alteration is propyllitic to argillic.	310	48	2991	11	265	0.3
MM96-15	Mixed volcanic and sandstone from outcrop along ridge. Alteration is propyllitic to argillic.	12	97	1070	6	252	0.3
MM96-16	Trench sample in argillic altered volcanics.	9	22	1744	3	103	0.3

Appendix D: 1996 Rock Sample Description

Sample No.	Description	Au* (ppb)	Cu (ppm)	As (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)
MM96-17	Mixed volcanic and sandstone from outcrop along road-cut. Alteration is propyllitic to argillic.	5	3	17	5	50	0.3
MM96-18	Mixed volcanic and sandstone from outcrop along road-cut. Alteration is propyllitic to argillic.	2	30	8	10	89	0.3
MM96-19	Mixed volcanic and sandstone from outcrop along ridge. Alteration is propyllitic to argillic. Minor white staining on outcrop from calcium or ash.	3	28	6	8	82	0.3
MM96-20	Mixed volcanic and sandstone from scree across 10 meters. Alteration is propyllitic to argillic.	10	48	94	10	106	0.3
MM96-21	Grab sample along scree-felsenmere for 60 meters on excavation pit.	9	176	49	5	87	0.5
MM96-22	Grab sample along scree-felsenmere for 10 meters on excavation pit.	1	96	13	3	130	0.4
MM96-23	Grab sample along scree-felsenmere for 60 meters on excavation pit.	7	175	9	6	122	0.4
MM96-24	Sample across 70 meters in scree of rusty weathering propyllitic altered fine sandstone/siltstone.	245	100	18	15	32	0.3
MM96-25	Sample across 100 meters in scree of rusty weathering propyllitic altered fine sandstone/siltstone.	2	121	2	4	25	0.3
MM96-26	Sample across 80 meters in scree of rusty weathering propyllitic altered fine sandstone/siltstone.	1	106	7	4	26	0.3
MM96-27	Float sample in propyllitic altered fine sandstone.	20	785	3	17	185	4
MM96-28	Float sample in propyllitic altered fine sandstone.	1	18	5	6	75	0.3
MM96-29	Scree sample in propyllitic altered fine sandstone.	6	32	12	12	80	0.3
MM96-30	Outcrop sample in propyllitic altered fine sandstone.	1	6	2	3	66	0.3
MM96-31	Float sample from road-cut in propyllitic altered fine sandstone/siltstone.	2	35	19	13	82	0.3
MM96-32	Road-cut outcrop in rusty weathering fine sandstone and shale.	14	59	6	8	95	0.3

Appendix D: 1996 Rock Sample Description

Sample No.	Description	Au* (ppb)	Cu (ppm)	As (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)
MM96-33	Road-cut outcrop in rusty weathering fine sandstone and shale.	1	44	48	9	84	0.4
MM96-34	Road-cut outcrop in rusty weathering fine sandstone and shale.	1	52	6	9	91	0.3
MM96-35	Road-cut outcrop in rusty weathering fine sandstone and shale.	3	50	4	12	89	0.3
MM96-36	Road-cut outcrop in rusty weathering fine sandstone and shale.	4	54	12	9	98	0.3
MM96-37	Road-cut outcrop in rusty weathering fine sandstone and shale.	11	42	6	10	88	0.3
MM96-38	Road-cut outcrop in rusty weathering fine sandstone and shale.	3	57	10	4	87	0.3
MM96-39	Poorly exposed rusty weathering propyllitic altered fine sandstone from draw.	1	10	35	3	30	0.4
MM96-40	Outcrop sample in rusty weathering propyllitic altered fine sandstone.	1	26	3	10	47	0.3
MM96-41	Scree sample in rusty weathering propyllitic alters fine sandstone.	2	31	6	7	68	0.3
MM96-42	Road-cut outcrop in rusty weathering fine sandstone and shale.	1	60	8	8	100	0.3
MM96-43	Poorly exposed road-cut outcrop in rusty weathering fine sandstone and shale.	1	5	2	7	38	0.3
MM96-44	Angular float in road-cut.	31	19	28	15	69	0.3
MM96-45	Road-cut outcrop sample in rusty weathering fine sandstone.	13	19	8	10	57	0.7
MM96-46	Road-cut outcrop sample in rusty weathering fine sandstone.	5	22	15	6	84	0.3
MM96-47	Road-cut outcrop sample in rusty weathering fine sandstone.	1	23	12	9	77	0.3
MM96-48	Scree sample from under tree roots in rusty weathering fine sandstone.	32	117	2	19	250	0.3
MM96-49	Scree sample from under tree roots in rusty weathering fine sandstone.	18	48	42	11	140	0.3
MM96-50	Scree sample from under tree roots in rusty weathering fine sandstone.	4	71	143	17	161	0.3
MM96-51	Scree sample in rusty weathering fine sandstone. Located near North Fork 4 post 6S+1E.	2	45	77	11	106	0.3

Appendix D: 1996 Rock Sample Description

Sample No.	Description	Au* (ppb)	Cu (ppm)	As (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)
MM96-52	Float sample near trench in rusty weathering fine propyllitic altered sandstone.	2	51	47	11	129	0.3
MM96-53	Scree sample near trench in rusty weathering fine propyllitic altered sandstone.	1	24	17	9	77	0.3
MM96-54	Sample from trench in rusty weathering fine sandstone.	1	38	37	9	103	0.3
MM96-55	Sample from trench in rusty weathering fine sandstone.	6	30	12	9	70	0.3
MM96-56	Sample from trench in rusty weathering fine sandstone.	12	60	36	14	116	0.3
MM96-57	Road-cut sample in fine rusty weathering sandstone.	1	40	13	12	123	0.3
MM96-58	Road-cut sample in fine rusty weathering sandstone.	2	38	27	16	98	0.3
MM96-59	Garnet-bearing float(?).	1	16	124	3	36	0.3
MM96-60	Sample from trench below Warren's cabin.	8	202	21	6	41	0.3
MM96-61	Rusty weathering propyllitic altered fine sandstone from old placer test pit.	8	166	56	3	52	0.3
MM96-62	Outcrop sample in rusty weathering propyllitic altered fine sandstone/siltstone from exposure at confluence of Rabbit and Stirrup Creeks.	2	164	39	6	35	0.3
MM96-63	Poorly exposed rusty weathering propyllitic altered fine sandstone from east of road.	3	160	989	5	49	0.4
MM96-64	Road-cut exposure of rusty weathering propyllitic altered fine sandstone from west road above Rabbit's cabin.	1	10	81	10	59	0.3
MM96-65	Road-cut exposure of rusty weathering propyllitic altered fine sandstone from west road above Rabbit's cabin.	1	47	158	9	70	0.3
MM96-66	No sample description available.	1	43	5	4	26	0.3
MM96-67	Road-cut outcrop in mixed volcanic and sandstone. Alteration propyllitic and argillic.	9	129	26	8	36	0.3
MM96-68	Scree in mixed volcanic and sandstone. Alteration propyllitic and argillic.	36	211	1682	5	50	0.3

Appendix D: 1996 Rock Sample Description

Sample No.	Description	Au* (ppb)	Cu (ppm)	As (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)
MM96-69	Road-cut outcrop in mixed volcanic and sandstone. Alteration propyllitic and argillic.	7	81	189	7	79	0.3
MM96-70	Road-cut outcrop in mixed volcanic and sandstone. Alteration propyllitic and argillic.	16	52	137	12	90	0.3
MM96-71	Old trench or road-cut exposure in rusty sandstone.	17	31	191	16	68	0.3
MM96-72	Outcrop in rusty weathering sandstone on ridge.	250	143	27	9	27	0.3
MM96-73	Scree sample in rusty weathering sandstone on ridge.	1	45	55	17	98	0.3
MM96-74 (A)	Sample in trench of propyllitic altered fine sandstone above campsite, near old drill hole.	75	121	34	10	18	0.3
MM96-74 (B)	Sample in trench of propyllitic altered fine sandstone above campsite, near old drill hole.	6	174	114	9	26	0.3
MM96-75	Trench sample in mixed volcanic and sandstone below old camp.	230	565	310	11	27	1.4
MM96-76	Trench sample in mixed volcanic and sandstone below old camp.	250	156	520	13	38	0.4
MM96-77	Trench sample in mixed volcanic and sandstone below old camp.	31	20	2273	6	27	0.3
MM96-78	Grab sample on north face of trench in argillic altered volcanics.	71	179	789	9	25	0.3
MM96-79	Grab sample on south face of trench in argillic altered volcanics.	70	187	999	14	37	0.3
MM96-80	10 meter grab sample in road-cut/trench on north side of ridge.	410	297	859	14	70	0.3
MM96-81	Sample from small trench on ridge in rusty weathering fine sandstone.	30	22	113	9	70	0.3
MM96-82	Sample from small trench on ridge in rusty weathering fine sandstone.	4	13	315	10	108	0.3
MM96-83	Sample from small trench on ridge in rusty weathering fine sandstone. Sample contains sulfides.	25	32	169	3	136	0.3
MM96-84	Sample from small trench on ridge in rusty weathering fine sandstone.	69	95	788	16	112	0.3
MM96-85	Sample from small trench on ridge in rusty weathering fine sandstone.	3	38	12	4	51	0.3
MM96-86	Sample from small trench on ridge in rusty weathering fine sandstone. Sample contains sulfides.	14	20	190	3	167	0.3
MM96-87	Sample from small trench on ridge in rusty weathering fine sandstone.	8	26	39	7	95	0.3

Appendix D: 1996 Rock Sample Description

Sample No.	Description	Au* (ppb)	Cu (ppm)	As (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)
MM96-88	Sample from small trench on ridge in rusty weathering fine sandstone.	8	26	87	8	221	0.3
MM96-89	Sample from small trench on ridge in rusty weathering fine sandstone.	9	20	498	8	67	0.3
MM96-90	Float sample in rusty weathering fine sandstone.	29	603	24	9	38	2.1
MM96-91	Trench sample in rusty fine sandstone.	5	360	33	3	71	0.3
MM96-92	Sample from old pit in rusty fine sandstone.	3	346	51	4	28	0.3
MM96-93	Trench sample in rusty fine sandstone.	210	324	7	4	12	0.3
MM96-94	Sample from scree in rusty weathering sandstone.	1	29	13	6	29	0.3
MM96-95	Sample from old pit in rusty fine sandstone.	1	208	165	3	39	0.3
MM96-96	Sample from old pit in rusty fine sandstone.	25	218	101	6	43	0.3
MM96-97	Outcrop sample of propyllitic altered fine-grained sandstone.	1	65	10	4	53	0.5
MM96-98	Float sample of propyllitic altered fine-grained sandstone.	1	15	9	7	34	0.3
MM96-99	Scree sample in propyllitic altered fine sandstone.	1	66	5	5	39	0.3
MM96-100	Outcrop sample of propyllitic altered fine-grained sandstone.	1	258	7	10	33	0.3
MM96-101	Grab sample from trench in propyllitic altered fine sandstone.	1	65	64	4	69	0.3
MM96-102	Grab sample from trench in propyllitic altered fine sandstone.	8	72	16	3	33	0.3
MM96-103	Grab sample from trench in propyllitic altered fine sandstone.	7	62	10	7	78	0.5
MM96-104	Grab sample from trench in propyllitic altered fine sandstone. Trench 10 long.	1	138	72	5	44	0.3
MM96-105	Grab sample from trench in propyllitic altered fine sandstone. Trench 15 long.	1	38	80	3	47	0.3
MM96-106	Rusty weathering fine sandstone.	5	55	39	4	107	0.5
MM96-107 (A)	Rusty, propyllitic altered volcanic(?) from outcrop.	1	44	90	3	73	0.3
MM96-107 (B)	Rusty, propyllitic altered volcanic(?) from outcrop.	1	59	13	3	116	0.3
MM96-108 (A)	Rusty, propyllitic altered sandstone from outcrop.	1	40	18	3	63	0.3
MM96-108 (B)	Rusty, propyllitic altered sandstone from outcrop.	6	14	85	3	17	0.9

Appendix D: 1996 Rock Sample Description

Sample No.	Description	Au* (ppb)	Cu (ppm)	As (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)
MM96-109	Float in rusty sandstone.	4	114	18	3	32	0.3
MM96-110	Road-cut sample of propyllitic altered fine sandstone.	15	1067	21	3	38	0.8
MM96-111	Outcrop sample in propyllitic altered fine sandstone.	2	64	7	6	99	0.3
MM96-112	Outcrop sample in propyllitic altered fine sandstone.	4	50	35	3	103	0.3
MM96-113	Outcrop sample in propyllitic altered fine sandstone.	3	58	179	3	28	0.3
MM96-114	Outcrop sample in propyllitic altered fine sandstone.	1	25	86	3	50	0.3
MM96-115	No sample description available.	3	38	183	3	65	0.3
MOORE LAKE	Rusty weathering cliff-face in felsic volcanics northwest of Moore Lake.	18	26	2	3	48	0.3

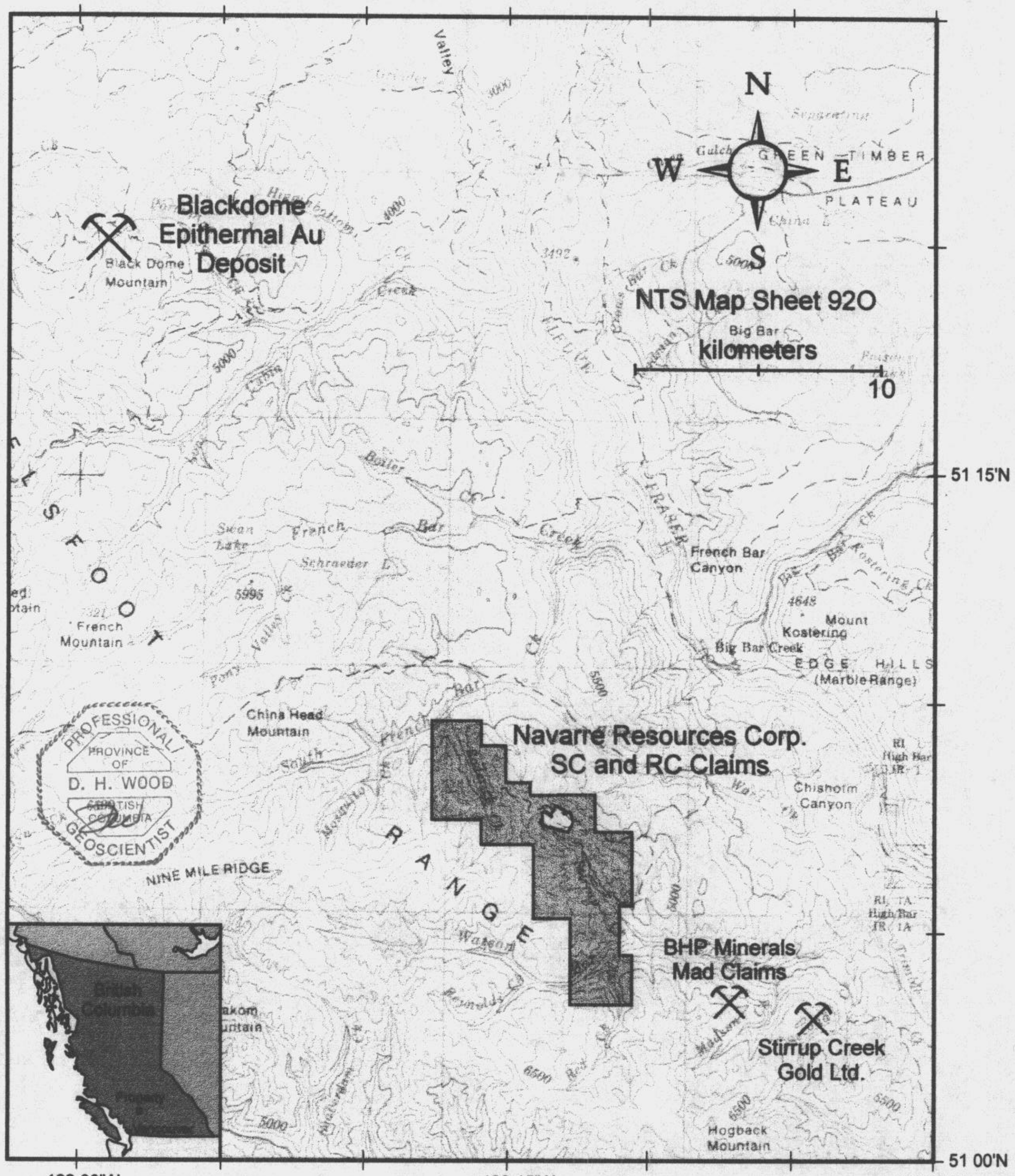

Figure 1: Location Map of the SC and RC Claim Groups

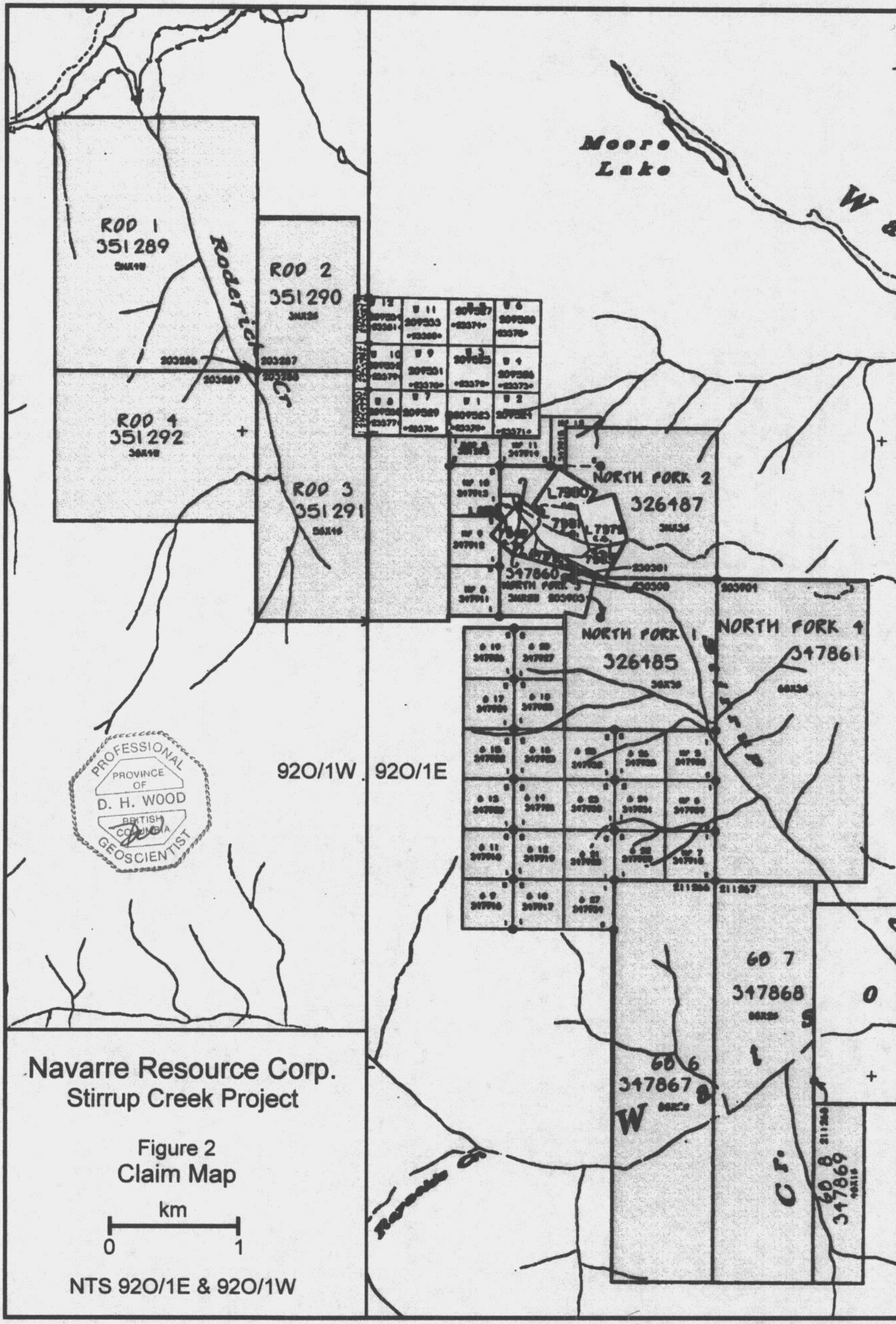

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Figure 2
Claim Map

NTS 92O/1E & 92O/1W

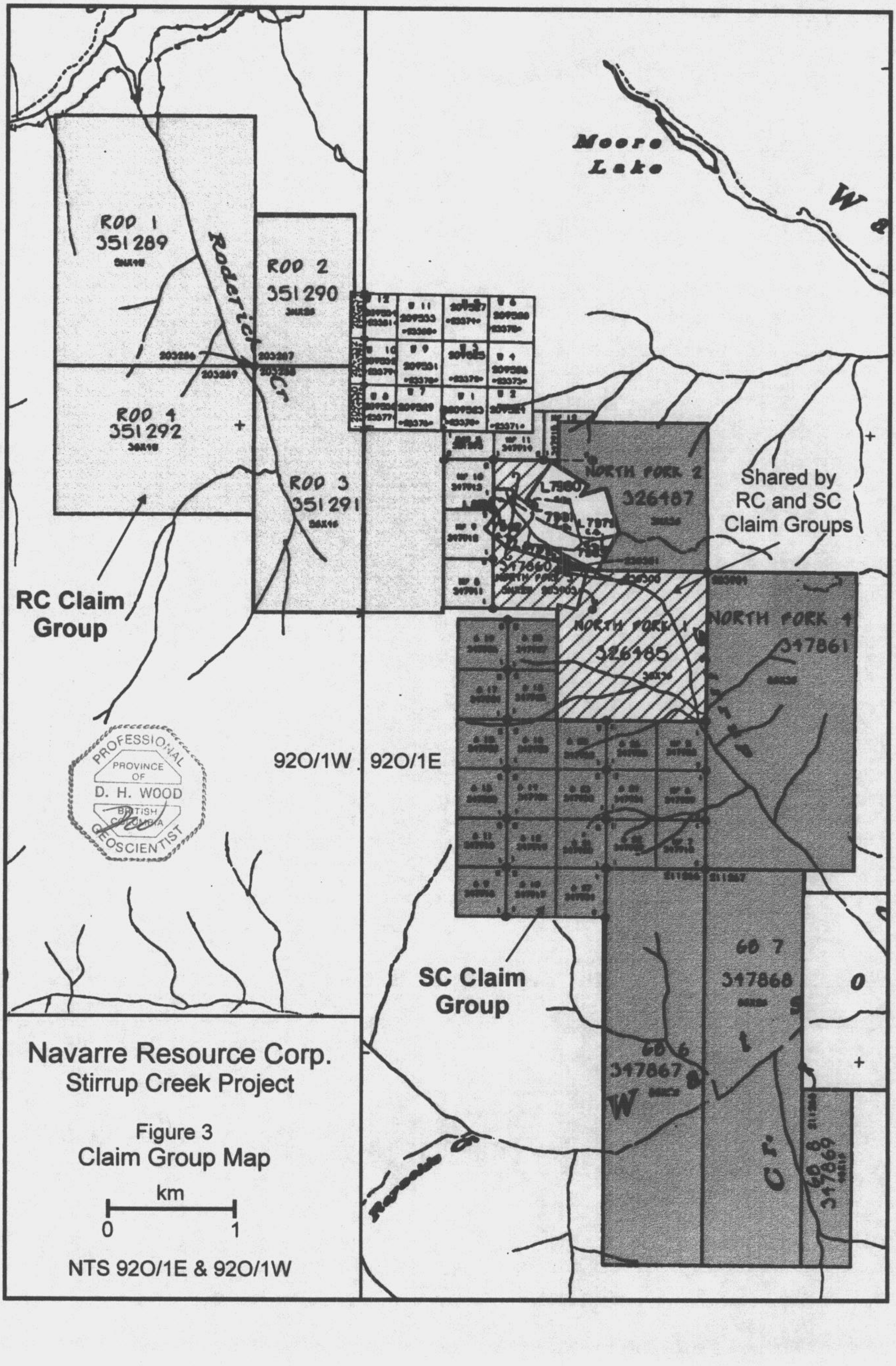

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Figure 3
Claim Group Map

NTS 92O/1E & 92O/1W

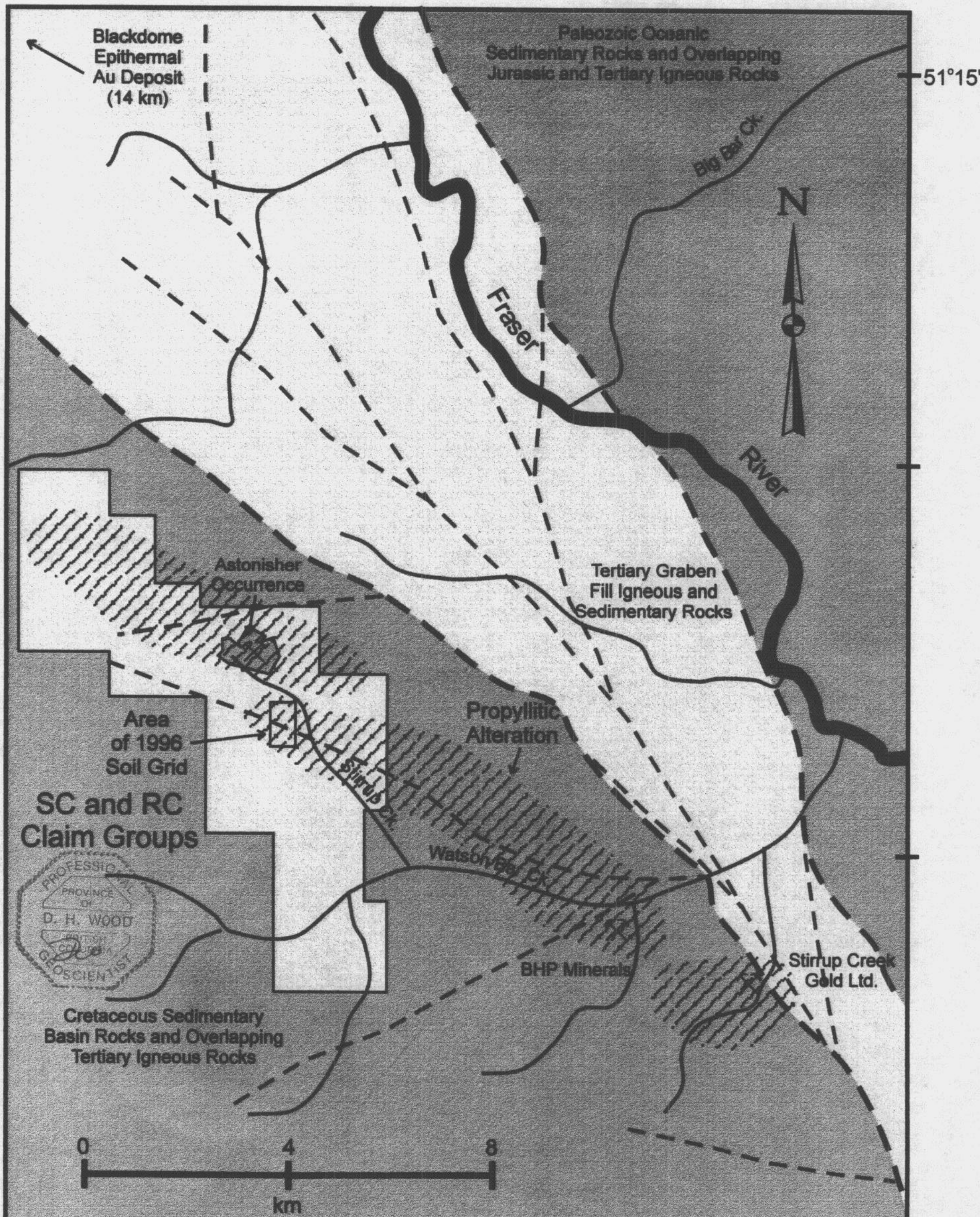

Figure 4: Regional Geological sketch map of the Stirrup Creek area (after Tipper, 1978).

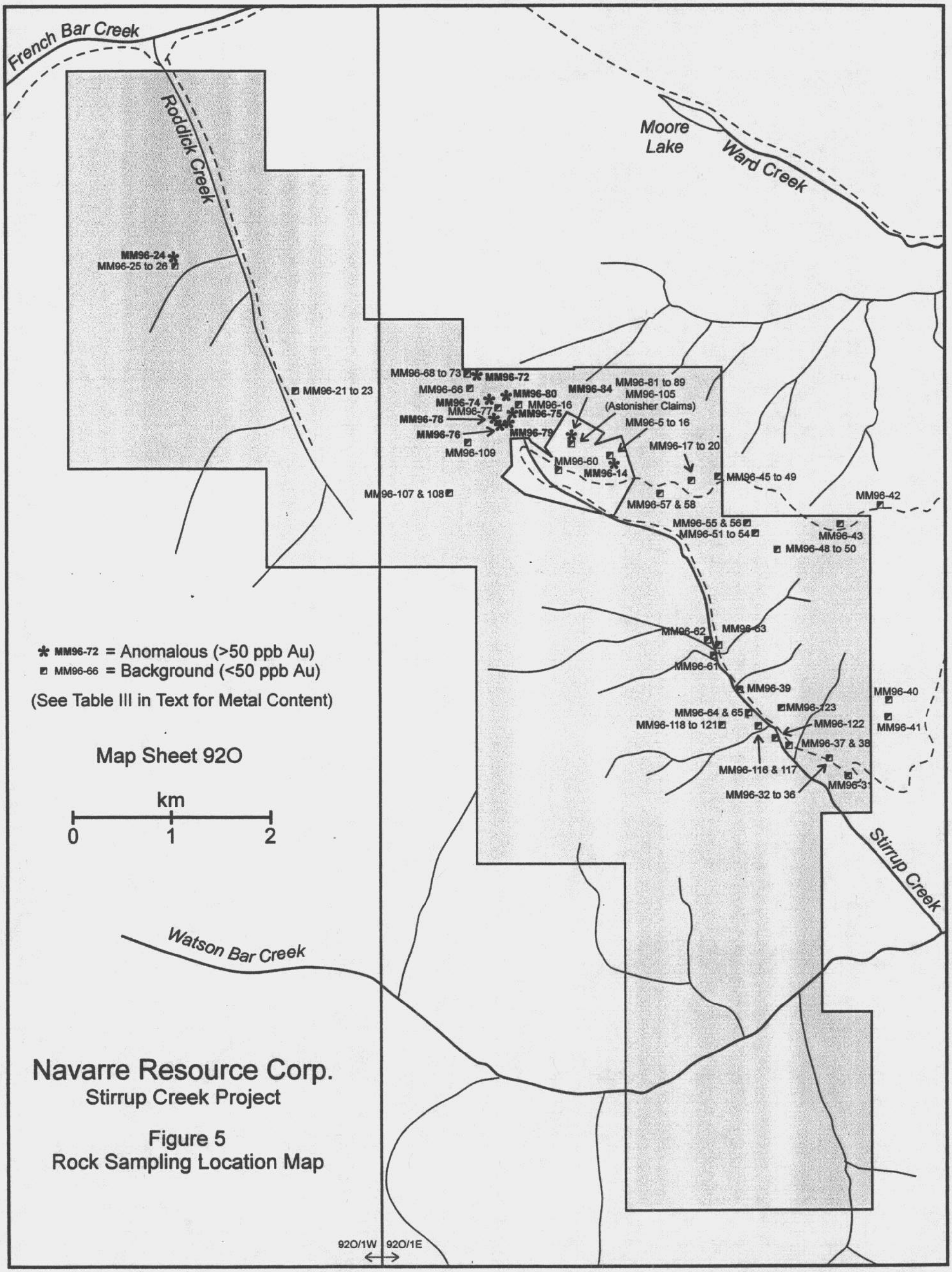

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Figure 5
Rock Sampling Location Map

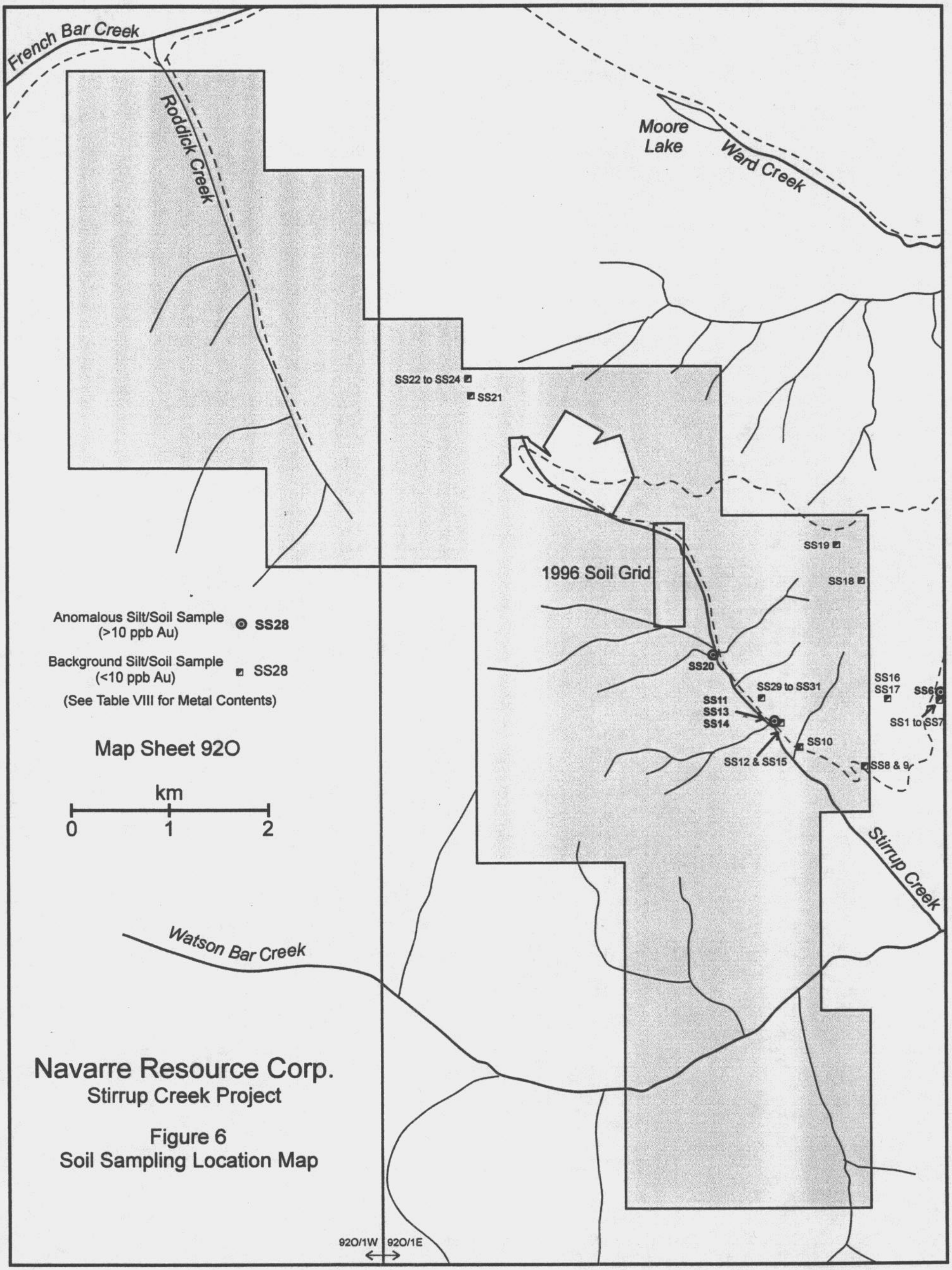
French Bar Creek
Roddick Creek
Moore
Lake
Ward Creek
SS22 to SS24
SS21
1996 Soil Grid
SS19
SS18
SS20
SS29 to SS31
SS11
SS13
SS14
SS12 & SS15
SS10
SS16
SS17
SS6
SS1 to SS7
SS8 & 9
Stirrup Creek
Watson Bar Creek
Anomalous Silt/Soil Sample
(>10 ppb Au)
SS28
Background Silt/Soil Sample
(<10 ppb Au)
SS28
(See Table VIII for Metal Contents)
Map Sheet 92O
km
0
1
2
92O/1W
92O/1E
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Figure 6
Soil Sampling Location Map

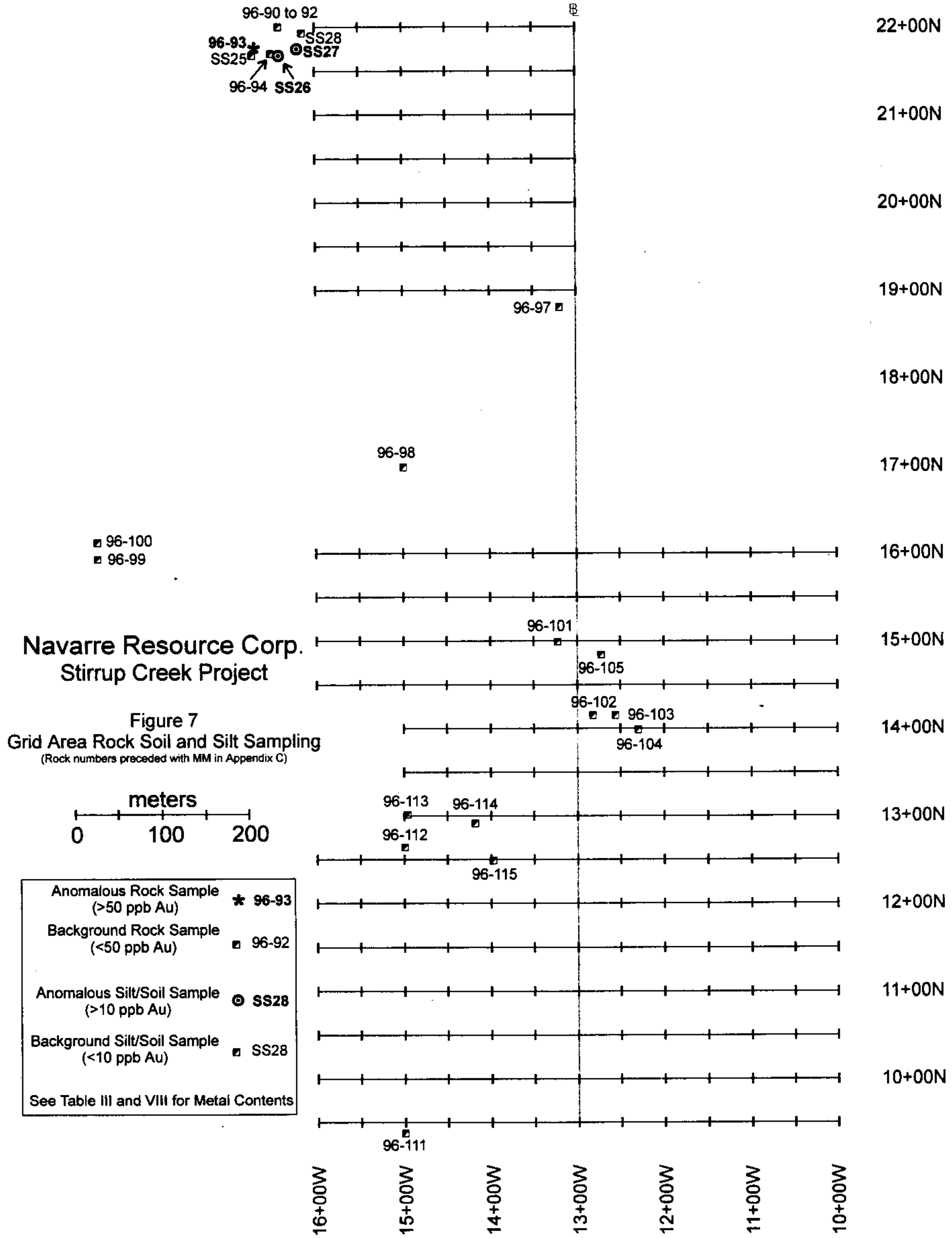

Figure 7
Grid Area Rock Soil and Silt Sampling
(Rock numbers preceded with MM in Appendix C)

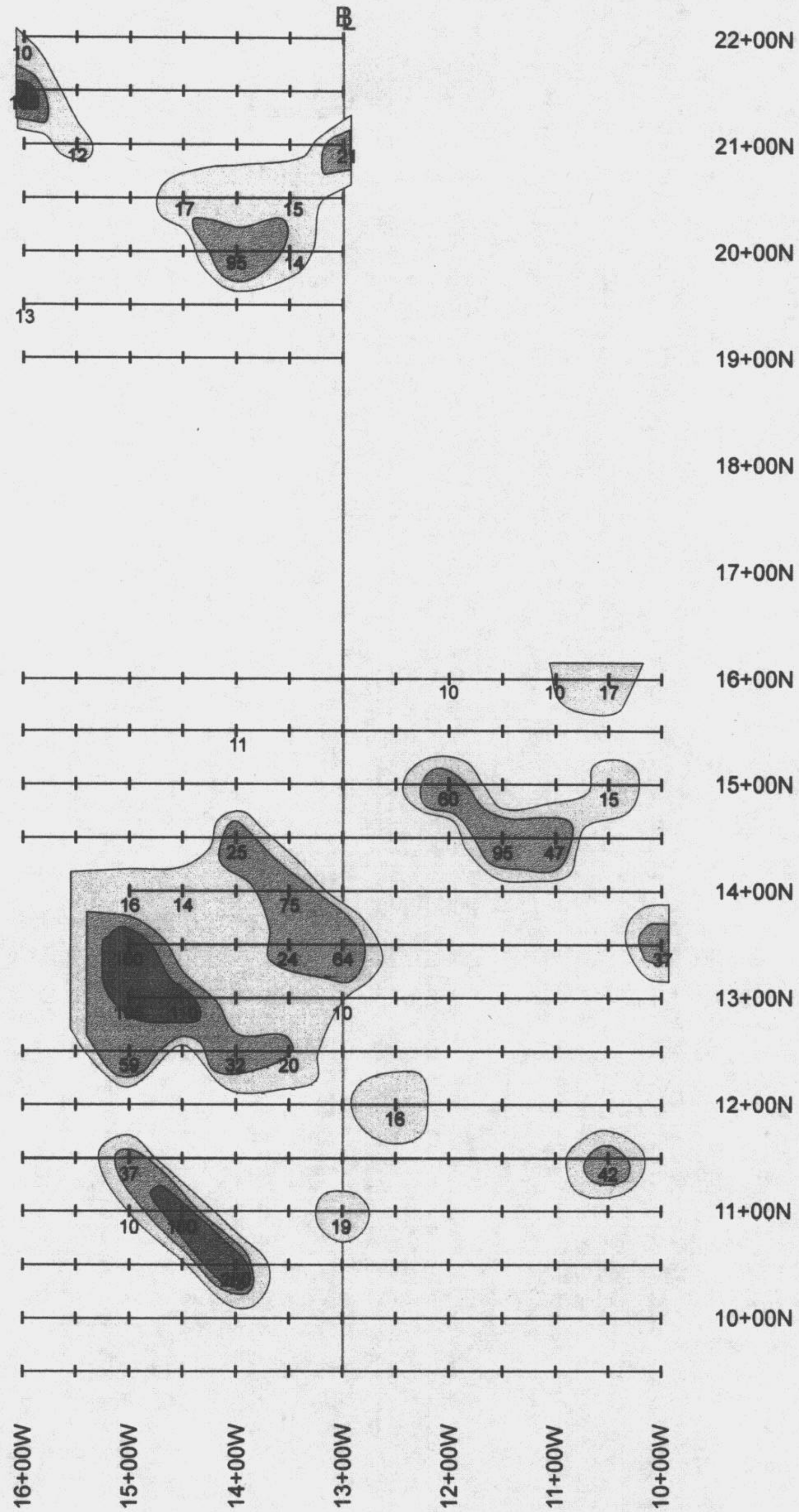

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Figure 8
Grid Au in Soils

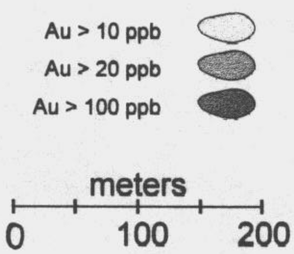

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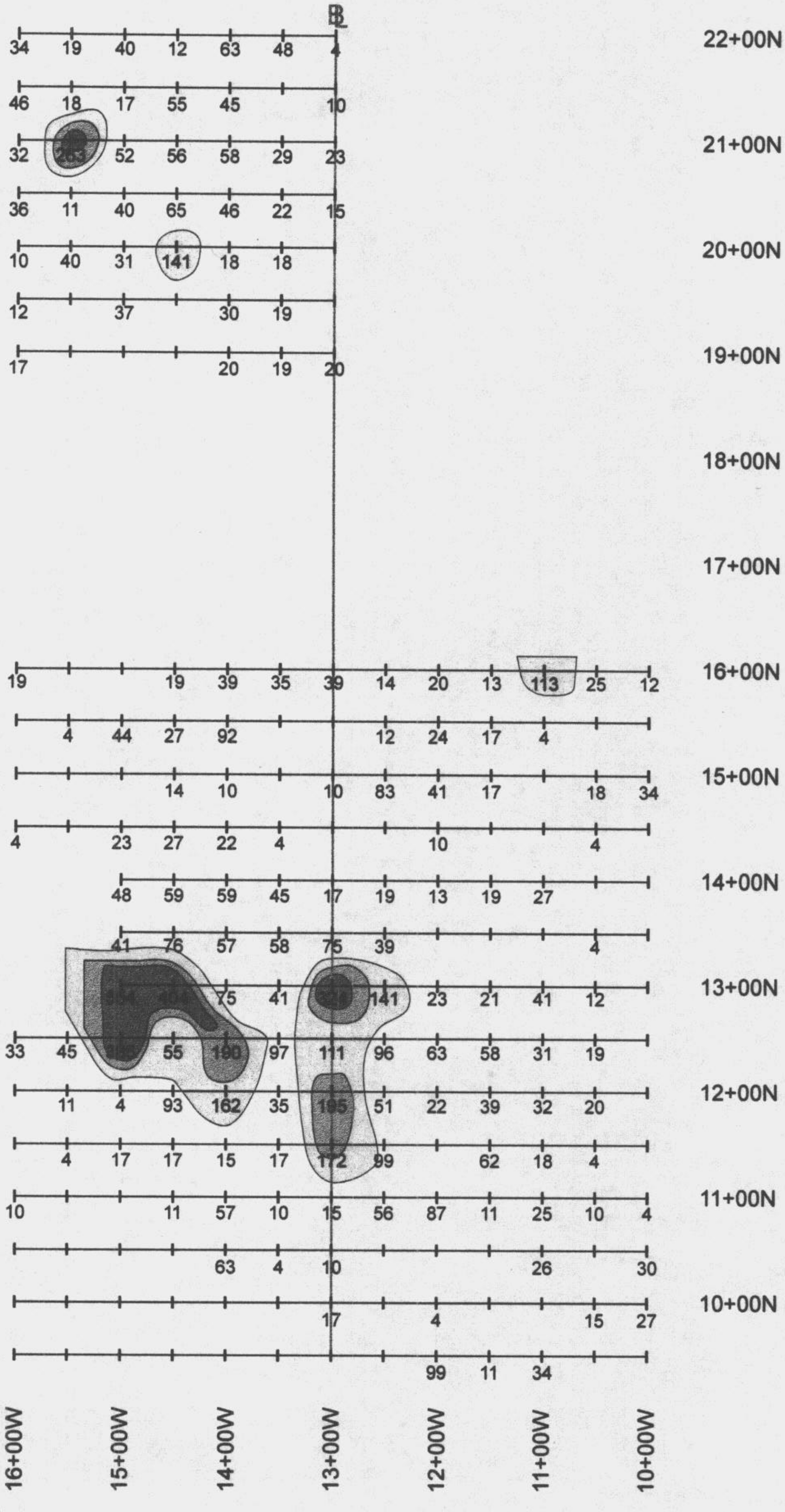
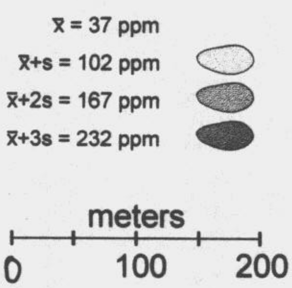
Figure 9
Grid As in Soils





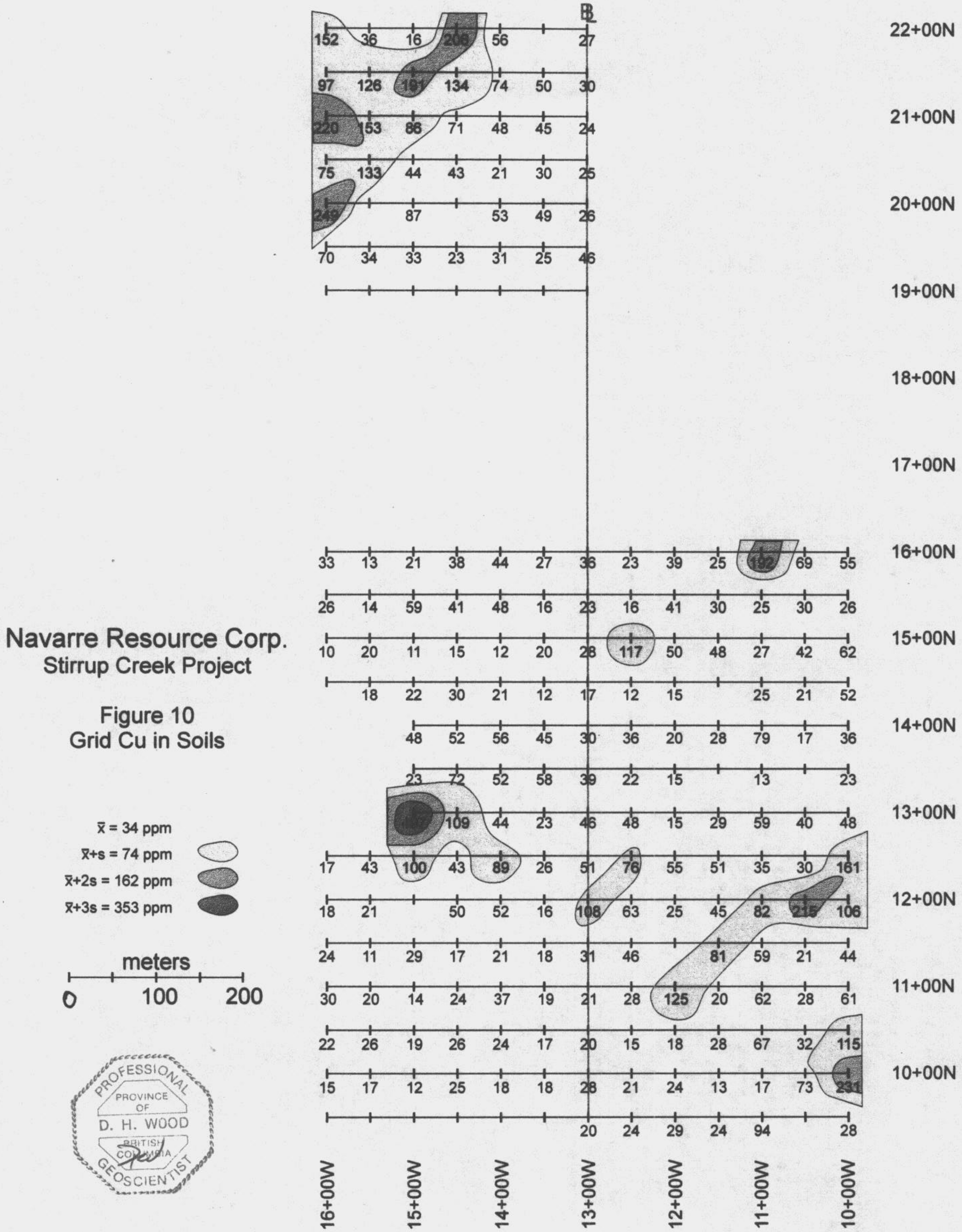


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Figure 10
Grid Cu in Soils
x̄ = 34 ppm
x̄+s = 74 ppm
x̄+2s = 162 ppm
x̄+3s = 353 ppm
meters
0 100 200
BL
22+00N
21+00N
20+00N
19+00N
18+00N
17+00N
16+00N
15+00N
14+00N
13+00N
12+00N
11+00N
10+00N
152 36 16 206 56 27
97 126 191 134 74 50 30
220 153 86 71 48 45 24
75 133 44 43 21 30 25
249 87 53 49 26
70 34 33 23 31 25 46
33 13 21 38 44 27 36 23 39 25 192 69 55
26 14 59 41 48 16 23 16 41 30 25 30 26
10 20 11 15 12 20 28 117 50 48 27 42 62
18 22 30 21 12 17 12 15 25 21 52
48 52 56 45 30 36 20 28 79 17 36
23 72 52 58 39 22 15 13 23
109 44 23 46 48 15 29 59 40 48
17 43 100 43 89 26 51 76 55 51 35 30 161
18 21 50 52 16 108 63 25 45 82 215 106
24 11 29 17 21 18 31 46 81 59 21 44
30 20 14 24 37 19 21 28 125 20 62 28 61
22 26 19 26 24 17 20 15 18 28 67 32 115
15 17 12 25 18 18 28 21 24 13 17 73 231
20 24 29 24 94 28
16+00W
15+00W
14+00W
13+00W
12+00W
11+00W
10+00W
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Figure 11
Grid Geochemistry Composite

Cu > 162 ppm
As > 167 ppm
Au > 20 ppb
Au and As Anomalous
Au, As and Cu Anomalous

meters
0 100 200

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