GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL

ASSESSMENT REPORT

ON THE

BULL PROPERTY

Slocan Mining Division
NTS 82K/4W
Latitude 50° 15' Longitude 117° 50'

Owner & Operator:
Teck Corp.
#600,200 Burrard St.
Vancouver , B.C.
V6C 3L9

G.Evans
November 1992
Kamloops, B.C.

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APPENDICES

1. INTRODUCTION

During 1992, a program of geological mapping and sampling was carried out over the property with concurrent establishment of a grid used for soil sampling and a limited magnetometer survey .This work has been compiled at 1:10,000 with widespaced coverage of the entire property .

This property was staked to cover previously outlined silt and heavy mineral anomalies (1991) as part of a larger regional program . The target is a Shuswap Zn-Pb-Ag deposit in these rocks which are correlated with the stratigraphy hosting the Big Ledge stratigraphy .

This report describes the present program and results .

2. LOCATION AND ACCESS (Fig.1)

The Bull claim block is located near the west shore of Arrow Lake approximately nine kilometers W-NW of the community of Nakusp (82K/4W) 50°15'N and 117°50' West . The property is 21.4 kilometers by road north of the Arrow Park ferry landing along the Saddle Mtn. road . Several old logging roads from this point access the central and northwestern portions of the property ,these include the Low Pass and Cameron Lake roads .

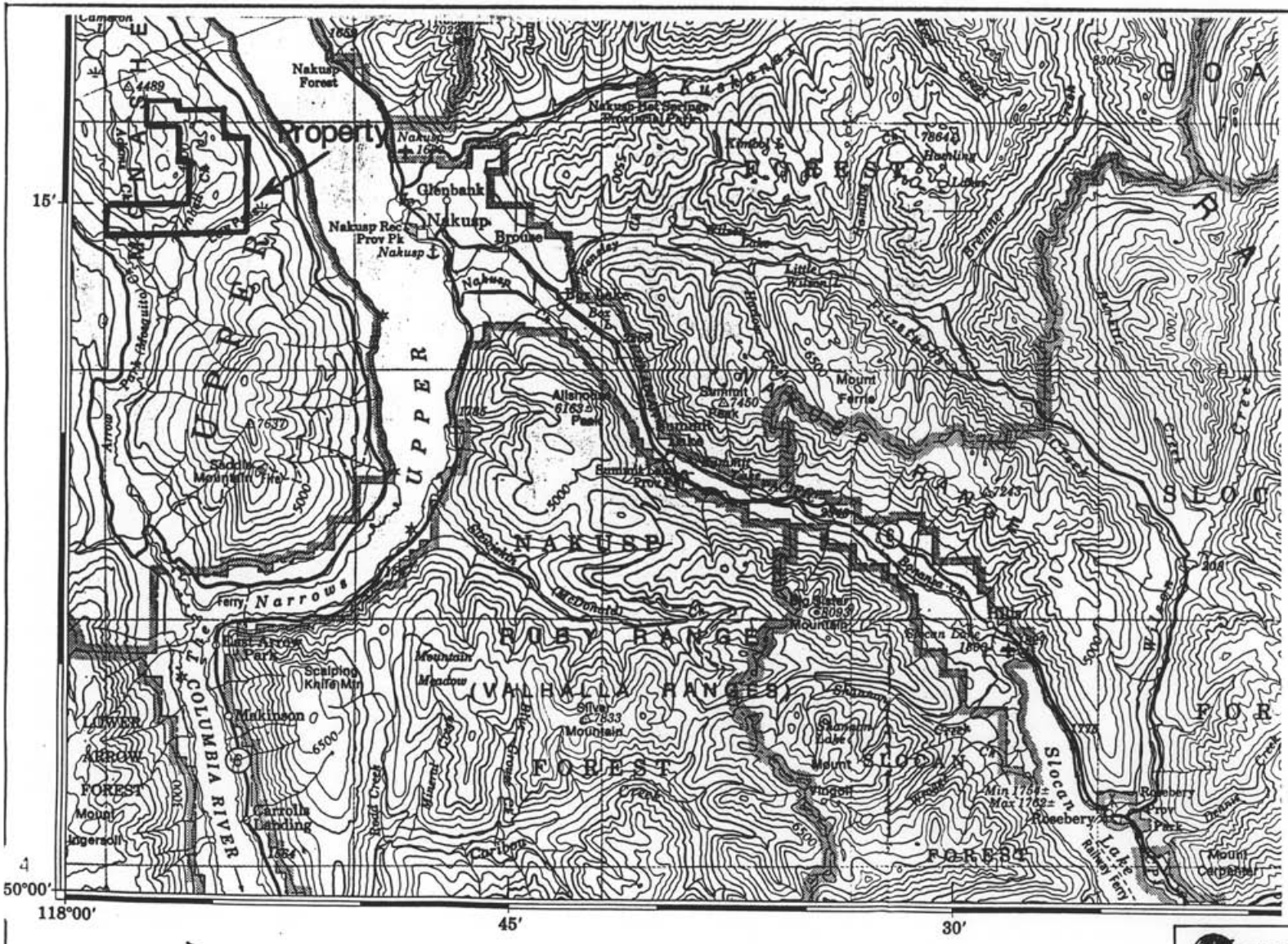
3. TOPOGRAPHY AND VEGETATION

The property is located in the upper Arrow Lake region to the east of the Monashee mountain range . The eastern portion of the property is located along the moderately steep western shore of Arrow lake at an elevation ranging from 800 -1600 meters . The central and western portions of the property are located on a low mountain range between Arrow Lake and Mosquito Creek valley .

Vegetation consists of fir and cedar forest with open underbrush at lower elevations , changing to sub-alpine spruce forests at upper elevations . The main land use has been extensive logging . Rainfall is moderate-high in this area which is generally snow covered from October to April.

4. CLAIMS (Fig.2)

The Bull claim group is located in the Slocan Mining Division and consists of 92 contiguous units . The property is owned by Teck Corporation of Vancouver . The pertinent data is included in the following table :



N

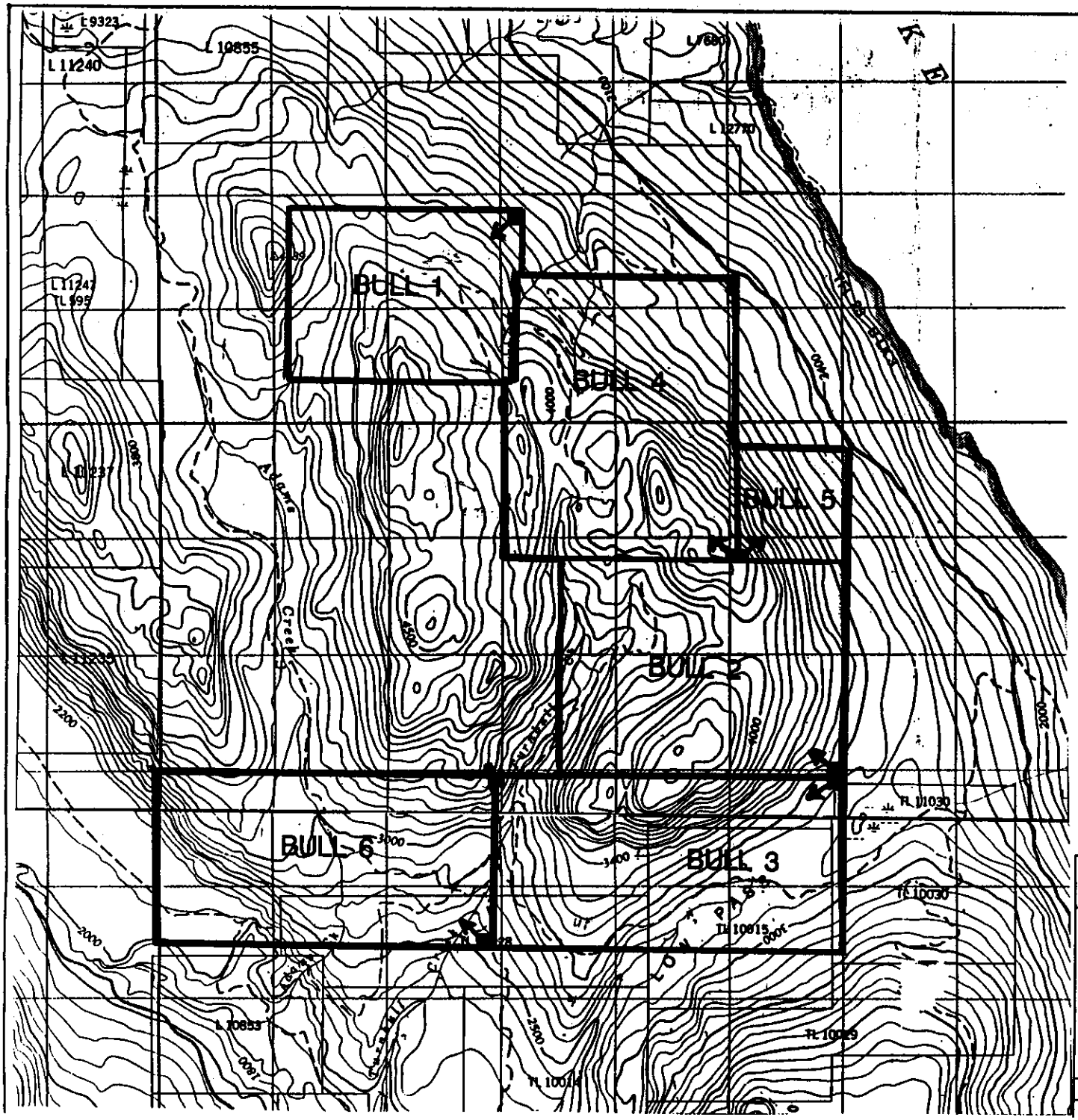
1:250,000

TECK EXPLORATION LTD.

PROPERTY LOCATION MAP

82K

Fig.1



1:50,000

TECK EXPLORATION LTD.

CLAIM MAP

Fig. 2

BULL CLAIM GROUP

Claim Name	Record #	No.of Units	Record Date	Expiry Date *
Bull 1	304371	12	09/12/91	09/12/94
Bull 2	304372	20	09/10/91	09/10/94
Bull 3	304373	18	09/09/91	09/09/94
Bull 4	304374	20	09/11/91	09/11/94
Bull 5	304463	4	09/10/91	09/10/94
Bull 6	305086	18	09/06/91	09/06/94

TOTAL = 92 units

* Upon acceptance of this report .

5. PREVIOUS WORK and HISTORY

The property was staked on the basis of multi-element silt and heavy-mineral anomalies outlined in 1991 on a regional program . No previous work is recorded although old claim posts were located on the property .

6. 1992 WORK

The following work was completed on the property :

1) Compassed and flagged grid lines spaced 200-1000 meters apart with stations every 25 meters . Total of 19.9 Km's of grid lines .

2) Soil samples collected every 50 meters along the lines and analyzed for 30 element ICP. Total of 412 soil samples .

3) A magnetometer survey over some of the grid lines with readings taken at 25 meter stations . Total of 3.00 Km's of mag.

4) Geological mapping of the property at 1:10,000 scale (23 square km's) .12 rock samples were taken during the program and analyzed for 30 element ICP.

7. GEOLOGY

a) REGIONAL GEOLOGY (Fig.3)

This area has seen relatively little regional mapping with O.F. 464 by P.B. Read (1:125,000 scale) providing the foundation along with more recent work by Sharon Carr . The area is largely underlain by Shuswap metamorphic rocks intruded by Cretaceous - Eocene granodiorites and pegmatites.

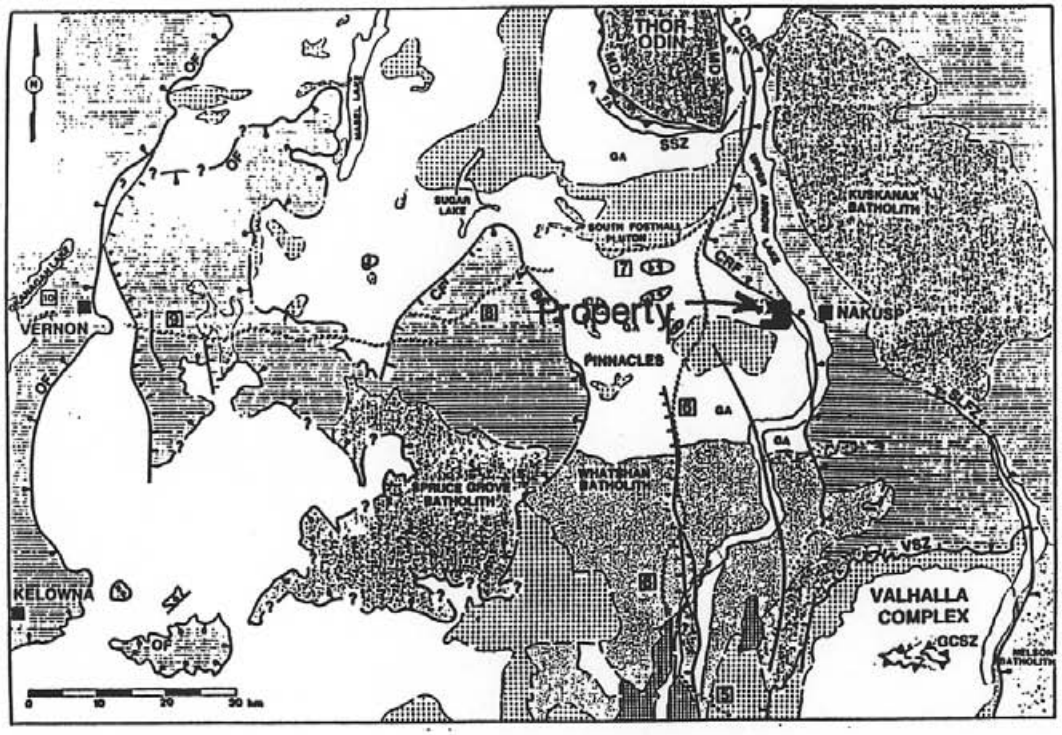
The Shuswap metamorphic rocks belong to the Proterozoic - Mesozoic amphibolite grade complex . Ages of the rocks in the area of the property are poorly understood but recent work by S.Carr suggests much of the thick sequence correlates with the Gold Range assemblage which hosts the Big Ledge deposit 15 kilometers to the north . Recent Lithoprobe work indicates a hidden thrust sheet is present below the Pinnacles area which has lifted the Ledge stratigraphy up to surface in the area of the Bull property .

A variety of rocks form a thick overlying sequence consisting of quartzites , marbles , pelites and biotite gneisses in various proportions . These rocks have a complex structural history with at least three phases of folding and several stages of faulting . It is believed the pegmatite dyke swarms and various granodiorite to monzonite intrusives are related to the Eocene Ladybird Pegmatite formed during the unroofing of the complex . To the north and east of the property the low angle Columbia River Fault has preserved overlying Jurrassic? sediments and volcanics with a regional metamorphic grade of greenschist facies .

b) PROPERTY GEOLOGY (Fig.4)

Greater than 60% of the surface of the Bull property is covered with overburden so that outcrop is limited to cliff faces , road cuts and ridges . Only brief mapping was carried out in the time available and plotted on a 1:10,000 base map covering as much of the property as time permitted .

The property is dominated by quartzites and biotite schists which commonly contain 1-2% disseminated pyrite and pyrrhotite forming large gossanous areas which comprise a thick "central " panel of stratigraphy .



From Carr, 1989

LEGEND

UPPER CRUSTAL ZONE

- MIDDLE JURASSIC NELSON INTRUSIVE SUITE: predominantly granodiorite
- PALEOZOIC - LOWER JURASSIC STRATIFIED ROCKS:

MIDDLE CRUSTAL ZONE

- LATE PALEOCENE - EARLY EOCENE LADYBIRD GRANITE SUITE: biotite granite, quartz monzonite, leucocratic pegmatite (also includes areas with pegmatite with <50% metamorphic rocks
- LATE CRETACEOUS WHATSHAN BATHOLITH (includes Cariboo Creek stock): hornblende biotite bearing K-feldspar megacrystic quartz monzonite, mafic hornblende biotite diorite
- LATE PROTEROZOIC - MESOZOIC AMPHIBOLITE FACIES METAMORPHIC ROCKS: FA = Fawn Lake assemblage; GA = Gold Range assemblage

BASEMENT ZONE

- PROTEROZOIC CRYSTALLINE BASEMENT AND LATE PROTEROZOIC - (?) CAMBRIAN COVER GNEISSES

- GEOLOGIC CONTACT; MAPPED, COMPILED FROM PUBLISHED MAPS, ASSUMED
- LOW - MODERATE ANGLE EOCENE NORMAL FAULT (PEGS ON HANGING WALL)
- STEEP EOCENE NORMAL FAULT (PEGS ON HANGING WALL)
- STEEP EOCENE NORMAL FAULT; SENSE OF DISPLACEMENT UNCERTAIN
- 6 LITHOPROBE LINE

BF	BEAVEN FAULT
CF	CHERRYVILLE FAULT
CRF	COLUMBIA RIVER FAULT
GCSZ	GWILLIM CREEK SHEAR ZONES
MD	MONASHEE DECOLLEMENT
OF	OKANAGAN VALLEY - EAGLE RIVER FAULT SYSTEM
SLFZ	SIOCAN LAKE FAULT ZONE
SSZ	SLATE MOUNTAIN SHEAR ZONE
VSZ	VALKYR SHEAR ZONE

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REGIONAL GEOLOGY

Fig.3

This thick sequence appears to be underlain by a more complex sequence labelled the "lower panel" consisting of biotite schists, quartzites, marbles and amphibolites forming a basal sequence which is poorly exposed . These sections are in turn structurally overlain by a monotonous sequence of barren quartzites and biotite gneisses .

These rocks appear to form a broad synform with a W-NW trending axial plane with a shallow plunge to the NW . In the area of Bull 4 the rocks appear to form a much tighter antiform of an isoclinal nature trending NW with a northwesterly plunge . The broad synform is likely related to the buried thrust sheet identified by Sharon Carr in the Lithoprobe work . On an outcrop scale folding is complex with both broad folds present superimposed on tight isoclinal folds . The northern and northeastern edge of the property contain the surface trace of the low angle Columbia River Fault which seperates a thick sequence of graphitic argillites from the underlying Shuswap sequence . Several late north trending normal faults appear to offset the Shuswap stratigraphy along linear features including Turnbull and Adams Creek .

Ladybird intrusives mainly in the form of pegmatite sills and dykes are common throughout the property . The only possible pegmatite - monzonite stock is present near the LCP of Bull 2 & 3 . This stock appears to occupy the core of the broad synform covering an area of up to one square kilometer.

As previously mentioned quartzites and biotite schists of the central panel commonly are gossanous and contain trace to 5% disseminated py, po . The target is a Zn-Pb-Ag Shuswap type deposit in this setting which is believed to be the stratigraphy hosting the Big Ledge deposit . It is difficult to correlate the stratigraphy of the Big ledge area to that of the Bull property . Marbles are present on the Bull property but not with the thicknesses seen at Big Ledge (ie Empress Marble) . The poorly exposed "lower " panel stratigraphy with its complexity best correlates to the stratigraphy seen at Big Ledge . Rock sampling to date has seen only a couple of anomalous values in Zn (sample #' 27281 and 82) ran .48% and 1.14% Zn respectively . These biotite schists come from L6 and maybe the source of the Zn soil anomaly . This sequence is a portion of the "central" panel .

SHUSWAP ROCK UNIT DESCRIPTIONS

These units are subdivided into general ages but Shuswap rocks are ordered by lithology with no stratigraphic order:

SHUSWAP ROCKS (Proterozoic - Mesozoic)

Unit 1a) - Masive Amphibolite -A medium-coarse grained groundmass dominated by amphiboles with lesser amounts of biotite and plagioclase . Commonly contains varying amounts of .5-2.0 cm almandine garnets in layered amphibolites .

Unit 1b) - Amphibolite w/ Calc-silicate Laminations - The same amphibolite unit as 1a) with alternating bands of quartzites with diopside - tremolite and actinolite . Laminations generally on a one centimeter scale or less .

Unit 1c) - Amphibolite w/ Biotite Schist - The protolith of this unit is likely a mixture of mafic tuffs and pelitic sediments . The resultant metamorphic rock is a mixture of medium grained amphibolites containing an equal amount of micas (both biotite and muscovite) . This rocktype commonly contains sillimanite aggregates .

Unit 2) - Biotite Schist - Well laminated biotite with lesser muscovite bearing schists . Can contain quartzite laminations and occasionally 0.5 cm. almandine garnets . Commonly the surface is strongly gossanous due to the high iron content and trace amounts of disseminated pyrite and pyrrhotite are present .

Unit 3) - Biotite Gneiss - Matrix is dominated by finely laminated medium grained white - grey quartzite with 20-30% biotite schist laminations varying in thickness from 0.5-10.0 cm.

Unit 4) - Quartzite - Medium grained quartzite grains form beds 10-20 cm. in thickness , which display bedding with preferential weathering of certain beds due to change in grain size and carbonate content . Color varies from white to buff or a grey color . Minor rutile , biotite and muscovite grains are present .

Unit 4a) - Quartzite w/ Flake Graphite - Dull grey colored fine grained quartzite with trace-20% disseminated flake graphite grains . Commonly contains 2 - 10% disseminated pyrite and pyrrhotite with trace amounts of disseminated sphalerite .

Unit 4b) - Quartzite w/ Calcsilicate Laminations - Medium grained quartzite takes on a light green color with diopside in the matrix .

Occasional laminations of calcsilicates consisting of diopside, tremolite and actinolite . Calcsilicates contain minor grains of rutile, muscovite and biotite .

Unit 5) - Marble - Marble units normally appear as grey massive weathered units grading to dark grey with increasing graphite component . Calcite grains are 1-3mm and bedding is usually apparent with graphitic beds or minor calcsilicate laminations . Occasionally flake graphite disseminations are present within the marble .

Unit 5a) - Calcsilicates +/- Marble - These rocks are a pale green color with beds and pods of marble preferentially eroded . The calcsilicates consist of impure quartzites containing diopside, amphiboles, biotite with minor rutile and muscovite.

JURRASSIC ROCKS (above Columbia and Okanogan Faults)

Unit 6) - Argillite - Graphitic argillite and phyllite with strong slaty cleavage . Bedding is preserved with interbedded graywackes common .

Unit 6a) - Mafic Volcanics - Pervasive chlorite alteration to various mafic volcanic units with a strong schistosity developed . Remnant textures include laminated tuffs , vesicular flows and lappili tuffs .

TERTIARY LADYBIRD LEUCOGRANITE SUITE

Unit 7) - Pegmatites - Coarse grained dykes sills and small plugs of pegmatites are common throughout all rocktypes . Normally the rock is dominated by 0.5 - 1.0 cm. crystals of quartz, alkali feldspars and plagioclase . Varying lesser amounts of biotite, muscovite and tourmaline are also present.

Unit 7a) - Ladybird Granites - These form fine to medium grained stocks and plutons . Compositionally these rocks range from granite to quartz monzonite . Minerals consist of plagioclase alkali feldspar and quartz with access muscovite biotite and occasionally garnet .

EOCENE DYKES

Unit 8) - Lamprophyre Dykes - Occassional unaltered extremely mafic dykes are present . Matrix is a dark brown fine grained biotite , amphibole and mafic minerals with ocassional vesicles and calcite filled amygdules .

8. SOIL GEOCHEMISTRY

Samples were collected along 14 lines spaced at right angles to the stratigraphy every 50 meters for a total of 412 samples . Samples were collected from the B horizon which varied in depth from 25-80 cm's and sample details were noted at each site .

Samples were sent to Echo-Tech Labs Laboratories Ltd. in Kamloops B.C. and were analyzed for the 30 element ICP package . This package includes Zn, Cd, Pb, Ag, Cu, Ni, Ca, Mg, Fe, Mn, Mo, V, Co, Cr, Bi, As, Sb, Ba, Al, K, Na, Sr, Sn, W, La, Y, B, P, Ti, and U. See the appendix #IV for details of the analytical procedure .

Results were put through a preliminary statistical package to determine useful elements which were plotted on the maps included in this report . These include Pb, Zn, Ni, Mn and Ag .

SOIL STATISTICS FOR THE BULL PROPERTY

PERCENTILE	Zn(ppm)	Pb(ppm)	Ag(ppm)	Mn(ppm)	Ni(ppm)
Minimum	16	<2	<.2	35	2
75%	248	10	.2	498	59
95%	466	18	.4	988	145
Maximum	1434	76	1.8	6836	503

Zinc outlines several anomalous horizons in both the "lower" and "central" panels . L1, 1A, and 9 outline targets near marble horizons in the lower panel with Zinc values in the 400 -1400 ppm range . In the upper panel L3 - 6 outline a zinc anomaly underlain by gossanous quartzites and biotite schists with values in the 400-800 ppm range . Lead shows a weak correlation with zinc with the most pronounced anomalies in the central panel (L6 & 11) . Silver outlined only occasional point anomalies which correspond to the Zn, Pb anomalies (ie. L1,6 and 11) .

Nickel shows several strong anomalies in the lower panel which correspond to Zn-Pb anomalies ie. L1, 1A, 9, 11 ,but the elevated Ni values may in part be related to elevated Ni values within the amphibolites in these areas . Ni also shows anomalous areas in the central panel which correspond to Zn-Pb anomalies ie.L6 .

Mn also has strong anomalies in both the lower and central panel which correspond to Zn-Pb anomalies but also has several spurious anomalies which maybe related to lithology rather than alteration . Other elements not plotted but which appear to correspond with the Pb-Zn anomalies include Cd, Fe, V, and possibly Ba .

The Zn, Pb, Ag soil anomaly in the central portion of L6 corresponds to Zn anomalies in biotite schists which maybe the source of this anomaly .

9. MAGNETOMETER SURVEY

Magnetic surveys have proved quite effective at locating Shuswap style mineralization . In 1992 a Geometrics Model G-816 portable proton magnetometer was used on a few grid lines with multiple readings taken at every 25 meter station (Total of 3.00 Km's along L4, 7, and 11) . For drift corrections base station points were established and daily and hourly corrections were made where necessary .

No plots were made of these recce lines but they do indicate a background of approximately 57,500 gammas . From this a contrast of as much as 1500+ gammas has been seen over pyrrhotite bearing biotite schists but the magnetic anomalies do not show a clear relationship to the soil anomalies . Other lines such as L4 showed a magnetic contrast of only 500 gammas over anomalous soils . These recce. lines did not clearly define targets that would appear to represent Shuswap style mineraliztion . On the other hand the very limited testing does not exclude the potential for Shuswap style targets being present .

10. CONCLUSIONS AND RECOMMENDATIONS

The Bull property covers a package of stratigraphy which possibly correlates to stratigraphy hosting Shuswap type Pb-Zn mineraliztion at the Big Ledge deposit located 15 kilometers to the north . In particular the "lower" panel has the strongest similarities to the Big Ledge stratigraphy .

Several widespaced soil geochemical anomalies (Zn, Pb, Ag, Ni, and Mn) are present in both the "lower" and "central" panel sequences . The limited magnetometer survey does not correspond very well with the soil anomalies . Rock sampling to date in the areas of the soil anomalies has only provided anomalies in biotite schists on L6 below a Zn, Pb and Ag soil anomaly . Values to 1.14% Zn in this "central" panel sequence should be folowed up .

Future work is required to identify the source of the soil geochemical anomalies . Several anomalies are underlain by extensive outcrop exposure and further prospecting and rock sampling in these areas should resolve the question . This work should at least uncover float or subcrop sources of the anomalies (eg. L.1, 1A, 5 and particularly 6) .

REFERENCES

S. Carr — Implications of Ladybird granite in the Thor-Odin - -Pinnacles area, pp.79 ,GSC 89-1E Current Research .

P. Read — G.S.C.-O.F.# 464 Lardeau - West Half

J.E. Reesor and J.M. Moore Jr. — G.S.C. Bulletin #195 Petrology and structure of Thor-Odin Gneiss Dome ,Shuswap Metamorphic Complex .

APPENDIX 1

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I , Graeme Evans , do certify that:

1) I am a geologist and have practiced my profession for the last ten years .

2) I graduated from the University of British Columbia , Vancouver , British Columbia with a Bachelor of Science degree in Geology (1983).

3) I was actively involved and supervised the Bull program and authored the report herein .

4) All data contained in this report and conclusions drawn from it are true and accurate to the best of my knowledge.

5) I hold no personal interest, direct or indirect in the Bull property which is the subject of this report .

Graeme Evans
Project Geologist
November , 1992

APENDIX II

Cost Statement

STATEMENT OF EXPENDITURE

1. GEOLOGY	
Fred Daley (Exploration Manager)	
1 Day @ $311.20 /day	$ 311.20
Graeme Evans (Project Geologist)	
7 Days @ $271.15 /day (June 22-28)	$1898.05
Hugh Stewart (U.B.C. Eng. Student)	
7 Days @ $195.75 /day (June 22-28)	$ 955.00
2. SOIL SURVEY & GRID WORK	
Discovery Consultants Crew (3 Men)	
20 Man Days + Vehicles + Accom.	$8115.00
3. ANALYTICAL COSTS	
412 Soil Samples for 30 element ICP	
@ Echo-Tech Labs $ 7.28 /sample	$2999.36
4. TRANSPORTATION	
7 Days @ $70 /Day	$ 490.00
6. FOOD & ACCOMMADATION	
14 Man Days @ $ 60/day	$ 840.00
7. PROCESSING DATA & REPORT	
Base Map & Soil Compilation	
Steve Archibald 6 days @ $180/day	$ 1080.00
Report Writing & Preparation	
Graeme Evans 3 Days/ $271.15	$ 813.45
Prints , Copies & Materials	$ 280.00
TOTAL	**$17,782.06**

APENDIX III

Certificate of Analysis

Date of Report: 14-Jul-92 Project 318 BULL

Soil Sampling Results
1992

Reference: 92etk-280, 92etk-291

Sample ID			Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
0063	L 1	0+00W	165	<1	6	0.2	23	57	0.37	0.53	2.91	188	<1	49	16	35	<5
0064	L 1	0+50W	426	1	4	<0.2	36	163	1.36	0.72	2.68	241	<1	57	13	43	<5
0065	L 1	1+00W	101	<1	2	<0.2	27	38	0.20	0.50	2.31	180	<1	50	14	34	<5
0066	L 1	1+50W	86	<1	2	<0.2	38	41	0.16	0.53	2.45	143	1	59	13	39	<5
0067	L 1	2+00W	176	1	16	<0.2	65	59	0.49	0.82	4.00	945	1	86	25	53	<5
0068	L 1	2+50W	200	<1	10	<0.2	38	55	0.46	0.76	3.53	357	1	67	24	46	<5
0069	L 1	3+00W	116	<1	8	<0.2	21	36	0.37	0.62	2.73	241	<1	52	14	33	<5
0070	L 1	3+50W	256	3	6	1.0	47	161	0.88	0.61	4.19	158	6	95	21	77	<5
0071	L 1	4+00W	298	3	2	<0.2	57	142	0.69	0.82	3.94	216	6	129	22	81	<5
0072	L 1	4+50W	150	3	6	0.4	41	93	0.78	0.53	4.66	385	2	80	23	40	<5
0073	L 1	5+00W	272	4	2	0.4	43	87	1.52	0.11	3.73	173	22	44	18	17	<5
0074	L 1	5+50W	190	1	4	<0.2	50	67	0.33	0.87	3.29	285	2	85	18	57	<5
0075	L 1	6+00W	249	3	6	0.8	51	189	0.76	0.70	3.38	227	4	69	23	80	<5
0076	L 1	6+50W	303	1	8	<0.2	22	99	1.03	0.67	3.33	675	<1	66	31	106	<5
0077	L 1	7+00W	317	1	10	<0.2	33	110	1.15	0.67	3.55	680	1	117	30	104	<5
0078	L 1	7+50W	337	2	10	0.2	57	143	0.82	1.25	6.10	870	2	103	37	95	<5
0079	L 1	8+00W	248	2	8	<0.2	43	118	0.49	1.68	4.03	824	<1	122	30	138	<5
0080	L 1	8+50W	199	<1	8	<0.2	33	58	0.34	0.70	3.19	296	1	71	18	57	<5
0081	L 1	9+00W	1434	7	12	<0.2	56	341	1.43	1.57	4.89	1702	1	139	30	107	<5
0082	L 1	9+50W	259	1	8	<0.2	55	215	0.51	1.29	4.50	446	1	97	34	97	<5
0083	L 1	10+00W	325	2	8	<0.2	38	221	0.48	1.11	4.10	909	<1	92	26	127	<5
0084	L 1	10+50W	196	1	4	<0.2	14	48	0.27	0.57	2.63	585	<1	55	15	52	<5
0085	L 1	11+00W	134	<1	4	<0.2	21	54	0.26	0.58	2.71	257	<1	56	15	48	<5
0086	L 1	11+50W	115	<1	4	<0.2	29	46	0.28	0.58	2.64	200	<1	54	14	45	<5
0087	L 1	12+00W	203	1	6	<0.2	32	90	0.37	1.39	4.48	436	<1	131	23	152	<5
0088	L 1	12+50W	152	1	6	<0.2	19	68	0.48	0.89	3.27	242	<1	67	17	59	<5
0089	L 1	13+00W	296	1	6	<0.2	36	86	0.40	2.49	6.08	520	<1	220	30	308	5
0090	L 1	13+50W	160	<1	4	<0.2	55	105	0.36	2.98	6.51	529	1	215	40	341	5
0091	L 1	14+00W	197	<1	2	<0.2	61	90	0.31	2.26	6.48	875	2	215	29	248	5
0092	L 1	14+50W	156	<1	4	0.8	101	98	0.24	2.18	8.74	475	3	258	28	304	<5
0093	L 1	15+00W	208	<1	<2	1.4	120	132	0.14	1.96	8.45	365	3	195	35	177	<5
0094	L 1	15+50W	1113	10	6	0.2	62	74	0.39	1.14	10.29	438	3	317	22	101	<5
0095	L 1	16+00W	342	6	10	1.0	40	128	1.66	1.14	4.53	1930	<1	95	25	97	<5
0096	L 1	16+50W	178	1	8	<0.2	43	73	0.52	0.88	3.58	397	<1	74	20	68	<5
0097	L 1	17+00W	915	5	10	<0.2	51	170	0.27	1.20	5.70	439	1	109	28	85	<5
0098	L 1	17+50W	159	<1	4	<0.2	29	53	0.21	0.57	2.77	182	<1	57	14	44	<5
0099	L 1	18+00W	187	1	4	<0.2	42	83	0.35	1.07	4.27	380	<1	94	24	85	<5
0100	L 1	18+50W	247	1	4	<0.2	59	182	0.28	1.88	5.58	417	1	172	37	216	<5
0101	L 1	19+00W	424	3	4	<0.2	67	278	0.88	1.85	4.73	970	<1	139	47	243	<5

Project 318

Soil Sampling Results (part 2)

Sample ID	As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
0063 L 1 0+00W	<5	<5	200	2.59	0.16	0.01	23	<20	<10	<10	14	<2	870	0.15	<10
0064 L 1 0+50W	<5	<5	120	2.32	0.17	0.02	70	<20	<10	10	23	<2	3910	0.12	<10
0065 L 1 1+00W	<5	<5	180	1.42	0.11	<0.01	13	<20	<10	<10	10	<2	420	0.11	<10
0066 L 1 1+50W	<5	<5	140	1.47	0.13	<0.01	11	<20	<10	<10	10	<2	260	0.12	<10
0067 L 1 2+00W	<5	5	410	2.67	0.34	0.01	38	<20	<10	<10	16	2	1000	0.19	<10
0068 L 1 2+50W	<5	5	295	2.62	0.26	0.01	27	<20	<10	<10	16	2	1450	0.20	<10
0069 L 1 3+00W	<5	<5	245	2.24	0.36	0.01	24	<20	<10	<10	13	<2	530	0.16	<10
0070 L 1 3+50W	<5	<5	315	2.59	0.14	0.04	62	<20	<10	<10	12	2	1840	0.13	<10
0071 L 1 4+00W	<5	<5	200	1.80	0.14	0.03	40	<20	<10	<10	13	<2	1750	0.14	<10
0072 L 1 4+50W	<5	<5	130	1.86	0.06	0.03	31	<20	<10	10	14	<2	1010	0.09	<10
0073 L 1 5+00W	5	<5	75	1.24	0.03	0.05	97	<20	<10	20	28	<2	3950	0.03	<10
0074 L 1 5+50W	<5	<5	265	1.91	0.29	0.01	16	<20	<10	<10	14	<2	610	0.16	<10
0075 L 1 6+00W	<5	<5	265	2.72	0.13	0.02	33	<20	<10	10	24	<2	2400	0.13	<10
0076 L 1 6+50W	<5	<5	505	2.45	0.22	0.05	56	<20	<10	<10	16	2	1210	0.21	<10
0077 L 1 7+00W	<5	<5	410	2.12	0.24	0.06	63	<20	<10	<10	12	2	1040	0.17	<10
0078 L 1 7+50W	<5	5	625	4.07	0.18	0.02	66	<20	<10	10	17	2	2810	0.22	<10
0079 L 1 8+00W	<5	5	460	2.99	0.23	0.01	24	<20	<10	<10	23	<2	590	0.28	<10
0080 L 1 8+50W	<5	<5	295	2.84	0.19	0.01	18	<20	<10	<10	15	2	1170	0.18	<10
0081 L 1 9+00W	<5	5	855	2.99	0.28	0.02	29	<20	30	10	32	2	700	0.28	<10
0082 L 1 9+50W	<5	<5	1730	3.54	0.23	0.02	32	<20	<10	10	18	<2	570	0.20	<10
0083 L 1 10+00W	<5	<5	495	3.32	0.22	0.01	26	<20	<10	10	33	<2	840	0.22	<10
0084 L 1 10+50W	<5	<5	360	2.11	0.13	0.01	17	<20	<10	<10	14	<2	1320	0.14	<10
0085 L 1 11+00W	<5	<5	260	1.93	0.15	0.01	13	<20	<10	10	13	<2	590	0.13	<10
0086 L 1 11+50W	<5	<5	220	2.03	0.14	0.01	13	<20	<10	10	13	<2	590	0.13	<10
0087 L 1 12+00W	<5	<5	370	3.73	0.33	0.01	21	<20	<10	10	24	<2	1030	0.29	<10
0088 L 1 12+50W	<5	5	295	2.92	0.19	0.01	19	<20	<10	10	23	2	840	0.17	<10
0089 L 1 13+00W	<5	<5	1225	4.14	0.72	0.01	33	<20	<10	<10	22	<2	1860	0.36	<10
0090 L 1 13+50W	<5	<5	380	3.79	1.60	0.01	40	<20	<10	<10	32	<2	930	0.47	<10
0091 L 1 14+00W	<5	<5	700	3.61	1.20	0.01	32	<20	<10	<10	27	<2	610	0.40	<10
0092 L 1 14+50W	<5	<5	170	4.00	1.60	0.02	67	<20	<10	<10	28	<2	1070	0.43	<10
0093 L 1 15+00W	<5	<5	255	4.12	1.49	0.01	39	<20	<10	<10	30	<2	980	0.42	<10
0094 L 1 15+50W	20	<5	310	2.46	0.80	0.01	85	<20	10	<10	16	<2	3230	0.24	10
0095 L 1 16+00W	<5	<5	460	2.72	0.45	0.01	37	<20	<10	10	32	2	1600	0.20	<10
0096 L 1 16+50W	<5	5	310	2.67	0.27	0.01	24	<20	<10	10	24	2	850	0.17	<10
0097 L 1 17+00W	<5	<5	665	3.42	0.54	0.01	37	<20	10	<10	18	2	2250	0.26	<10
0098 L 1 17+50W	<5	<5	160	2.15	0.14	0.01	13	<20	<10	10	14	<2	590	0.13	<10
0099 L 1 18+00W	<5	<5	335	3.19	0.40	0.01	27	<20	<10	10	23	<2	490	0.22	<10
0100 L 1 18+50W	<5	<5	745	3.68	0.49	0.01	23	<20	<10	<10	20	<2	540	0.26	<10
0101 L 1 19+00W	<5	<5	595	3.36	0.61	0.03	44	<20	<10	<10	23	2	1050	0.27	<10

Date of Report: 14-Jul-92 Project 318 BULL

Soil Sampling Results
1992

Reference: 92etk-280, 92etk-291

Sample ID	Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
0032 L 1A 0+00S	132	<1	18	<0.2	11	25	0.07	0.26	2.83	120	1	48	10	25	<5
0033 L 1A 0+50S	52	<1	4	<0.2	8	14	0.10	0.29	1.98	103	<1	39	6	23	<5
0034 L 1A 1+00S	179	<1	4	<0.2	5	24	0.10	0.28	2.19	111	<1	35	7	23	<5
0035 L 1A 1+50S	97	<1	30	0.4	8	9	0.09	0.08	2.46	144	1	31	7	9	<5
0036 L 1A 2+00S	16	<1	4	<0.2	11	15	0.20	0.10	0.52	35	<1	13	2	8	<5
0037 L 1A 2+50S	146	<1	6	<0.2	12	25	0.11	0.31	2.71	296	<1	45	12	26	<5
0038 L 1A 3+00S	102	<1	4	0.2	22	26	0.13	0.43	2.50	267	<1	44	12	28	<5
0039 L 1A 3+50S	133	<1	8	<0.2	21	36	0.17	0.56	3.08	516	<1	66	17	49	<5
0040 L 1A 4+00S	259	<1	10	<0.2	42	81	0.18	1.37	5.79	548	2	250	24	198	5
0041 L 1A 4+50S	262	1	10	<0.2	22	136	0.21	1.02	3.66	632	<1	116	29	119	<5
0042 L 1A 5+00S	404	2	10	0.4	23	73	0.18	0.62	3.48	680	1	80	24	57	<5
0043 L 1A 5+50S	172	1	22	0.4	25	7	0.52	0.78	4.62	332	6	288	4	82	<5
0044 L 1A 6+00S	204	<1	8	0.2	32	42	0.26	0.87	3.89	343	1	99	14	56	<5
0045 L 1A 6+50S	185	<1	10	0.4	11	33	0.16	0.30	2.45	440	<1	40	13	26	<5
0046 L 1A 7+00S	188	<1	6	0.2	10	35	0.12	0.35	2.37	271	<1	38	12	32	<5
0047 L 1A 7+50S	92	<1	6	0.2	21	38	0.16	0.67	3.05	251	<1	75	14	78	<5
0048 L 1A 8+00S	147	<1	8	<0.2	45	36	0.13	2.84	6.84	628	3	282	21	377	5
0049 L 1A 8+50S	209	<1	4	0.2	18	103	0.28	0.63	3.07	387	<1	64	27	51	<5
0050 L 1A 9+00S	153	<1	2	<0.2	19	61	0.21	0.46	2.40	234	<1	50	14	35	<5
0051 L 1A 9+50S	242	1	6	0.2	15	54	0.22	0.53	2.67	308	<1	57	14	42	<5
0052 L 1A 10+00S	183	1	6	0.2	15	46	0.16	0.47	2.55	276	<1	53	13	39	<5
0053 L 1A 10+50S	181	1	8	0.2	20	44	0.19	0.51	2.69	290	1	55	14	38	<5
0054 L 1A 11+00S	162	<1	6	0.2	27	55	0.18	0.56	2.76	360	<1	62	15	47	<5
0055 L 1A 11+50S	499	3	8	<0.2	39	115	0.95	0.34	6.49	661	3	166	32	46	5
0056 L 1A 12+00S	267	<1	10	<0.2	21	26	0.39	1.32	5.23	1257	1	131	18	104	5
0057 L 1A 12+50S	466	3	8	<0.2	53	323	0.67	1.35	5.05	286	8	122	35	149	<5
0058 L 1A 13+00S	267	2	8	<0.2	24	74	0.33	0.63	3.33	303	2	72	21	48	<5
0059 L 1A 13+50S	499	4	6	<0.2	44	347	0.92	0.48	3.44	186	9	114	31	103	<5
0060 L 1A 14+00S	249	2	10	0.6	39	170	0.21	0.39	2.85	288	2	50	17	35	<5
0061 L 1A 14+50S	115	1	8	<0.2	16	84	1.81	0.24	3.26	220	1	22	12	18	<5
0062 L 1A 15+00S	284	3	8	0.4	15	44	0.35	0.56	3.23	692	1	68	16	28	<5
0001 L 2 0+00S	584	2	4	<0.2	11	44	0.14	0.40	3.02	229	1	52	13	33	<5
0002 L 2 0+50S	327	1	2	<0.2	26	76	0.14	0.44	2.95	239	1	54	20	31	<5
0003 L 2 1+00S	330	1	4	<0.2	20	43	0.11	0.56	3.20	222	<1	68	17	56	<5
0004 L 2 1+50S	202	<1	<2	<0.2	36	39	0.26	0.93	3.66	323	1	82	17	42	<5
0005 L 2 2+00S	245	<1	2	<0.2	11	19	0.11	0.39	2.37	304	<1	46	11	29	<5
0006 L 2 2+50S	167	<1	2	0.2	6	13	0.09	0.25	2.30	152	<1	53	8	28	<5
0007 L 2 3+00S	73	<1	<2	<0.2	13	25	0.19	0.62	2.01	197	<1	43	9	34	<5
0008 L 2 3+50S	234	1	6	0.4	10	22	0.08	0.37	2.86	544	<1	49	13	29	<5

Project 318

Soil Sampling Results (part 2)

Sample ID	As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
0032 L 1A 0+00S	10	<5	135	2.66	0.04	<0.01	7	<20	<10	<10	10	<2	860	0.14	<10
0033 L 1A 0+50S	5	<5	55	0.95	0.03	<0.01	9	<20	<10	<10	5	<2	140	0.05	<10
0034 L 1A 1+00S	5	<5	125	1.82	0.03	<0.01	9	<20	<10	<10	7	<2	180	0.08	<10
0035 L 1A 1+50S	10	<5	95	3.92	0.04	0.01	9	<20	<10	<10	16	2	1310	0.20	<10
0036 L 1A 2+00S	<5	<5	200	1.95	0.02	<0.01	14	<20	<10	10	14	<2	460	0.06	<10
0037 L 1A 2+50S	5	<5	165	2.76	0.06	<0.01	9	<20	<10	<10	10	<2	1730	0.12	<10
0038 L 1A 3+00S	<5	<5	245	2.65	0.07	0.01	12	<20	<10	<10	11	<2	540	0.13	<10
0039 L 1A 3+50S	5	<5	205	2.50	0.11	<0.01	13	<20	<10	<10	12	<2	1540	0.16	<10
0040 L 1A 4+00S	<5	<5	565	3.67	0.44	0.01	23	<20	<10	<10	21	<2	1710	0.33	<10
0041 L 1A 4+50S	<5	<5	370	2.83	0.21	0.01	18	<20	<10	<10	16	<2	1260	0.24	<10
0042 L 1A 5+00S	<5	<5	315	4.33	0.16	0.01	16	<20	10	<10	18	<2	2560	0.24	<10
0043 L 1A 5+50S	10	<5	430	1.36	0.59	<0.01	118	<20	<10	<10	3	<2	1120	0.06	<10
0044 L 1A 6+00S	<5	<5	385	2.44	0.42	<0.01	39	<20	<10	<10	13	<2	1130	0.20	<10
0045 L 1A 6+50S	<5	<5	235	3.12	0.10	0.01	16	<20	<10	<10	13	<2	2970	0.17	<10
0046 L 1A 7+00S	<5	<5	150	2.10	0.06	<0.01	11	<20	<10	<10	9	<2	1690	0.12	<10
0047 L 1A 7+50S	<5	<5	285	3.09	0.12	0.01	15	<20	<10	<10	16	<2	630	0.19	<10
0048 L 1A 8+00S	<5	<5	245	3.91	1.49	0.02	11	<20	<10	<10	31	<2	580	0.51	<10
0049 L 1A 8+50S	<5	<5	390	2.99	0.21	0.01	19	<20	<10	<10	15	<2	660	0.19	<10
0050 L 1A 9+00S	<5	<5	275	1.98	0.13	0.01	14	<20	<10	<10	13	<2	640	0.13	<10
0051 L 1A 9+50S	<5	<5	290	2.40	0.11	0.01	12	<20	<10	<10	11	<2	1460	0.14	<10
0052 L 1A 10+00S	<5	<5	285	2.35	0.07	0.01	10	<20	<10	<10	13	<2	540	0.14	<10
0053 L 1A 10+50S	<5	<5	315	3.40	0.10	0.01	13	<20	<10	<10	17	<2	830	0.17	<10
0054 L 1A 11+00S	<5	<5	170	2.35	0.09	0.01	11	<20	<10	<10	11	<2	940	0.15	<10
0055 L 1A 11+50S	5	<5	410	2.37	0.07	0.06	79	<20	<10	<10	6	2	1290	0.08	<10
0056 L 1A 12+00S	<5	<5	495	2.66	0.07	0.01	32	<20	<10	<10	15	<2	1460	0.23	<10
0057 L 1A 12+50S	<5	<5	365	2.82	0.06	0.01	37	<20	<10	<10	13	2	2660	0.15	<10
0058 L 1A 13+00S	<5	<5	305	2.98	0.19	0.01	23	<20	<10	<10	16	<2	1010	0.19	<10
0059 L 1A 13+50S	<5	<5	275	1.49	0.03	0.01	30	<20	<10	<10	9	<2	4910	0.08	<10
0060 L 1A 14+00S	<5	<5	240	4.86	0.09	0.01	16	<20	<10	10	26	2	1150	0.21	<10
0061 L 1A 14+50S	<5	<5	125	2.68	0.06	0.09	127	<20	<10	<10	16	<2	4330	0.06	<10
0062 L 1A 15+00S	<5	<5	350	3.56	0.19	0.02	25	<20	<10	<10	19	<2	1800	0.22	<10
0001 L 2 0+00S	5	<5	170	2.61	0.07	<0.01	13	<20	<10	<10	12	34	370	0.14	<10
0002 L 2 0+50S	10	<5	150	1.92	0.07	<0.01	10	<20	<10	<10	13	4	870	0.11	<10
0003 L 2 1+00S	10	<5	180	2.50	0.08	<0.01	14	<20	<10	<10	13	2	600	0.17	<10
0004 L 2 1+50S	10	<5	225	1.96	0.10	<0.01	16	<20	<10	<10	12	<2	430	0.16	<10
0005 L 2 2+00S	5	<5	115	2.17	0.08	<0.01	8	<20	<10	<10	9	<2	1630	0.11	<10
0006 L 2 2+50S	5	<5	120	1.62	0.03	<0.01	10	<20	<10	<10	10	<2	430	0.12	<10
0007 L 2 3+00S	5	<5	165	1.47	0.06	0.01	13	<20	<10	10	11	<2	140	0.11	<10
0008 L 2 3+50S	10	<5	135	2.43	0.06	<0.01	8	<20	<10	<10	10	<2	2070	0.14	<10

Date of Report: 14-Jul-92 Project 318 BULL

Soil Sampling Results
1992

Reference: 92etk-280, 92etk-291

Sample ID	Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
0009 L 2 4+00S	98	<1	6	0.6	8	15	0.10	0.17	2.11	384	<1	37	9	18	<5
0010 L 2 4+50S	177	<1	6	0.2	11	22	0.19	0.37	2.70	297	<1	49	12	34	<5
0011 L 2 5+00S	173	<1	6	0.4	10	20	0.14	0.31	2.52	780	<1	43	12	26	<5
0012 L 2 5+50S	162	<1	12	0.6	20	53	0.10	0.31	3.17	141	1	54	17	31	<5
0013 L 2 6+00S	109	<1	<2	<0.2	18	36	0.20	0.64	2.36	330	<1	54	12	49	<5
0014 L 2 6+50S	153	<1	10	<0.2	8	26	0.10	0.34	2.25	245	<1	43	11	29	<5
0015 L 2 7+00S	212	<1	8	0.4	11	25	0.10	0.28	2.53	438	<1	46	13	27	<5
0016 L 2 7+50S	187	<1	6	0.4	19	41	0.14	0.46	2.76	254	<1	51	14	34	<5
0017 L 2 8+00S	72	<1	<2	<0.2	12	21	0.15	0.43	1.93	174	<1	41	8	28	<5
0018 L 2 8+50S	202	<1	6	<0.2	13	37	0.19	0.46	2.25	581	<1	44	12	34	<5
0019 L 2 9+00S	199	<1	2	0.2	17	46	0.14	0.52	2.40	374	<1	47	13	39	<5
0020 L 2 9+50S	296	1	12	0.2	13	36	0.12	0.41	3.04	397	1	61	16	42	<5
0021 L 2 10+00S	123	<1	<2	0.2	16	36	0.11	0.35	2.05	143	<1	41	9	29	<5
0022 L 2 10+50S	125	<1	<2	<0.2	13	34	0.08	0.34	1.93	309	<1	39	8	28	<5
0023 L 2 11+00S	141	<1	2	<0.2	20	43	0.15	0.50	2.43	464	<1	53	12	41	<5
0024 L 2 11+50S	191	<1	4	<0.2	18	40	0.14	0.41	2.42	239	<1	55	12	33	<5
0025 L 2 12+00S	278	1	4	0.2	10	46	0.12	0.43	2.27	294	<1	44	12	33	<5
0026 L 2 12+50S	175	1	4	<0.2	15	34	0.18	0.51	2.43	490	<1	49	13	31	<5
0027 L 2 13+00S	278	2	2	0.2	16	80	0.22	0.52	2.29	260	<1	56	13	46	<5
0028 L 2 13+50S	192	1	<2	<0.2	10	41	0.11	0.33	1.86	134	1	35	9	24	<5
L 2 14+00S	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
0030 L 2 14+50S	234	1	6	0.4	7	17	0.10	0.17	1.99	281	<1	34	9	17	<5
0031 L 2 15+00S	227	<1	8	<0.2	7	18	0.10	0.21	2.81	188	1	65	10	29	<5
0102 L 3 0+00S	178	<1	8	<0.2	28	16	0.07	1.24	5.60	284	43	286	12	135	5
0103 L 3 0+50S	231	<1	8	<0.2	21	20	0.20	0.58	3.97	1090	2	120	17	69	<5
0104 L 3 1+00S	313	<1	8	<0.2	23	58	0.51	0.72	3.46	971	<1	94	25	78	<5
0105 L 3 1+50S	164	<1	16	<0.2	19	24	0.10	0.41	3.68	164	2	79	12	44	5
0106 L 3 2+00S	285	<1	10	<0.2	16	24	0.14	0.45	4.83	648	1	85	19	46	<5
0107 L 3 2+50S	780	3	10	<0.2	10	33	0.18	0.38	3.26	536	4	94	16	35	<5
0108 L 3 3+00S	637	3	6	<0.2	9	53	0.13	0.35	2.25	708	<1	51	14	41	<5
0109 L 3 3+50S	234	1	4	<0.2	14	39	0.14	0.52	2.31	245	<1	46	11	37	<5
0110 L 3 4+00S	244	1	10	<0.2	10	34	0.15	0.37	2.57	348	<1	54	14	33	<5
0111 L 3 4+50S	157	<1	8	0.2	13	38	0.09	0.40	2.60	176	<1	53	13	38	<5
0112 L 3 5+00S	239	1	8	0.2	14	54	0.12	0.43	3.18	142	1	59	15	47	<5
0113 L 3 5+50S	147	<1	8	<0.2	11	27	0.10	0.36	2.72	178	<1	68	11	43	<5
0114 L 3 6+00S	152	<1	6	0.2	9	37	0.08	0.26	2.28	309	<1	47	12	30	<5
0115 L 3 6+50S	260	1	8	0.2	9	34	0.08	0.28	2.59	243	<1	53	13	36	<5
0116 L 3 7+00S	227	<1	10	0.4	10	38	0.13	0.45	2.60	333	<1	43	15	33	<5
0117 L 3 7+50S	221	<1	10	0.2	11	26	0.10	0.42	2.90	225	2	80	13	29	<5

Project 318

Soil Sampling Results (part 2)

Sample ID			As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
0009	L 2	4+00S	5	<5	125	2.17	0.03	<0.01	8	<20	<10	<10	10	<2	1030	0.13	<10
0010	L 2	4+50S	5	<5	175	2.70	0.07	<0.01	12	<20	<10	<10	10	<2	1250	0.14	<10
0011	L 2	5+00S	10	<5	165	2.68	0.07	<0.01	10	<20	<10	<10	12	<2	2350	0.16	<10
0012	L 2	5+50S	5	<5	355	4.22	0.10	0.01	11	<20	<10	<10	17	2	940	0.22	<10
0013	L 2	6+00S	10	<5	225	1.58	0.09	<0.01	11	<20	<10	<10	12	<2	360	0.15	<10
0014	L 2	6+50S	5	<5	165	1.67	0.05	<0.01	8	<20	<10	<10	10	<2	990	0.13	<10
0015	L 2	7+00S	5	<5	195	2.75	0.06	0.01	9	<20	<10	<10	12	<2	2280	0.16	<10
0016	L 2	7+50S	5	<5	310	3.00	0.11	0.01	12	<20	<10	10	16	<2	1220	0.16	<10
0017	L 2	8+00S	5	<5	130	1.21	0.08	<0.01	9	<20	<10	<10	8	<2	430	0.09	<10
0018	L 2	8+50S	5	<5	255	2.17	0.10	<0.01	13	<20	<10	<10	10	<2	1390	0.13	<10
0019	L 2	9+00S	5	<5	265	2.28	0.11	0.01	10	<20	<10	<10	12	<2	1350	0.14	<10
0020	L 2	9+50S	10	<5	180	3.35	0.06	0.01	9	<20	<10	<10	13	<2	2790	0.18	<10
0021	L 2	10+00S	5	<5	120	1.49	0.02	<0.01	8	<20	<10	<10	6	<2	840	0.07	<10
0022	L 2	10+50S	5	<5	85	1.47	0.03	<0.01	7	<20	<10	<10	7	<2	1010	0.07	<10
0023	L 2	11+00S	10	<5	200	1.54	0.05	<0.01	10	<20	<10	<10	7	<2	860	0.08	<10
0024	L 2	11+50S	5	<5	180	2.34	0.06	0.01	11	<20	<10	<10	11	<2	1150	0.12	<10
0025	L 2	12+00S	5	<5	215	2.16	0.06	<0.01	9	<20	<10	<10	10	<2	1060	0.12	<10
0026	L 2	12+50S	5	<5	240	2.21	0.10	0.01	13	<20	<10	<10	12	<2	730	0.13	<10
0027	L 2	13+00S	5	<5	245	1.90	0.07	0.01	11	<20	<10	<10	10	<2	990	0.12	<10
0028	L 2	13+50S	5	<5	150	1.59	0.06	<0.01	7	<20	<10	<10	8	<2	490	0.09	<10
	L 2	14+00S	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
0030	L 2	14+50S	5	<5	185	2.27	0.05	0.01	9	<20	<10	<10	11	<2	1620	0.15	<10
0031	L 2	15+00S	5	<5	195	2.25	0.05	<0.01	13	<20	<10	<10	10	<2	1880	0.15	<10
0102	L 3	0+00S	5	<5	365	2.16	0.53	<0.01	26	<20	<10	10	23	2	710	0.35	<10
0103	L 3	0+50S	5	<5	300	1.55	0.17	<0.01	32	<20	<10	<10	13	<2	1390	0.19	<10
0104	L 3	1+00S	<5	<5	280	2.84	0.12	<0.01	62	<20	<10	<10	14	<2	1710	0.18	<10
0105	L 3	1+50S	<5	<5	115	4.02	0.08	<0.01	16	<20	<10	10	16	2	830	0.20	<10
0106	L 3	2+00S	5	<5	175	1.94	0.07	<0.01	27	<20	<10	<10	13	<2	1200	0.18	<10
0107	L 3	2+50S	<5	<5	365	2.10	0.09	0.01	46	<20	10	<10	14	<2	790	0.19	<10
0108	L 3	3+00S	<5	<5	230	2.36	0.08	<0.01	22	<20	10	10	11	<2	1280	0.12	<10
0109	L 3	3+50S	<5	<5	220	1.49	0.07	<0.01	13	<20	<10	<10	7	<2	600	0.08	<10
0110	L 3	4+00S	<5	<5	240	2.03	0.11	0.01	14	<20	<10	<10	13	<2	1050	0.18	<10
0111	L 3	4+50S	<5	<5	170	2.98	0.06	<0.01	9	<20	<10	<10	10	<2	1490	0.12	<10
0112	L 3	5+00S	<5	<5	285	3.25	0.08	<0.01	12	<20	<10	<10	10	<2	1760	0.14	<10
0113	L 3	5+50S	<5	<5	105	1.50	0.03	<0.01	8	<20	<10	<10	10	<2	1220	0.13	<10
0114	L 3	6+00S	<5	<5	130	2.51	0.04	<0.01	8	<20	<10	<10	10	<2	1010	0.13	<10
0115	L 3	6+50S	<5	<5	150	3.40	0.04	0.01	8	<20	<10	<10	12	<2	1160	0.16	<10
0116	L 3	7+00S	<5	<5	255	3.11	0.06	0.01	11	<20	<10	10	13	<2	950	0.16	<10
0117	L 3	7+50S	<5	<5	175	2.53	0.10	0.01	12	<20	<10	<10	14	<2	1160	0.20	<10

Date of Report: 14-Jul-92 Project 318 BULL

Soil Sampling Results
1992

Reference: 92etk-280, 92etk-291

Sample ID	Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
0118 L 3 8+00S	177	<1	14	0.2	9	27	0.09	0.28	2.03	447	<1	42	10	27	<5
0119 L 3 8+50S	265	1	16	<0.2	10	44	0.35	0.81	2.29	455	<1	55	12	39	<5
0120 L 3 9+00S	276	1	24	0.2	12	53	0.20	0.84	2.66	241	<1	54	15	44	<5
0121 L 3 9+50S	146	<1	6	<0.2	21	39	0.25	0.54	2.43	260	<1	51	13	40	<5
0122 L 3 10+00S	167	<1	8	<0.2	17	43	0.17	0.59	2.55	363	<1	54	14	48	<5
0123 L 3 10+50S	146	<1	8	<0.2	14	40	0.30	0.59	3.04	208	<1	64	15	31	<5
0124 L 3 11+00S	245	1	8	0.2	8	34	0.13	0.33	2.23	283	<1	41	12	25	<5
0125 L 3 11+50S	222	<1	8	<0.2	15	67	0.23	0.53	2.91	254	1	59	16	42	<5
0126 L 3 12+00S	81	<1	4	0.2	36	69	0.45	0.34	3.14	161	<1	40	19	27	<5
0127 L 3 12+50S	124	<1	6	<0.2	28	69	0.57	0.57	3.44	308	<1	55	21	48	<5
0128 L 3 13+00S	358	2	8	<0.2	10	43	0.18	0.36	2.62	454	<1	48	14	33	<5
0129 L 3 13+50S	279	1	4	<0.2	17	57	0.18	0.63	2.64	220	<1	64	15	55	<5
0130 L 3 14+00S	161	1	2	<0.2	17	50	0.17	0.31	2.29	121	1	44	11	31	<5
0131 L 3 14+50S	200	<1	4	<0.2	15	39	0.12	0.41	2.23	297	<1	48	12	37	<5
0132 L 3 15+00S	84	<1	2	<0.2	18	33	0.13	0.32	2.07	124	1	45	9	33	<5
0133 L 3 15+50S	153	<1	4	<0.2	9	30	0.11	0.31	2.05	127	<1	46	11	31	<5
0134 L 3 16+00S	117	<1	8	0.2	12	59	0.23	0.28	1.62	171	1	.39	9	34	<5
0136 L 4 0+00S	413	1	12	<0.2	17	64	0.10	0.40	3.00	335	1	62	30	40	<5
0137 L 4 0+50S	171	<1	4	<0.2	30	60	0.13	0.55	2.40	198	1	61	13	47	<5
0138 L 4 1+00S	437	2	4	<0.2	22	88	0.13	0.45	3.30	409	1	63	25	40	<5
0139 L 4 1+50S	266	2	6	<0.2	28	49	0.29	0.45	3.09	705	4	61	17	37	5
0140 L 4 2+00S	512	2	2	<0.2	23	65	0.15	0.77	3.35	366	1	95	16	92	<5
0141 L 4 2+50S	323	2	2	<0.2	22	73	0.24	0.65	3.36	427	1	101	20	54	<5
0142 L 4 3+00S	524	4	2	<0.2	19	129	0.24	0.67	3.29	351	<1	69	19	89	<5
0143 L 4 3+50S	330	2	2	<0.2	15	47	0.13	0.53	2.99	493	<1	72	14	46	<5
0144 L 4 4+00S	390	3	<2	0.8	17	46	0.14	0.33	2.60	269	<1	51	15	30	<5
0145 L 4 4+50S	270	1	<2	<0.2	32	80	0.23	0.80	3.25	273	1	82	20	64	<5
0146 L 4 5+00S	307	2	<2	<0.2	29	110	0.26	0.70	2.78	465	1	70	16	48	<5
0147 L 4 5+50S	326	1	2	<0.2	37	76	0.17	0.53	3.95	256	1	81	27	43	<5
0148 L 4 6+00S	112	<1	<2	<0.2	40	72	0.23	0.54	2.56	183	1	56	15	36	<5
0149 L 4 6+50S	278	1	2	<0.2	57	111	0.24	0.81	3.82	300	1	82	26	56	<5
0150 L 4 7+00S	123	<1	<2	<0.2	15	32	0.15	0.46	2.05	204	<1	47	11	32	<5
0151 L 4 7+50S	196	<1	<2	<0.2	17	40	0.13	0.36	2.29	151	<1	50	12	29	<5
0152 L 4 8+00S	119	<1	<2	<0.2	21	34	0.13	0.48	2.25	162	<1	49	12	33	<5
0153 L 4 8+50S	240	1	<2	<0.2	33	69	0.23	0.72	2.93	201	<1	68	18	59	<5
0154 L 4 9+00S	247	1	4	0.2	21	50	0.17	0.52	2.60	211	1	56	16	41	<5
0155 L 4 9+50S	227	1	6	<0.2	22	49	0.17	0.55	2.85	261	<1	61	16	42	<5
0156 L 4 10+00S	165	1	2	<0.2	19	45	0.15	0.40	2.23	148	<1	46	12	38	<5
0157 L 4 10+50S	190	1	6	<0.2	31	74	0.22	0.47	3.08	283	1	63	15	48	<5

Project 318

Soil Sampling Results (part 2)

Sample ID	As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
0118 L 3 8+00S	<5	<5	155	2.05	0.05	<0.01	9	<20	<10	<10	9	<2	1020	0.12	<10
0119 L 3 8+50S	<5	<5	345	2.44	0.08	0.01	16	<20	<10	<10	12	<2	1130	0.13	<10
0120 L 3 9+00S	<5	<5	425	3.63	0.08	0.01	13	<20	<10	<10	15	<2	1420	0.18	<10
0121 L 3 9+50S	<5	<5	275	2.38	0.07	<0.01	10	<20	<10	<10	12	<2	1070	0.13	<10
0122 L 3 10+00S	<5	<5	220	2.00	0.09	<0.01	9	<20	<10	<10	11	<2	1260	0.14	<10
0123 L 3 10+50S	<5	<5	225	3.24	0.12	0.01	18	<20	<10	<10	17	<2	830	0.20	<10
0124 L 3 11+00S	<5	<5	225	2.62	0.07	0.01	10	<20	<10	<10	12	<2	1070	0.16	<10
0125 L 3 11+50S	<5	<5	325	2.79	0.14	0.01	13	<20	<10	<10	14	<2	760	0.18	<10
0126 L 3 12+00S	<5	<5	270	1.84	0.06	0.02	25	<20	<10	<10	7	<2	940	0.07	<10
0127 L 3 12+50S	<5	<5	2600	2.94	0.11	0.03	35	<20	<10	<10	12	2	840	0.15	<10
0128 L 3 13+00S	<5	<5	305	2.84	0.08	0.01	13	<20	<10	<10	13	<2	2190	0.17	<10
0129 L 3 13+50S	<5	<5	285	2.44	0.11	0.01	13	<20	<10	<10	12	<2	870	0.16	<10
0130 L 3 14+00S	<5	<5	265	2.36	0.05	<0.01	12	<20	10	<10	11	<2	550	0.11	<10
0131 L 3 14+50S	<5	<5	195	1.80	0.06	<0.01	8	<20	<10	<10	9	<2	1260	0.10	<10
0132 L 3 15+00S	<5	<5	120	1.22	0.03	<0.01	7	<20	<10	<10	6	<2	540	0.06	<10
0133 L 3 15+50S	<5	<5	155	1.82	0.04	<0.01	9	<20	10	<10	9	<2	1240	0.09	<10
0134 L 3 16+00S	<5	<5	185	2.10	0.03	<0.01	11	<20	<10	<10	9	<2	570	0.09	<10
0136 L 4 0+00S	<5	<5	165	2.28	0.07	<0.01	11	<20	<10	<10	11	<2	1230	0.12	<10
0137 L 4 0+50S	<5	<5	125	1.36	0.07	<0.01	7	<20	<10	<10	8	<2	630	0.07	<10
0138 L 4 1+00S	<5	<5	285	4.14	0.11	0.01	13	<20	10	<10	17	<2	2170	0.22	<10
0139 L 4 1+50S	<5	<5	460	2.17	0.08	0.01	23	<20	40	<10	10	2	2740	0.13	<10
0140 L 4 2+00S	<5	<5	350	2.01	0.12	0.01	19	<20	<10	<10	13	<2	800	0.18	<10
0141 L 4 2+50S	<5	<5	325	2.09	0.14	0.01	17	<20	<10	<10	13	<2	790	0.18	<10
0142 L 4 3+00S	<5	<5	220	2.84	0.09	0.01	20	<20	<10	<10	13	<2	2240	0.18	<10
0143 L 4 3+50S	<5	<5	280	2.39	0.10	0.01	11	<20	<10	<10	14	<2	980	0.18	<10
0144 L 4 4+00S	<5	<5	215	4.30	0.09	0.01	14	<20	<10	<10	21	<2	1230	0.23	<10
0145 L 4 4+50S	<5	<5	270	2.28	0.21	0.01	19	<20	<10	<10	18	<2	390	0.21	<10
0146 L 4 5+00S	<5	<5	240	2.07	0.13	0.01	20	<20	<10	<10	14	<2	340	0.14	<10
0147 L 4 5+50S	<5	<5	305	3.84	0.11	0.01	12	<20	<10	<10	18	<2	1530	0.21	<10
0148 L 4 6+00S	<5	<5	190	1.53	0.08	0.01	13	<20	<10	<10	13	<2	220	0.11	<10
0149 L 4 6+50S	<5	<5	505	3.10	0.18	0.01	16	<20	<10	<10	16	<2	520	0.19	<10
0150 L 4 7+00S	<5	<5	285	1.58	0.07	<0.01	11	<20	<10	<10	8	<2	300	0.09	<10
0151 L 4 7+50S	<5	<5	300	2.27	0.07	0.01	12	<20	<10	<10	11	<2	760	0.13	<10
0152 L 4 8+00S	<5	<5	285	1.63	0.09	<0.01	10	<20	<10	<10	9	<2	430	0.11	<10
0153 L 4 8+50S	<5	<5	235	2.28	0.16	0.01	15	<20	<10	<10	16	<2	520	0.16	<10
0154 L 4 9+00S	<5	<5	275	2.78	0.12	0.01	12	<20	10	10	16	<2	780	0.18	<10
0155 L 4 9+50S	<5	<5	300	3.10	0.10	0.01	13	<20	<10	<10	15	<2	1490	0.17	<10
0156 L 4 10+00S	<5	<5	180	1.95	0.06	<0.01	10	<20	<10	<10	10	<2	910	0.11	<10
0157 L 4 10+50S	<5	5	475	3.10	0.08	0.01	14	<20	<10	<10	12	<2	870	0.16	<10

Date of Report: 14-Jul-92 Project 318 BULL

Soil Sampling Results
1992

Reference: 92etk-280, 92etk-291

Sample ID	Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
0158 L 4 11+00S	304	1	8	<0.2	32	93	0.26	0.51	3.37	272	<1	65	17	55	<5
0159 L 4 11+50S	334	2	6	<0.2	52	143	0.44	0.80	4.00	569	1	81	21	75	<5
0160 L 4 12+00S	188	1	6	<0.2	25	74	0.39	0.54	2.75	470	1	59	13	52	<5
0161 L 4 12+50S	185	2	8	<0.2	30	88	0.64	0.62	3.06	498	1	72	15	67	<5
0162 L 4 13+00S	222	1	10	<0.2	21	96	0.29	0.43	2.47	252	<1	50	13	48	<5
0163 L 4 13+50S	138	<1	8	<0.2	16	60	0.23	0.43	2.09	195	<1	41	12	32	<5
0164 L 4 14+00S	168	<1	4	<0.2	13	33	0.12	0.34	2.39	144	1	44	12	29	<5
0165 L 4 14+50S	148	1	4	<0.2	8	32	0.12	0.21	1.81	433	<1	31	9	20	<5
0166 L 4 15+00S	271	1	4	0.2	6	38	0.12	0.25	1.87	283	<1	31	10	20	<5
0167 L 5 0+00N	111	<1	6	<0.2	18	36	0.09	0.36	2.61	410	<1	48	15	25	<5
0168 L 5 0+50N	102	<1	6	<0.2	31	42	0.25	0.77	3.81	418	1	76	21	55	<5
0169 L 5 1+00N	76	<1	6	<0.2	31	18	0.14	0.26	2.67	384	<1	46	11	21	<5
0170 L 5 1+50N	77	<1	4	<0.2	67	42	0.13	0.39	3.02	204	<1	44	17	27	<5
0171 L 5 2+00N	136	1	12	<0.2	20	37	0.27	0.37	2.87	659	<1	46	15	25	<5
0172 L 5 2+50N	173	1	12	<0.2	12	30	0.17	0.38	2.62	690	<1	46	15	27	<5
0173 L 5 3+00N	104	<1	6	<0.2	15	25	0.10	0.39	2.27	185	<1	45	11	28	<5
0174 L 5 3+50N	122	<1	10	<0.2	10	28	0.13	0.45	2.36	552	<1	44	12	37	<5
0175 L 5 4+00N	155	<1	10	<0.2	28	80	0.24	0.74	2.75	962	<1	54	21	73	<5
0176 L 5 4+50N	143	<1	8	<0.2	34	112	0.23	0.93	3.98	292	1	70	29	79	<5
0177 L 5 5+00N	145	<1	4	<0.2	39	58	0.23	0.69	3.12	251	<1	63	18	52	<5
0178 L 5 5+50N	127	<1	6	<0.2	22	39	0.10	0.60	2.93	203	1	61	14	41	<5
0179 L 5 6+00N	218	1	4	<0.2	14	53	0.21	0.54	2.19	468	<1	49	12	40	<5
0180 L 5 6+50N	113	<1	4	<0.2	18	62	0.17	0.57	2.06	305	<1	54	11	49	<5
0181 L 5 7+00N	166	<1	8	<0.2	18	36	0.13	0.55	2.78	306	1	65	13	50	<5
0182 L 5 7+50N	166	<1	8	<0.2	19	39	0.12	0.50	2.79	242	1	61	14	42	<5
0183 L 5 8+00N	122	<1	4	<0.2	45	26	0.36	1.72	4.73	568	<1	133	24	46	<5
0184 L 5 8+50N	136	<1	4	<0.2	21	40	0.13	0.55	2.40	263	<1	53	13	39	<5
0185 L 5 9+00N	110	<1	6	<0.2	19	30	0.11	0.41	2.18	216	<1	48	11	32	<5
0186 L 5 9+50N	116	<1	4	<0.2	11	29	0.15	0.37	1.63	194	<1	39	8	26	<5
0187 L 5 10+00N	322	2	8	0.2	11	53	0.14	0.34	2.35	277	<1	50	13	34	<5
0188 L 5 10+50N	374	4	6	0.2	13	58	0.17	0.42	2.33	257	<1	49	14	31	<5
0189 L 5 11+00N	651	9	12	<0.2	16	36	0.12	0.49	5.08	449	2	79	18	40	5
0190 L 5 11+50N	413	3	8	<0.2	30	20	0.37	1.28	6.30	656	6	204	11	94	5
0191 L 5 12+00N	137	<1	12	<0.2	45	9	0.06	1.30	6.61	246	7	204	9	88	<5
0192 L 5 12+50N	207	1	18	<0.2	63	20	0.09	0.96	8.14	314	7	212	11	66	5
0193 L 5 12+75N	180	<1	18	0.4	94	18	0.12	0.78	11.13	232	17	272	10	64	<5
0196 L 6 0+00N	111	<1	14	0.2	9	14	0.10	0.18	3.33	124	1	66	11	27	<5
0197 L 6 0+50N	123	1	8	<0.2	19	38	0.21	0.60	3.50	147	1	84	13	41	<5
0199 L 6 1+00N	160	1	6	<0.2	26	40	0.40	0.64	2.79	460	1	62	14	40	<5

Project 318

Soil Sampling Results (part 2)

Sample ID	As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
0158 L 4 11+00S	<5	<5	375	3.30	0.10	0.01	17	<20	<10	<10	18	<2	1160	0.18	<10
0159 L 4 11+50S	<5	<5	535	3.56	0.21	0.01	26	<20	<10	10	26	<2	470	0.19	<10
0160 L 4 12+00S	<5	<5	350	2.25	0.13	0.01	20	<20	<10	10	15	<2	550	0.13	<10
0161 L 4 12+50S	<5	<5	380	2.44	0.14	0.01	29	<20	<10	10	18	<2	380	0.13	<10
0162 L 4 13+00S	<5	<5	490	2.44	0.10	0.01	20	<20	<10	<10	12	<2	300	0.12	<10
0163 L 4 13+50S	<5	<5	235	1.71	0.08	0.01	15	<20	<10	10	12	<2	300	0.12	<10
0164 L 4 14+00S	<5	<5	195	2.64	0.04	0.01	10	<20	<10	<10	12	<2	900	0.14	<10
0165 L 4 14+50S	<5	<5	155	1.84	0.03	<0.01	8	<20	<10	<10	9	<2	1430	0.10	<10
0166 L 4 15+00S	<5	<5	295	2.40	0.05	0.01	10	<20	<10	<10	11	<2	1480	0.13	<10
0167 L 5 0+00N	<5	<5	165	3.00	0.07	<0.01	8	<20	<10	<10	12	<2	1490	0.14	<10
0168 L 5 0+50N	<5	<5	230	3.19	0.20	0.01	24	<20	<10	<10	17	<2	640	0.22	<10
0169 L 5 1+00N	<5	<5	160	3.17	0.05	<0.01	10	<20	<10	<10	12	<2	1720	0.15	<10
0170 L 5 1+50N	<5	<5	145	2.22	0.06	0.01	11	<20	<10	<10	10	<2	610	0.11	<10
0171 L 5 2+00N	<5	<5	230	2.59	0.11	0.01	23	<20	<10	<10	14	<2	1140	0.15	<10
0172 L 5 2+50N	<5	<5	215	3.06	0.08	0.01	13	<20	<10	<10	14	<2	1280	0.17	<10
0173 L 5 3+00N	<5	<5	160	2.28	0.07	<0.01	7	<20	<10	<10	10	<2	1100	0.13	<10
0174 L 5 3+50N	<5	<5	200	1.63	0.09	<0.01	9	<20	<10	<10	11	<2	1070	0.14	<10
0175 L 5 4+00N	<5	<5	295	2.18	0.10	<0.01	14	<20	<10	<10	13	<2	560	0.17	<10
0176 L 5 4+50N	<5	5	195	3.64	0.17	0.01	13	<20	10	<10	20	<2	1170	0.25	<10
0177 L 5 5+00N	<5	<5	220	2.48	0.14	<0.01	13	<20	<10	<10	12	<2	1360	0.14	<10
0178 L 5 5+50N	<5	<5	185	2.49	0.12	<0.01	8	<20	<10	10	14	<2	1320	0.16	<10
0179 L 5 6+00N	<5	<5	395	1.81	0.13	<0.01	13	<20	<10	<10	11	84	890	0.13	<10
0180 L 5 6+50N	<5	<5	170	1.38	0.12	<0.01	10	<20	<10	<10	9	6	600	0.10	<10
0181 L 5 7+00N	<5	<5	230	2.20	0.10	<0.01	8	<20	<10	<10	9	2	1220	0.12	<10
0182 L 5 7+50N	<5	<5	305	3.46	0.09	0.01	11	<20	<10	<10	15	<2	1210	0.17	<10
0183 L 5 8+00N	<5	10	295	3.10	0.40	<0.01	15	<20	<10	10	34	<2	860	0.39	<10
0184 L 5 8+50N	<5	<5	255	2.34	0.10	<0.01	9	<20	<10	10	13	<2	800	0.13	<10
0185 L 5 9+00N	<5	<5	215	1.89	0.06	<0.01	7	<20	<10	10	9	<2	520	0.10	<10
0186 L 5 9+50N	<5	<5	140	1.08	0.05	<0.01	8	<20	<10	10	8	<2	490	0.07	<10
0187 L 5 10+00N	<5	<5	230	2.44	0.07	0.01	10	<20	<10	<10	11	<2	1380	0.14	<10
0188 L 5 10+50N	<5	<5	300	2.96	0.08	0.01	13	<20	<10	<10	14	<2	1190	0.16	<10
0189 L 5 11+00N	<5	<5	485	2.93	0.13	0.01	15	<20	<10	<10	16	<2	6160	0.23	<10
0190 L 5 11+50N	5	<5	410	1.99	0.70	0.01	57	<20	<10	<10	14	<2	1710	0.21	<10
0191 L 5 12+00N	10	<5	285	2.14	0.84	0.01	26	<20	<10	<10	17	<2	1760	0.25	<10
0192 L 5 12+50N	10	<5	520	2.07	0.45	0.01	23	<20	<10	10	13	<2	1300	0.16	10
0193 L 5 12+75N	20	<5	210	1.91	0.42	0.03	73	<20	<10	10	16	<2	2440	0.12	30
0196 L 6 0+00N	<5	<5	185	3.39	0.03	0.01	9	<20	<10	10	18	<2	510	0.20	<10
0197 L 6 0+50N	<5	<5	140	1.89	0.07	<0.01	11	<20	<10	10	14	<2	420	0.18	<10
0199 L 6 1+00N	<5	5	245	1.85	0.20	0.01	19	<20	<10	10	14	<2	880	0.12	<10

Date of Report: 14-Jul-92 Project 318 BULL

Soil Sampling Results
1992

Reference: 92etk-280, 92etk-291

Sample ID			Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
	L 6	1+50N	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
0200	L 6	2+00N	177	2	2	0.2	19	37	0.41	0.54	2.02	337	<1	48	10	37	<5
0201	L 6	2+50N	239	1	6	<0.2	16	44	0.19	0.47	2.45	166	1	54	12	30	<5
0202	L 6	3+00N	134	1	4	<0.2	14	29	0.19	0.39	2.04	155	<1	37	9	22	<5
0203	L 6	3+50N	177	1	6	<0.2	10	37	0.20	0.47	2.35	286	<1	46	11	32	<5
0204	L 6	4+00N	190	1	4	<0.2	10	35	0.20	0.50	2.20	260	<1	42	11	30	<5
0205	L 6	4+50N	120	1	2	<0.2	25	33	0.44	0.65	2.54	359	<1	58	11	40	<5
0206	L 6	5+00N	622	5	6	<0.2	10	61	0.22	0.49	2.51	240	<1	50	13	34	<5
0207	L 6	5+50N	960	8	38	1.8	213	260	0.23	0.52	5.21	1373	9	119	91	62	<5
0208	L 6	6+00N	773	6	76	<0.2	21	23	0.40	0.87	5.18	788	6	145	14	45	5
0209	L 6	6+50N	798	3	70	<0.2	30	32	0.31	1.00	5.40	762	7	150	14	51	5
0210	L 6	7+00N	220	<1	8	<0.2	110	16	0.09	1.04	7.53	246	13	234	9	61	<5
0211	L 6	7+50N	326	<1	10	<0.2	63	22	0.08	1.30	6.69	270	8	172	11	60	<5
0212	L 6	8+00N	218	<1	8	<0.2	88	20	0.07	1.24	7.03	196	5	151	11	60	<5
0213	L 6	8+50N	434	2	14	0.8	97	21	0.12	0.55	10.13	299	12	252	10	52	5
0214	L 6	9+00N	341	1	8	0.4	92	17	0.16	0.62	11.11	234	18	336	10	63	<5
0215	L 6	9+50N	549	1	8	<0.2	76	38	0.09	0.68	8.90	318	21	309	13	67	5
0216	L 6	10+00N	432	1	18	<0.2	45	28	0.10	0.68	7.10	311	17	265	8	65	5
0217	L 7	0+00W	292	1	12	<0.2	18	51	0.13	0.44	3.26	453	1	74	15	33	<5
0218	L 7	0+50W	232	1	12	<0.2	44	69	0.25	0.75	3.65	414	1	81	20	61	<5
0219	L 7	1+00W	142	<1	12	<0.2	12	33	0.13	0.48	2.42	423	<1	44	12	35	<5
0220	L 7	1+50W	135	<1	10	<0.2	21	48	0.22	0.73	3.13	449	<1	64	17	50	<5
0221	L 7	2+00W	165	<1	12	<0.2	20	45	0.22	1.27	4.39	579	<1	97	30	71	<5
0222	L 7	2+50W	131	<1	10	<0.2	17	70	0.19	0.89	3.72	350	<1	106	22	97	5
0223	L 7	3+00W	100	<1	16	<0.2	18	16	0.10	0.40	2.99	293	1	58	11	25	<5
0224	L 7	3+50W	106	<1	12	<0.2	17	32	0.11	0.43	2.57	253	<1	45	14	28	<5
0225	L 7	4+00W	116	<1	8	<0.2	18	52	0.12	0.53	2.66	178	<1	49	16	35	<5
0226	L 7	4+50W	110	<1	10	<0.2	37	41	0.25	1.14	4.36	329	1	95	21	62	5
0227	L 7	5+00W	252	<1	18	<0.2	50	127	0.21	1.20	4.73	375	2	95	25	100	5
0228	L 7	5+50W	186	<1	10	<0.2	14	23	0.15	0.49	3.35	596	<1	57	18	26	5
0229	L 7	6+00W	117	<1	6	<0.2	14	27	0.15	0.59	2.41	332	<1	46	13	28	<5
0230	L 7	6+50W	306	4	30	<0.2	23	57	1.28	0.70	2.47	722	5	31	12	22	<5
0231	L 7	7+00W	239	2	24	<0.2	18	59	1.45	0.58	3.06	243	7	49	13	26	<5
0232	L 7	7+50W	167	1	12	<0.2	28	27	0.20	0.32	3.64	279	1	44	21	15	<5
0233	L 7	8+00W	119	<1	12	<0.2	12	25	0.16	0.47	2.68	230	<1	46	13	27	<5
0234	L 7	8+50W	294	2	14	0.8	17	102	3.04	0.66	2.78	374	2	58	13	77	<5
0235	L 7	9+00W	155	<1	6	<0.2	8	26	0.19	0.44	2.31	423	<1	42	9	28	<5
0236	L 7	9+50W	185	<1	14	<0.2	12	19	0.17	0.34	3.74	854	<1	68	14	35	<5
0237	L 7	10+00W	83	<1	12	<0.2	14	20	0.14	0.38	2.59	662	1	43	11	24	<5

Project 318

Soil Sampling Results (part 2)

Sample ID			As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
	L 6	1+50N	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
0200	L 6	2+00N	5	<5	195	1.13	0.13	0.01	19	<20	<10	10	15	<2	550	0.09	<10
0201	L 6	2+50N	<5	<5	280	2.19	0.12	<0.01	13	<20	<10	10	11	<2	1000	0.12	<10
0202	L 6	3+00N	<5	<5	255	2.02	0.08	<0.01	12	<20	<10	10	11	<2	1040	0.11	<10
0203	L 6	3+50N	<5	<5	350	2.24	0.11	<0.01	13	<20	<10	10	10	<2	1270	0.11	<10
0204	L 6	4+00N	<5	<5	360	1.84	0.12	0.01	13	<20	<10	10	11	<2	1100	0.11	<10
0205	L 6	4+50N	<5	<5	230	1.29	0.23	0.01	21	<20	<10	10	16	<2	800	0.09	<10
0206	L 6	5+00N	<5	<5	345	2.32	0.13	0.01	21	<20	10	10	14	<2	650	0.15	<10
0207	L 6	5+50N	<5	<5	485	6.98	0.20	0.01	39	<20	10	30	70	2	2310	0.18	<10
0208	L 6	6+00N	10	5	960	1.89	0.37	0.01	69	<20	<10	10	14	<2	1610	0.18	<10
0209	L 6	6+50N	10	5	690	2.17	0.56	0.01	70	<20	10	10	16	<2	1720	0.20	<10
0210	L 6	7+00N	35	<5	550	2.51	0.59	0.01	27	<20	<10	<10	22	<2	1220	0.19	10
0211	L 6	7+50N	10	5	575	2.74	0.75	0.01	29	<20	<10	10	17	<2	1090	0.26	<10
0212	L 6	8+00N	10	5	615	2.80	0.72	<0.01	18	<20	<10	20	19	<2	940	0.26	<10
0213	L 6	8+50N	25	<5	410	2.65	0.14	<0.01	29	<20	<10	30	20	2	3380	0.11	20
0214	L 6	9+00N	20	<5	560	1.89	0.22	0.01	50	<20	<10	30	15	<2	2760	0.11	20
0215	L 6	9+50N	15	5	340	3.12	0.17	0.01	31	<20	<10	30	17	<2	1880	0.16	10
0216	L 6	10+00N	5	<5	300	2.25	0.12	0.01	32	<20	<10	20	8	<2	1130	0.14	<10
0217	L 7	0+00W	<5	<5	435	3.28	0.07	0.01	11	<20	<10	10	15	<2	1920	0.18	<10
0218	L 7	0+50W	<5	<5	325	2.67	0.10	0.01	20	<20	<10	10	13	<2	1240	0.14	<10
0219	L 7	1+00W	5	<5	340	2.13	0.06	<0.01	10	<20	<10	10	10	<2	1440	0.12	<10
0220	L 7	1+50W	<5	<5	395	3.23	0.20	0.01	13	<20	<10	10	16	<2	1510	0.19	<10
0221	L 7	2+00W	<5	5	440	3.70	0.30	<0.01	12	<20	<10	20	29	<2	1300	0.36	<10
0222	L 7	2+50W	5	<5	310	2.83	0.22	0.01	12	<20	<10	10	26	<2	820	0.34	<10
0223	L 7	3+00W	10	<5	230	4.42	0.13	0.01	9	<20	<10	10	20	<2	2050	0.23	<10
0224	L 7	3+50W	<5	<5	170	2.40	0.06	<0.01	9	<20	<10	10	11	<2	620	0.13	<10
0225	L 7	4+00W	<5	<5	185	2.67	0.09	<0.01	10	<20	<10	10	14	<2	580	0.14	<10
0226	L 7	4+50W	5	5	275	2.83	0.21	<0.01	13	<20	<10	20	23	<2	610	0.27	<10
0227	L 7	5+00W	5	5	600	4.83	0.33	0.01	16	<20	<10	10	23	2	820	0.28	<10
0228	L 7	5+50W	5	<5	265	3.15	0.12	0.01	13	<20	<10	10	18	<2	2600	0.23	<10
0229	L 7	6+00W	<5	<5	195	1.78	0.13	<0.01	11	<20	<10	10	12	<2	1180	0.14	<10
0230	L 7	6+50W	<5	<5	280	2.49	0.07	0.01	29	<20	<10	30	31	2	4610	0.09	<10
0231	L 7	7+00W	<5	<5	130	3.35	0.03	0.01	25	<20	<10	10	16	<2	6450	0.11	<10
0232	L 7	7+50W	10	<5	190	3.79	0.06	0.01	13	<20	<10	10	15	<2	1100	0.17	<10
0233	L 7	8+00W	<5	<5	200	3.56	0.05	0.01	11	<20	<10	10	13	<2	1650	0.15	<10
0234	L 7	8+50W	5	<5	735	3.80	0.10	0.02	70	<20	<10	20	28	<2	>10000	0.09	<10
0235	L 7	9+00W	<5	<5	490	1.78	0.05	<0.01	10	<20	<10	20	8	<2	720	0.08	<10
0236	L 7	9+50W	10	5	270	1.80	0.03	<0.01	11	<20	10	10	11	<2	750	0.14	<10
0237	L 7	10+00W	5	<5	200	2.13	0.05	<0.01	9	<20	<10	10	9	<2	990	0.10	<10

Date of Report: 14-Jul-92 Project 318 BULL

Soil Sampling Results
1992

Reference: 92etk-280, 92etk-291

Sample ID			Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
0135	L 7	10+50W	120	<1	10	<0.2	14	25	0.09	0.39	2.61	164	1	45	11	28	<5
0238	L 8	0+00W	126	<1	12	<0.2	27	45	0.05	0.40	3.31	100	5	97	8	77	<5
0239	L 8	0+50W	88	<1	18	0.4	10	11	0.06	0.11	2.38	79	1	58	6	28	<5
0240	L 8	1+00W	167	<1	18	<0.2	22	24	0.22	0.62	3.46	321	<1	72	18	47	5
0241	L 8	1+50W	215	<1	12	0.4	18	34	0.14	0.39	3.15	138	1	83	15	41	<5
0242	L 8	2+00W	99	<1	10	<0.2	11	21	0.15	0.37	2.44	142	<1	45	11	31	5
0243	L 8	2+50W	126	<1	10	<0.2	8	18	0.11	0.28	2.22	231	1	39	11	21	5
0244	L 8	3+00W	133	<1	10	<0.2	9	20	0.11	0.34	2.63	350	1	49	14	25	<5
0245	L 8	3+50W	115	<1	12	<0.2	63	58	0.98	1.92	5.00	376	1	164	36	118	<5
0246	L 8	4+00W	158	<1	12	<0.2	20	30	0.16	0.53	3.22	255	1	70	19	37	5
0247	L 8	4+50W	176	<1	12	<0.2	16	45	0.24	0.76	3.15	232	<1	69	17	66	5
0248	L 8	5+00W	132	<1	6	<0.2	16	27	0.12	0.34	2.32	164	<1	40	11	28	<5
0249	L 8	5+50W	100	<1	4	<0.2	9	18	0.12	0.31	1.98	249	<1	34	9	21	<5
0250	L 8	6+00W	119	<1	8	<0.2	16	26	0.18	0.41	2.47	176	1	41	11	32	<5
0251	L 8	6+50W	105	<1	4	<0.2	8	18	0.15	0.30	2.00	298	<1	32	9	23	<5
0252	L 8	7+00W	103	<1	8	<0.2	10	24	0.27	0.47	1.95	367	<1	36	9	30	<5
0253	L 8	7+50W	236	2	18	<0.2	42	165	2.53	1.12	2.69	239	2	32	11	30	<5
0254	L 8	8+00W	433	5	26	<0.2	20	112	1.31	0.54	3.52	1507	2	73	16	76	<5
0255	L 8	8+50W	239	<1	14	<0.2	10	30	0.11	0.36	3.42	1452	1	94	13	62	5
0256	L 8	9+00W	101	<1	20	<0.2	23	17	0.08	0.30	2.96	294	2	47	9	24	<5
0257	L 8	9+50W	204	<1	18	<0.2	12	23	0.12	0.24	2.95	230	1	44	13	18	5
0258	L 8	10+00W	326	1	16	<0.2	19	61	0.17	0.46	3.46	212	<1	61	17	32	5
0259	L 8	10+50W	361	1	14	<0.2	29	72	0.24	1.18	5.35	849	2	172	23	86	5
0260	L 8	11+00W	519	1	12	<0.2	30	76	0.15	1.02	5.86	361	5	461	19	125	5
0261	L 8	11+50W	209	<1	12	<0.2	34	51	0.19	0.66	4.75	265	1	111	22	60	5
0262	L 8	12+00W	297	1	16	<0.2	29	70	0.41	0.68	3.80	1780	1	82	21	52	<5
0263	L 9	0+00W	248	2	16	0.2	16	50	0.15	0.22	2.59	501	2	34	11	20	<5
0264	L 9	0+50W	154	<1	6	<0.2	22	42	0.11	0.45	2.69	191	1	36	12	27	<5
0265	L 9	1+00W	166	<1	22	0.4	11	33	0.10	0.16	2.90	193	1	39	15	16	5
0266	L 9	1+50W	158	<1	16	0.2	16	43	0.12	0.29	2.86	174	1	56	11	41	5
0267	L 9	2+00W	53	<1	2	<0.2	21	21	0.11	0.29	1.63	115	<1	18	7	16	<5
0268	L 9	2+50W	240	2	24	<0.2	31	43	0.33	0.41	3.02	769	1	44	14	27	<5
0269	L 9	3+00W	438	2	16	<0.2	35	154	0.47	0.46	3.92	988	1	58	23	109	<5
0270	L 9	3+50W	352	<1	20	0.2	154	259	0.36	0.53	5.99	375	2	78	38	71	<5
0271	L 9	4+00W	122	<1	6	<0.2	29	26	0.17	1.07	3.30	740	<1	78	22	26	<5
0272	L 9	4+50W	110	<1	12	<0.2	51	87	0.14	0.44	3.16	175	<1	54	17	27	<5
0273	L 9	5+00W	150	<1	10	<0.2	43	68	0.31	1.96	4.63	445	<1	137	25	139	5
	L 9	5+50W	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s

Project 318

Soil Sampling Results (part 2)

Sample ID			As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
0135	L 7	10+50W	<5	<5	160	2.49	0.05	<0.01	8	<20	<10	<10	10	<2	570	0.10	<10
0238	L 8	0+00W	5	<5	100	2.81	0.02	<0.01	7	<20	<10	10	8	<2	470	0.09	<10
0239	L 8	0+50W	5	<5	90	1.62	0.02	<0.01	6	<20	<10	10	12	<2	300	0.14	<10
0240	L 8	1+00W	5	<5	225	3.49	0.12	0.01	13	<20	<10	10	24	<2	950	0.26	<10
0241	L 8	1+50W	5	<5	265	3.93	0.11	0.01	12	<20	<10	10	17	<2	670	0.18	<10
0242	L 8	2+00W	10	<5	200	2.84	0.05	0.01	10	<20	<10	10	14	<2	1760	0.17	<10
0243	L 8	2+50W	10	5	155	2.55	0.06	0.01	10	<20	<10	10	12	<2	1260	0.15	<10
0244	L 8	3+00W	5	<5	185	2.34	0.06	0.01	10	<20	<10	10	13	<2	1130	0.16	<10
0245	L 8	3+50W	<5	5	195	2.98	0.30	<0.01	20	<20	<10	20	31	<2	810	0.30	<10
0246	L 8	4+00W	5	5	230	2.76	0.13	0.01	12	<20	<10	10	19	<2	1090	0.20	<10
0247	L 8	4+50W	<5	5	305	4.48	0.14	0.01	18	<20	<10	10	22	<2	1570	0.25	<10
0248	L 8	5+00W	<5	<5	160	2.19	0.05	<0.01	9	<20	<10	10	11	<2	950	0.11	<10
0249	L 8	5+50W	<5	<5	130	1.94	0.06	<0.01	12	<20	<10	10	9	<2	920	0.10	<10
0250	L 8	6+00W	<5	<5	105	1.40	0.04	<0.01	10	<20	<10	10	8	<2	1320	0.08	<10
0251	L 8	6+50W	<5	<5	120	1.50	0.05	<0.01	10	<20	<10	10	8	<2	1180	0.08	<10
0252	L 8	7+00W	<5	<5	145	1.52	0.03	<0.01	11	<20	<10	10	10	<2	960	0.09	<10
0253	L 8	7+50W	<5	5	240	4.08	0.05	0.05	78	<20	<10	50	70	2	8200	0.10	<10
0254	L 8	8+00W	<5	<5	440	2.55	0.05	0.03	54	<20	<10	20	29	<2	3890	0.13	<10
0255	L 8	8+50W	5	<5	210	1.88	0.04	<0.01	10	<20	<10	20	11	<2	770	0.13	<10
0256	L 8	9+00W	<5	<5	140	3.61	0.05	<0.01	9	<20	<10	20	17	<2	1060	0.15	<10
0257	L 8	9+50W	<5	<5	170	3.14	0.05	0.01	11	<20	<10	10	15	<2	670	0.17	<10
0258	L 8	10+00W	<5	<5	175	3.35	0.09	0.01	14	<20	<10	20	20	<2	270	0.20	<10
0259	L 8	10+50W	<5	5	340	3.23	0.28	0.01	24	<20	<10	20	22	<2	1070	0.27	<10
0260	L 8	11+00W	<5	<5	270	2.98	0.10	0.01	18	<20	<10	20	19	<2	670	0.27	<10
0261	L 8	11+50W	<5	<5	185	3.17	0.09	<0.01	12	<20	<10	20	17	<2	920	0.21	<10
0262	L 8	12+00W	<5	5	190	3.28	0.17	0.01	21	<20	<10	20	30	2	840	0.25	<10
0263	L 9	0+00W	<5	<5	190	4.41	0.06	0.01	11	<20	<10	20	25	<2	1730	0.14	<10
0264	L 9	0+50W	<5	<5	110	1.78	0.03	<0.01	9	<20	<10	20	8	<2	490	0.06	<10
0265	L 9	1+00W	<5	<5	160	4.81	0.03	0.01	11	<20	<10	10	19	<2	1070	0.22	<10
0266	L 9	1+50W	5	<5	175	3.24	0.03	<0.01	11	<20	<10	10	14	<2	820	0.14	<10
0267	L 9	2+00W	<5	<5	75	0.91	0.02	<0.01	8	<20	<10	10	5	<2	220	0.03	<10
0268	L 9	2+50W	5	<5	180	2.83	0.05	0.01	14	<20	10	20	17	<2	1240	0.11	<10
0269	L 9	3+00W	<5	<5	325	2.99	0.10	0.01	23	<20	<10	30	24	2	910	0.16	<10
0270	L 9	3+50W	<5	<5	865	6.12	0.18	0.01	28	<20	<10	50	53	2	580	0.21	<10
0271	L 9	4+00W	<5	5	285	2.50	0.09	<0.01	10	<20	<10	10	15	<2	670	0.19	<10
0272	L 9	4+50W	<5	<5	220	3.08	0.08	<0.01	11	<20	<10	10	14	<2	890	0.16	<10
0273	L 9	5+00W	<5	5	525	3.60	0.53	0.01	19	<20	<10	20	26	<2	1990	0.33	<10
	L 9	5+50W	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s

Date of Report: 14-Jul-92 Project 318 BULL

Soil Sampling Results
1992

Reference: 92etk-280, 92etk-291

Sample ID			Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
	L 9	6+00W	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
0276	L 9	6+50W	148	<1	12	<0.2	17	28	0.17	0.43	2.94	256	<1	53	16	33	<5
0277	L 9	7+00W	136	<1	10	<0.2	21	27	0.18	0.63	3.07	358	<1	63	14	38	5
0278	L 9	7+50W	96	<1	16	<0.2	38	44	0.30	0.66	3.06	371	1	57	16	42	<5
0279	L 9	8+00W	97	<1	6	<0.2	11	24	0.12	0.36	2.17	165	<1	33	9	21	<5
0280	L 9	8+50W	227	1	18	0.4	14	23	0.12	0.29	2.76	265	<1	43	15	19	<5
0281	L 9	9+00W	619	8	14	0.2	11	33	0.18	0.32	3.13	280	1	61	15	42	5
0282	L 9	9+50W	167	<1	10	<0.2	38	145	0.14	1.48	4.29	243	2	141	24	219	5
0283	L 9	10+00W	236	<1	10	<0.2	16	38	0.12	0.47	2.89	777	1	47	14	39	<5
0284	L 9	10+50W	390	1	10	<0.2	20	79	0.18	0.79	3.47	360	1	76	17	83	5
0285	L 9	11+00W	181	<1	12	<0.2	12	19	0.08	0.34	3.14	377	5	44	13	24	5
0286	L 9	11+50W	154	<1	12	<0.2	8	21	0.10	0.22	2.59	161	1	40	11	18	5
0287	L 9	12+00W	176	<1	14	<0.2	13	13	0.07	0.77	5.15	586	4	234	15	152	10
0288	L 9	12+50W	242	1	12	<0.2	18	34	0.27	0.59	4.55	589	2	153	16	84	5
0289	L 9	13+00W	299	2	16	0.4	17	27	0.23	0.24	3.98	3332	1	87	21	32	5
0290	L 9	13+50W	124	<1	6	<0.2	30	36	0.12	0.42	3.37	310	1	59	13	36	<5
0291	L 9	14+00W	37	<1	12	<0.2	15	6	0.13	0.08	1.63	218	1	19	6	4	<5
0292	L 9	14+50W	187	<1	10	<0.2	26	29	0.07	0.63	4.09	165	4	246	10	69	5
0293	L 9	15+00W	124	<1	14	0.4	29	15	0.08	0.76	4.20	128	5	162	11	96	<5
0194	L10	0+00S	1028	5	6	0.4	22	166	0.49	0.45	1.95	329	<1	24	8	41	<5
0195	L10	0+50S	196	1	24	<0.2	11	23	0.36	0.31	3.89	889	2	72	10	33	<5
0294	L10	1+00S	131	<1	2	0.4	12	125	0.13	0.22	2.09	148	<1	28	9	18	<5
0295	L10	1+50S	51	<1	2	<0.2	4	16	0.09	0.22	1.67	164	<1	27	6	20	<5
0296	L10	2+00S	131	1	2	<0.2	10	23	0.10	0.31	1.96	275	<1	27	8	20	<5
0297	L10	2+50S	108	<1	4	<0.2	7	27	0.10	0.37	1.91	423	<1	31	10	30	<5
0298	L10	3+00S	131	<1	10	<0.2	19	43	0.22	0.38	2.87	840	<1	39	17	22	<5
0299	L10	3+50S	78	<1	2	<0.2	30	100	0.11	0.64	2.62	211	<1	50	17	42	<5
0300	L10	4+00S	143	<1	2	<0.2	30	84	0.23	1.51	4.26	551	<1	115	28	152	<5
0301	L10	4+50S	104	<1	6	<0.2	15	24	0.15	0.66	3.33	656	<1	62	17	43	<5
0302	L10	5+00S	46	<1	2	<0.2	8	13	0.11	0.32	2.02	272	<1	31	7	19	<5
0303	L10	5+50S	64	<1	2	<0.2	24	38	0.14	0.80	2.88	217	<1	50	15	54	<5
0304	L10	6+00S	71	<1	4	<0.2	18	18	0.15	0.46	2.43	224	<1	33	10	19	<5
0305	L10	6+50S	143	1	6	<0.2	14	26	0.20	0.50	3.03	328	<1	54	15	33	<5
0306	L10	7+00S	152	1	14	0.2	19	26	0.12	0.34	3.22	278	<1	84	12	63	<5
0307	L10	7+50S	184	1	4	<0.2	28	31	0.11	0.90	4.20	343	<1	118	20	61	<5
0308	L10	8+00S	479	2	4	<0.2	10	45	0.13	0.36	3.10	187	<1	47	12	30	<5
0309	L10	8+50S	152	<1	2	0.2	9	25	0.15	0.41	2.80	195	<1	57	11	34	<5
0310	L10	9+00S	47	<1	4	<0.2	7	15	0.11	0.42	1.96	160	<1	26	9	22	<5
0311	L10	9+50S	466	1	10	0.2	47	503	0.09	0.55	3.97	441	1	68	53	59	<5

Project 318

Soil Sampling Results (part 2)

Sample ID			As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
	L 9	6+00W	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
0276	L 9	6+50W	<5	<5	195	2.66	0.09	0.01	13	<20	<10	10	15	<2	600	0.16	<10
0277	L 9	7+00W	<5	<5	165	2.02	0.11	<0.01	9	<20	<10	10	16	<2	790	0.17	<10
0278	L 9	7+50W	<5	<5	255	2.85	0.08	<0.01	11	<20	<10	20	14	<2	1570	0.11	<10
0279	L 9	8+00W	<5	<5	155	1.75	0.04	<0.01	9	<20	<10	10	8	<2	530	0.08	<10
0280	L 9	8+50W	<5	<5	195	3.38	0.04	0.01	12	<20	<10	10	16	<2	1400	0.19	<10
0281	L 9	9+00W	<5	<5	255	3.44	0.05	0.01	18	<20	<10	20	17	<2	2520	0.18	<10
0282	L 9	9+50W	<5	<5	185	3.01	0.09	<0.01	16	<20	<10	20	19	<2	420	0.22	<10
0283	L 9	10+00W	<5	<5	200	2.23	0.08	<0.01	14	<20	<10	20	10	<2	540	0.09	<10
0284	L 9	10+50W	<5	<5	205	2.78	0.13	<0.01	14	<20	<10	20	14	<2	800	0.15	<10
0285	L 9	11+00W	<5	5	155	2.60	0.06	<0.01	9	<20	<10	20	11	<2	1410	0.13	<10
0286	L 9	11+50W	<5	<5	130	2.38	0.03	<0.01	8	<20	10	10	13	<2	330	0.14	<10
0287	L 9	12+00W	5	5	310	1.93	0.11	<0.01	10	<20	<10	20	22	<2	560	0.30	<10
0288	L 9	12+50W	5	<5	295	2.54	0.10	0.01	19	<20	<10	20	16	<2	3990	0.21	<10
0289	L 9	13+00W	5	<5	355	1.99	0.03	0.01	13	<20	<10	20	13	<2	730	0.16	<10
0290	L 9	13+50W	5	<5	130	1.95	0.03	<0.01	7	<20	<10	20	9	<2	570	0.09	<10
0291	L 9	14+00W	5	<5	95	4.69	0.01	0.01	10	<20	<10	10	17	2	580	0.14	<10
0292	L 9	14+50W	5	<5	235	2.68	0.18	<0.01	11	<20	<10	20	13	<2	650	0.17	<10
0293	L 9	15+00W	<5	<5	320	4.70	0.25	0.01	11	<20	60	<10	18	2	990	0.26	<10
0194	L10	0+00S	<5	<5	220	1.84	0.08	0.01	25	<20	<10	20	33	<2	360	0.06	<10
0195	L10	0+50S	5	<5	170	1.98	0.07	<0.01	24	<20	<10	10	10	<2	2090	0.14	<10
0294	L10	1+00S	<5	<5	95	2.28	0.04	<0.01	10	<20	<10	<10	11	<2	530	0.09	<10
0295	L10	1+50S	<5	<5	60	0.99	0.02	<0.01	7	<20	<10	<10	5	<2	350	0.05	<10
0296	L10	2+00S	<5	<5	125	1.63	0.04	<0.01	9	<20	<10	<10	7	<2	610	0.07	<10
0297	L10	2+50S	<5	<5	125	1.46	0.04	<0.01	10	<20	<10	<10	5	<2	490	0.06	<10
0298	L10	3+00S	<5	<5	170	3.52	0.09	0.01	16	<20	<10	<10	12	<2	1350	0.19	<10
0299	L10	3+50S	<5	<5	170	2.00	0.09	<0.01	10	<20	<10	<10	9	<2	270	0.12	<10
0300	L10	4+00S	<5	<5	290	3.37	0.18	<0.01	13	<20	10	<10	21	<2	840	0.35	<10
0301	L10	4+50S	<5	<5	180	2.79	0.15	0.01	12	<20	<10	<10	17	<2	2000	0.25	<10
0302	L10	5+00S	<5	<5	85	1.26	0.04	<0.01	10	<20	<10	10	6	<2	410	0.08	<10
0303	L10	5+50S	<5	<5	165	2.45	0.07	<0.01	11	<20	<10	<10	10	<2	330	0.14	<10
0304	L10	6+00S	<5	<5	140	2.25	0.05	<0.01	9	<20	<10	<10	8	<2	460	0.09	<10
0305	L10	6+50S	<5	<5	175	2.88	0.09	<0.01	11	<20	10	<10	10	<2	1760	0.16	<10
0306	L10	7+00S	<5	<5	185	1.59	0.07	<0.01	14	<20	<10	<10	12	<2	990	0.18	<10
0307	L10	7+50S	<5	<5	265	3.21	0.37	<0.01	10	<20	<10	<10	20	<2	860	0.32	<10
0308	L10	8+00S	<5	<5	165	2.98	0.07	<0.01	12	<20	10	<10	9	<2	940	0.12	<10
0309	L10	8+50S	<5	<5	235	2.55	0.07	<0.01	15	<20	<10	<10	8	<2	500	0.10	<10
0310	L10	9+00S	<5	<5	125	1.26	0.04	<0.01	10	<20	<10	10	5	<2	120	0.05	<10
0311	L10	9+50S	<5	<5	310	3.64	0.12	<0.01	11	<20	<10	10	13	<2	340	0.14	<10

Date of Report: 14-Jul-92 Project 318 BULL

Soil Sampling Results
1992

Reference: 92etk-280, 92etk-291

Sample ID			Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
0312	L10	10+00S	339	<1	12	<0.2	15	147	0.12	0.43	3.68	226	1	63	16	37	<5
0313	L10	10+50S	155	<1	6	<0.2	13	28	0.11	0.40	2.93	269	<1	40	13	28	<5
0314	L10	11+00S	161	<1	14	<0.2	14	35	0.14	0.34	2.96	643	<1	50	15	33	<5
0315	L10	11+50S	228	<1	8	<0.2	19	40	0.10	0.39	2.99	238	<1	51	15	40	<5
0316	L10	12+00S	278	1	10	<0.2	24	57	0.12	0.39	3.22	978	1	61	36	47	<5
0317	L10	12+50S	53	<1	8	<0.2	10	9	0.06	0.16	2.52	357	<1	85	7	49	<5
0319	L11	0+00N	225	1	8	<0.2	16	25	0.09	0.56	3.47	361	1	80	17	34	<5
0320	L11	0+50N	46	<1	6	0.8	16	7	0.12	0.10	1.80	246	<1	26	9	7	<5
0321	L11	1+00N	94	<1	6	<0.2	56	22	0.13	1.45	5.12	355	1	132	22	49	<5
0322	L11	1+50N	115	<1	8	<0.2	43	19	0.17	1.18	5.15	677	1	165	20	47	<5
0323	L11	2+00N	115	<1	6	<0.2	49	15	0.16	1.02	5.23	608	<1	139	23	37	<5
0324	L11	2+50N	407	<1	10	<0.2	32	54	0.16	0.96	3.98	369	1	94	25	51	<5
0325	L11	3+00N	209	1	12	0.6	19	27	0.07	0.14	2.97	394	1	45	30	15	<5
0326	L11	3+50N	258	<1	8	<0.2	28	39	0.12	0.64	3.09	383	5	125	19	55	<5
0327	L11	4+00N	248	<1	10	0.2	20	20	0.11	0.52	4.08	740	5	156	11	61	<5
0328	L11	4+50N	323	1	16	0.2	21	48	0.13	0.30	3.69	504	2	79	16	30	<5
0329	L11	5+00N	296	<1	8	<0.2	23	41	0.07	0.49	3.46	180	2	98	13	47	<5
0330	L11	5+50N	147	<1	10	<0.2	21	14	0.11	0.98	5.68	300	4	218	9	117	<5
0331	L11	6+00N	172	<1	8	0.2	36	22	0.10	0.71	5.18	224	9	182	8	81	<5
0332	L11	6+50N	194	1	10	0.4	15	23	0.21	0.42	3.36	484	1	57	14	28	<5
0333	L11	7+00N	99	3	26	1.0	10	6	0.25	0.05	1.07	6836	4	17	4	5	<5
0334	L11	7+50N	127	<1	14	<0.2	33	27	0.13	0.23	3.84	325	7	119	12	17	<5
0335	L11	8+00N	56	<1	10	<0.2	15	8	0.09	0.17	2.61	362	2	48	7	14	<5
0336	L11	8+50N	246	<1	12	0.2	31	2	0.20	0.35	3.97	770	1	59	13	2	<5
0337	L11	9+00N	112	<1	6	<0.2	25	11	0.12	0.82	4.89	478	1	112	17	27	<5
0338	L11	9+50N	171	1	20	<0.2	69	49	0.34	0.14	6.03	1295	6	44	25	13	<5
0339	L11	10+00N	157	<1	10	<0.2	19	46	0.14	0.33	3.38	423	2	64	15	32	<5
0340	L11	10+50N	133	<1	8	0.4	21	16	0.07	0.16	3.12	2681	1	57	33	28	<5
0341	L11	11+00N	179	<1	10	<0.2	33	37	0.12	0.48	4.67	212	6	246	12	77	<5
0342	L11	11+50N	197	<1	14	<0.2	32	45	0.07	0.24	5.36	210	11	156	11	54	<5
0343	L11	12+00N	175	<1	8	<0.2	13	26	0.09	0.43	3.41	211	2	114	10	77	<5
0344	L11	12+50N	103	<1	10	0.4	15	22	0.07	0.20	3.26	1099	2	100	11	34	<5
0345	L11	13+00N	123	1	10	0.2	10	19	0.17	0.21	3.66	388	2	92	12	38	<5
0346	L11	13+50N	147	1	20	<0.2	36	38	0.47	0.30	4.41	574	3	64	18	27	<5
0347	L11	14+00N	156	1	68	<0.2	37	23	1.60	0.26	6.48	2254	2	47	20	12	<5
0348	L11	14+50N	192	<1	6	<0.2	20	12	0.23	1.27	5.00	678	<1	112	25	34	5
0349	L11	15+00N	107	<1	10	<0.2	30	8	0.12	1.01	5.48	329	<1	115	15	48	<5
0350	L11	15+50N	87	<1	10	<0.2	35	19	0.08	0.40	3.69	271	2	66	11	33	<5
0351	L11	16+00N	361	1	14	<0.2	84	58	0.45	1.50	6.23	567	1	158	29	62	<5

Project 318

Soil Sampling Results (part 2)

Sample ID			As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
0312	L10	10+00S	<5	<5	205	2.40	0.06	<0.01	13	<20	<10	10	11	<2	510	0.14	<10
0313	L10	10+50S	<5	<5	180	2.69	0.05	<0.01	10	<20	<10	10	8	<2	520	0.10	<10
0314	L10	11+00S	5	<5	150	1.60	0.06	<0.01	12	<20	<10	10	7	<2	660	0.09	<10
0315	L10	11+50S	<5	<5	135	2.41	0.04	<0.01	9	<20	10	10	9	<2	1340	0.10	<10
0316	L10	12+00S	<5	<5	150	2.14	0.05	<0.01	10	<20	<10	<10	10	<2	1270	0.11	<10
0317	L10	12+50S	5	<5	100	0.50	0.02	<0.01	8	<20	<10	<10	10	<2	370	0.15	<10
0319	L11	0+00N	<5	<5	190	2.63	0.12	<0.01	7	<20	<10	<10	12	<2	540	0.17	<10
0320	L11	0+50N	<5	<5	105	5.02	0.02	0.01	10	<20	<10	<10	17	<2	1070	0.18	<10
0321	L11	1+00N	5	5	310	3.36	0.28	<0.01	7	<20	<10	<10	26	<2	560	0.36	<10
0322	L11	1+50N	10	5	205	2.59	0.26	<0.01	8	<20	<10	<10	28	<2	870	0.40	<10
0323	L11	2+00N	10	5	245	1.81	0.47	<0.01	9	<20	<10	<10	29	<2	890	0.42	<10
0324	L11	2+50N	5	<5	325	3.16	0.24	0.01	10	<20	<10	<10	19	<2	850	0.26	<10
0325	L11	3+00N	5	<5	185	3.75	0.05	0.01	8	<20	<10	<10	16	<2	1670	0.21	<10
0326	L11	3+50N	5	<5	255	1.23	0.34	<0.01	16	<20	<10	<10	11	<2	460	0.17	<10
0327	L11	4+00N	5	<5	380	2.15	0.14	<0.01	16	<20	<10	<10	12	<2	630	0.19	<10
0328	L11	4+50N	10	<5	215	3.11	0.08	<0.01	12	<20	<10	<10	9	<2	1220	0.12	<10
0329	L11	5+00N	<5	<5	160	2.89	0.07	<0.01	7	<20	<10	<10	12	<2	380	0.16	<10
0330	L11	5+50N	10	<5	435	1.92	0.22	<0.01	21	<20	<10	<10	14	<2	770	0.24	<10
0331	L11	6+00N	10	<5	325	2.15	0.18	<0.01	17	<20	<10	<10	9	<2	890	0.15	<10
0332	L11	6+50N	5	<5	240	4.66	0.13	0.01	12	<20	<10	<10	18	<2	3070	0.23	<10
0333	L11	7+00N	5	<5	350	0.90	0.07	<0.01	12	<20	<10	<10	1	<2	440	0.01	<10
0334	L11	7+50N	10	<5	165	1.18	0.04	<0.01	5	<20	<10	10	3	<2	1050	0.01	<10
0335	L11	8+00N	10	<5	75	0.94	0.04	<0.01	6	<20	<10	10	2	<2	520	0.02	<10
0336	L11	8+50N	5	<5	195	2.57	0.04	<0.01	6	<20	<10	20	6	<2	1850	<0.01	<10
0337	L11	9+00N	10	<5	195	2.67	0.24	<0.01	7	<20	<10	<10	15	<2	760	0.22	<10
0338	L11	9+50N	10	<5	190	3.02	0.02	0.01	11	<20	<10	10	12	<2	1330	0.05	<10
0339	L11	10+00N	5	<5	125	2.97	0.04	<0.01	8	<20	<10	10	9	<2	850	0.09	<10
0340	L11	10+50N	5	<5	115	1.82	0.02	<0.01	5	<20	<10	<10	8	<2	630	0.09	<10
0341	L11	11+00N	10	<5	190	3.31	0.06	0.01	13	<20	<10	<10	12	<2	630	0.17	<10
0342	L11	11+50N	10	<5	125	2.35	0.03	<0.01	11	<20	<10	<10	8	<2	1010	0.11	<10
0343	L11	12+00N	5	<5	170	2.44	0.03	<0.01	9	<20	<10	<10	10	<2	390	0.13	<10
0344	L11	12+50N	5	<5	145	2.65	0.02	0.01	7	<20	<10	<10	10	<2	880	0.13	<10
0345	L11	13+00N	5	<5	150	1.51	0.02	<0.01	11	<20	<10	<10	9	<2	400	0.13	<10
0346	L11	13+50N	<5	<5	105	2.49	0.04	<0.01	12	<20	<10	10	10	<2	2300	0.05	<10
0347	L11	14+00N	5	<5	170	4.19	0.03	0.01	21	<20	<10	40	37	2	6600	0.11	<10
0348	L11	14+50N	<5	5	280	4.24	0.40	0.01	12	<20	<10	<10	27	<2	950	0.38	<10
0349	L11	15+00N	20	<5	330	3.78	0.54	0.01	11	<20	<10	<10	23	2	750	0.34	<10
0350	L11	15+50N	20	<5	125	3.70	0.08	<0.01	8	<20	<10	<10	12	2	910	0.16	<10
0351	L11	16+00N	20	<5	195	4.57	0.13	0.02	35	<20	<10	<10	16	2	1210	0.22	<10

Date of Report: 14-Jul-92 Project 318 BULL

Soil Sampling Results
1992

Reference: 92etk-280, 92etk-291

Sample ID			Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
0352	L11	16+50N	182	<1	10	<0.2	21	27	0.08	0.44	4.95	151	5	197	10	74	<5
0353	L11	17+00N	92	<1	6	<0.2	33	31	0.15	0.20	4.23	552	2	49	22	30	<5
0354	L11	17+50N	251	1	10	0.2	13	30	0.17	0.26	3.29	262	1	54	15	32	<5
0355	L11	18+00N	478	1	14	<0.2	19	153	0.34	0.33	3.51	325	2	102	29	51	<5
0356	L11	18+50N	332	<1	16	0.4	22	76	0.12	0.61	3.76	225	3	79	20	70	<5
0357	L11	19+00N	188	1	6	0.2	14	51	0.12	0.39	2.71	472	<1	43	16	33	<5
0358	L11	19+50N	431	1	8	<0.2	14	114	0.35	0.35	2.47	854	1	61	21	60	<5
0359	L11	20+00N	462	2	10	0.4	27	119	0.19	1.21	4.40	565	2	185	29	208	<5
0360	L11	20+50N	268	1	10	0.2	15	45	0.12	0.28	2.72	337	1	51	13	44	<5
0361	L11	21+00N	101	1	6	0.6	11	18	0.06	0.16	2.27	161	<1	31	10	16	<5
0362	L11	21+50N	71	<1	4	0.2	7	7	0.05	0.11	2.14	243	<1	36	7	15	<5
0363	L11	22+00N	77	<1	10	0.2	7	12	0.07	0.22	2.35	198	1	34	8	19	<5
0364	L11	22+50N	168	<1	8	0.2	9	19	0.08	0.24	2.58	339	<1	34	11	18	<5
0365	L11	23+00N	103	<1	6	0.2	8	12	0.09	0.16	2.15	254	<1	31	10	16	<5
0366	L11	23+50N	129	<1	6	<0.2	9	22	0.15	0.31	2.15	143	1	37	10	23	<5
0367	L11	24+00N	43	<1	4	<0.2	11	19	0.10	0.38	2.22	154	<1	26	7	20	<5
0368	L11	24+50N	82	<1	4	0.4	8	7	0.04	0.09	2.41	111	<1	32	7	11	<5
0369	L11	25+00N	98	<1	8	0.8	13	11	0.06	0.16	2.39	829	<1	42	11	21	<5
0370	L11	25+50N	115	<1	6	<0.2	12	18	0.15	0.23	2.39	283	1	31	10	20	<5
0371	L11	26+00N	164	<1	12	0.8	12	16	0.11	0.18	3.62	128	1	42	15	22	<5
0372	L12	0+00N	78	<1	4	<0.2	21	62	0.46	1.44	4.13	438	<1	117	19	152	<5
0373	L12	0+50N	162	<1	8	<0.2	74	113	0.32	1.56	4.17	1032	<1	96	26	138	<5
0374	L12	1+00N	162	<1	4	<0.2	16	26	0.24	0.72	4.01	326	<1	80	17	50	<5
0375	L12	1+50N	100	<1	4	<0.2	14	19	0.12	0.57	3.73	245	<1	65	11	32	<5
0376	L12	2+00N	140	<1	4	<0.2	33	22	0.23	1.12	4.55	513	<1	119	22	43	<5
0377	L12	2+50N	73	<1	10	<0.2	16	10	0.04	0.31	4.69	88	8	106	3	38	<5
0378	L12	3+00N	138	<1	6	<0.2	11	19	0.11	0.26	2.98	657	1	63	12	39	<5
0379	L12	3+50N	390	<1	10	<0.2	24	50	0.11	0.75	5.16	459	6	256	17	93	<5
0380	L12	4+00N	175	1	8	<0.2	17	50	0.12	0.42	3.60	245	1	110	16	105	<5
0381	L12	4+50N	317	1	8	0.8	50	249	0.25	0.67	3.71	2234	3	66	54	70	<5
0382	L12	5+00N	96	<1	6	0.2	8	25	0.13	0.32	2.60	227	3	37	11	27	<5
0383	L12	5+50N	53	<1	4	0.2	10	16	0.09	0.27	2.30	124	<1	33	10	20	<5
0384	L12	6+00N	145	<1	4	<0.2	20	39	0.12	0.56	2.64	212	<1	46	13	45	<5
0385	L12	6+50N	186	<1	6	1.0	13	26	0.08	0.31	2.19	155	1	36	11	26	<5
0386	L12	7+00N	118	<1	8	0.4	14	22	0.09	0.26	2.46	618	<1	39	11	25	<5
0387	L12	7+50N	143	<1	4	<0.2	10	32	0.13	0.38	2.21	360	<1	40	10	53	<5
0388	L12	8+00N	168	<1	6	<0.2	9	33	0.15	0.32	2.60	471	<1	39	12	33	<5
0389	L12	8+50N	124	<1	2	<0.2	17	50	0.14	0.35	1.90	197	<1	27	9	24	<5
0390	L12	9+00N	61	<1	<2	<0.2	6	11	0.08	0.22	1.44	171	<1	21	5	12	<5

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Soil Sampling Results (part 2)

Sample ID			As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
0352	L11	16+50N	25	<5	150	3.31	0.04	<0.01	9	<20	<10	<10	11	<2	580	0.17	<10
0353	L11	17+00N	20	<5	110	2.83	0.01	<0.01	8	<20	<10	<10	6	<2	1010	0.08	<10
0354	L11	17+50N	25	<5	440	4.98	0.03	0.01	16	<20	<10	<10	12	<2	740	0.15	<10
0355	L11	18+00N	20	<5	200	3.44	0.03	0.01	26	<20	<10	<10	14	<2	600	0.14	<10
0356	L11	18+50N	20	<5	310	3.54	0.06	0.01	14	<20	40	<10	11	2	770	0.14	<10
0357	L11	19+00N	10	<5	200	2.20	0.05	0.01	10	<20	10	10	13	<2	270	0.10	<10
0358	L11	19+50N	15	<5	230	1.40	0.03	<0.01	25	<20	<10	10	12	<2	290	0.09	<10
0359	L11	20+00N	20	<5	405	2.69	0.14	0.01	15	<20	<10	<10	15	<2	1760	0.23	<10
0360	L11	20+50N	20	<5	235	4.43	0.02	0.01	11	<20	<10	<10	13	<2	1330	0.13	<10
0361	L11	21+00N	15	<5	140	2.83	0.02	0.01	7	<20	<10	<10	12	<2	1030	0.12	<10
0362	L11	21+50N	15	<5	110	2.39	0.01	<0.01	7	<20	<10	<10	8	<2	940	0.10	<10
0363	L11	22+00N	20	<5	95	2.61	0.02	<0.01	6	<20	<10	<10	8	<2	1620	0.10	<10
0364	L11	22+50N	20	<5	165	4.05	0.02	0.01	8	<20	<10	<10	10	<2	1230	0.13	<10
0365	L11	23+00N	20	<5	160	3.20	0.02	0.01	8	<20	<10	<10	10	<2	1060	0.13	<10
0366	L11	23+50N	10	<5	145	1.98	0.01	<0.01	11	<20	40	<10	6	<2	430	0.07	<10
0367	L11	24+00N	10	<5	135	1.72	0.03	<0.01	8	<20	<10	10	5	<2	510	0.05	<10
0368	L11	24+50N	15	<5	105	2.08	0.01	<0.01	5	<20	<10	<10	8	<2	330	0.10	<10
0369	L11	25+00N	20	<5	140	4.29	0.01	0.01	7	<20	<10	<10	16	<2	1400	0.17	<10
0370	L11	25+50N	20	<5	135	2.93	0.02	<0.01	10	<20	<10	<10	7	<2	1110	0.09	<10
0371	L11	26+00N	30	<5	135	3.49	0.02	0.01	9	<20	<10	<10	12	<2	990	0.16	<10
0372	L12	0+00N	15	<5	455	2.35	0.47	0.01	19	<20	<10	<10	26	<2	760	0.40	<10
0373	L12	0+50N	15	<5	350	3.01	0.56	0.01	16	<20	<10	<10	29	<2	490	0.26	<10
0374	L12	1+00N	15	<5	290	3.05	0.18	0.01	12	<20	<10	<10	15	<2	570	0.21	<10
0375	L12	1+50N	20	<5	250	2.45	0.12	<0.01	9	<20	<10	<10	10	<2	600	0.15	<10
0376	L12	2+00N	20	5	345	2.54	0.53	<0.01	8	<20	<10	<10	25	<2	1130	0.38	<10
0377	L12	2+50N	20	<5	145	0.89	0.04	<0.01	5	<20	<10	<10	2	<2	510	0.02	<10
0378	L12	3+00N	20	<5	220	2.82	0.03	0.01	9	<20	<10	<10	10	<2	350	0.15	<10
0379	L12	3+50N	20	<5	225	2.71	0.09	<0.01	11	<20	<10	<10	11	<2	920	0.16	<10
0380	L12	4+00N	25	<5	215	2.89	0.02	0.01	11	<20	<10	<10	27	<2	420	0.27	<10
0381	L12	4+50N	25	<5	265	2.94	0.06	0.01	17	<20	<10	10	25	<2	600	0.11	<10
0382	L12	5+00N	10	<5	135	2.19	0.03	<0.01	11	<20	20	<10	8	2	540	0.09	<10
0383	L12	5+50N	10	<5	140	2.00	0.03	0.01	7	<20	<10	<10	11	<2	280	0.13	<10
0384	L12	6+00N	15	<5	200	2.24	0.05	<0.01	10	<20	<10	10	7	<2	230	0.06	<10
0385	L12	6+50N	15	<5	145	2.82	0.03	<0.01	8	<20	<10	<10	9	<2	470	0.10	<10
0386	L12	7+00N	20	<5	170	2.89	0.03	0.01	9	<20	<10	<10	12	<2	800	0.13	<10
0387	L12	7+50N	15	<5	135	1.70	0.03	<0.01	10	<20	<10	<10	7	<2	460	0.09	<10
0388	L12	8+00N	15	<5	225	1.88	0.05	<0.01	10	<20	<10	<10	7	<2	730	0.10	<10
0389	L12	8+50N	10	<5	175	1.45	0.03	<0.01	9	<20	<10	<10	6	<2	460	0.05	<10
0390	L12	9+00N	5	<5	55	0.74	0.02	<0.01	6	<20	<10	<10	4	<2	340	0.04	<10

Date of Report: 14-Jul-92 Project 318 BULL

Soil Sampling Results
1992

Reference: 92etk-280, 92etk-291

Sample ID			Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
0391	L12	9+50N	64	<1	2	<0.2	6	15	0.10	0.31	2.01	209	<1	24	8	18	<5
0392	L12	10+00N	98	<1	2	0.4	10	21	0.11	0.45	2.67	579	<1	31	12	27	<5
0029	L14	0+00S	132	<1	<2	<0.2	66	25	0.33	1.23	4.47	350	<1	120	22	45	<5
0198	L14	0+50S	63	<1	12	0.2	30	34	0.14	0.38	2.50	739	1	46	12	26	<5
0274	L14	1+00S	131	<1	6	<0.2	23	45	0.21	0.84	3.64	748	<1	79	19	64	<5
0275	L14	1+50S	110	<1	2	<0.2	27	81	0.20	1.15	3.88	553	<1	85	22	116	<5
0318	L14	2+00S	106	<1	<2	<0.2	36	55	0.38	1.42	4.87	503	<1	125	27	105	5
0393	L14	2+50S	227	3	18	0.2	34	32	0.41	0.61	4.28	1896	<1	99	15	47	<5
0394	L14	3+00S	48	<1	4	0.2	10	9	0.05	0.22	1.93	92	1	30	6	22	<5
0395	L14	3+50S	188	<1	6	<0.2	38	33	0.35	1.13	4.56	1010	<1	94	22	59	<5
0396	L14	4+00S	141	<1	<2	<0.2	24	108	0.21	2.26	5.09	858	<1	132	30	221	5
0397	L14	4+50S	124	<1	<2	<0.2	35	42	0.27	1.58	4.47	646	<1	113	22	84	<5
0398	L14	5+00S	157	<1	4	<0.2	52	82	0.31	1.60	5.00	412	<1	129	28	134	<5
0399	L14	5+50S	149	<1	6	<0.2	14	24	0.14	0.53	3.16	595	<1	66	16	36	<5
0400	L14	6+00S	155	<1	<2	<0.2	109	85	0.51	1.93	5.32	531	1	147	28	106	<5
0401	L14	6+50S	198	<1	6	<0.2	43	23	0.20	0.98	4.43	1287	<1	115	24	36	<5
0402	L14	7+00S	115	<1	2	<0.2	52	138	0.33	1.69	4.89	302	1	130	29	171	<5
0403	L14	7+50S	122	<1	2	<0.2	26	60	0.29	1.51	4.29	1929	<1	100	27	114	5
0404	L14	8+00S	149	<1	8	<0.2	23	35	0.36	1.08	3.82	1915	<1	91	20	96	5
0405	L14	8+50S	136	<1	4	<0.2	44	54	0.34	1.14	4.82	806	<1	117	26	54	5
0406	L14	9+00S	102	<1	2	<0.2	13	19	0.11	0.38	2.31	624	<1	38	11	26	<5
0407	L14	9+50S	123	<1	4	0.6	14	18	0.11	0.35	2.57	677	<1	49	12	23	<5
0408	L14	10+00S	74	<1	<2	<0.2	14	21	0.10	0.40	2.23	205	<1	38	10	26	<5
0409	L14	10+50S	66	<1	2	<0.2	19	25	0.12	0.45	2.58	213	<1	45	12	28	<5
0410	L14	11+00S	49	<1	2	<0.2	20	20	0.09	0.47	2.44	198	<1	40	11	23	<5
0411	L14	11+50S	129	<1	2	<0.2	42	27	0.21	1.08	4.99	582	<1	125	25	48	<5
0412	L14	12+00S	111	<1	<2	<0.2	24	37	0.16	1.38	5.40	415	<1	148	26	90	5
STATS:																	
		n=	412														
		Max :	1434	10	76	1.8	213	503	3.04	2.98	11.13	6836	43	461	91	377	10
		Min :	16	<1	<2	<0.2	4	2	0.04	0.05	0.52	35	<1	13	2	2	<5
		25% ile :	123	<1	4	<.02	13	24	0.11	0.35	2.45	224	<1	45	11	28	<5
		50% ile :	168	<1	8	<.02	19	38	0.15	0.48	3.03	309	<1	59	14	39	<5
		75% ile :	248	1	10	0.2	31	59	0.25	0.72	3.97	498	1	94	19	60	<5
		95% ile :	466	3	18	0.4	62	145	0.69	1.50	6.08	988	6	212	30	135	5

Project 318

Soil Sampling Results (part 2)

Sample ID			As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
0391	L12	9+50N	10	<5	95	1.35	0.04	<0.01	8	<20	<10	10	5	<2	370	0.05	<10
0392	L12	10+00N	10	<5	170	1.80	0.05	<0.01	11	<20	<10	10	5	<2	450	0.06	<10
0029	L14	0+00S	10	5	260	2.80	0.52	<0.01	14	<20	<10	10	29	<2	600	0.36	<10
0198	L14	0+50S	5	<5	115	2.24	0.08	<0.01	11	<20	<10	10	16	<2	490	0.12	<10
0274	L14	1+00S	15	5	135	3.50	0.24	0.01	13	<20	<10	<10	18	<2	1440	0.24	<10
0275	L14	1+50S	15	<5	145	3.14	0.29	<0.01	12	<20	<10	<10	20	<2	900	0.28	<10
0318	L14	2+00S	15	5	205	2.73	0.52	<0.01	16	<20	<10	<10	29	<2	940	0.42	<10
0393	L14	2+50S	10	5	280	2.62	0.29	0.01	37	<20	<10	10	17	<2	2840	0.22	<10
0394	L14	3+00S	5	<5	35	2.24	0.05	<0.01	12	<20	<10	<10	8	<2	1080	0.11	10
0395	L14	3+50S	5	<5	245	3.12	0.39	<0.01	15	<20	<10	<10	24	<2	2660	0.34	<10
0396	L14	4+00S	5	5	250	3.41	0.92	<0.01	9	<20	<10	<10	31	<2	610	0.45	<10
0397	L14	4+50S	<5	<5	200	2.45	0.62	<0.01	14	<20	<10	<10	24	<2	650	0.37	<10
0398	L14	5+00S	15	<5	220	3.77	0.39	0.01	15	<20	<10	<10	26	<2	480	0.36	<10
0399	L14	5+50S	10	<5	160	2.36	0.16	<0.01	9	<20	<10	<10	17	<2	930	0.24	<10
0400	L14	6+00S	10	5	255	3.57	0.69	<0.01	16	<20	<10	10	37	<2	280	0.41	<10
0401	L14	6+50S	10	5	240	2.33	0.54	<0.01	8	<20	<10	<10	28	<2	1280	0.40	<10
0402	L14	7+00S	10	5	250	4.29	0.29	0.01	15	<20	<10	<10	26	2	650	0.33	<10
0403	L14	7+50S	10	5	295	3.00	0.54	0.01	12	<20	<10	<10	29	<2	910	0.40	<10
0404	L14	8+00S	5	5	520	2.10	0.51	0.01	16	<20	<10	<10	23	<2	740	0.31	<10
0405	L14	8+50S	10	5	275	3.23	0.64	0.01	18	<20	<10	10	42	<2	430	0.41	<10
0406	L14	9+00S	5	<5	80	1.63	0.07	<0.01	8	<20	<10	10	9	<2	920	0.11	<10
0407	L14	9+50S	10	<5	115	2.91	0.08	0.01	9	<20	<10	<10	16	<2	560	0.20	<10
0408	L14	10+00S	10	<5	80	1.63	0.06	<0.01	8	<20	<10	10	8	<2	360	0.09	<10
0409	L14	10+50S	5	5	65	2.08	0.09	<0.01	9	<20	<10	10	11	<2	550	0.12	<10
0410	L14	11+00S	<5	<5	65	1.99	0.08	<0.01	8	<20	<10	10	12	<2	820	0.10	<10
0411	L14	11+50S	10	5	225	3.46	0.39	<0.01	11	<20	<10	<10	29	<2	1060	0.42	<10
0412	L14	12+00S	15	5	165	2.98	0.43	<0.01	7	<20	<10	<10	32	<2	690	0.46	<10
STATS:																	
		n=	412														
		Max :	35	10	2600	6.98	1.60	0.09	127	<20	60	50	70	84	>10000	0.51	30
		Min :	<5	<5	35	0.50	0.01	<0.01	5	<20	<10	<10	1	<2	120	<0.01	<10
		25% ile :	<5	<5	160	2.00	0.05	<0.01	10	<20	<10	<10	10	<2	580	0.11	<10
		50% ile :	<5	<5	220	2.51	0.08	0.01	12	<20	<10	<10	13	<2	920	0.15	<10
		75% ile :	5	<5	300	3.11	0.16	0.01	18	<20	<10	10	17	<2	1290	0.20	<10
		95% ile :	20	5	520	4.19	0.54	0.02	44	<20	10	20	29	2	2660	0.36	<10

Date of Report: 14-Jul-92 Project 318 BULL

Soil Sampling Results
1992

Reference: 92etk-280, 92etk-291

Sample ID	Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
Check Analysis:															
76 L 1 6+50W	302	1	6	<0.2	22	96	1.06	0.65	3.32	693	<1	66	31	106	<5
114 L 3 6+00S	153	<1	6	0.2	9	37	0.08	0.25	2.25	312	<1	46	12	29	<5
152 L 4 8+00S	118	<1	<2	<0.2	21	34	0.14	0.49	2.23	168	<1	49	12	34	<5
190 L 5 11+50N	407	3	8	<0.2	30	19	0.37	1.27	6.34	642	6	203	11	94	5
230 L 7 6+50W	302	5	28	<0.2	23	58	1.32	0.73	2.44	714	5	31	11	22	<5
268 L 9 2+50W	243	2	22	0.2	31	44	0.32	0.42	3.01	775	<1	44	14	28	<5
308 L10 8+00S	487	2	4	<0.2	10	44	0.13	0.35	3.11	188	<1	47	13	30	<5
347 L11 14+00N	156	1	66	<0.2	37	24	1.57	0.27	6.61	2306	2	48	20	12	<5
385 L12 6+50N	188	<1	4	1.0	13	26	0.08	0.31	2.22	160	<1	36	11	26	<5
402 L14 7+00S	113	<1	2	<0.2	50	138	0.32	1.70	4.83	290	<1	129	29	170	<5
Standard:															
STANDARD 1991	66	<1	12	1.2	77	23	2.00	1.05	4.21	724	<1	86	22	72	<5
STANDARD 1991	68	<1	12	1.0	76	24	1.93	1.01	4.13	709	<1	86	21	70	<5
STANDARD 1991	70	<1	12	1.0	74	22	1.93	1.00	4.11	701	<1	84	21	69	<5
STANDARD 1991	62	<1	10	1.2	73	22	1.89	1.01	3.98	693	<1	77	20	63	<5
STANDARD 1991	59	<1	8	1.0	73	22	1.82	1.01	3.95	678	<1	82	20	66	<5
STANDARD 1991	63	<1	12	0.8	71	22	1.78	0.99	3.79	649	<1	77	19	64	<5
STANDARD 1991	65	<1	12	0.8	71	22	1.83	0.98	3.86	664	<1	78	20	64	<5
STANDARD 1991	62	<1	10	1.2	75	21	1.85	0.98	3.91	678	<1	76	19	61	<5
STANDARD 1991	65	<1	12	1.0	78	22	1.86	1.01	4.11	695	<1	84	20	67	<5
STANDARD 1991	62	<1	12	1.2	75	21	1.82	0.96	3.82	664	<1	74	19	60	<5
STANDARD 1991	65	<1	10	0.8	77	21	1.89	1.02	4.12	701	<1	83	20	66	<5
STANDARD 1991	66	<1	12	1.0	77	22	1.90	1.03	4.11	701	<1	84	20	69	<5
STANDARD 1991	65	<1	10	1.2	75	21	1.86	0.93	3.98	688	<1	80	20	65	<5

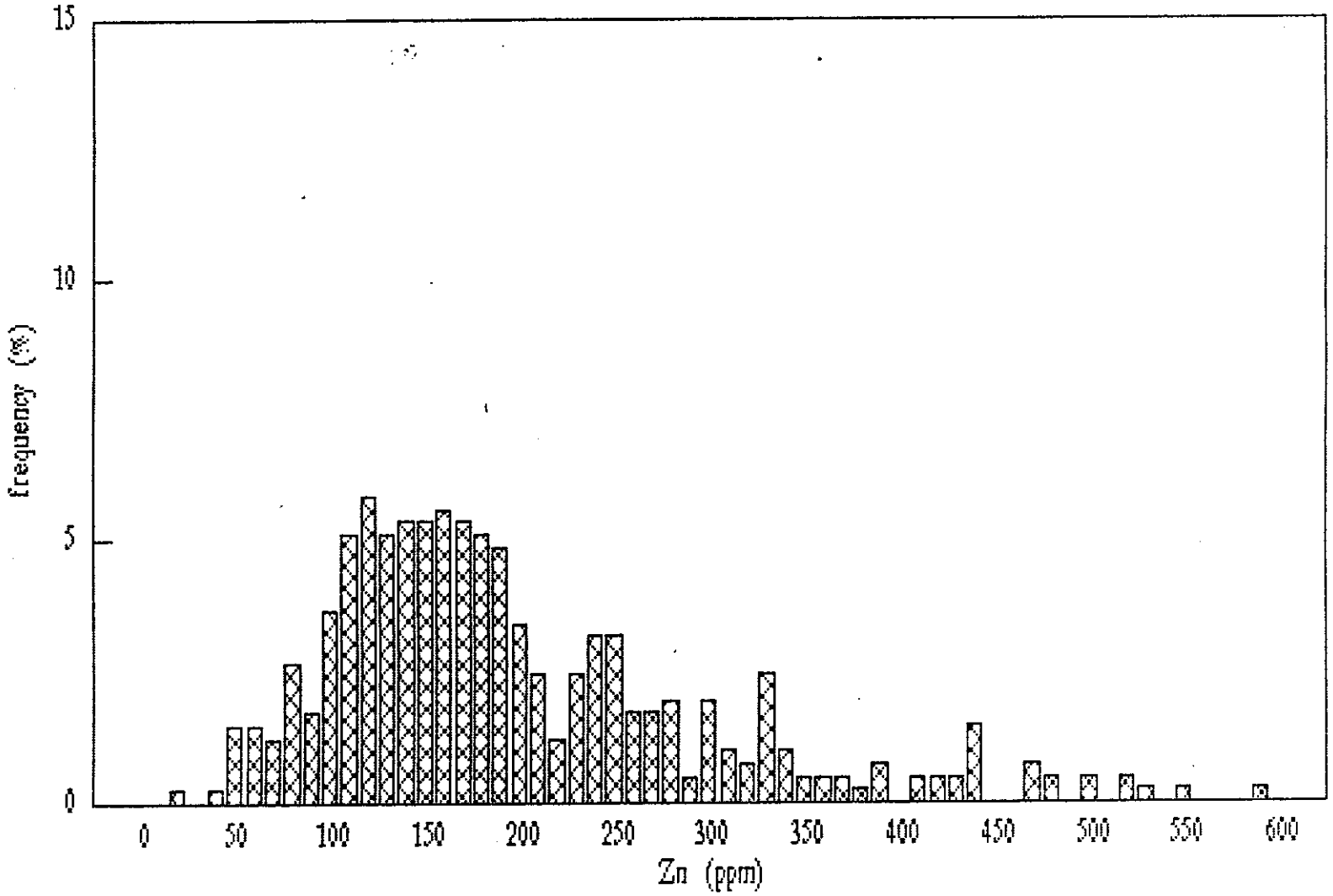
Project 318

Soil Sampling Results (part 2)

Sample ID	As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
Check Analysis:															
76 L 1 6+50W	<5	<5	530	2.44	0.22	0.05	58	<20	<10	<10	15	2	1270	0.21	<10
114 L 3 6+00S	<5	<5	130	2.52	0.04	<0.01	8	<20	<10	<10	10	<2	1010	0.13	<10
152 L 4 8+00S	<5	<5	290	1.63	0.10	<0.01	10	<20	<10	<10	10	<2	430	0.11	<10
190 L 5 11+50N	5	5	415	1.96	0.70	0.01	57	<20	<10	10	14	<2	1650	0.21	<10
230 L 7 6+50W	<5	<5	275	2.47	0.07	0.01	30	<20	<10	30	31	2	4750	0.09	<10
268 L 9 2+50W	<5	<5	180	2.82	0.05	0.01	14	<20	<10	20	17	<2	1240	0.11	<10
308 L10 8+00S	<5	<5	165	3.01	0.06	<0.01	12	<20	20	<10	9	<2	940	0.12	<10
347 L11 14+00N	10	<5	175	4.25	0.03	0.01	21	<20	<10	40	37	2	6460	0.12	<10
385 L12 6+50N	10	<5	150	2.87	0.04	<0.01	8	<20	<10	<10	9	<2	490	0.10	<10
402 L14 7+00S	<5	5	250	4.26	0.29	0.01	15	<20	<10	<10	26	<2	620	0.33	<10
Standard:															
STANDARD 1991	55	5	205	2.05	0.38	0.02	65	<20	<10	<10	17	2	700	0.14	<10
STANDARD 1991	45	5	210	2.04	0.38	0.02	65	<20	<10	<10	16	2	700	0.14	<10
STANDARD 1991	45	5	205	2.04	0.38	0.01	63	<20	<10	<10	16	2	680	0.14	<10
STANDARD 1991	45	5	215	1.88	0.37	0.01	58	<20	<10	<10	15	8	680	0.12	<10
STANDARD 1991	45	5	210	1.97	0.37	0.01	60	<20	<10	<10	15	2	640	0.13	<10
STANDARD 1991	45	5	220	1.82	0.37	0.01	58	<20	<10	10	14	<2	660	0.12	<10
STANDARD 1991	50	5	220	1.87	0.36	0.01	60	<20	<10	10	15	2	720	0.12	<10
STANDARD 1991	45	<5	220	1.87	0.37	0.01	59	<20	<10	<10	14	8	650	0.12	<10
STANDARD 1991	70	5	245	1.97	0.36	0.01	61	<20	<10	<10	14	2	650	0.13	<10
STANDARD 1991	50	<5	240	1.81	0.36	0.01	59	<20	<10	<10	13	8	640	0.11	<10
STANDARD 1991	50	5	235	1.99	0.38	0.01	60	<20	<10	<10	15	2	730	0.13	<10
STANDARD 1991	65	5	240	2.03	0.37	0.02	65	<20	<10	<10	14	2	640	0.14	<10
STANDARD 1991	50	5	120	1.91	0.35	0.01	59	<20	<10	<10	14	2	670	0.12	<10

BULL – Recce Soils – Zn histogram

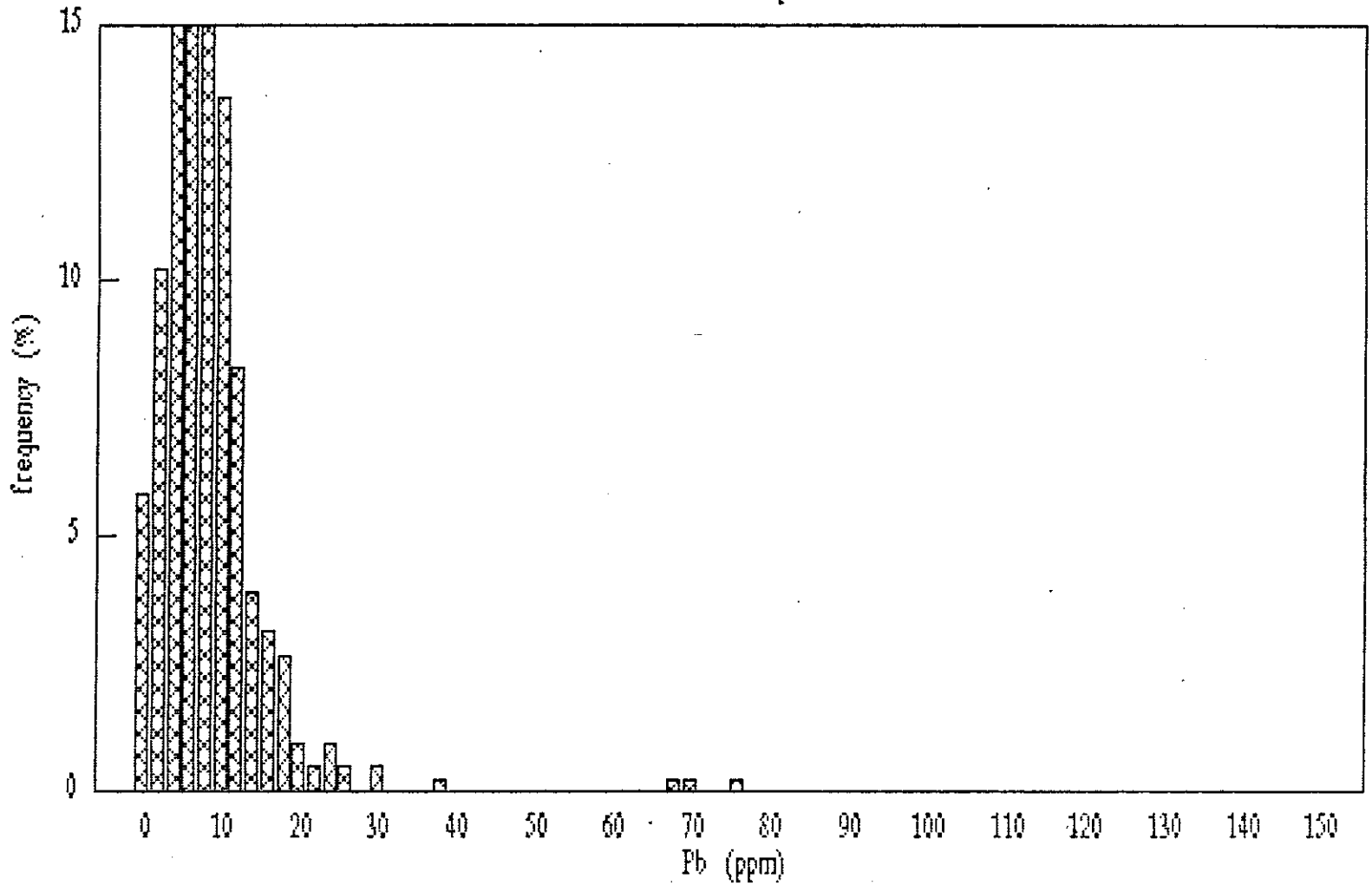
n= 412 samples, 2.9% >600ppm



Date: 15–Jul–92

BULL – Recce Soils – Pb histogram

n= 412 samples



3rd Bar 15.1%, 4th Bar 17.5%, 5th Bar 15.5%

Date: 15-Jul-92

APPENDIX IV

Analalytical Procedures

ECO-TECH LABORATORIES LTD.
ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

GEOCHEMICAL LABORATORY METHODS

SAMPLE PREPARATION (STANDARD)

1. Soil or Sediment: Samples are dried and then sieved through 80 mesh sieves.

2. Rock, Core: Samples dried (if necessary), crushed, riffled to pulp size and pulverized to approximately -140 mesh.

3. Humus/Vegetation: The dry sample is ashed at 550 C. for 5 hours.

METHODS OF ANALYSIS

All methods have either canmet certified or in-house standards carried through entire procedure to ensure validity of results.

1. MULTI ELEMENT ANALYSES

(a) ICP Packages (6,12,30 element).

Digestion	Finish
Hot Aqua Regin	ICP

(b) ICP - Total Digestion (24 element).

Digestion	Finish
Hot HClO4/HNO3/HF	ICP

(c) Atomic Absorption (Acid Soluble)
Ag*, Cd*, Cr, Co*, Cu, Fe, Pb*, Mn, Mo, Ni*, Zn.

Digestion	Finish
Hot Aqua Regia	Atomic Absorption * = Background corrected

(d) Whole Rock Analyses.

Digestion	Finish
Lithium Metaborate fusion	ICP

ECO-TECH LABORATORIES LTD.
ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-45

2. Antimony

Digestion	Finish
Hot aqua regia	ICP

3. Arsenic

Digestion	Finish
Hot aqua regia	Hydride generation - A.A.S.

4. Barium

Digestion	Finish
Lithium Metaborate	ICP

5. Beryllium

Digestion	Finish
Hot aqua regia	Atomic Absorption

6. Bismuth

Digestion	Finish
Hot aqua regia	Atomic Absorption (Background Corrected)

7. Chromium

Digestion	Finish
Sodium Peroxide Fusion	Atomic Absorption

8. Flourine

Digestion	Finish
Lithium Metaborate Fusion	Ion Selective Electrode

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9. Gallium

Digestion	Finish
Hot HClO4/HNO3/HF	Atomic Absorption

10. Germanium

Digestion	Finish
Hot HClO4/HNO3/HF	Atomic Absorption

11. Mercury

Digestion	Finish
Hot aqua regia	Cold vapor generation - A.A.S.

12. Phosphorus

Digestion	Finish
Lithium Metaborate Fusion	ICP finish

13. Selenium

Digestion	Finish
Hot aqua regia	Hydride generation - A.A.S.

14. Tellurium

Digestion	Finish
Hot aqua regia Potassium Bisulphate Fusion	Hydride generation - A.A.S. Colorimetric or I.C.P.

APPENDIX V

Rock Sample Descriptions

PROJECT: Bull (1718)				DATE:		TYPE: ICP GEOCHEM		NAME:		
SAMPLE NO.	Pb	Zn	Ag	LITHOLOGY & SAMPLE TYPE	LOCATION	MINERALIZATION	ALTERATION	VEINING & TEXTURES	STRUCTURAL ASPECTS	COMMENTS
27321	10 ppm	49 ppm	<.2 ppm	AMPHIBOLITE FLOAT	L-7 0+00W	Po,Py dissem 2-3%				o/c
27322	20 ppm	54 ppm	.2 ppm	White Quartzite	L-7 0+50W	2-3% dissem py				o/c
27345	38	96 ppm	<.2 ppm	Gossanous Quartzite	L-6 6+50N	2-3% py				o/c
27265	4 ppm	45 ppm	<.2 ppm	Gossanous Graphitic BIOTITE SCHIST	L-5 11+35N	tr py dissem				Float
27266	<2 ppm	98 ppm	<.2 ppm	GOSSANOUS BIOTITE SCHIST	L-5 11+70	tr py dissem			Foln 092/12 NE	o/c
27267	<2 ppm	25 ppm	<.2 ppm	GOSSANOUS QUARTZITE	L-5 11+85	tr py dissem			Foln 088/14 NW	o/c
27268	2 ppm	85 ppm	.4 ppm	GOSSANOUS BIOTITE SCHIST	L-3 2+10 S	tr py,po dissem			Foln 101/32 NE	o/c
27269	<2 ppm	303 ppm	<.2 ppm	GOSSANOUS BIOTITE SCHIST	L-3 2+05 S	tr py dissem	has pale green mica			o/c
27270	<2 ppm	90 ppm	<.2 ppm	Biotite Schist +Quartzite	L-3 190 S	tr py dissem			Foln 068/18 NW	o/c

PROJECT:				DATE:		TYPE: ICP GEOCHEM		NAME:		
SAMPLE NO.	Pb	Zn	Ag	LITHOLOGY & SAMPLE TYPE	LOCATION	MINERALIZATION	ALTERATION	VEINING & TEXTURES	STRUCTURAL ASPECTS	COMMENTS
27271	<2 ppm	23 ppm	<.2 ppm	Biotite Schist w/ Quartzite	L-3 175S	tr py dissem				Float
27281	2 ppm	.48%	<.2 ppm	Biotite Schist (Gossanous) Quartzite Lam	L-6 5+00N	1% dissem py				Float
27282	6 ppm	1.14%	<.2 ppm	Biotite Schist w/ Quartzite Laminations	L-6 6+00N	1% dissem py				o/c

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FAX - 604-573-4557

JULY 23, 1992

TECK EXPLORATION LTD. ETK 92-322
350, 272 Victoria Street
KAMLOOPS, B.C.
V2C 2A2

ATTENTION: GRAEME EVANS
PROJECT #:1717

VALUES IN PPM UNLESS OTHERWISE REPORTED

12 ROCK SAMPLES RECEIVED JULY 16, 1992

BULL

ET#	DESCRIPTION	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
1	- 27251	.6	2.93	20	46	45	<5	2.82	2	14	72	33	2.94	.08	10	.40	75	3	.22	27	580	116	5	<20	112	.09	<10	24	<10	9	328
2	- 27317 *	.2	.33	5	6	35	<5	.49	<1	17	183	32	1.87	<.01	<10	.27	63	2	.02	125	510	42	<5	<20	8	.08	<10	21	10	9	134
3	- 27319	.2	.66	25	2	30	<5	.40	<1	14	192	38	4.94	.01	10	.12	142	3	.01	82	190	46	<5	<20	8	.02	10	16	<10	1	184
4	- 27320	<.2	1.49	10	2	45	<5	1.31	3	6	77	73	.98	.15	<10	.38	59	11	.04	48	1250	34	<5	<20	132	.06	<10	245	<10	9	295
5	- 27321	<.2	1.49	20	<2	40	<5	1.56	<1	39	27	64	5.56	.01	10	.85	209	1	.10	2	<10	10	<5	<20	45	.11	<10	430	<10	5	49
6	- 27322	.2	.53	<5	2	15	<5	.51	<1	1	121	3	.38	.07	<10	.02	110	2	.04	3	470	20	<5	<20	34	<.01	20	5	<10	4	54
7	- 27323	<.2	2.44	20	2	80	<5	.15	<1	30	365	47	3.78	1.56	10	2.42	240	4	.05	130	240	18	<5	<20	7	.28	<10	203	<10	22	154
8	- 27324	<.2	4.05	15	2	150	<5	3.10	<1	18	157	28	1.59	.08	<10	.42	313	3	.04	86	1170	12	<5	<20	37	.06	<10	57	<10	7	58
9	- 27325	1.8	.68	5	<2	55	<5	1.81	6	21	276	63	2.23	.11	10	.67	50	20	.01	201	5810	10	<5	<20	29	.08	<10	100	<10	12	231
10	- 27326	.4	.32	15	<2	30	<5	.14	8	6	256	72	2.26	.05	10	.15	59	13	<.01	36	920	20	<5	<20	4	<.01	10	68	<10	4	421
11	- 27327	<.2	1.15	5	<2	15	<5	2.14	<1	7	72	8	1.29	<.01	<10	.43	99	4	.01	31	770	8	<5	<20	156	.04	<10	21	<10	5	47
12	- 27328	.4	.40	20	<2	40	<5	.84	<1	10	213	135	4.25	.03	20	.06	1838	15	<.01	52	2740	2	<5	<20	22	.04	10	173	<10	7	82
QC DATA																															
REPEAT #:																															
5	- 27321	<.2	1.52	20	2	45	5	1.60	<1	40	29	66	5.69	.01	.10	.87	210	2	.11	2	<10	12	5	<20	46	.12	<10	435	10	6	50
STANDARD 1991		1.2	1.89	55	<2	185	<5	1.89	<1	20	68	71	4.03	.37	<10	.98	675	<1	.02	22	650	12	5	<20	69	.14	<10	59	<10	.6	63

NOTE: < = LESS THAN
> = GREATER THAN
* WAS NOT LISTED

SC/TECK1717

ECO-TECH LABORATORIES LTD.
FRANK J. PEZZOTTI, A.Sc.T.

ECO-TECH LABORATORIES LTD.
10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

JULY 31, 1992

TECK EXPLORATION LTD. ETK 92-345
350, 272 Victoria Street
KAMLOOPS, B.C.
V2C 2A2

ATTENTION: GRAEME EVANS
PROJECT #: 1718
25 ROCK SAMPLES RECEIVED JULY 23, 1992

VALUES IN PPM UNLESS OTHERWISE REPORTED

ET#	DESCRIPTION	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
1 -	27265	<.2	.51	20	2	220	<5	.09	<1	2	196	35	1.27	.28	<10	.29	172	22	.01	3	400	4	<5	<20	23	.34	<10	156	<10	3	45
2 -	27266	<.2	2.72	10	<2	115	<5	.15	<1	29	397	48	4.62	1.44	<10	2.61	147	5	.05	48	400	<2	<5	<20	12	.27	<10	205	<10	16	98
3 -	27267	<.2	.19	10	<2	45	<5	.03	<1	1	331	10	.68	.07	<10	.11	48	21	<.01	5	120	<2	<5	<20	3	.01	<10	12	<10	1	25
4 -	27268	.4	.59	10	<2	135	<5	.05	1	2	177	20	2.41	.38	<10	.53	168	9	.01	3	420	2	<5	<20	20	.05	<10	143	<10	3	85
5 -	27269	<.2	.54	5	<2	135	<5	.04	11	6	175	46	2.55	.35	<10	.34	83	26	<.01	23	440	<2	<5	<20	19	.03	<10	168	<10	2	303
6 -	27270	<.2	.87	10	<2	110	<5	.03	<1	7	180	30	1.34	.44	<10	.48	202	6	.02	14	310	<2	<5	<20	12	.12	<10	126	<10	7	90
7 -	27271	<.2	.24	5	<2	35	<5	.09	<1	1	110	5	.80	.08	<10	.08	72	7	.04	2	260	<2	<5	<20	40	.04	<10	22	<10	3	23
8 -	27272	.4	1.50	10	<2	55	<5	.40	<1	6	228	46	2.34	.88	<10	1.26	485	6	.04	9	960	<2	<5	<20	39	.15	<10	288	<10	13	114
9 -	27273	<.2	1.64	5	<2	45	<5	1.35	3	9	288	46	3.84	.22	<10	.60	181	13	.06	57	2100	<2	<5	<20	122	.07	<10	223	<10	13	202
10-	27274	<.2	.27	<5	<2	30	<5	.06	<1	1	120	10	.94	.06	<10	.15	189	4	.03	2	150	2	<5	<20	25	.01	<10	22	<10	2	48
11-	27275	.2	1.66	10	<2	45	<5	.76	<1	13	244	44	3.12	.29	<10	.96	268	8	.07	51	560	<2	<5	<20	40	.11	<10	88	<10	9	73
12-	27276	<.2	.53	10	<2	20	<5	.37	<1	1	113	8	.62	.05	<10	.18	132	3	.03	10	770	6	<5	<20	22	<.01	10	50	<10	7	69
13-	27277	1.2	.13	10	<2	35	10	.73	41	12	82	13	>15	.01	<10	.03	49	6	<.01	7	2390	518	<5	<20	6	.01	20	11	<10	<1	>10000
14-	27278	1.4	.31	15	<2	50	10	.87	15	19	46	46	>15	<.01	<10	.03	92	2	<.01	15	2210	174	<5	<20	17	.01	30	7	<10	<1	>10000
15-	27279	2.2	.04	15	<2	40	10	1.08	286	15	46	33	>15	<.01	<10	.05	338	6	<.01	4	3310	26	<5	<20	26	.01	30	<1	<10	<1	>10000
16-	27280	1.4	1.29	5	<2	45	<5	1.84	67	12	26	125	13.16	.10	<10	.16	266	7	<.01	32	5920	6	<5	<20	9	.01	20	9	<10	9	>10000
17-	27281	<.2	.42	<5	<2	50	<5	.26	18	4	210	33	2.05	.33	<10	.34	185	13	.02	21	1140	2	<5	<20	8	.05	<10	226	<10	7	3788
18-	27282	<.2	.61	10	<2	25	<5	.37	13	4	199	34	3.51	.36	<10	.42	191	23	.01	8	1100	6	<5	<20	11	.06	<10	423	<10	4	>10000
19-	27283	<.2	.34	<5	<2	55	<5	.06	1	2	166	11	1.00	.13	<10	.21	86	6	.02	8	170	2	<5	<20	14	.03	<10	55	<10	2	377
20-	37343	1.2	.70	15	<2	115	<5	13.00	4	7	120	28	1.28	.19	10	.68	302	5	<.01	64	960	<2	<5	<20	761	<.01	<10	87	<10	13	289
21-	37344	.6	.66	15	<2	45	<5	10.10	11	9	129	45	1.96	.10	<10	.47	459	5	<.01	107	1660	<2	<5	<20	408	<.01	<10	171	<10	15	294
22-	37345	<.2	.15	5	4	50	<5	.68	1	1	91	7	1.05	.03	<10	.05	87	218	.03	10	610	38	<5	<20	32	.04	<10	17	<10	6	96
23-	L-1	.8	.08	<5	<2	55	5	2.49	25	15	53	46	>15	.01	<10	.16	117	2	<.01	7	4310	332	<5	<20	67	.01	20	15	<10	<1	>10000
24-	L-2	.2	1.14	15	4	55	<5	7.51	2	7	91	73	2.23	.46	<10	2.16	352	20	<.01	26	10000	248	<5	<20	178	.03	<10	182	<10	15	1850
25-	L-3	1.0	.44	15	<2	60	15	1.98	34	13	86	19	>15	.08	<10	.21	97	7	<.01	11	3760	724	<5	<20	21	.03	20	80	<10	1	>10000

Bull (rows 1–7)
Gossan Bio Sch w/ Gar Mica - Bull (row 5)
Bull (rows 16–18)
Bull (row 22)

NOTE: < = LESS THAN
> = GREATER THAN

ECO-TECH LABORATORIES LTD.
FRANK J. PEZZOTTI, A.Sc.T.
B.C. Certified Assayer

EC/TECK2

ECO-TECH LABORATORIES LTD.
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JULY 29 , 1992

CERTIFICATE OF ASSAY ETK 92-345

TECK EXPLORATION
350, 272 Victoria Street
KAMLOOPS, B.C.
V2C 2A2

ATTENTION: GRAEME EVANS

SAMPLE IDENTIFICATION: 25 ROCK samples received JULY 23, 1992
PROJECT: 1718

ET#	Description	Ag (g/t)	Ag (oz/t)	Pb (%)	Zn (%)	
1-	27265	.8	<.01	.01	.01	Bull Property
2-	27266	.1	.00	<.01	.01	
3-	27267	.1	.00	.01	<.01	
4-	27268	.9	.03	<.01	.01	
5-	27269	.7	.02	.01	.04	
6-	27270	.2	.01	<.01	.01	
7-	27271	.2	.01	<.01	<.01	
8-	27272	1.3	.04	<.01	.02	
9-	27273	.6	.02	<.01	.03	
10-	27274	.2	.01	<.01	.01	
11-	27275	.3	.01	<.01	.01	
12-	27276	.2	.01	<.01	.01	
13-	27277	1.8	.05	.08	4.44	
14-	27278	1.7	.05	.03	1.14	
15-	27279	3.2	.09	.01	18.80	
16-	27280	1.6	.05	.01	6.74	
17-	27281	.1	.00	<.01	.48	Bull Property
18-	27282	.3	.01	<.01	1.14	
19-	27283	.2	.01	<.01	.06	
20	27343	1.6	.05	<.01	.06	
21	27344	.8	.02	.01	.06	
22	27345	.2	.01	.01	.01	
23	L-1	1.1	.03	.06	2.58	
24	L-2	.4	.01	.04	.20	
25	L-3	1.6	.05	.10	3.42	

NOTE: < = LESS THAN

ECO-TECH LABORATORIES LTD.
FRANK J. PEZZOTTI, A.Sc.T.
B.C. CERTIFIED ASSAYER

APPENDIX VI

MAGNETOMETER VALUES

MAGNETIC READINGS FOR LINES ON THE BULL PROPERTY

(Mag. Values are readings with 57,500 gammas subtracted)

LINE	Mag Value		LINE	Mag Value		LINE	Mag Value		LINE	Mag Value
L# 4			L# 4			L# 7			8+75	+37
0+S	+45		5S	+90		4+75	+501		9+00	+109
0+25	-35		5+25	+446		5+00	+747		9+25	+337
0+50	-15		5+50	+529		5+25	+609		9+50	+1236
0+75	+37		5+75	+107		5+50	+424		9+75	+611
1+00	+09		6+00	+79					10	-502
1+25	-45		6+25	-05		L# 11			10+25	-499
1+50	+24		6+50	+41		5N	0		10+50	-518
1+75	+32		6+75	+108		5+25	+16		10+75	-57
2+00	+18		7+00	+118		5+50	+85		11	+53
2+25	+154		7+25	+52		5+75	+692		11+25	+8
2+50	+82		7+50	+81		6+00	+196		11+50	-53
2+75	+109					6+25	-154		11+75	+7
3+00	+63		L# 7			6+50	-33		12	-8
3+25	+71		3W	+180		6+75	+93		12+25	+132
3+50	+97		3+25	+256		7+00	+54		12+50	+24
3+75	+85		3+50	+133		7+25	+349		12+75	+43
4+00	+60		3+75	+225		7+50	+143		13	-8
4+25	+39		4+00	+174		7+75	+42		13+25	+3
4+50	-06		4+25	+258		8+00	+60		13+50	-41
4+75	-168		4+50	+125		8+50	+83		13+75	-3

LINE	Mag Value		LINE	Mag Value		LINE	Mag Value		LINE	Mag Valu e
L#11			19+50	+5						
13+75	+11		19+75	-9						
14N	+08		20N	-43						
14+25	+18		20+25	+72						
14+50	+17		20+50	+8						
14+75	-21		20+75	-23						
15	-23		21	-7						
15+25	-41		21+25	+23						
15+50	-203		21+50	-8						
15+75	-154		21+75	+111						
16N	-113		22N	-41						
16+25	+241		22+25	+14						
16+50	-152		22+50	-54						
16+75	-18		22+75	+5						
17	-100		23	-22						
17+25	-243		23+25	-34						
17+50	+162		23+50	+25						
17+75	-8		23+75	-54						
18	+177		24	-31						
18+25	+174		24+25	-38						
18+50	+397		24+50	-24						
18+75	+405		24+75	-29						
19	-12		25N	-670						
19+25	+62									

SHUSWAP LEGEND

EOCENE DYKES
- 8 Lamprophyre Dykes

LADYBIRD INTRUSIVES
- 7a Granodiorite - Monzonite
- +7a Pegmatite

JURASSIC ROCKS
- 6 Argillite
- 6a Mafic Volcanics

SHUSWAP METAMORPHIC ROCKS

SEDIMENTS
- 5a Calc-Silicates +/- Marble
- 5 Marble +/- Graphite Laminations
- 4b Quartzite with Calc-Silicate Beds
- 4a Quartzite with Flake Graphite (5-20%)
- 4 Quartzite +/- 20% Biotite Schist Laminations
- 3 Biotite Gneiss (Quartzite with Biotite Schist Laminations)
- 2 Biotite Schist

MAFIC VOLCANICS
- 1c Amphibolite with Biotite Schist (to 50:50)
- 1b Amphibolite with Calc-Silicate Laminations
- 1a Massive Amphibolite

MINERALIZATION
- Disseminated Sulphides
- Semi-Massive Sulphides
- Massive Sulphides

SYMBOLS
- Contacts
- Faults
- Normal Fault
- Thrust Fault
- Shear Zone
- Lineation
- Joints
- Foliation, Bedding
- Antiform
- Isoclinal Antiform
- Synform
- Isoclinal Synform
- Outcrop
- Creek
- Road
- Trench
- Drill Hole
- 304 Rock Sample
- Glacial Striae
- XX Float

UPPER ARROW LAKE

UPPER SEQUENCE

COLUMBIA RIVER FAULT

LOWER PANEL

CENTRAL PANEL

LOWER PANEL

Lmst

MV+arg

Turnbull Creek

BULL 1

BULL 4

BULL 5

BULL 6

2N Post

2 goss

2 goss+qtz

2goss+qtz

4 goss

4 goss +2

2,5

7,7a

2 w/ peg dykes w/cpy, chalc

2,qtz

4 goss 3-4% py,po

2 goss str isocl folds

4 alt'd

2,4 goss

5,2,4 goss

1a

7a

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,651

TECK EXPLORATION LTD.

BULL PROPERTY

GEOLOGY

Fig. 4

0 200 400 600 800 1000
metres

DATE DRAWN: MAY 21, 1992	SCALE: 1:10,000	DWG. NAME:
COMPILED BY: G.E.	JOB No: 1718	BUL-TOP
DRAWN BY: S.A. B.F.	NTS No: 82K/4,5	

UPPER ARROW LAKE

Adams Creek

Tumult Creek

BULL 1

BULL 2

BULL 3

BULL 4

BULL 5

BULL 6

LINE 1

LINE 1A

LINE 2

LINE 3

LINE 4

LINE 5

LINE 6

LINE 7

LINE 8

LINE 9

LINE 10

LINE 11

LINE 12

LINE 14

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,651

CONTOUR INTERVALS:
(KEY for Colour Ranges)

0 – 199 ppm
200 – 399 ppm
400 – 599 ppm
>599

TECK EXPLORATION LTD.

BULL PROPERTY

SOIL GEOCHEMISTRY Fig. 5

Zn ppm

0 200 400 600 800 1000
metres

DATE DRAWN: SEPT. 14, 1992	SCALE: 1:10,000	DWG. NAME:
COMPILED BY: G.E.	JOB No: 1718	BUL-ZN
DRAWN BY: S.A.	NTS No: 82K/4,5	

UPPER ARROW LAKE

N

BULL 1

LINE 14

LINE 12

LINE 10

LINE 11

LINE 9

BULL 4

BULL 5

LINE 8

LINE 7

BULL 2

BULL 3

LINE 6

LINE 1A

LINE 2

LINE 3

BULL 6

LINE 4

LINE 5

LINE 1

Adams Creek

Fauquier Creek

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,651

CONTOUR INTERVALS:
(KEY for Colour Ranges)

0 – 9 ppm
10 – 24 ppm
25 – 49 ppm
>50 ppm

TECK EXPLORATION LTD.

BULL PROPERTY

SOIL GEOCHEMISTRY Fig. 6

Pb ppm

0 200 400 600 800 1000
metres

DATE DRAWN: SEPT. 14, 1992	SCALE: 1:10,000	DWG. NAME:
COMPILED BY: G.E.	JOB No: 1718	BUL-PB
DRAWN BY: S.A.	NTS No: 82K/4,5	

UPPER ARROW LAKE

Adams Creek

Turnbull Creek

BULL 1

BULL 2

BULL 3

BULL 4

BULL 5

BULL 6

LINE 14

LINE 12

LINE 11

LINE 10

LINE 9

LINE 8

LINE 7

LINE 6

LINE 5

LINE 4

LINE 3

LINE 2

LINE 1A

LINE 1

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,651

CONTOUR INTERVALS:
(KEY for Colour Ranges)

0 – 0.4 ppm
0.5 – 0.9 pm
1.0 – 1.9 ppm
>1.9 ppm

TECK EXPLORATION LTD.

BULL PROPERTY

SOIL GEOCHEMISTRY Fig. 7

Ag ppm

0 200 400 600 800 1000
metres

DATE DRAWN: SEPT. 10, 1992	SCALE: 1:10,000	DWG. NAME: BUL-AG
COMPILED BY: G.E.	JOB No: 1718	
DRAWN BY: S.A.	NTS No: 82K/4,5	

UPPER ARROW LAKE

N

Adams Creek

Turnbull Creek

LINE 14

LINE 12

BULL 1

LINE 11

LINE 10

LINE 9

BULL 4

BULL 5

LINE 8

LINE 7

BULL 2

BULL 3

LINE 1

LINE 1A

LINE 2

LINE 3

BULL 6

LINE 4

LINE 5

LINE 6

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,651

CONTOUR INTERVALS:
(KEY for Colour Ranges)

0 – 499 ppm
500 – 699 ppm
700 – 999 ppm
>999 ppm

TECK EXPLORATION LTD.

BULL PROPERTY

SOIL GEOCHEMISTRY Fig. 8

Mn ppm

0 200 400 600 800 1000
metres

DATE DRAWN: SEPT. 11, 1992	SCALE: 1:10,000	DWG. NAME:
COMPILED BY: G.E.	JOB No: 1718	BUL-MN
DRAWN BY: S.A.	NTS No: 82K/4,5	

UPPER ARROW LAKE

N

Adams Creek

Turnbull Creek

LINE 14

LINE 12

BULL 1

LINE 11

LINE 10

LINE 9

BULL 4

BULL 5

LINE 8

LINE 7

BULL 2

BULL 3

LINE 6

LINE 5

BULL 6

LINE 4

LINE 3

LINE 2

LINE 1A

LINE 1

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,651

CONTOUR INTERVALS:
(KEY for Colour Ranges)

0 – 49 ppm
50 – 99 ppm
100 – 149 ppm
>149 ppm

TECK EXPLORATION LTD.

BULL PROPERTY

SOIL GEOCHEMISTRY Fig. 9
Ni ppm

0 200 400 600 800 1000
metres

DATE DRAWN: SEPT. 11, 1992	SCALE: 1:10,000	DWG. NAME:
COMPILED BY: G.E.	JOB No: 1718	BUS-NI
DRAWN BY: S.A.	NTS No: 82K/4,5	