

**YEIP**  
**96-033**  
**1996**

*IM*

**Summary Report of an Investigation  
of the Iron Creek Area, NTS 105C 14  
and peripheral areas covering parts  
of NTS 105C 11 and 105C 13**

**Prepared for Clayton Wilson and  
Wade Carrell in completion of the  
YMIP requirements for grants  
96 - 032 and 96 - 033  
by Steve Traynor, Geologist.**

### **Project Location and Access**

The area investigated lies in the southern regions of the Big Salmon Range, south of Quite Lake and west of the Canol Road. It includes parts of the 105C 11, 13 and 14 claim map sheets.

Access to the area from the Alaska Highway at Johstone's Crossing is accomplished by following the Canol road north to the Sidney Creek tote road. The main region of interest lies in the area of the confluence of Iron and Sidney Creeks. The tote road to this point is navigable by 2 wheel drive vehicle. This tote road and minor trails leading from it provide easy access to many parts of this area. A number of sites suitable for helicopter landings are present near the main showing of the property staked in the area.

### **Property Description**

The property currently comprises a contiguous block of 54 quartz claims located predominately north of Sidney Creek and lying in a roughly east-west block centered around Iron Creek.

<u>Grant Number</u>	<u>Claim Name</u>
YB67080 - YB67087	BOZO 1 - 8
YB67268 - YB67297	BIGTOP 1 - 30
YB67298 - YB67313	BOZO 9 - 24

The claims were located and staked in June 1996 and were recorded and transferred to 13744 Yukon Inc., a holding company created earlier in the year.

### **Previous Work and Exploration Activity**

The area was first investigated by E.J. Lees for the GSC in 1936 during regional

mapping of the Teslin - Quiet Lake area. A tote trail connected the area to the southern end of Quiet Lake and was used at the time by placer miners active in the area. Placer activity in the area has taken place intermittently over the years, but limited production due mainly to the irregular and sporadic occurrence of the pay streaks has kept most of the operations at a very small scale.

The Teslin map sheet was also mapped by Robert Mulligan of the GSC during the early 1950's, the results of which are reported on Map 1125A accompanying Memoir 326.

A number of claims staked in 1967 in the area of the BOZO 3 - 6 claims were supposedly trenched in 1968. Restaked in 1981 and again in 1989 they are reported to have produced an assay result 130.3 g/ton Ag and traces of Au. Traverses completed during this investigation failed to find any signs of this past activity.

### **Regional and General Geology**

A wide west-northwest trending band of marine volcanic rocks associated with thinly laminated terrigenous clastic rocks has been traced from the Canol road through the Sidney Creek valley past the head waters of Red Mountain Creek. Drift cover east of Iron Creek and in the lower Sidney Creek valley restricts outcrop exposure in the area.

The rocks are generally steeply dipping, but occasionally are seen to have a more moderate dip. The main rock types identified in the area include quartzites, shales, schists, phyllites, argillites, recrystallized limestone and basalt. In the Iron Creek valley these units are well exposed along the whole length of the valley, north of the tote road for a few thousand meters before drift and glacial deposits obscure them. Contacts

between the units are often gradational and are generally interbedded over a few meters of the the stratigraphic sequence.

The main unit of interest is a fine grained, black, thinly to moderately layered shaley argillite, that contains up to 25 or 30 % massive sulphide mineralization. Pyrite is by far the most abundant sulphide present, magnetite and pyrrhotite are also found in abundance at times, traces of chalcopyrite, sphalerite and galena were also noted. As with other units in the area, this one is gradational, and in the direction of the hanging wall it is interbedded with what is possibly a quartzite. The sulfide content of this unit approaches 40 or 45 % at this point in the stratigraphy. This unit weathers to a dark rusty brown gossan, often with a polished appearance. Whole rock analysis of samples collected from this unit returned values, most notably anomalous in Cu, Zn, Ag, Cd, Ni and Mo.

Structurally the area shows moderate shearing and faulting, all of the rocks in the area show strong deformational textures, particularly the unit described in the preceding paragraph. Widespread cross fracturing and faulting was noted, at least three distinct sets are apparent from preliminary mapping. The most obvious, which is approximately perpendicular at right angles to the plane of schistosity in the area, roughly parallels the Iron Creek valley. The second set follows the trend of the schistosity at a high angle and appears as a terraced pattern on a regional scale. Ground observations show well developed shearing often associated with this set. The third set is weakly developed at approximately right angles to the first set and does not often form obvious planes.

The anomalous argillite unit described above has been traced in outcrop and float for a distance of at least four(4) miles both east and west of the existing property. A strong

well delineated, pencil shaped airborne magnetic anomaly, that is roughly coincident with this unit, indicates a possible strike length in excess of 10 miles and probably confirms the continuity of this potential host lithology.

### **Description and Summary of Work**

During the course of the 1996 field season a total of 45 days (or 95 man days) were spent exploring this region. Detailed whole rock and soil geochemical sampling, general geological mapping and detailed prospecting of the area in the immediate vicinity of Iron Creek was carried out under YMIP grant 96-033(Clayton Wilson) and accounted for 30 of these days (or 65 man days). The remaining 15 days (or 30 man days) carried out under YMIP grant 96-032(Wade Carrell) was spent prospecting in areas peripheral to and along strike in both directions from Iron Creek and was aimed at extending the known extent of the anomalous argillite unit discussed above.

Approximately 50 whole rock samples were taken, 34 of which were submitted for assay and analysis, in the course of the detailed and regional work in the area. The location of these and the soil grid on the property are shown on the maps included in the pocket at the end of this report.

The soil sampling grid was located and oriented to provide maximum coverage of the inferred position of the argillite unit. A baseline was setup with a starting point on each side of the creek valley, as the depth of the valley in this area made a single continuous line impractical. Using pickets to forward and backsight and a compass, set to a bearing of 308 degrees and corrected for the local declination, a slashed and flagged baseline was

extended out 900 meters east and west from the respective starting points on each side of Iron Creek. The baseline was then chained using a belt chain measuring device and grid line stations were flagged in at 100 meter intervals. The grid lines themselves were run at a bearing of 038, from the baseline stations, and these lines were chained and flagged in during the collection of the soil samples. Sampling on the grid lines was done at 50 meter intervals and were extended for 500 meters on the north side of the baseline. Offsets to the next line were chained over 100 meters and closed to the baseline, no correction was applied when plotting the results as all closures were completed with little or no error. The decision was made following the completion of the sampling to only submit the samples from the west side of Iron Creek for analysis. This decision was based on the recognition of the deeply drift and alluvium covered nature of the ground on the eastern side of the grid and concerns that this cover could seriously mask the geochemical response from this area.

### **Analysis and Results**

A total of 34 whole rock and 109 soil samples were submitted for a standard 34 element analysis and in some cases gold. The soil samples were dried and sieved to -80 mesh and the rock samples crushed/split and pulverized (a total sample preparation was also done before splitting in the case of a limited number of the whole rock samples). Geochemical analysis for gold was carried out by a 30g fire assay and atomic absorption, while analysis of the other 34 elements was by ICP-Atomic Emission Spectroscopy preceded by aqua regia digestion. See the appendix at the end of the report for results.

Overall the results indicate that the argillite unit is the most highly prospective unit in the stratigraphic package. Anomalous values in Cu(up to 649 ppm), Zn(up to 1.2 %), Ag, Cd, Mo, Ni and to a lesser degree Pb were obtained from the whole rock analysis.

Statistical analysis of the soil geochemistry results and subsequent plotting and contouring of these results show a number of coincident multi-element anomalies in the western part of the grid. Two of these anomalies are open off grid to the west.

### **Conclusions and Recommendations**

The mineralogy, textures, structures, rock types and the geochemical signature noted from the anomalous whole rock and soil results, suggest an environment that is highly prospective for the discovery of a massive sulphide deposit of the Besshi or Kieslager type.

The addition of at least another 100 claims surrounding the original property should be staked as soon as possible, the majority of these would be added to extend the block to both the east and west and to fill in areas across the northern edge of the existing property.

The baseline should be surveyed and widened and extended at least another 1000 meters from its current termination at 900W. Cutting of the grid lines should also be considered, as this will facilitate more detailed work recommended below.

More detailed soil sampling should be carried out on this extension and fill in work in the areas of the previously noted anomalies should be carried out. A combined Mag-EM geophysical survey should be carried out to cover the areas covered by the existing



grid and on any extensions of it.

A program of detailed geological mapping, with particular attention being paid to structure should also be completed during next season.

Blast trenching and sampling of the soil anomalies identified this past season and of other favourable zones identified through the work recommended above should also be carried. Followup drilling should then be carried out if warranted by the results of the above program. It is expected that expenditures of approximately \$100,000.00 will be necessary to get to this point in the decision making process.

## APPENDIX A

### Geochemical Lab Reports



# Inchcape Testing Services

## Bondar Clegg

# Geometrical Lab Report

CLIENT: MR. CLAYTON WILSON  
 REPORT: V96-00983.0 ( COMPLETE )

PROJECT: NONE GIVEN  
 DATE PRINTED: 16-JUL-96 PAGE 1

SAMPLE NUMBER	ELEMENT	Au30	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
	UNITS	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
96R-006-02		10	0.5	35	26	54	8	39	11	0.6	<5	18	6	2.79	129	<10	35	95	29	<20	<20	2	0.47	0.65	0.29	0.04	0.29	11	1	<2	5	<1	<5	<10	0.02	<1
96R-013-02		32	2.6	148	25	438	3	73	8	3.2	13	88	6	>10.00	224	<10	16	182	256	<20	23	17	1.03	1.14	1.89	0.02	0.53	106	22	2	7	2	<5	<10	0.03	5
96R-002-03		<5	<.2	63	<2	44	<1	12	17	0.6	<5	8	<5	4.59	251	<10	22	34	155	<20	<20	2	0.54	0.73	1.04	0.08	0.10	10	11	<2	2	<1	<5	<10	0.11	<1
96R-008-03		10	<.2	30	14	534	17	37	6	7.9	<5	35	<5	2.70	235	<10	33	115	251	<20	<20	1	0.46	0.72	0.22	0.03	0.23	10	8	<2	4	<1	<5	<10	0.06	4
96R-011-03		7	0.6	62	73	195	22	116	<1	1.9	21	66	10	>10.00	44	15	6	162	136	24	<20	21	0.12	0.16	0.55	0.03	0.07	48	13	<2	2	2	<5	<10	0.02	7
96R-015-03		<5	0.2	47	<2	28	<1	15	32	0.5	<5	<5	<5	7.67	328	<10	20	34	162	<20	<20	3	0.37	0.56	1.34	0.06	0.04	9	9	<2	2	2	<5	<10	0.21	<1
96R-017-04		37	0.6	55	6	71	<1	14	15	0.3	<5	7	<5	4.49	842	<10	37	54	152	<20	<20	4	1.91	2.08	3.07	0.05	1.34	58	5	8	17	<1	11	<10	0.19	2
96R-018-03		9	0.2	122	<2	1612	20	71	20	21.6	<5	<5	<5	5.12	351	<10	36	46	435	<20	<20	2	1.51	1.30	0.27	0.04	1.12	6	3	<2	15	<1	11	<10	0.18	5
96F-020-03		9	<.2	72	4	124	3	29	36	0.8	7	<5	<5	6.51	679	<10	24	46	168	<20	<20	5	1.57	2.00	4.16	0.04	0.73	56	6	6	13	<1	7	<10	0.17	<1

26/06/96

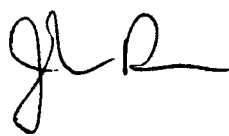
Assay Certificate

Page 1

Tan-ex  
 Wade Carrell

WO#10324

Sample #	Au oz/ton	Ag g/mt	Cu %	Zn %	As %
96R-003-01	0.001	<1.0	0.004	0.013	<0.01
96R-008-02	0.001	<1.0	0.009	1.210	<0.01

Certified by 



# Bondar Clegg Inchcape Testing Services

## Certificate of Analysis

IT: MR. CLAYTON WILSON

PROJECT: NONE GIVEN

REPORT: V96-00983.4 ( COMPLETE )

DATE PRINTED: 12-JUL-96

PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Cu PCT	Pb PCT	Zn PCT	Mo PCT	Ni PCT	Co PCT	Cd PCT	Bi PCT	As PCT	Sb PCT	Fe PCT
R2 96R-021		<0.1	<0.01	<0.01	0.01	0.001	<0.01	<0.005	<0.005	<0.005	<0.01	<0.01	11.34
R2 96R-022		<0.1	<0.01	<0.01	0.09	<0.001	<0.01	<0.005	<0.005	<0.005	<0.01	<0.01	5.73
R2 96R-023		<0.1	<0.01	<0.01	0.02	<0.001	<0.01	<0.005	<0.005	<0.005	<0.01	<0.01	18.38

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## Certificate of Analysis

CLIENT: MR. CLAYTON WILSON  
REPORT: V96-00983.4 ( COMPLETE )

PROJECT: NONE GIVEN  
DATE PRINTED: 12-JUL-96      PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Mn PCT	V PCT	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT
R2 96R-021		0.175	0.041	7.16	3.62	6.10	2.69	0.17
R2 96R-022		0.094	0.067	6.59	1.44	2.99	1.26	1.70
R2 96R-023		0.006	0.033	1.65	0.11	0.80	1.08	0.11



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# G Chemical Lab Report

CLIENT: TANANA EXPLORATION  
REPORT: V96-01477.0 ( COMPLETE )

PROJECT: NONE GIVEN  
DATE PRINTED: 9-SEP-96 PAGE 1

SAMPLE NUMBER	ELEMENT	Al <sub>2</sub> O <sub>3</sub>	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
	UNITS	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
96R024		3.1	85	49	460	22	49	7	3.9	<5	<5	5	2.50	216	<10	91	73	104	<20	<20	2	1.06	0.51	0.57	0.06	0.10	32	7	3	6	<1	<5	<10	0.04	5	
96R025		10	1.5	175	15	1035	13	189	6	4.6	18	65	10	>10.00	163	<10	26	136	285	<20	<20	5	0.66	0.22	1.27	0.04	0.12	68	34	<2	5	1	<5	<10	0.03	8
96R026		18	0.9	152	29	1248	12	153	6	7.7	10	59	10	8.71	281	<10	24	141	344	<20	<20	5	0.63	0.42	1.34	0.03	0.23	66	42	<2	7	1	<5	<10	0.03	9
96R027		2.3	235	32	1181	14	141	1	10.9	13	60	12	>10.00	208	<10	30	90	336	<20	<20	6	0.50	0.28	2.00	0.02	0.12	108	42	<2	4	2	<5	<10	0.03	7	
96R028		0.6	51	54	397	20	124	3	2.9	19	67	7	>10.00	157	<10	17	124	182	<20	<20	4	0.12	0.27	1.77	0.03	0.05	150	33	<2	2	2	<5	<10	0.04	16	
96R029		1.8	227	24	706	11	151	2	4.8	15	60	9	>10.00	229	<10	25	96	248	<20	<20	3	0.39	0.27	2.05	0.01	0.11	94	37	<2	4	2	<5	<10	0.02	6	
96R030		16	<.2	83	25	500	12	79	<1	4.1	16	121	7	>10.00	149	<10	27	156	486	<20	<20	8	0.61	0.58	2.37	0.01	0.23	243	46	<2	4	1	<5	<10	0.03	8
96R031		2.4	346	33	730	11	199	<1	6.6	15	17	13	>10.00	241	<10	25	86	295	<20	<20	5	0.42	0.36	3.56	0.03	0.10	132	53	<2	<1	<1	<5	<10	0.02	6	
96R032		<5	<.2	38	6	41	2	29	16	<0.2	<5	<5	<5	3.04	426	<10	25	75	133	<20	<20	<1	1.17	1.51	1.93	0.19	0.06	8	16	5	2	<1	9	<10	0.12	<1



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## Inchcape Testing Services

# Ge hemical Lab Report

CLIENT: TANANA EXPLORATION  
REPORT: V96-01514.0 ( COMPLETE )

PROJECT: NONE GIVEN  
DATE PRINTED: 16-SEP-96 PAGE 1

SAMPLE NUMBER	ELEMENT	Au30	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
	UNITS	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
96R033		20	4.5	649	28	133	<1	100	<1	1.3	15	58	<5	>10.00	366	31	246	82	566	31	<20	89	0.57	0.73	0.62	0.04	0.35	58	9	<2	7	2	<5	<10	0.04	8





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# G Chemical Lab Report

CLIENT: TANANA EXPLORATION  
REPORT: V96-01817.0 ( COMPLETE )

PROJECT: NONE GIVEN  
DATE PRINTED: 18-NOV-96

PAGE 1

SAMPLE NUMBER	ELEMENT	Au30	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
	UNITS	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM

[REDACTED]

96R005		<.2	12	<2	17	<1	720	51	<0.2	<5	<5	9	3.15	616	<10	<1	1253	33	<20	<20	<1	0.31	7.07	0.66	<.01	<.01	11	<1	<2	<1	6	<5	<10	<.01	2	
96R008		<5	<.2	104	11	1134	11	121	7	8.6	<5	12	<5	2.66	207	<10	36	119	232	<20	<20	3	0.84	0.79	0.21	0.04	0.49	3	14	2	8	18	<5	<10	0.06	17

96R032		2.0	157	21	940	4	183	22	3.7	<5	79	8	>10.00	290	<10	7	200	180	<20	<20	3	0.86	0.66	1.46	0.02	0.25	66	21	7	4	12	<5	<10	0.03	12	
96R037		2.2	114	76	204	9	42	7	1.9	<5	86	12	8.57	211	<10	16	225	226	<20	<20	6	0.84	0.59	1.14	0.04	0.37	51	25	7	4	17	<5	<10	0.04	16	
96R038		<5	<.2	28	<2	71	<1	106	44	<0.2	<5	<5	<5	6.34	503	<10	3	152	208	<20	<20	<1	6.27	9.55	0.25	<.01	<.01	9	3	11	17	25	10	<10	0.04	3

[REDACTED]

[REDACTED]

96R233		<.2	25	3	163	3	13	5	0.2	<5	<5	<5	2.12	174	<10	250	66	56	<20	<20	6	0.98	0.40	0.04	0.08	0.58	3	2	4	8	5	<5	<10	0.09	3	
96R236		14	1.4	176	35	1241	12	142	31	14.1	<5	215	10	>10.00	194	<10	7	172	252	<20	<20	3	0.79	0.37	1.28	0.03	0.23	23	25	8	4	18	<5	<10	0.04	11
96R237		14	1.4	195	29	989	18	134	23	11.1	<5	121	8	9.34	212	<10	9	180	223	<20	<20	3	0.81	0.38	1.19	0.03	0.25	21	23	7	5	16	<5	<10	0.05	11

[REDACTED]



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## Gechemical Lab Report

CLIENT: TANANA EXPLORATION  
REPORT: V96-01604.0 ( COMPLETE )

PROJECT: NONE GIVEN  
DATE PRINTED: 9-OCT-96 PAGE 1

SAMPLE NUMBER	ELEMENT	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
	UNITS	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
96R235		2.2	263	10	336	7	112	2	2.7	14	<5	6	8.45	213	<10	15	177	80	<20	<20	<1	1.02	0.41	1.13	0.05	0.17	63	16	<2	3	1	<5	<10	0.03	3



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## Certificate of Analysis

CLIENT: TANANA EXPLORATION  
REPORT: V96-01604.4 ( COMPLETE )

PROJECT: NONE GIVEN  
DATE PRINTED: 26-SEP-96      PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Wt-150 GM	WT+150 g	Au-150 OPT	Au+150 OPT	Au Tot OPT
RW 96R235		1149.7	3.01	<0.001	<0.005	<0.001



# Inchcape Testing Services

## Bondar Clegg

# Gechemical Lab Report

CLIENT: TANANA EXPLORATION  
 REPORT: V96-02108.0 ( COMPLETE )

PROJECT: NONE GIVEN  
 DATE PRINTED: 5-DEC-96 PAGE 1

SAMPLE NUMBER	ELEMENT	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	FeOL	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
	UNITS	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
96R240		2.6	185	48	658	24	113	1	5.8	<5	148	10	>10.00	16.1	164	15	5	136	338	<20	<20	<1	0.33	0.16	1.32	0.01	0.11	52	71	<2	2	58	<5	<10	0.03	7



# Bondar Clegg Inchcape Testing Services

## Certificate of Analysis

CLIENT: TANANA EXPLORATION  
REPORT: V96-02108.4 ( COMPLETE )

PROJECT: NONE GIVEN  
DATE PRINTED: 5-DEC-96      PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Wt-150 GM	WT+150 g	AU-150 OPT	Au+150 OPT	Au Tot OPT
RW 96R240		813.0	29.67	0.001	<0.01	0.001



# Inchcape Testing Services

## Bondar Clegg

# Geometrical Lab Report

CLIENT: TANANA EXPLORATION  
REPORT: V96-01730.0 ( COMPLETE )

PROJECT: NONE GIVEN  
DATE PRINTED: 30-OCT-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
000W 000N		<0.2	11	4	48	1	16	4	<0.2	<5	<5	<5	1.79	157	<10	82	22	41	<20	<20	12	1.05	0.39	0.38	<.01	0.08	17	4	3	11	<1	<5	<10	0.08	2
000W 050N		<0.2	7	4	31	1	11	3	<0.2	<5	<5	<5	1.33	176	<10	90	17	34	<20	<20	10	0.77	0.27	0.30	<.01	0.05	14	3	3	6	<1	<5	<10	0.08	1
000W 100N		0.5	31	3	139	1	36	8	<0.2	<5	<5	<5	1.80	344	<10	272	23	49	<20	<20	5	1.48	0.94	2.99	0.06	0.19	108	4	3	11	<1	<5	<10	0.08	2
000W 150N		<0.2	13	3	59	2	11	4	1.0	<5	<5	<5	0.81	287	<10	135	13	20	<20	<20	5	0.65	0.29	1.15	0.02	0.06	44	2	<2	3	<1	<5	<10	0.06	1
000W 250N PUP		<0.2	23	3	64	2	28	7	<0.2	<5	<5	<5	2.22	362	<10	142	31	48	<20	<20	12	1.11	0.61	0.56	<.01	0.12	24	7	<2	8	<1	<5	<10	0.10	3
000W 250N		0.2	23	4	65	2	29	7	<0.2	<5	<5	<5	2.17	358	<10	146	33	49	<20	<20	11	1.12	0.63	0.55	0.01	0.12	24	6	2	8	<1	<5	<10	0.10	3
000W 300N		0.2	15	3	37	2	20	4	<0.2	<5	<5	<5	1.73	196	<10	130	24	39	<20	<20	11	1.00	0.47	0.37	0.01	0.08	19	4	2	7	<1	<5	<10	0.09	2
000W 350N		0.2	20	3	36	1	27	7	<0.2	<5	<5	<5	2.10	290	<10	119	39	46	<20	<20	12	0.95	0.63	0.46	<.01	0.08	20	7	<2	8	<1	<5	<10	0.08	2
000W 400N		0.2	4	3	41	<1	8	3	<0.2	<5	<5	<5	1.73	184	<10	69	21	39	<20	<20	10	0.91	0.31	0.27	<.01	0.07	12	3	3	7	<1	<5	<10	0.08	2
000W 450N		0.2	8	4	43	2	15	7	<0.2	<5	<5	<5	2.07	374	<10	115	26	48	<20	<20	11	1.24	0.40	0.31	<.01	0.06	16	3	3	8	<1	<5	<10	0.10	2
000W 500N		0.2	10	3	39	2	20	5	<0.2	<5	<5	<5	1.78	254	<10	119	29	42	<20	<20	13	1.15	0.57	0.38	<.01	0.05	20	6	2	8	<1	<5	<10	0.11	3
100W 000N		<0.2	21	6	48	3	29	10	<0.2	<5	<5	<5	2.47	462	<10	190	43	60	<20	<20	9	1.62	1.05	0.55	<.01	0.07	21	4	3	11	<1	<5	<10	0.14	3
100W 050N		0.2	19	6	45	4	27	8	0.9	<5	<5	<5	2.27	288	<10	133	39	53	<20	<20	10	1.46	0.78	0.41	<.01	0.07	18	4	3	11	<1	<5	<10	0.11	3
100W 100N		0.3	9	3	35	3	13	3	<0.2	<5	32	<5	2.37	157	<10	89	28	69	<20	<20	7	1.16	0.51	0.28	<.01	0.07	13	4	4	7	<1	<5	<10	0.18	3
100W 150N		0.2	9	3	31	2	14	3	<0.2	<5	<5	<5	1.66	151	<10	88	21	45	<20	<20	9	0.97	0.39	0.22	<.01	0.08	15	3	3	7	<1	<5	<10	0.10	2
100W 200N		0.2	15	6	138	2	29	9	<0.2	<5	<5	<5	2.02	402	<10	188	34	46	<20	<20	11	1.54	0.66	0.66	0.01	0.09	29	5	3	11	<1	<5	<10	0.11	3
100W 250N		<0.2	10	<2	11	<1	4	2	<0.2	<5	<5	<5	0.25	450	<10	148	2	6	<20	<20	<1	0.23	0.20	3.91	<.01	0.02	111	<1	<2	<1	<1	<5	<10	0.01	<1
100W 300N		0.2	24	4	51	2	28	7	<0.2	<5	<5	<5	2.21	395	<10	170	30	47	<20	<20	13	1.18	0.64	0.47	<.01	0.16	21	7	2	10	<1	<5	<10	0.10	3
100W 350N		<0.2	12	2	37	2	22	6	<0.2	<5	<5	<5	2.03	300	<10	121	28	43	<20	<20	11	1.13	0.52	0.41	<.01	0.11	19	4	2	10	<1	<5	<10	0.10	2
100W 400N		0.2	17	3	37	1	26	6	<0.2	<5	<5	<5	2.16	222	<10	103	28	45	<20	<20	15	0.96	0.52	0.43	<.01	0.10	18	7	<2	8	<1	<5	<10	0.09	4
100W 450N		<0.2	8	3	50	2	14	6	<0.2	<5	<5	<5	1.80	278	<10	155	26	41	<20	<20	9	1.29	0.38	0.26	<.01	0.04	14	3	3	8	<1	<5	<10	0.09	2
100W 500N		<0.2	5	4	42	2	12	3	<0.2	<5	<5	<5	1.81	155	<10	81	23	44	<20	<20	10	1.23	0.38	0.25	<.01	0.06	13	3	3	8	<1	<5	<10	0.10	2
200W 000N		0.4	16	<2	15	<1	13	4	<0.2	<5	<5	<5	0.74	437	<10	147	6	15	<20	<20	4	0.60	0.15	2.37	0.02	0.02	68	1	<2	2	<1	<5	<10	0.02	<1
200W 050N		0.2	9	3	41	1	22	6	<0.2	<5	<5	<5	1.91	177	<10	76	24	41	<20	<20	13	1.12	0.44	0.37	<.01	0.08	15	5	<2	11	<1	<5	<10	0.07	3
200W 100N		0.3	18	3	47	2	25	7	<0.2	<5	<5	<5	2.33	223	<10	139	28	53	<20	<20	20	1.16	0.57	0.46	<.01	0.15	19	6	3	11	<1	<5	<10	0.09	3
200W 150N		<0.2	9	2	29	1	18	4	<0.2	<5	<5	<5	1.39	146	<10	114	18	34	<20	<20	13	0.84	0.38	0.33	<.01	0.08	16	4	<2	7	<1	<5	<10	0.07	2
200W 200N		0.3	8	3	35	1	9	3	<0.2	<5	<5	<5	1.75	259	<10	127	21	43	<20	<20	14	0.55	0.21	0.31	<.01	0.08	15	3	2	4	<1	<5	<10	0.08	1
200W 250N PUP		0.2	12	3	48	2	22	6	<0.2	<5	<5	<5	2.04	226	<10	130	26	46	<20	<20	12	0.99	0.50	0.44	<.01	0.09	16	5	2	12	<1	<5	<10	0.08	2
200W 250N		0.2	11	3	53	1	19	6	<0.2	<5	<5	<5	1.94	257	<10	145	25	46	<20	<20	10	0.96	0.46	0.41	<.01	0.09	16	5	2	10	<1	<5	<10	0.08	2
200W 300N		<0.2	15	<2	36	1	21	5	<0.2	<5	<5	<5	1.63	267	<10	129	21	31	<20	<20	7	0.85	0.50	0.40	<.01	0.09	16	4	<2	6	<1	<5	<10	0.08	3



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REPORT: V96-01730.0 ( COMPLETE )

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
200W 350N		<0.2	14	2	57	2	23	6	<0.2	<5	<5	<5	2.08	316	<10	147	32	46	<20	<20	13	1.08	0.59	0.66	<.01	0.11	26	6	2	7	<1	<5	<10	0.10	4
300W 000N		0.2	20	4	39	2	19	5	<0.2	<5	<5	<5	1.33	149	<10	267	23	33	<20	<20	8	1.10	0.46	1.70	0.01	0.07	52	4	3	6	<1	<5	<10	0.06	2
300W 050N		<0.2	39	4	177	1	58	7	0.8	<5	<5	<5	1.42	697	<10	228	22	28	<20	<20	9	1.24	0.48	2.35	0.02	0.05	102	8	3	8	<1	<5	<10	0.04	1
300W 100N		0.3	18	6	57	1	35	10	<0.2	<5	5	<5	2.81	268	<10	161	38	60	<20	<20	16	2.07	0.61	0.32	<.01	0.12	17	5	3	12	<1	<5	<10	0.09	4
300W 150N		0.3	8	4	196	2	15	9	<0.2	<5	<5	<5	2.86	310	<10	146	33	70	<20	<20	8	1.36	0.53	0.23	<.01	0.10	15	3	4	14	<1	<5	<10	0.13	2
300W 200N		0.3	25	4	246	2	26	6	<0.2	<5	<5	<5	2.51	305	<10	122	35	61	<20	<20	14	1.50	0.54	0.35	<.01	0.08	23	7	4	13	<1	<5	<10	0.11	3
300W 250N		0.4	8	4	52	1	19	7	<0.2	<5	<5	<5	2.32	245	<10	178	30	59	<20	<20	14	1.28	0.46	0.31	<.01	0.08	18	4	4	12	<1	<5	<10	0.09	2
300W 300N		<0.2	20	3	55	<1	31	9	<0.2	<5	<5	<5	2.41	273	<10	122	29	48	<20	<20	12	1.19	0.55	0.41	0.01	0.08	19	4	2	8	<1	<5	<10	0.08	2
300W 350N		0.4	46	6	100	2	55	14	<0.2	<5	<5	<5	3.43	824	<10	369	51	66	<20	<20	16	2.44	1.40	0.96	0.02	0.32	49	10	5	18	<1	<5	<10	0.13	7
300W 400N		0.4	33	6	172	2	43	13	0.3	<5	<5	<5	2.98	749	<10	249	43	54	<20	<20	13	1.85	0.98	1.19	0.01	0.24	55	9	4	13	<1	<5	<10	0.11	5
300W 450N		0.3	29	4	74	<1	40	10	<0.2	<5	<5	<5	2.47	540	<10	219	36	47	<20	<20	15	1.38	0.85	0.87	0.01	0.16	36	9	3	10	<1	<5	<10	0.11	8
400W 000N		0.2	39	<2	10	<1	15	3	<0.2	<5	<5	<5	0.42	508	<10	183	4	10	<20	<20	3	0.38	0.16	4.73	0.01	0.03	100	3	<2	2	<1	<5	<10	0.01	<1
400W 050N		<0.2	26	3	32	1	38	7	<0.2	<5	<5	<5	1.51	399	<10	118	22	30	<20	<20	9	1.11	0.48	1.22	0.01	0.07	42	5	3	8	<1	<5	<10	0.06	2
400W 100N		0.3	35	<2	503	<1	131	17	4.4	<5	<5	<5	0.53	1982	<10	294	5	9	<20	<20	4	1.07	0.16	3.54	0.01	0.02	140	4	<2	<1	<1	<5	<10	<.01	1
400W 150N		0.3	30	4	81	2	34	8	<0.2	<5	<5	<5	2.44	399	<10	226	36	49	<20	<20	12	1.66	0.74	1.11	0.01	0.13	56	6	4	10	<1	<5	<10	0.10	4
400W 200N		0.2	14	<2	43	<1	14	5	<0.2	<5	<5	<5	0.82	854	<10	284	7	13	<20	<20	6	0.65	0.20	1.43	0.03	0.03	66	4	<2	2	<1	<5	<10	0.03	1
400W 250N PUP		<0.2	26	<2	39	<1	23	3	<0.2	<5	<5	<5	0.69	299	<10	199	6	11	<20	<20	7	0.56	0.31	2.55	0.02	0.05	99	7	<2	2	<1	<5	<10	0.02	2
400W 250N		<0.2	21	<2	31	<1	18	3	<0.2	<5	<5	<5	0.60	271	<10	155	5	11	<20	<20	6	0.47	0.24	1.68	0.03	0.04	68	6	<2	2	<1	<5	<10	0.02	2
400W 300N		0.5	62	9	141	3	69	14	0.4	<5	10	<5	3.39	872	<10	318	43	54	<20	<20	23	2.13	1.03	0.82	0.02	0.19	40	19	4	16	<1	<5	<10	0.11	6
400W 350N		0.4	44	8	78	2	58	13	<0.2	<5	8	<5	3.28	669	<10	268	50	56	<20	<20	17	1.98	1.14	1.00	0.01	0.21	46	11	4	15	<1	<5	<10	0.12	10
400W 400N		0.4	42	6	79	2	55	13	<0.2	<5	<5	<5	3.35	696	<10	233	46	66	<20	<20	16	1.95	1.15	1.00	0.01	0.20	48	11	4	14	<1	<5	<10	0.16	14
400W 450N		0.4	33	6	90	1	46	11	<0.2	<5	<5	<5	2.70	596	<10	190	39	56	<20	<20	16	1.53	0.87	0.74	0.01	0.16	37	10	3	10	<1	<5	<10	0.13	10
400W 500N		0.3	16	3	58	<1	29	8	<0.2	<5	<5	<5	2.34	470	<10	150	33	54	<20	<20	18	1.06	0.64	0.66	0.01	0.13	28	8	2	10	<1	<5	<10	0.10	3
500W 000N		0.2	37	3	12	<1	19	4	<0.2	<5	<5	<5	0.88	757	<10	104	11	16	<20	<20	5	0.92	0.40	3.18	0.02	0.02	70	6	2	4	<1	<5	<10	0.03	<1
500W 050N		0.4	32	6	131	4	113	25	<0.2	<5	<5	<5	3.21	359	<10	79	59	90	<20	<20	8	2.35	1.13	0.30	<.01	0.06	15	5	7	23	<1	<5	<10	0.13	2
500W 100N		<0.2	9	4	47	<1	3	<1	<0.2	<5	<5	<5	1.14	83	<10	50	12	38	<20	<20	8	0.55	0.12	0.23	<.01	0.03	15	2	3	2	<1	<5	<10	0.10	1
500W 150N		0.3	8	4	62	<1	13	4	<0.2	<5	<5	<5	1.88	194	<10	89	23	52	<20	<20	9	1.14	0.45	0.24	<.01	0.07	14	3	4	6	<1	<5	<10	0.12	3
500W 200N		0.3	58	4	95	<1	18	4	<0.2	<5	<5	<5	1.87	186	<10	100	25	43	<20	<20	19	1.53	0.40	0.23	<.01	0.05	11	23	3	8	<1	<5	<10	0.09	4
500W 250N		<0.2	14	4	259	2	31	8	0.2	<5	<5	<5	2.72	389	<10	144	32	56	<20	<20	9	1.97	0.63	0.30	<.01	0.11	18	3	5	13	<1	<5	<10	0.11	2
500W 300N		0.3	37	8	392	2	79	18	0.8	<5	6	<5	3.27	565	<10	226	41	54	<20	<20	17	2.09	0.91	0.53	<.01	0.21	34	12	4	14	<1	<5	<10	0.11	5



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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
500W 350N		0.2	140	6	548	2	170	11	12.8	<5	<5	<5	2.17	591	<10	166	33	37	<20	<20	23	1.79	0.57	0.71	0.02	0.12	58	64	3	11	<1	<5	<10	0.05	2
500W 400N		0.3	42	7	476	2	107	15	7.4	<5	7	<5	3.29	1084	<10	208	43	58	<20	<20	18	2.05	1.02	0.76	0.01	0.21	48	18	4	15	<1	<5	<10	0.12	5
500W 450N		48.6	46	7	83	2	48	10	0.5	<5	6	<5	2.55	456	<10	312	36	40	<20	<20	15	1.82	0.97	1.93	0.01	0.19	76	11	3	12	<1	<5	<10	0.09	7
500W 500N		0.4	44	6	77	2	58	13	<0.2	<5	<5	<5	3.32	699	<10	212	46	61	<20	<20	15	1.95	1.21	1.26	0.01	0.20	53	10	4	13	<1	<5	<10	0.15	15
600W 000N		0.3	22	4	28	1	18	12	<0.2	<5	<5	<5	1.61	432	<10	174	17	29	<20	<20	7	1.15	0.65	1.44	0.04	0.05	44	5	4	7	<1	<5	<10	0.06	1
600W 050N		0.2	25	4	47	3	45	6	0.8	<5	<5	<5	1.44	234	<10	115	22	26	<20	<20	8	0.92	0.38	1.70	<.01	0.08	64	4	2	8	<1	<5	<10	0.06	2
600W 100N		0.6	32	31	55	6	8	2	0.2	<5	78	<5	7.35	52	<10	98	28	84	<20	<20	5	0.41	0.08	0.10	<.01	0.04	32	2	<2	<1	<1	<5	12	0.05	3
600W 150N		0.4	16	9	169	4	23	6	1.4	<5	5	<5	3.03	355	<10	140	33	71	<20	<20	10	1.84	0.61	0.30	<.01	0.10	19	4	5	14	<1	<5	<10	0.13	4
600W 200N		0.6	39	3	362	19	24	12	0.2	<5	<5	<5	4.54	327	<10	58	60	158	<20	<20	7	1.60	0.90	0.18	<.01	0.05	12	5	4	16	<1	<5	<10	0.17	5
600W 250N PUP		0.8	218	3	118	8	36	3	2.8	<5	5	<5	3.32	76	<10	33	35	24	<20	<20	26	3.07	0.11	0.13	0.02	0.03	9	84	<2	4	<1	<5	<10	0.03	3
600W 250N		0.7	200	3	109	7	35	2	2.7	<5	5	<5	3.01	70	<10	32	32	22	<20	<20	25	2.99	0.10	0.12	0.02	0.03	8	80	<2	4	<1	<5	<10	0.03	3
600W 300N		0.3	47	10	174	3	70	14	1.0	<5	7	<5	3.28	826	<10	293	42	54	<20	<20	21	1.83	0.99	0.64	0.01	0.25	32	19	3	16	<1	<5	<10	0.11	6
600W 350N		0.3	25	7	191	2	44	10	0.7	<5	<5	<5	2.61	519	<10	207	35	47	<20	<20	14	1.42	0.74	0.57	0.01	0.15	33	10	3	12	<1	<5	<10	0.10	3
600W 400N		0.3	29	7	76	2	35	10	<0.2	<5	<5	<5	2.65	600	<10	238	33	45	<20	<20	14	1.29	0.72	0.83	0.01	0.15	38	7	2	11	<1	<5	<10	0.09	4
600W 450N		0.2	33	9	119	4	40	14	1.0	<5	10	<5	3.42	706	<10	215	42	60	<20	<20	15	1.99	0.88	0.36	<.01	0.19	22	5	4	16	<1	<5	<10	0.11	3
600W 500N		0.4	47	8	114	3	58	13	0.4	<5	8	<5	3.27	656	<10	246	48	53	<20	<20	17	1.71	1.06	0.84	0.01	0.23	39	11	3	14	<1	<5	<10	0.12	8
700W 000N		<0.2	7	6	28	2	11	4	<0.2	<5	<5	<5	1.68	147	<10	69	22	48	<20	<20	9	0.75	0.36	0.26	<.01	0.10	14	3	3	5	<1	<5	<10	0.12	2
700W 050N		0.2	71	2	165	3	102	5	5.3	<5	<5	<5	0.69	518	<10	123	10	11	<20	<20	6	0.53	0.21	3.78	<.01	0.04	133	9	<2	3	<1	<5	<10	0.01	<1
700W 100N		0.5	351	3	1268	3	335	16	6.7	<5	<5	<5	2.39	508	<10	195	19	17	<20	<20	19	1.49	0.16	1.57	0.02	0.06	92	40	<2	4	<1	<5	<10	0.04	4
700W 150N		<0.2	15	4	30	1	8	2	0.4	<5	<5	<5	1.49	97	<10	52	14	39	<20	<20	7	0.55	0.14	0.12	0.01	0.04	10	2	2	2	<1	<5	<10	0.06	<1
700W 200N		1.0	34	4	87	4	19	5	0.4	<5	11	<5	8.50	227	<10	84	79	72	<20	<20	9	1.64	0.49	0.18	<.01	0.08	12	2	4	7	<1	<5	10	0.13	7
700W 250N		0.5	82	6	417	4	61	6	3.0	<5	<5	<5	3.03	207	<10	119	35	40	<20	<20	14	1.47	0.45	0.38	<.01	0.08	27	17	2	11	<1	<5	<10	0.06	2
700W 300N		1.0	201	12	254	8	38	5	1.0	<5	10	<5	4.68	150	<10	112	65	75	<20	<20	17	3.23	0.39	0.21	<.01	0.07	14	29	3	10	<1	<5	<10	0.08	7
700W 350N		0.3	34	6	233	3	44	7	0.3	<5	5	<5	2.90	347	<10	148	39	55	<20	<20	13	1.86	0.69	0.32	<.01	0.08	18	9	3	20	<1	<5	<10	0.12	5
700W 400N		0.2	136	3	72	2	29	3	0.7	<5	<5	<5	1.73	100	<10	219	23	23	<20	<20	21	2.05	0.14	0.24	0.03	0.03	15	69	<2	5	<1	<5	<10	0.03	<1
700W 450N		0.6	71	7	219	2	71	11	3.3	<5	<5	<5	2.33	740	<10	253	29	42	<20	<20	14	1.35	0.61	1.10	0.02	0.11	49	13	3	9	<1	<5	<10	0.07	2
700W 500N		0.2	14	4	34	2	15	4	<0.2	<5	<5	<5	1.42	208	<10	180	17	31	<20	<20	6	0.87	0.33	0.40	0.03	0.10	21	2	3	5	<1	<5	<10	0.07	1
800W 000N		<0.2	12	6	53	2	13	3	<0.2	<5	<5	<5	1.37	160	<10	90	18	32	<20	<20	11	0.79	0.31	0.37	<.01	0.07	17	3	3	4	<1	<5	<10	0.10	<1
800W 050N		0.3	57	3	48	3	98	8	2.7	<5	<5	<5	1.03	865	<10	204	10	13	<20	<20	21	0.80	0.18	2.04	0.02	0.04	89	32	<2	3	<1	<5	<10	0.02	1
800W 100N		0.5	49	<2	1408	7	344	18	8.6	<5	<5	<5	1.90	1211	<10	272	12	13	<20	<20	6	0.78	0.17	2.72	0.01	0.02	127	10	<2	4	<1	<5	<10	0.01	<1





# Inchcape Testing Services

## Bondar Clegg

# Ge hemical Lab Report

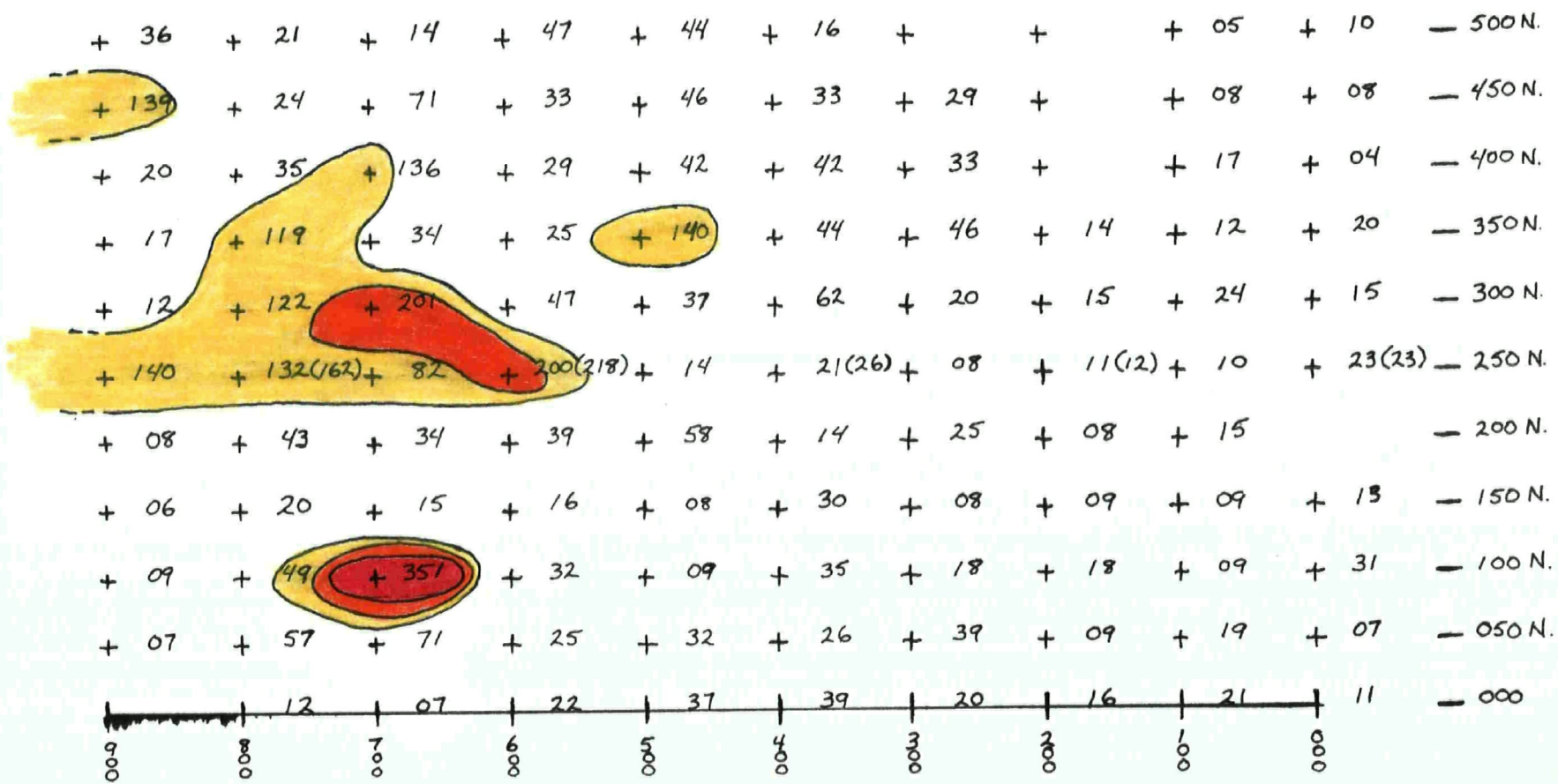
CLIENT: TANANA EXPLORATION  
REPORT: V96-01730.0 ( COMPLETE )

PROJECT: NONE GIVEN  
DATE PRINTED: 30-OCT-96 PAGE 4

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
800W 150N		0.3	20	4	309	3	37	4	2.2	<5	<5	<5	1.80	152	<10	84	20	41	<20	<20	8	0.85	0.28	0.24	0.01	0.07	22	6	2	7	<1	<5	<10	0.07	<1
800W 200N		1.0	43	11	359	9	27	5	0.7	<5	9	<5	7.24	307	<10	67	38	125	<20	<20	8	1.25	0.47	0.22	<.01	0.08	39	10	2	7	<1	<5	11	0.10	5
800W 250N PUP		0.5	162	10	570	6	61	6	2.7	<5	6	<5	2.61	287	<10	158	34	59	<20	<20	12	1.86	0.44	0.70	0.01	0.04	30	21	3	15	<1	<5	<10	0.08	2
800W 250N		0.4	132	8	502	6	54	8	3.1	<5	<5	<5	2.25	424	<10	136	28	49	<20	<20	11	1.64	0.36	0.69	0.02	0.04	30	20	3	12	<1	<5	<10	0.06	2
800W 300N		0.4	122	10	697	5	76	8	5.6	<5	<5	<5	2.19	361	<10	166	28	55	<20	<20	12	1.54	0.48	0.78	0.01	0.05	38	27	3	13	<1	<5	<10	0.05	1
800W 350N		0.7	119	7	110	3	20	2	1.2	<5	<5	<5	1.37	80	<10	126	17	28	<20	<20	10	0.72	0.15	0.26	<.01	0.04	18	7	2	3	<1	<5	<10	0.06	<1
800W 400N		0.3	35	2	80	2	28	2	1.4	<5	<5	<5	1.16	65	<10	106	15	15	<20	<20	7	0.69	0.17	0.55	0.01	0.08	27	6	<2	3	<1	<5	<10	0.03	1
800W 450N		0.4	24	8	165	4	34	6	1.1	<5	6	<5	2.58	331	<10	174	40	58	<20	<20	14	1.75	0.64	0.58	0.01	0.15	31	6	5	10	<1	<5	<10	0.12	2
800W 500N		0.3	21	7	57	3	30	7	<0.2	<5	<5	<5	2.64	331	<10	166	46	64	<20	<20	15	1.85	0.83	0.46	<.01	0.12	26	6	5	14	<1	<5	<10	0.15	5
900W 000N		IS																																	
900W 050N		0.2	7	8	143	3	17	7	0.3	<5	<5	<5	2.60	292	<10	112	32	59	<20	<20	11	1.47	0.50	0.36	<.01	0.12	17	4	5	11	<1	<5	<10	0.14	2
900W 100N		0.4	9	9	151	3	19	9	3.4	<5	<5	<5	2.49	376	<10	156	32	59	<20	<20	13	1.28	0.46	0.32	<.01	0.10	19	3	4	11	<1	<5	<10	0.12	2
900W 150N		0.3	6	9	132	2	8	3	1.6	<5	<5	<5	1.48	232	<10	133	17	40	<20	<20	9	0.73	0.20	0.18	<.01	0.04	14	2	4	4	<1	<5	<10	0.11	<1
900W 200N		1.3	8	48	209	15	14	2	3.2	<5	25	<5	4.31	101	<10	235	36	251	<20	<20	9	0.65	0.15	0.11	0.02	0.14	116	2	3	3	<1	<5	<10	0.13	2
900W 250N		0.4	140	11	479	5	86	14	7.6	<5	<5	<5	1.80	373	<10	133	25	38	<20	<20	10	1.33	0.25	1.18	0.01	0.04	60	36	<2	7	<1	<5	<10	0.03	<1
900W 300N		0.6	12	7	243	9	8	1	3.6	<5	<5	<5	2.11	128	<10	136	13	117	<20	<20	5	0.65	0.21	0.12	0.02	0.04	24	5	3	4	<1	<5	<10	0.12	2
900W 350N		0.6	17	4	118	4	9	1	2.5	<5	<5	<5	1.13	52	<10	43	6	36	<20	<20	2	0.27	0.08	0.07	0.03	0.03	9	2	<2	1	<1	<5	<10	0.05	<1
900W 400N		0.6	20	22	184	11	19	3	2.1	<5	6	<5	3.21	160	<10	62	26	104	<20	<20	8	1.15	0.32	0.16	<.01	0.04	15	3	5	6	<1	<5	<10	0.13	2
900W 450N		1.1	139	4	923	8	156	10	20.7	<5	<5	<5	1.72	802	<10	177	17	41	<20	<20	18	1.31	0.29	1.45	0.03	0.06	63	59	2	7	<1	<5	<10	0.04	2
900W 500N		0.4	36	8	163	4	40	10	0.9	<5	<5	<5	3.18	556	<10	209	50	71	<20	<20	18	2.06	0.90	0.61	0.01	0.23	34	7	5	15	<1	<5	<10	0.16	5

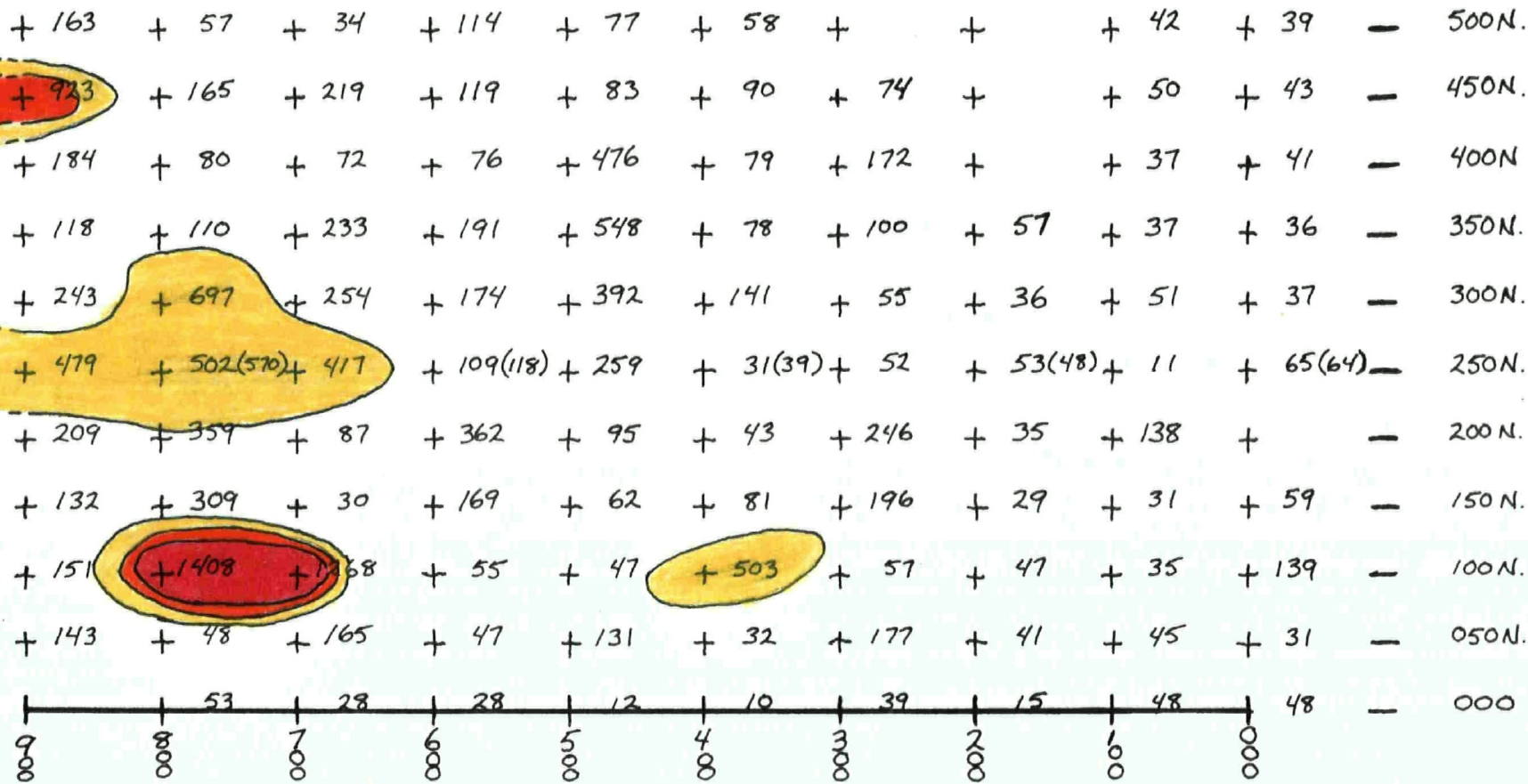
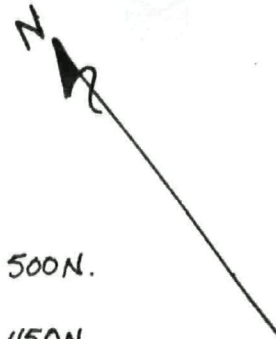
## APPENDIX B

### Soil Geochemistry Maps



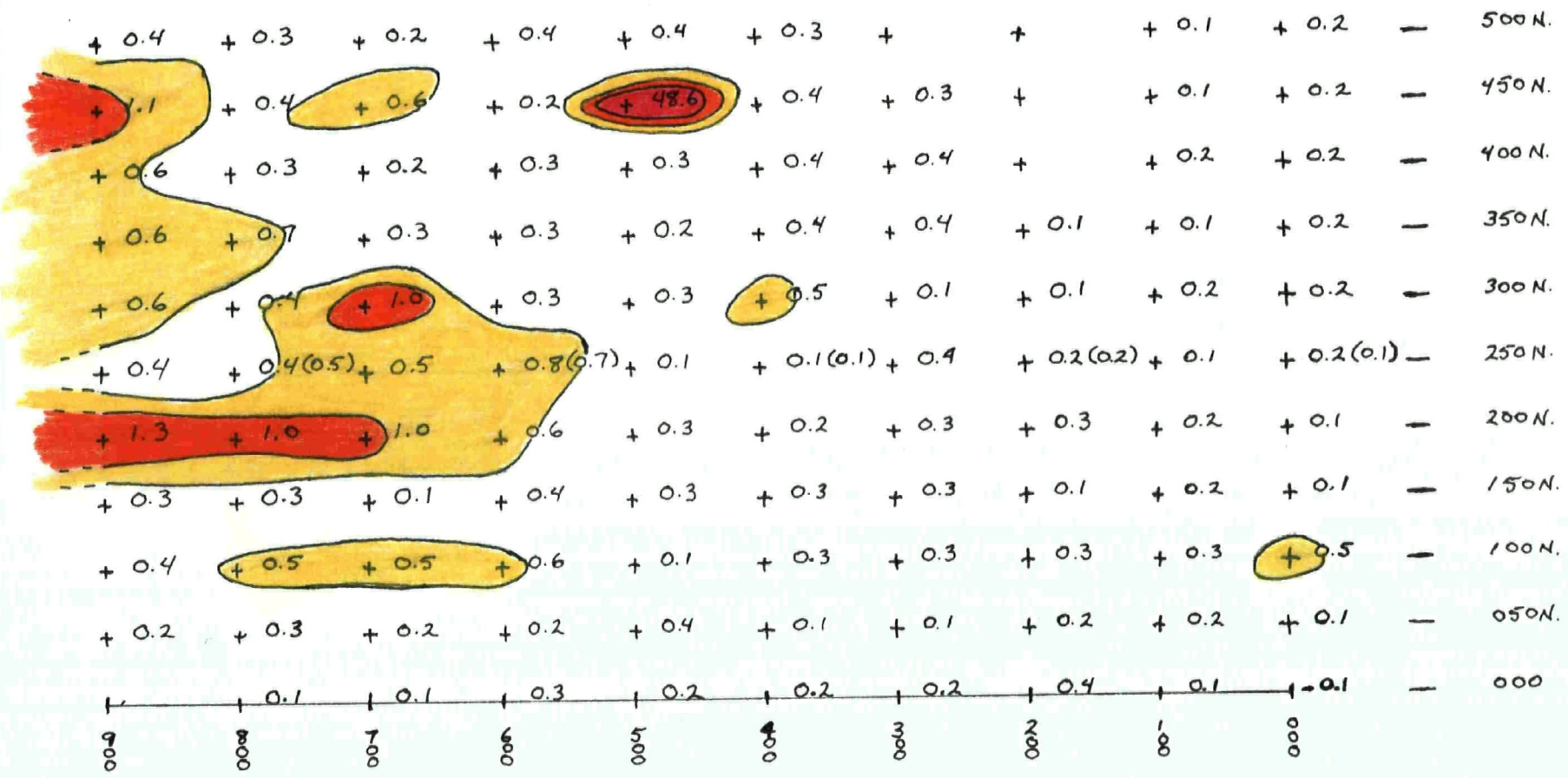
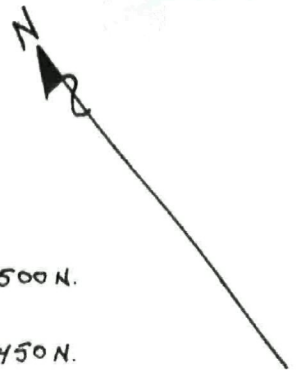
IRON CREEK - SOIL GEOCHEMISTRY - Cu in ppm  
 0+00W to 9+00W

- + sample location
- + 0-81 ppm
- 80-160 ppm
- 161-240 ppm
- 241+



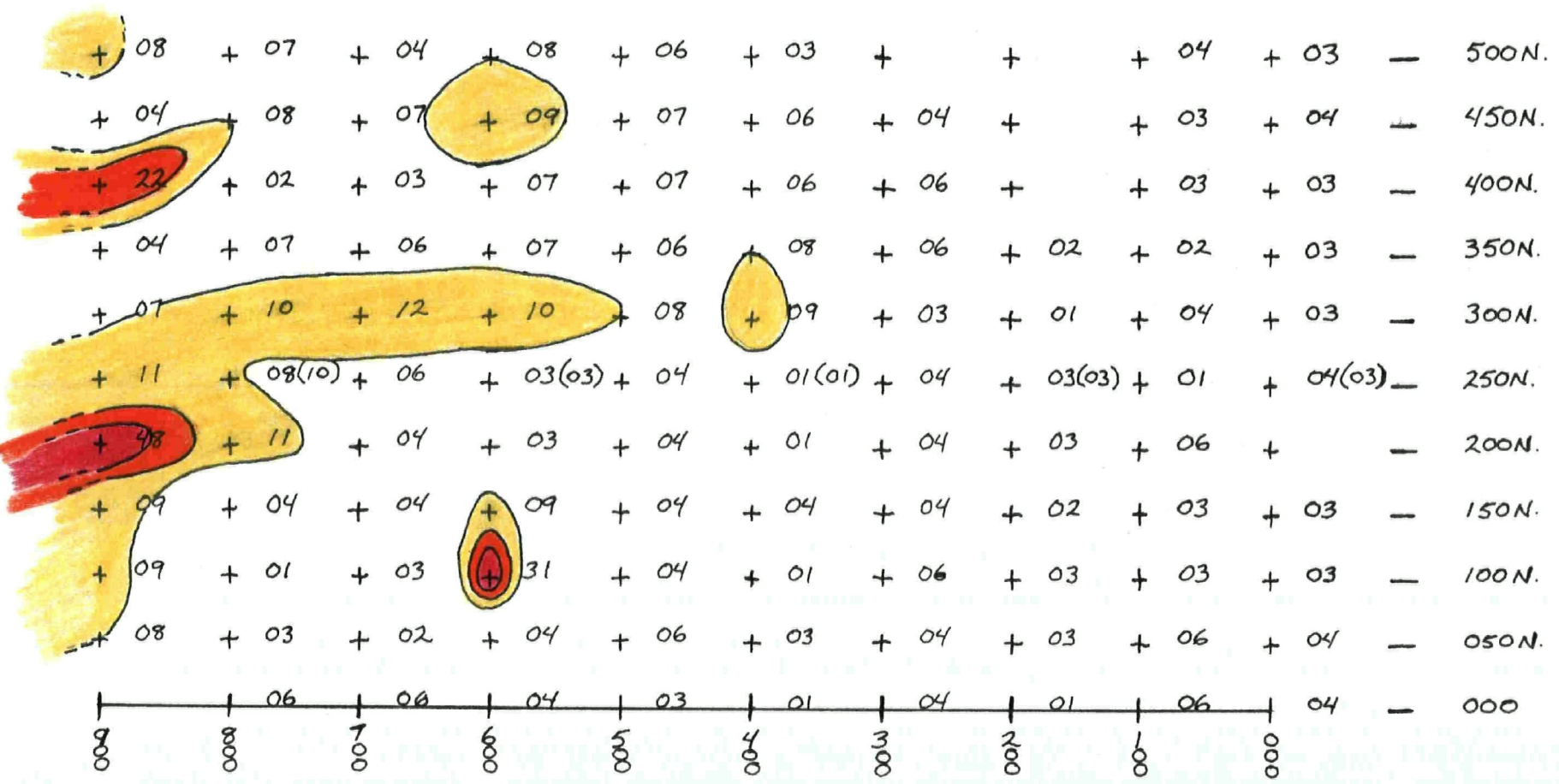
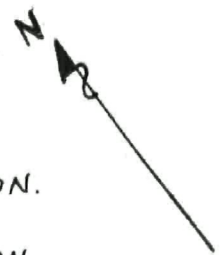
IRON CREEK - SOIL GEOCHEMISTRY - Zn in ppm  
0+00W to 9+00W

- + sample location
- + 0 - 400 ppm
- 401 - 800 ppm
- 801 - 1200 ppm
- 1201 +



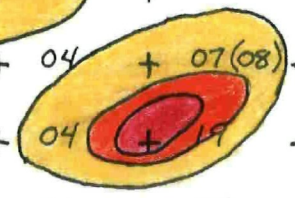
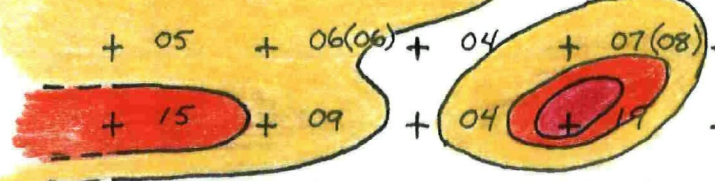
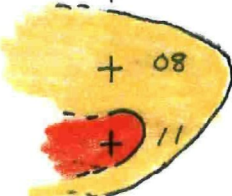
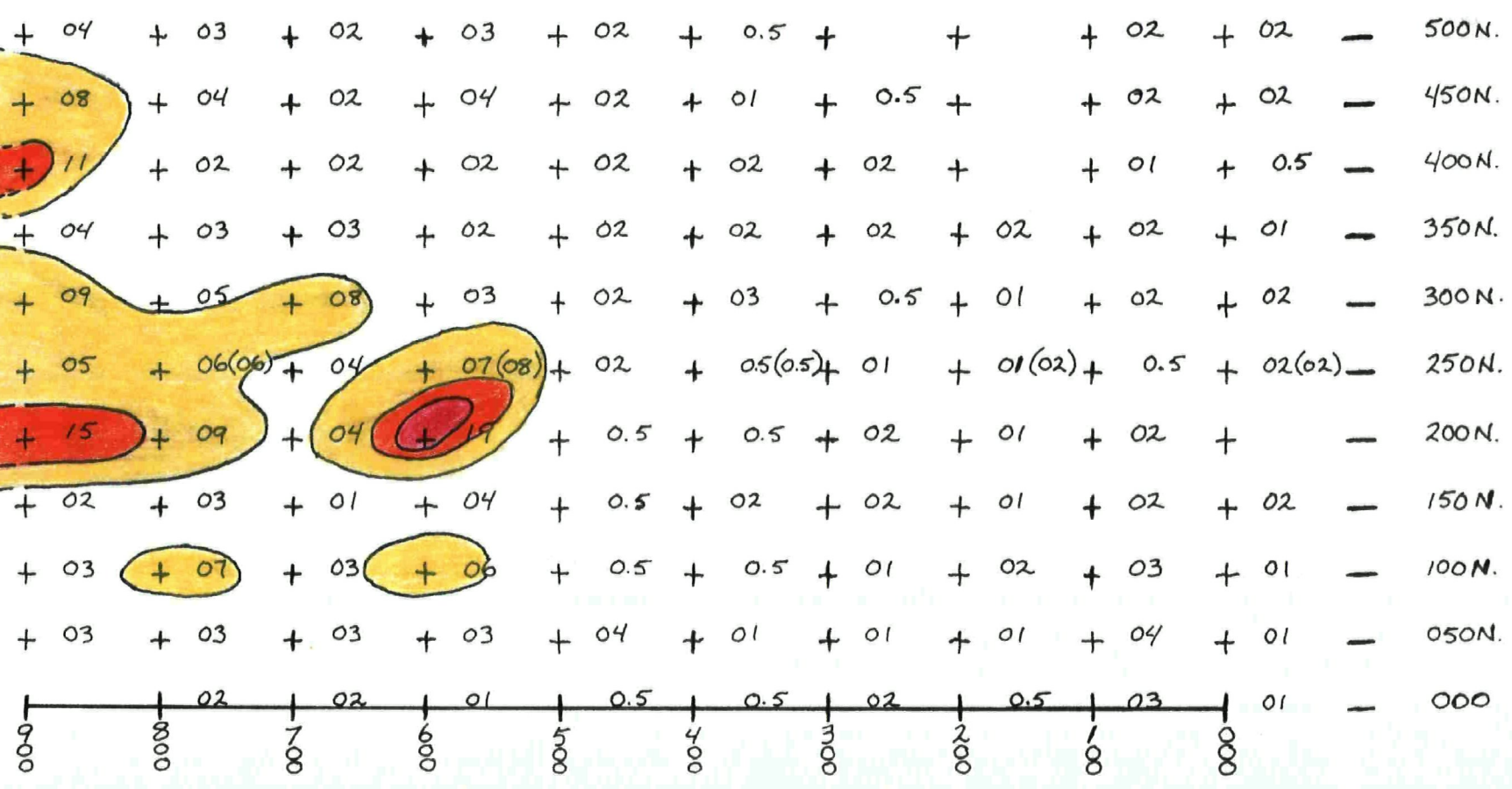
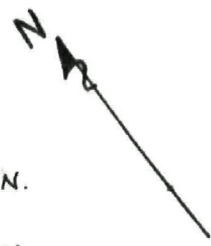
IRON CREEK - SOIL GEOCHEMISTRY - Ag in ppm  
 0+00W to 9+00W

- + Sample location
- + 0 - 0.4 ppm
- 0.5 - 1.0 ppm
- 1.1 - 1.5 ppm
- 1.51 +



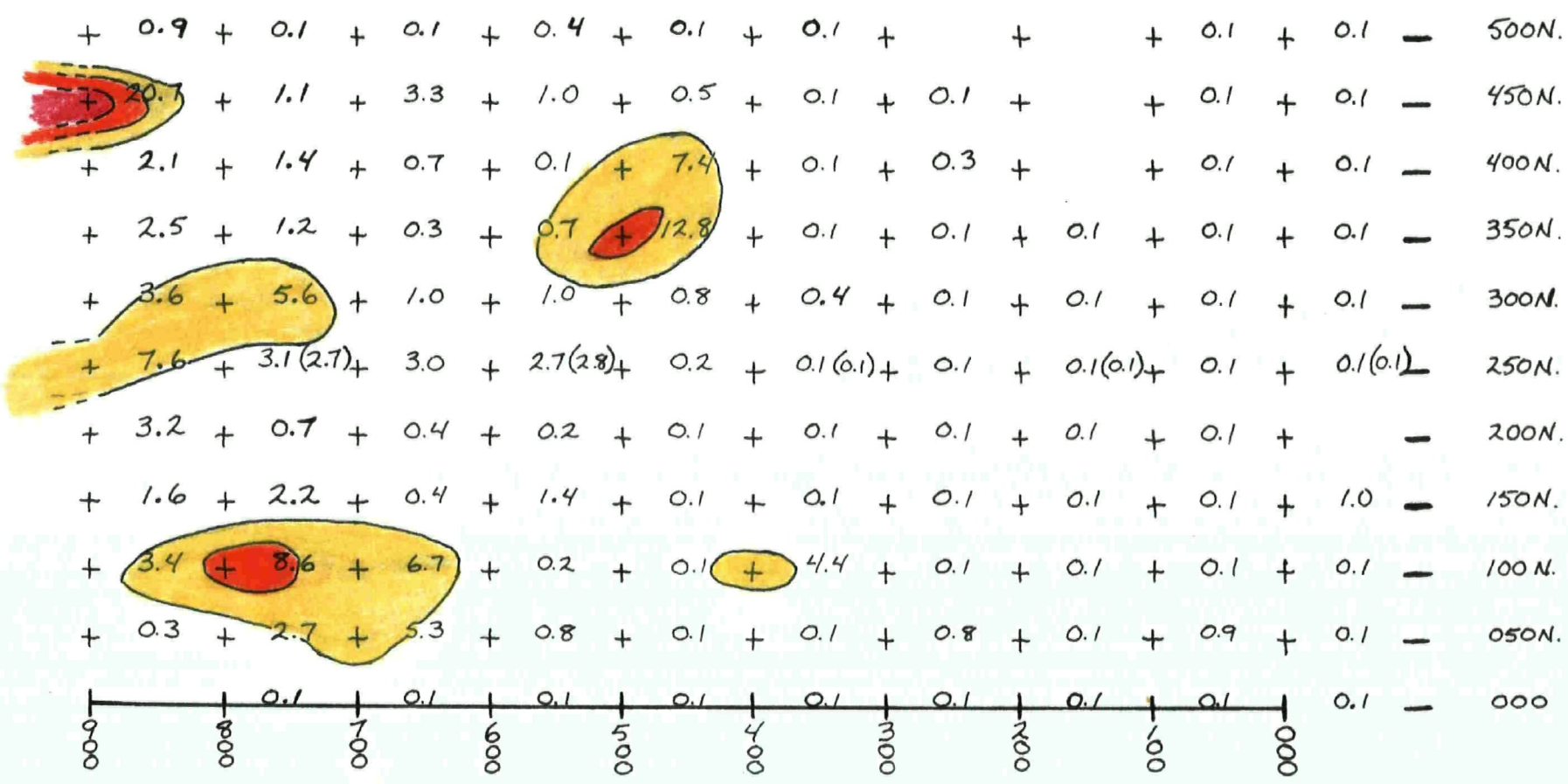
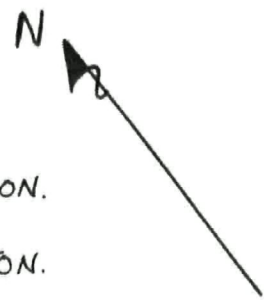
IRON CREEK - SOIL GEOCHEMISTRY - Pb in ppm  
 0+00W to 9+00W

- + Sample location
- + 0 - 7 ppm
- 8 - 16 ppm
- 17 - 24 ppm
- 25 +



IRON CREEK - SOIL GEOCHEMISTRY - Mo in ppm  
 0+00W to 9+00W

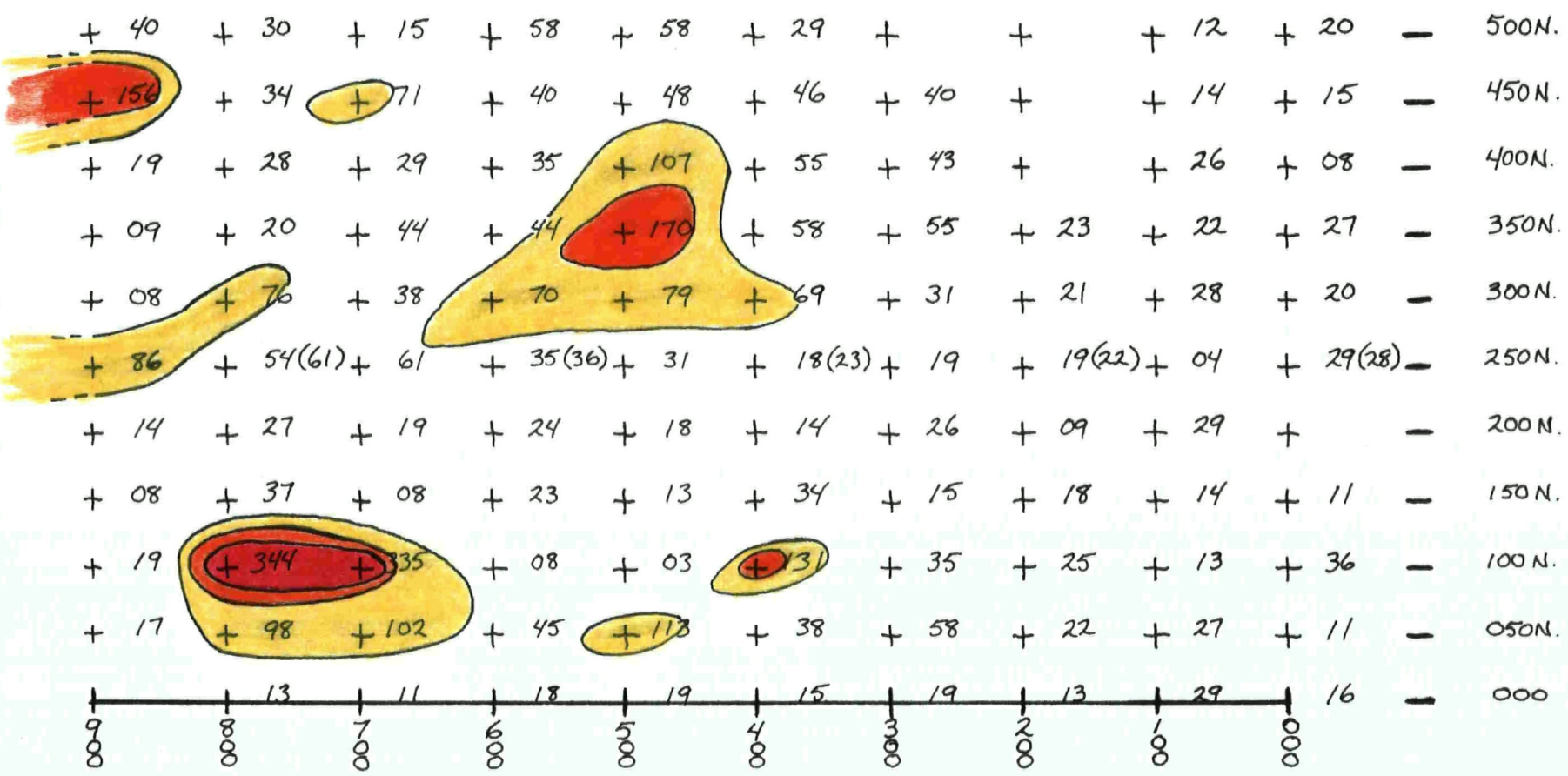
- + Sample location
- + 0-5 ppm
- 6-10 ppm
- 11-15 ppm
- 16-20 ppm



IRON CREEK - SOIL GEOCHEMISTRY - Cd in ppm  
 0+00W to 9+00W

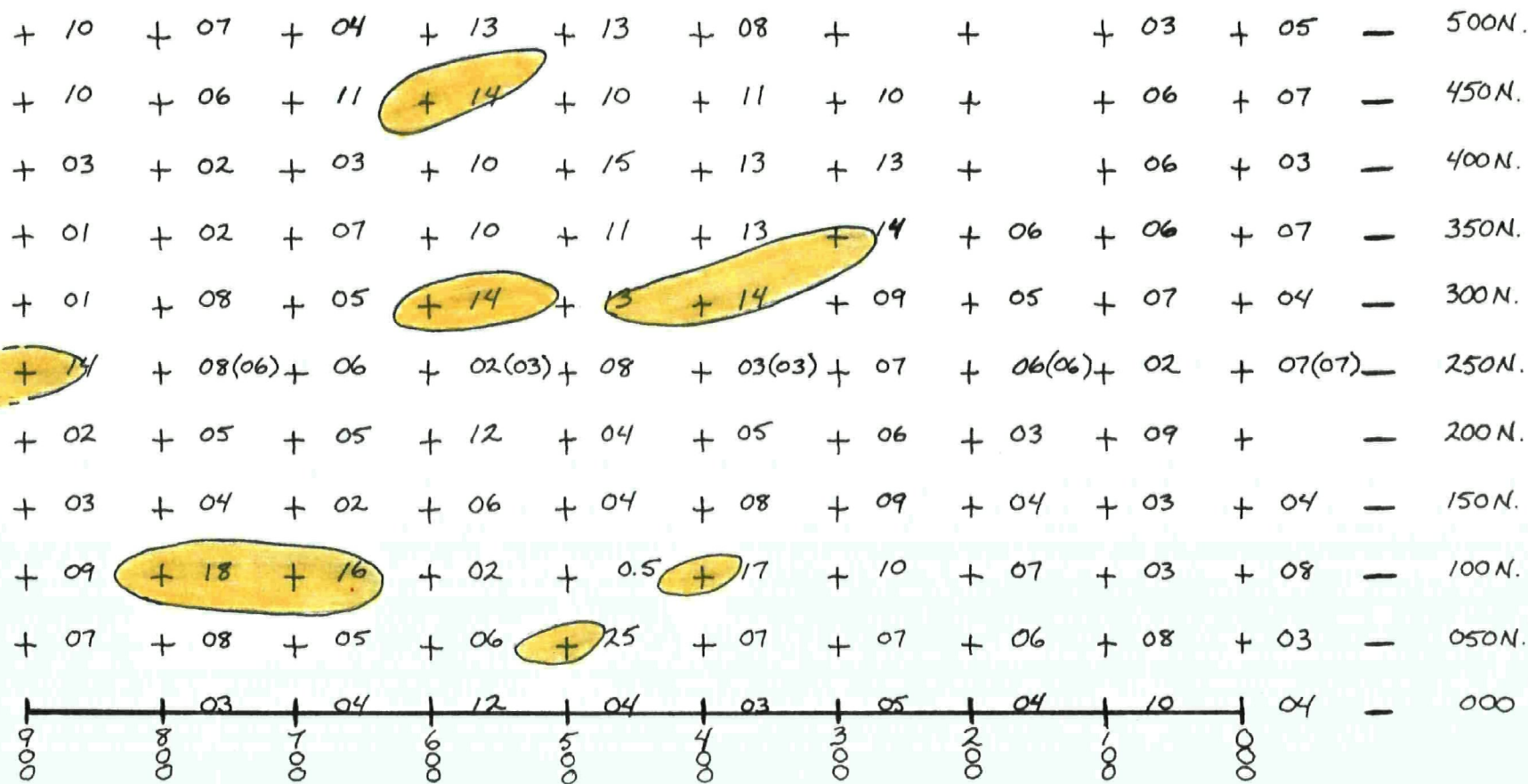
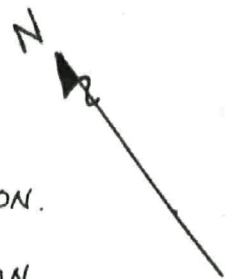
- + Sample location
- + 0 - 4 ppm
- 4.1 - 8 ppm
- 8.1 - 12 ppm
- 12.1 +





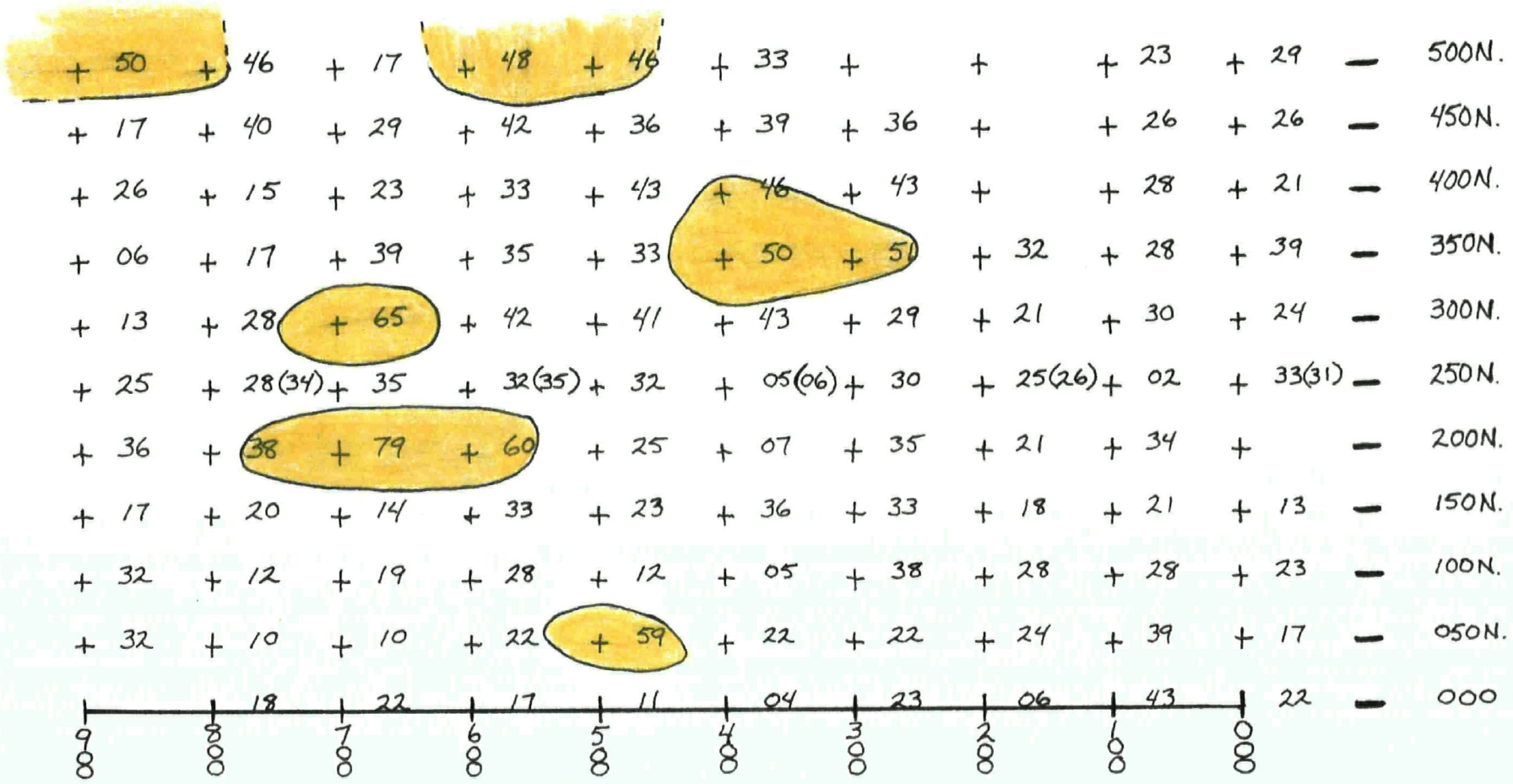
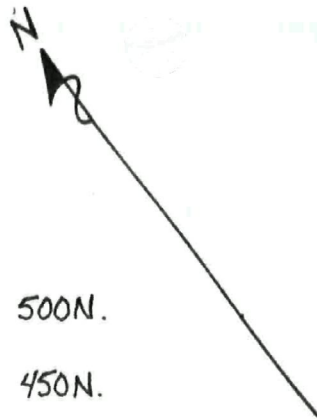
IRON CREEK - SOIL GEOCHEMISTRY - Ni in ppm  
 0+00W to 9+00W

- + Sample location
- + 0-65 ppm
- 66-130 ppm
- 131-195 ppm
- 196 +



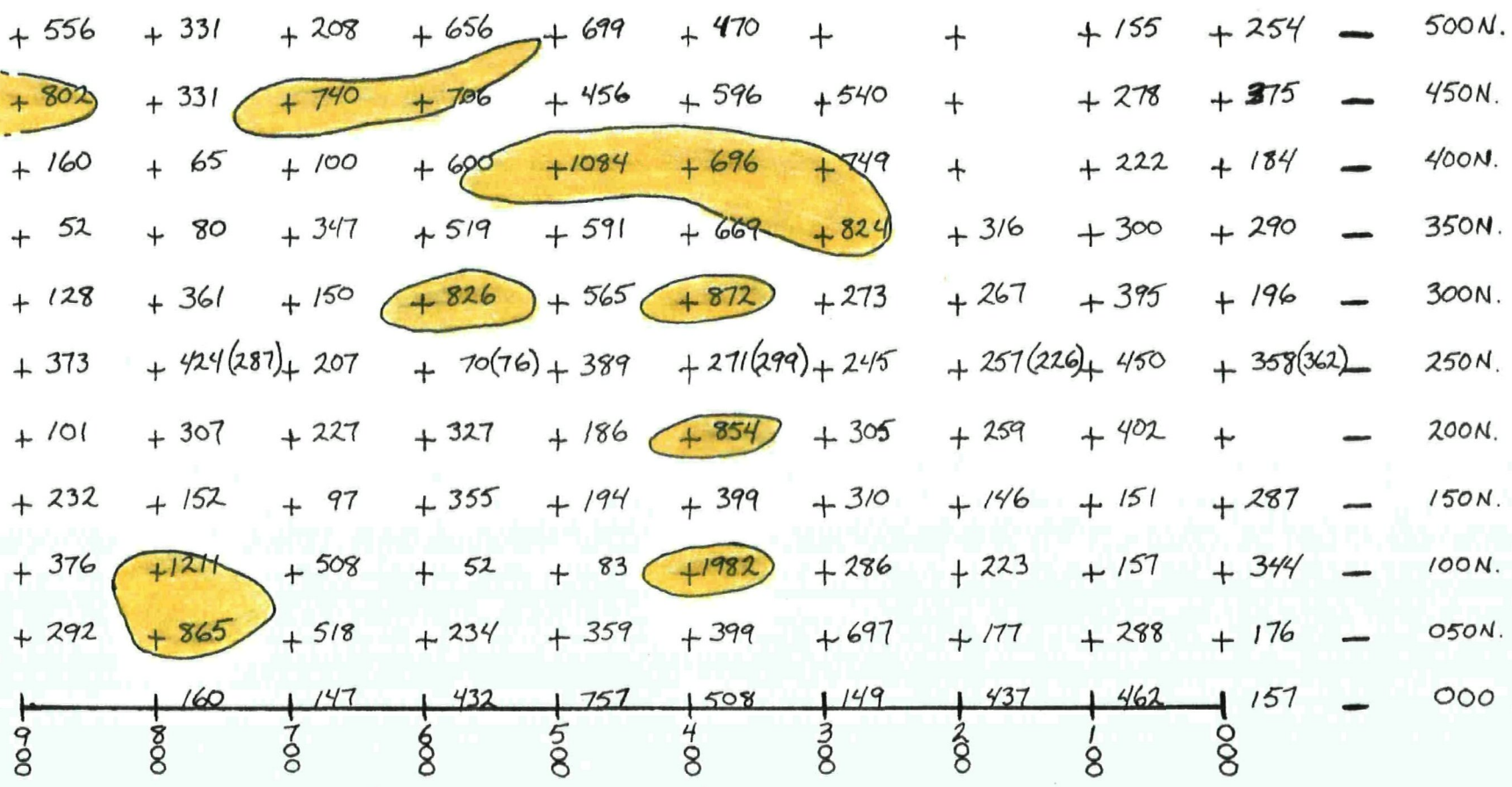
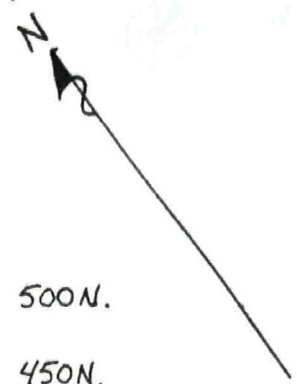
IRON CREEK - SOIL GEOCHEMISTRY - Co in ppm  
 0+00W to 9+00W

- + Sample location
- + 0 - 12 ppm
- > 12 ppm



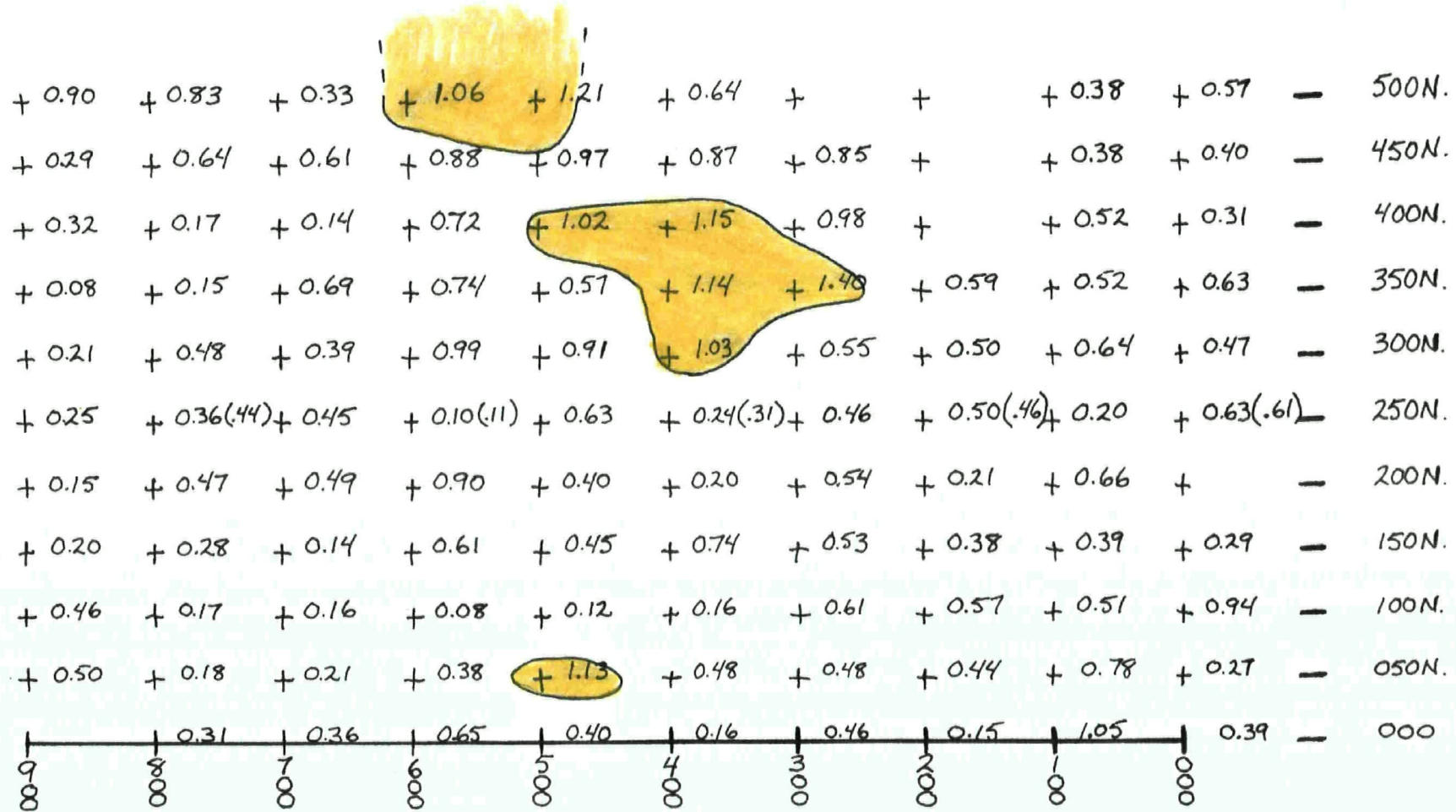
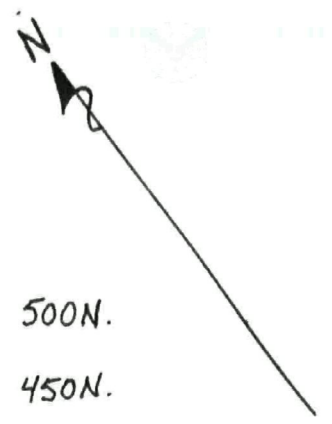
IRON CREEK - SOIL GEOCHEMISTRY - Cr in ppm  
 0+00W to 9+00W

- + Sample location
- + 0 - 45 ppm
- > 45 ppm



IRON CREEK - SOIL GEOCHEMISTRY - Mn in ppm  
0+00W to 9+00W

- + Sample location
- + 0 - 700 ppm
- > 700 ppm



IRON CREEK - SOIL GEOCHEMISTRY - Mg in %  
 0+00W to 9+00W

+ Sample location  
 + 0-1%  
 ● >1%

**An Evaluation Survey  
of the  
Upper Boswell River Area, NTS 105F 4**

**Prepared for Clayton Wilson in  
partial fulfillment of the YMIP  
requirements for grant 96-033  
by Steve Traynor, Geologist.**

### **Project Location and Access**

The survey area is located within the drainage basin of the upper Boswell River, east of the Teslin River, in the southern part of the Big Salmon Range of the Pelly Mountains.

A tote road connecting the area with the South Canol Road provides access requiring the use of 4 wheel drive vehicle equipped with a winch.

Access via an excellent gravel strip, located in the area of the confluence of Wyllie Creek on the north side of the Boswell River, by fixed wing aircraft from Whitehorse is the preferred method of entry into the area.

### **Property Description**

The property currently comprises a contiguous block of 54 quartz claims located between Falls Creek and Red Mountain Creek on the north side of the Boswell River.

Details of the claims are as follows;

<u>Grant Number</u>	<u>Claim Name</u>
YB66577 - YB66592	CHARM 1 - 16
YB66593 - YB66608	STAR 1 - 16
YB96803 - YB96824	MAR 1 - 22

The CHARM and STAR claims were staked as two separate blocks in February 1996, to cover the main showings in the area. The MAR claims were staked in September 1996 to cover the intervening ground and consolidated the property.

### **Previous Work and Exploration Activity**

Geological mapping in the area was first conducted in 1935 by E. J. Lees for the GSC, later geological mapping is reported in Open File 486 and Map 7 - 1960. Regional stream

sediment geochemical data is available from GSC Open Files 1290 and 564.

The area has been intermittently active since the turn of the century and extensive prospecting in the 1920's resulted in some staking and small high grade operations which produced an unknown quantity of lead-silver ore over the years.

Subsequent exploration activity in the mid 1960's principally by Boswell River Mines Ltd. returned high grade assays from quartz lenses in dolomite. EM geophysical surveying proved to be useful in delineating a moderately conductive zone in this area and gave some indication of the overall size of the dolomite band. Work was also done to the east in the area of the old adit, located on what are now the Charm claims.

Restaked in the early 1970's by El Paso Mining and Milling Co. the area around and west of the old adit was extensively soil sampled and indicated a number of coincident lead/silver anomalies. Assay results of sampling of the old trenches in this area are reported to have averaged 2.0 oz/ton Ag and 0.8% Pb.

This area was restaked in late 1979 and transferred to Golden Empire Mines Ltd. which preformed some linecutting and soil sampling in 1980 and 1981. Little new information, other than the occurrence of molybdenum in the area was reported as a result of this work. Trenching reported during this period appears to have been limited to the reopening of previously existing workings and the old adit. Road work and the construction of the gravel airstrip apparently took place in 1982. A claim staked to the west in 1981 by Skagway Moly Inc. was reportedly trenched by bulldozer, but no evidence of this work was apparent during ground reconnaissance.

The focus of exploration activity in this region shifted, around this time, to the area



south of the Boswell River around Red Mountain when promising Cu/ Mo mineralization was identified associated with a large porphyritic stock. Amoco carried out a major exploration and drilling program on the deposit before selling its interest in the property to Tintina Mines Ltd. in 1993.

### **Regional and General Geology**

A steeply dipping, northwest trending band of chloritic quartz-mica schists interbedded with minor dolomite lenses is found to be intruded by quartz rich, occasionally porphyritic sheets of mineralized veins in an area north of the Boswell River, south of the contact with the Quiet Lake batholith. The veins, up to 20 feet wide, are steeply dipping and carry sulfides and often appreciable amounts of silver bearing galena in a gangue of quartz.

Lees(1936) indicates the presence of an igneous facies in the zone which Taylor for El Paso Mining and Milling Co.(1974) mapped as a tuffaceous unit.

Deformation and fracturing resulting from the emplacement of various intrusive stocks, particularly the Quiet Lake batholith, likely created most of the pathways for the mineralization in the zone. The dolomite lenses located, mostly in the western sections of the property also appear to have created pathways for the mineralization. Evaluation and orientation work carried out in the course of last summer's work indicate that the veins generally widen and increase in grade with depth. Grade ratios for the area show a silver to lead ratio of between 2 to 3 : 1, although more detailed work is necessary to confirm what if any zoning of this ratio may exist on the property.

Other vein and fracture filling silver-lead deposits known in the region, include the

Tintina, Ketza and Groundhog.

### **Description and Summary of Work**

A total of 20 days were spent during the summer of 1996 evaluating the Boswell River property. Early in June, four days were spent attempting to access the property via the Sidney Creek road. This attempt was stopped short when deep snow was encountered crossing the Red Mountain summit area and necessitated the use of fixed wing aircraft to return the prospectors to Whitehorse. During mid July, two weeks were spent in the area investigating old showings, trenches and other workings. A full orientation in the area was facilitated using the vehicle recovered from the Red Mountain summit and a good road joining the two main showings. Sampling and prospecting carried out during this period confirmed previously reported high grade values and the wide spread nature of the mineralization. An attempt to open the old adit was unsuccessful and would probably require the use of earth moving equipment. During recovery of the vehicle in late September, 22 claims were staked to tie together the original blocks and the intervening ground was prospected in the process. This area, particularly in the west central part of the property is deeply drift covered and outcrop is very limited.

A total of 16 whole rock samples, from various lithologies and quartz veins were collected and are discussed below.

### **Analysis and Results**

Four samples were submitted to a local lab for assay and analysis and confirmed values reported in the literature. Visual inspection of other sampled vein material and analysis of

samples 96R 060 and a GRAB sample obtained from a trench above the old adit showed that many veins on the property carry values in the 20 - 40 oz./ton Ag range. A sample, 96R 212, from old trenching over the dolomite lense on the STAR claims returned very high grade values for silver and lead. A significant gold value of 0.01 oz/ton was also obtained from this sample. Wall rock sample, 96R 207, taken from an area near the granite contact to the east revealed some minor enrichment along the contact.

### **Conclusions and Recommendations**

Significant amounts of silver and lead are present in the numerous quartz veins which occur across the property. Compilation of previous exploration results and observations made during the course of this evaluation are strongly suggestive of the high grade potential of the area. Indeed further investigation may indicate a good possibility for a small scale, high grade mining operation in the area. The proposed construction of a custom milling operation in the Whitehorse area would certainly increase the probability of success of such an operation.

To facilitate a more detailed assesment of the area's potential to support such an operation, a base line should be cut across the property to provide proper control for the locating and mapping of previous and future results and information. The common line of the MAR claims could be used for the purpose if it was widened and extended onto the STAR and CHARM claims.

Detailed sampling of all quartz veins in the area and subsequent contouring of the results on the basis of grade ratios, would certainly assist in identifying the areas with the

highest potential for supporting any mining operation. Detailed trenching in these areas, likely by machine, would then be carried out before any production decision could be made.

The use of EM geophysics has proved useful in previous investigations and would likely assist in identifying the potential of the deeply drift covered section of the property, particularly in the west central areas, where field observations suggest a good potential for the discovery of additional dolomite lenses hosting high grade quartz veins. The results of such a survey would then dictate what, if any, areas should be further investigated by trenching.

Finally, the granite contact should be prospected across the whole of the area, with any geologically interesting areas followed up by soil sampling and/or geophysical survey.

## ASSAY CERTIFICATES

16/08/96

Assay Certificate

Page 1

TAN-EX

WO#10469

Sample #	Au oz/ton	Ag oz/ton	Pb %	Zn %
96-R-207	<0.001	2.24	0.726	0.020
96-R-212	0.010	174.00	58.700	0.004
GRAB	0.001	31.30	10.120	0.003



20/11/96

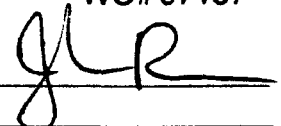
Assay Certificate

Page 1

Tanana Exploration

WO# 07157

Certified by



Sample #	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm
96R060	39	>50.0	8	>10000	9



26/11/96

Assay Certificate

Page 1

Tanana Exploration

WO# 07157a

Certified by 

Sample #	Ag g/mt	Pb %
96R060	481	7.30





Notes to accompany Interim claim 1- Clayton Wilson(YMIP #96-033)

Summary of Field work completed to July 1, 96(see attached field notes for details)

Prospector: CRW(Clayton R. Wilson)

Helper(s): WSC(Wade S. Carrell)

SDT(Steve D. Traynor)

June 1 -4/96

① June 1 - Reconnaissance of Sidney Creek tote road to attempt access to Boswell River area. Prospected area of confluence of Iron Creek and Sidney Creek after discovery of mineralized float. Winched around large washout which has rendered road virtually inaccessible past this point. Continued until 11 pm to area where beaver have flooded the road.

- CRW & WSC

June 2 - Cut trail on high ground around beaver dam and pond to bypass this area, continued on as far as the headwaters of Red Mountain Creek. The road was blocked by 4 - 6 foot snow drifts. Camped at 10pm.

- CRW & WSC

June 3 - Made radio contact with town to arrange for Cessna pickup on the airstrip at the Boswell River camp. Secured truck for later relocation to Boswell camp after the snow has melted and began hike the rest of the way down to the airstrip. Covered first seven miles and camped before the Boswell River crossing.

- CRW & WSC

June 4 - Crossed the Boswell River and hiked last 3 - 4 miles to the airstrip and camp. Assessed camp condition and met pilot for flight back to Whitehorse.

- CRW & WSC

June 14 - 16/96

② June 14 - Left Whitehorse and travelled to Iron Creek to prospect area identified on June 1. Located additional sulfide mineralization in float and traced it back to bedrock occurrences on Iron Creek.

- CRW & WSC

③ June 15 - Continued to prospect Iron Creek, located other mineralized outcrop and sampled a number of difference localities and rock types. Staked Bozo claims # 1 - 8 along Iron Creek baseline to cover mineralized bedrock exposures

from the Sidney Creek road up to the area where there is virtually no bedrock exposure.

- CRW & WSC

June 16 - Re-flagged commonline of claims staked the previous day and continued to prospect the Iron Creek valley, upstream to granite contact. Returned to town to consult with S. Traynor and D. Ouellette and submit 2 samples for analyses.

④

- CRW & WSC

June 20 - 24/96

June 20 - Prospected creeks east and west of Iron Creek and identified similar mineralized float and began staking additional claims to cover large pencil shaped areo-magnetic anomaly, trending in the same direction as bedrock in the area, that had been identified as being located roughly in the middle of the zone on mineralization previously prospected and staked on Iron Creek. Staked Bozo # 9 - 24 to cover magnetic high east of Iron Creek.

Staking Days

2 - ⑤

- CRW & WSC

June 21 - Staked Big Top # 1 - 6 and 13 - 16 to start to cover magnetic high west of Iron Creek. Prospected outcrop along or near commonline and noted areas of other outcrop off the line for later prospecting. Made trip to town to obtain more staking supplies and returned to camp by midnight.

3 - ⑥

- CRW & WSC

June 22 - Staked Big Top # 7 - 12 and 17 - 22 and prospected while staking as per previous day.

4 - ⑦

- CRW & WSC

June 23 - Completed claim block to cover areo-magnetic high west of Iron Creek by staking Big Top # 23 - 30 and continued detailed prospecting of exposed bedrock along Iron Creek.

5 - ⑧

- CRW & WSC

June 24 - Continued detailed prospecting of Iron Creek and started to map, classify and

⑨

sample all lithological units exposed on Iron Creek. Returned to Whitehorse to resupply and do detailed research of deposit type models.  
- SDT & WSC

June 28 - July 1/96

10  
June 29 - Traversed western end of claim block to investigate outcrop occurrences identified during staking and to prospect ridge above the claims. The area east of Iron Creek reported to have been trenched in the 1960's and late seventies was also prospected for bedrock and old trenching. An assay certificate submitted for assesment(MINFILE for 105C) showed silver values of 130g/ton Ag and .03g/ton Au.

- CRW, WSC & SDT

11  
June 30 - Mapping and detailed sampling where continued on Iron Creek and the area east along Sidney Creek was prospected where an extension of the areo-magnetic high was shown to cross the creek. Outcrop and float samples obtained on this traverse show lithologies similar to the mineralized zone originally staked on Iron Creek.

- CRW, WSC & SDT

12  
July 1 - Completed detailed sampling of exposed bedrock units on Iron Creek and continued to prospect the staked area east of Iron Creek. Returned to Whitehorse to compile notes, discuss and describe samples and prepare samples for shipping to Bondar Clegg for analysis.

- CRW, WSC & SDT

SJT's notes (Steve T. Raynor)

JOB

Iron Creek

DATE

June 24, 196

PAGE

PAGE

① At Iron Creek waterfall  
thinly banded  $\frac{1}{4}$  inch or less  
ophanitic gty rich with  
Schistose textures.  
Bandings is accentuated on  
the weathered surface due  
to the removal of pyrite  
and possibly disseminated  
galena. Pyrite is fine  
grained, but occasionally  
cubic. Limonitic staining  
and weathering products, in  
abundance where the creek cuts  
the unit.

Y CHIEF

HER

PARTY CHIEF

WEATHER

W  
wade

JOB.....

DATE..... PAGE.....

~~clipping~~  
Schistosity trends  
308°/84 S  
Crossfracturing trends  
at 42°/71 SE  
Occasionally interbedded  
with mafic rich layers  
that appears as a chloritic  
Schist ~~minor~~ to a to almost  
shaly in texture with  
5+% pyrite ~~thru~~  
interbedded,



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WEATHER

JOB.....

DATE June 24/96 PAGE.....

These interbeds are often  
less than 3m wide  
② 100 m upstream  
(50 ft elevation). Over  
5m the unit grades into  
from a lightly green  
weathered buff color  
to a darker green  
mafic rich chloritic schist  
with tightly banded with  
the appearance of  
pyrite porphyroblasts  
and minor chlorite

PARTY CHIEF

WEATHER



JOB.....

DATE..... PAGE.....

Disseminated Sphalerite.

This unit is very magnetic and easily attracts the magnet.

Bedding grades into more sphalerite rich beds. See sample

96.R-002-03. (see 96R<sup>01A</sup>~~002~~-03, same rock)


In the area where this unit is its most mafic and magnetic it weathers to a smooth polished surface where the creek cuts it.

 NW

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WEATHER

JOB.....

DATE..... PAGE 96R 003-03

 Top of traverse

Small etc. of shistose ch. that may have been granitized. Very magnetic.

→ Float 96R004-03

Sample <sup>contains</sup> Pyrite & chalc. Very siliceous. Shows some banding but not well defined. Non magnetic. Sulfides are disseminated to fine grained, accounting for 30-40% of the rock.

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WEATHER

 NW

JOB Iron Creek Exploration

DATE June 29, 1966 PAGE

PAGE

Fide

rosine gas,  
a characteristic  
ton eggs.

On Common Line between  
7/8 & 9/10 ~~Big~~ top claims,  
Near top of 7/8.

Talc-chlorite schist minor  
gossanous stain (patchy)  
Appear heavily sheared  
along a trend of  $108^{\circ}$   
Appear along a faulted  
Contact that dips at  $51^{\circ}S$   
See 96R-005-03.

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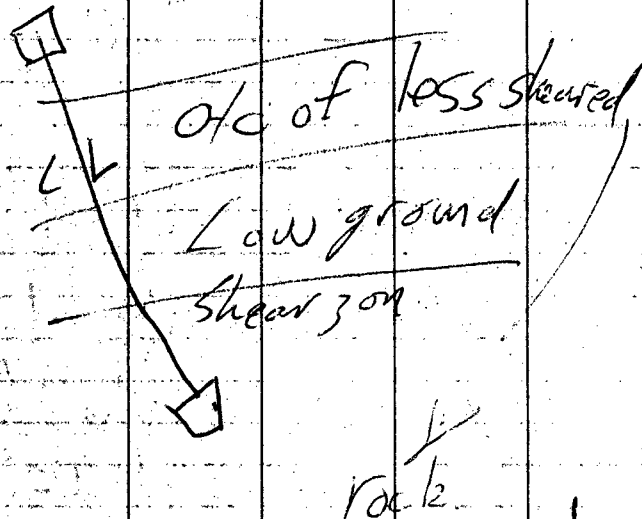
WEATHER

W  
WAGE

JOB.....

DATE.....

PAGE.....



Similar to sheared  
etc. with 2-3%  
Pyrite - No magnetite



PARTY CHIEF.....

WEATHER.....

JOB.....

DATE.....

PAGE.....

June 30  
 ① Top of Bogo 3/4  
 - Suboutcrop of non schistose  
 quartz stone. Very  
 little banded structure  
 Mn, magnetite  
 and sulphides (Pyrite) chalcos?

FR 007-03

② Bogo 7/8 Above  
 rubber box. Thinly  
 bedded pyritic slaty schist  
 slightly fractured in an  
 irregular (stock work pattern)

PARTY CHIEF.....

WEATHER.....





JOB

DATE

PAGE

Three

The other sets of  
 main fracture planes  
 are obvious the  
 strongest is a fault  
 plane that is obvious  
 the length of the creek  
 it trend 224/82°W.  
 The second <sup>along</sup> the plane  
 of the schistosity strikes  
 300°/85°S  
 third set is weak doesn't  
 144/23N  
 Form obvious planes.



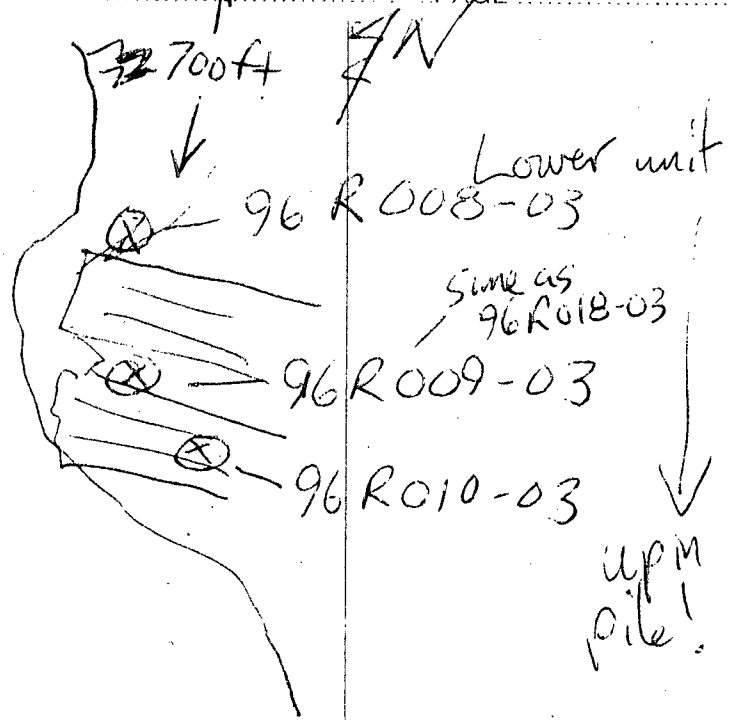
PARTY CHIEF  
WEATHER

JOB

DATE

PAGE

B57-718 #2 post



Stock work is 2-3%  
 and shows a whitish alteration  
 that is very cherty.

PARTY CHIEF  
WEATHER



JOB.....

DATE.....

PAGE.....

③ 1000ft below Bozo  
748 #2 posts. Py rock.  
65X Qtz rich band  
layer with 30-40%  
Sulfides. Sample  
96R-011-03 was

taken from large piece  
of angular float. Indications  
in immediate area suggest  
bedrock occurrence is  
nearby.

Other float shows  
larger clasts of pyritic  
shale in Qtz from rounded  
boulder. 96R012-03



PARTY CHIEF.....

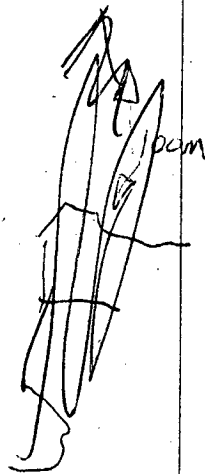
WEATHER.....

JOB.....

DATE.....

PAGE.....

④ Matrix rich siliceous  
layer, highly magnetic.  
See location ② - June 24/96.



see over

PARTY CHIEF.....

WEATHER.....

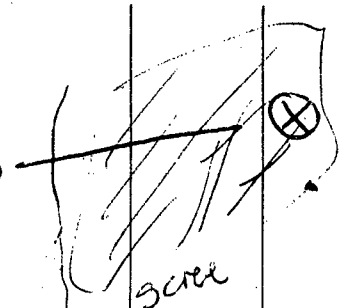


JOB

DATE

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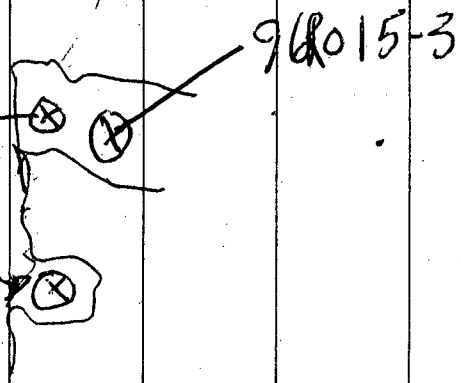
96R017-3



Sand  
sloper

F  
96R016-3

Same sample  
96R002-3  
96R014-3



96R013-3



PARTY CHIEF

WEATHER

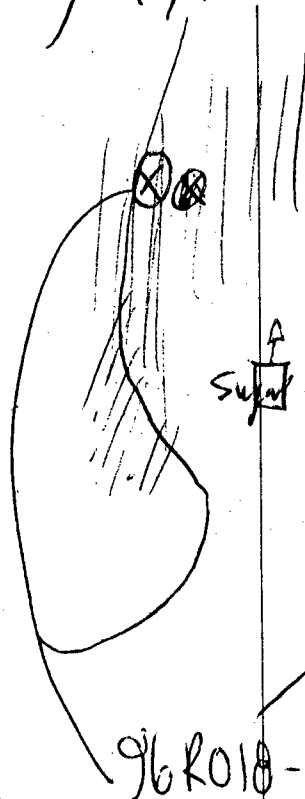
JOB

DATE

July 1/96

PAGE

①



A  
Sulf #1

Same as ~~96R007-03~~  
96R009-03

96R010-3

Pyritic shale with  
thinly band sulfide  
mineralization

PARTY CHIEF

WEATHER



JOB.....

DATE..... PAGE.....

② 100ft North of  
Hope III, Post 1  
greenish silicious  
non band rock with  
minor qty. stringers  
Sub angular-sub rounded  
float about 5-10% in  
overburden.

96R019-3



PARTY CHIEF.....

WEATHER.....

JOB.....

DATE..... PAGE.....

96F020-3

Float (sub outcrop)  
~~at~~ see location 2  
on June 24/96

\* Description of 95R008-3  
from June 30/96.  
Appears gradational between  
pyritic shaly unit and more  
felsic rich unit as  
per 96R011-3, which appears  
to be stratigraphically lower

PARTY CHIEF.....

WEATHER.....



# CRW's Notes (Clayton Wilson)

JOB. Benswell River.

DATE. June 1951. 96. PAGE 1

- left White Horse 6:30 AM
- STARTED cutting open the trail to Benswell River worked until 11 PM.
- found mineralized float in riverbed along ~~river~~ creek ~~river~~ creek to loop creek near water falls. will investigate at a later date.

Sample cut core consisted of bedded, stratified, coarse gravel, consisted of granite, quartz, mica, & rust colored gravel, evidence of old placer workings, fast pit etc. pushed the road in to a beaver dam which stopped further access 11 PM made camp.

Sample # 96 R 001.01

PARTY CHIEF.....

WEATHER Sunny 15° C



JOB Basswell River

DATE June 2

PAGE

6 AM planned to cut road around  
beaver dam to continue into  
Basswell river

11:30 Had access finished stopped  
for lunch

12:00 continued on a lot of muskeg  
travelled as far as the start  
of Red Mountain creek.  
The road was snow covered  
and could not travel any further  
set up camp 10:00 P.M.

A decision was made to hike  
the last 3 miles to the project  
area following the course of  
Red Mountain creek to Basswell  
river in the A.M.  
on the 3rd tributary above, south  
Lake on the north side cut crest  
consisted of muskeg, quartz, chert  
shale gravel, broken chert, quartz.

PARTY CHIEF

CLAYTON

WEATHER

Overcast 10° C



JOB.....

DATE.....

PAGE.....

Road mileage START 196333K  
 will complete mileage when the truck  
 is at the work over.



PARTY CHIEF.....

WEATHER.....

JOB.....

DATE.....

PAGE.....

Russell river  
 June 3-4  
 3  
 6 AM made breakfast started to  
 hike down red mountain creek  
 several cutty crops were exposed  
 through out the valley system  
 alot of dark red gravels in the  
 creek. the last peeper exp on  
 the west side about 1 mile south  
 of Russell river the river  
 gravels turned to a yellow  
 and with a ~~sh~~ shuffler small  
 could be exposed at a faster  
 rate. camped near this area  
 at 9:30 P.M.

June 4

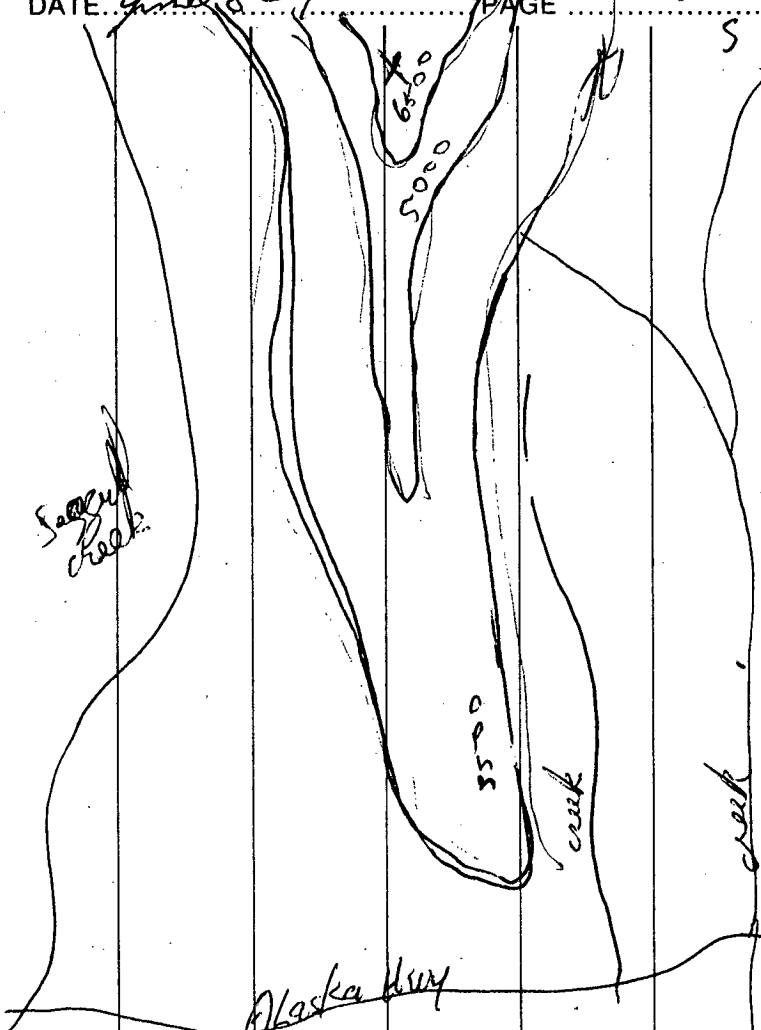
traveled down to the Russell  
 river crossed the river travelled  
 along the river cut fairly exposing  
 out crop and flat along the  
 way a lot of granitic and  
 quartz veins are exposed between  
 the 2 proven zones so geochron  
 and geophysical work are justified.  
 basic hydrograph was slight interbedded  
 with granite

PARTY CHIEF.....

WEATHER.....



JOB. Seagull creek layout N 5  
DATE. June 8 - 9 PAGE 5



JOB. Seagull creek  
DATE. June 8 - 9 PAGE 1

- Intended to investigate the potential for iron garnet layers in the area. The location is at about 6000 FT ASL and because of the late spring the snow at the higher altitudes makes prospecting in this area very difficult. Specks in the ones (center) well rounded granitic granites. The rock outcrop consisted of quartz, up to approx 5000 FT ASL then the large boulder out crop appears to be a conglomerate of small crystals of quartz, garnet, barite, etc. Further inspection at a later date would reveal the outcrop and slices (it appears the slices are still covered by drifted snow).



PARTY CHIEF.....

WEATHER.....

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WEATHER.....

Wade Curwell  
17°C - 9°C  
overcast windy.





JOB

Lynn creek

DATE

June 15th 14:15

PAGE

1

135° SE strike  
Dip 60°  
2 shale rock samples  
Location  
P 41 691  
P 33 095 crawler  
P 41 687 # 2  
96 R 002 01  
96 R 003 01

these rock samples  
were taken at approx  
5000 ft up the stream  
from Hope #1 stream on  
Iron reef formation  
along the east side of the  
creek ~~but not~~ outcrop of post  
composed of a bedded shale  
slate interbedded with  
pyrite accompanied quartz in  
very fine beds

PARTY CHIEF

Clayton Wilson

WEATHER

16°C Overcast AM



JOB

Direction of claim 350° N

DATE

PAGE

Post #  
1  
BOZO  
# 1  
1500 FT # IV  
1500 FT LEFT  
June 15  
1996  
C WILSON

Post  
# 2  
BOZO # 1  
June 15 1996  
C WILSON

PARTY CHIEF

WEATHER

Post #

1  
BOZO  
# 2  
1500 FT IV  
1500 FT R  
June 15  
1996  
C WILSON

Post #2  
BOZO  
# 2  
June 15  
1996  
C WILSON



JOB.....

JOB.....

DATE.....

PAGE.....

DATE.....

PAGE.....

POST # 1  
Bozo  
# 3  
1500 FT W  
1500 FT LEFT  
June 15  
1996  
C WILSON

POST # 1  
Bozo  
# 4  
1500 FT W  
1500 FT RT  
June 15  
1996  
C WILSON

POST  
# 1  
Bozo  
# 5  
1500 FT W  
1500 FT LEFT  
June 15  
1996  
C WILSON

POST  
# 1  
Bozo  
# 6  
1500 FT W  
1500 FT RT  
June 15  
1996  
C WILSON

POST  
# 2  
Bozo  
# 3  
June  
15  
1996  
C WILSON

POST # 2  
Bozo  
# 4  
June  
15  
1996  
C WILSON

POST  
# 2  
Bozo  
# 5  
June 15  
1996  
C WILSON

POST #.  
2  
Bozo  
# 6  
June 15  
1996  
C WILSON



PARTY CHIEF.....

WEATHER.....

PARTY CHIEF.....

WEATHER.....



JOB.....

DATE.....

PAGE.....

POST #1  
 BOZO  
 #7  
 1500 FT IV  
 1500 FT LEFT  
 June  
 15  
 1996  
 CLAY WILSON

POST  
 #  
 BOZO  
 #8  
 1500 FT N  
 1500 FT RT  
 June  
 15  
 1996  
 CLAY WILSON

POST  
 #2  
 BOZO  
 #7  
 June  
 15  
 1996  
 C WILSON

POST #2  
 BOZO  
 #8  
 June  
 15  
 1996  
 C WILSON



PARTY CHIEF.....

WEATHER.....

JOB.....

DATE.....

PAGE.....

June 20  
 Stake and run lines for Bozo  
 # 9-16

POST #1  
 BOZO #9  
 1500' IV 1500' L  
 June 20 1996  
 C WILSON

POST #2  
 BOZO #9  
 June 20 1996  
 C WILSON

POST #1  
 BOZO #11  
 1500' N 1500' L  
 June 20 1996  
 C WILSON

POST #2  
 BOZO #11  
 June 20  
 1996  
 C WILSON

POST #1  
 BOZO #13  
 June 20 1996  
 1500' N  
 1500' L

PARTY CHIEF.....

WEATHER..... C. WILSON

POST 1  
 BOZO #10  
 1500' N 1500' R  
 June 20 1996  
 C WILSON

POST #2  
 BOZO #10  
 June 20  
 1996  
 C WILSON

POST 1  
 BOZO #12  
 1500' W 1500' R  
 June 20  
 1996  
 C WILSON

POST #2  
 BOZO #12  
 June 20  
 1996  
 C WILSON

POST #1  
 BOZO #14  
 June 20 1996  
 1500' N 1500' R  
 C WILSON



JOB.....

DATE.....

PAGE.....

Post #1 Boso 15 1500' N 1500' L June 20 1996 C. WILSON	Post #2 Boso 15 June 20 1996 C. WILSON	Post #1 Boso 17 1500' N 1500' L June 20 1996 C. WILSON	Post #2 Boso 17 June 20 1996 C. WILSON	Post #1 Boso 19 1500' N 1500' L June 20 1996 C. WILSON	Post #2 Boso 19 June 20 1996 C. WILSON	Post #1 Boso 21 1500' N 1500' L June 20 1996 C. WILSON	Post #2 Boso 21 PARTY CHIEF June 20 1996 C. WILSON WEATHER
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JOB.....

DATE.....

PAGE.....

Post 1 Boso 23 1500' N 1500' L June 20 1996 C. WILSON	Post 2 Boso 23 June 20 1996 C. WILSON	Post 1 Bistop 13 1500' N 1500' L June 21 1996 C. WILSON	Post 2 Bistop 13 June 21 1996 C. WILSON	Post 1 Bistop 15 1500' N 1500' L June 21 1996 C. WILSON	Post 2 Bistop 15 June 21 1996 C. WILSON	Post 1 Bistop 17 June 22 1996 1500' N 1500' L C. WILSON	Post 2 Bistop 17 June 22 1996 C. WILSON	Post 1 BISTOP 19 1500' N 1500' L June 22 1996 C. WILSON	Post 2 BISTOP 19 June 22 1996 C. WILSON	Post 1 BISTOP 20 1500' N 1500' R June 22 1996 C. WILSON	Post 2 BISTOP 20 June 22 1996 C. WILSON	Post 1 BISTOP 22 1500' N 1500' R June 22 1996 C. WILSON	Post 2 BISTOP 22 1500' N 1500' R June 22 1996 C. WILSON
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JOB.....

DATE.....

PAGE.....

Traverses were run at 15:00 interspersed running N of the road (sidney creek rd) to do reconnaissance reporting and input areas for outcrop.

The outstanding features of this area other than the large bedrock outcrop along the river face. on a ridge about 1000' above (N) of the road the first area of greenstone beltting was observed trending east-west above (North) of this area is a hopewell hill zone with no trees at all growing just buck brush and grass. This area is a large basin that measures 2000' wide x 6000' long.

PARTY CHIEF.....

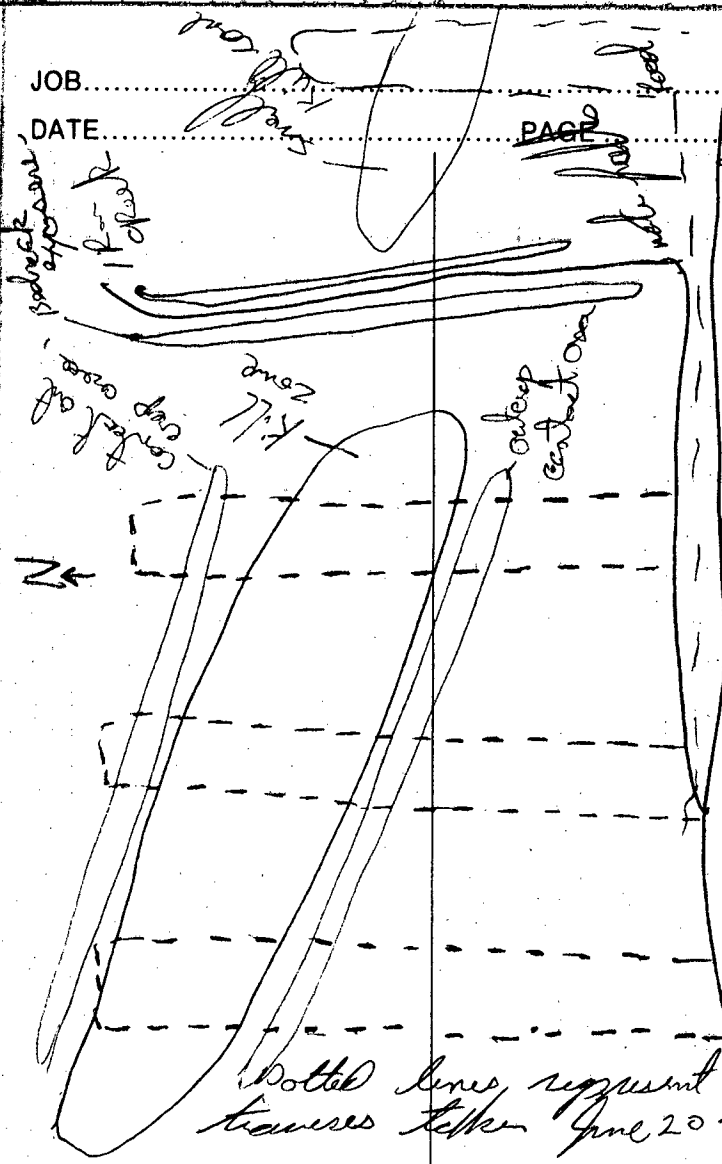
WEATHER.....



JOB.....

DATE.....

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PARTY CHIEF.....

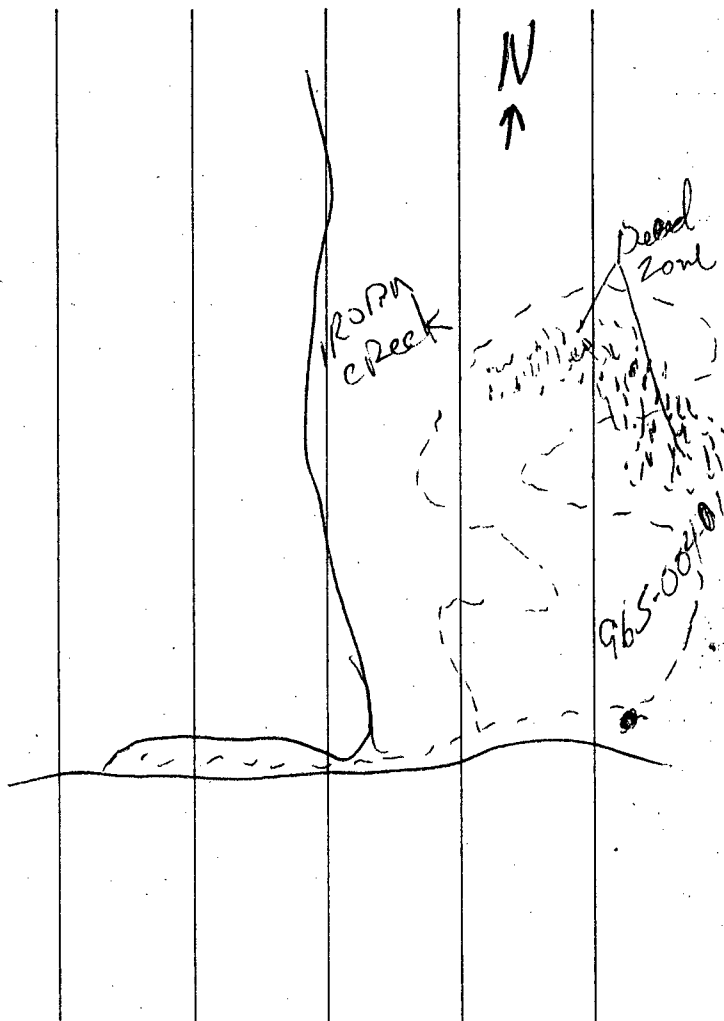
WEATHER.....



JOB.....

DATE.....

PAGE.....



**nw**  
waco

PARTY CHIEF.....

WEATHER.....

JOB.....

DATE.....

PAGE.....

Iron Creek prospect  
 June 28 - 29

Prospect the area around  
 and through the tapered claims  
 known as the Ranger Claims.  
 early reports in the min file  
 claim a bulldozer trench.  
 The report stated they had  
 exposed galena that assayed  
 190 gm. ton but these exposures  
 have not been found at this  
 time. An unusual sand  
 outcrop on the upper benches  
 of the sidney creek were  
 pan tested as the sand  
 contained visible pyrite and  
 visible gold.  
 Sample # 965-004-01

PARTY CHIEF.....

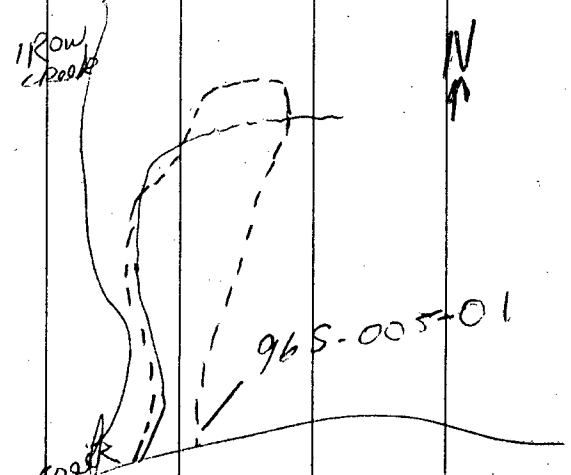
WEATHER.....

AM +5° PM 15° C  
 Partly cloudy day

**nw**  
waco

JOB Iron Creek  
 DATE June 29 ~~AM~~ PAGE

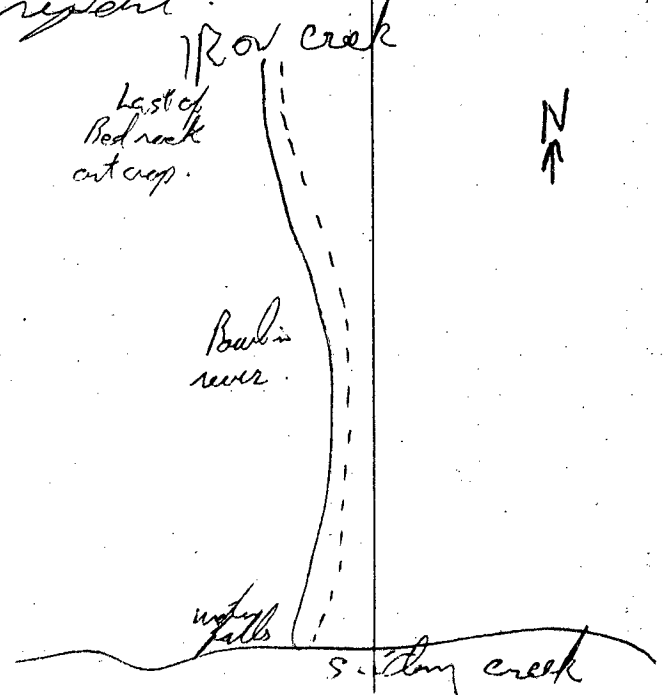
rain delayed exploration  
 a traverse was run  
 up an old, old trail  
 intersected the creek (up  
 of Iron Creek) and continued  
 N about 2 km then  
 traversed to the south  
 and east. creek gravels  
 contained quartz & granite. Large  
 granite boulders were also  
 in the creek bottom so  
 granite contact was not far off



**nw** wade  
 SICKS C WILSON  
 PARTY CHIEF  
 WEATHER Rain

JOB Iron Creek  
 DATE June 30 PAGE

Assisted Steve trainer in  
 taking bedrock samples along  
 Iron Creek was 360 m rapping  
 took place across a wide  
 area along a traverse 3000 m long  
 descriptions of rock samples and  
 rock units are in stores  
 report



**nw** wade  
 PARTY CHIEF STEVE  
 WEATHER Rain

JOB Iron Creek

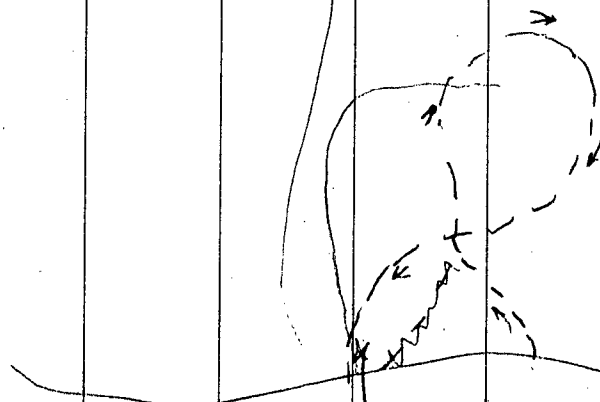
DATE July 15<sup>th</sup>

PAGE

Traverse sites run in a figure 8 to try and locate north and crop. a large ~~crop~~ <sup>1.5M</sup> quantity outcrop was located ~~and~~ and sampled across. no mineralization was observed. ~~no~~ <sup>no</sup> other outcrop were observed. a stream bed sample 96 ST 004-01 was taken at location shown

Iron Creek

N ↑



96 ST 004-01

Sidney Creek



PARTY CHIEF.....

WEATHER.....

JOB Iron Creek

DATE June 23, 1996

PAGE

~~Post 1~~ Post 1 Bistop 23  
1500' N 1500' L  
June 23 1996 CWILSON  
Post 2 Bistop 23  
June 23 1996 CWILSON

Post 1 Bistop 24  
1500' N 1500' R  
June 23 1996 CWILSON  
Post 2 Bistop 24  
June 23 1996 CWILSON

Post 1 Bistop 25  
1500' N 1500' L  
June 23 1996 CWILSON  
Post 2 Bistop 25  
June 23 1996 CWILSON

Post 1 Bistop 26  
1500' N 1500' R  
June 23 1996 CWILSON  
Post 2 Bistop 26  
June 23 1996

Post 1 Bistop 27  
1500' N 1500' L  
June 23 1996 CWILSON  
Post 2 Bistop 27  
June 23 1996 CWILSON

Post 1 Bistop 28  
1500' N 1500' R  
June 23 1996 CWILSON  
Post 2 Bistop 28  
June 23 1996 CWILSON

Post 1 Bistop 29  
1500' N 1500' L  
June 23 1996 CWILSON  
Post 2 Bistop 29  
June 23 1996 CWILSON

Post 1 Bistop 30  
1500' N 1500' R  
June 23 1996 CWILSON  
Post 2 Bistop 30  
June 23 1996 CWILSON

PARTY CHIEF.....

WEATHER.....

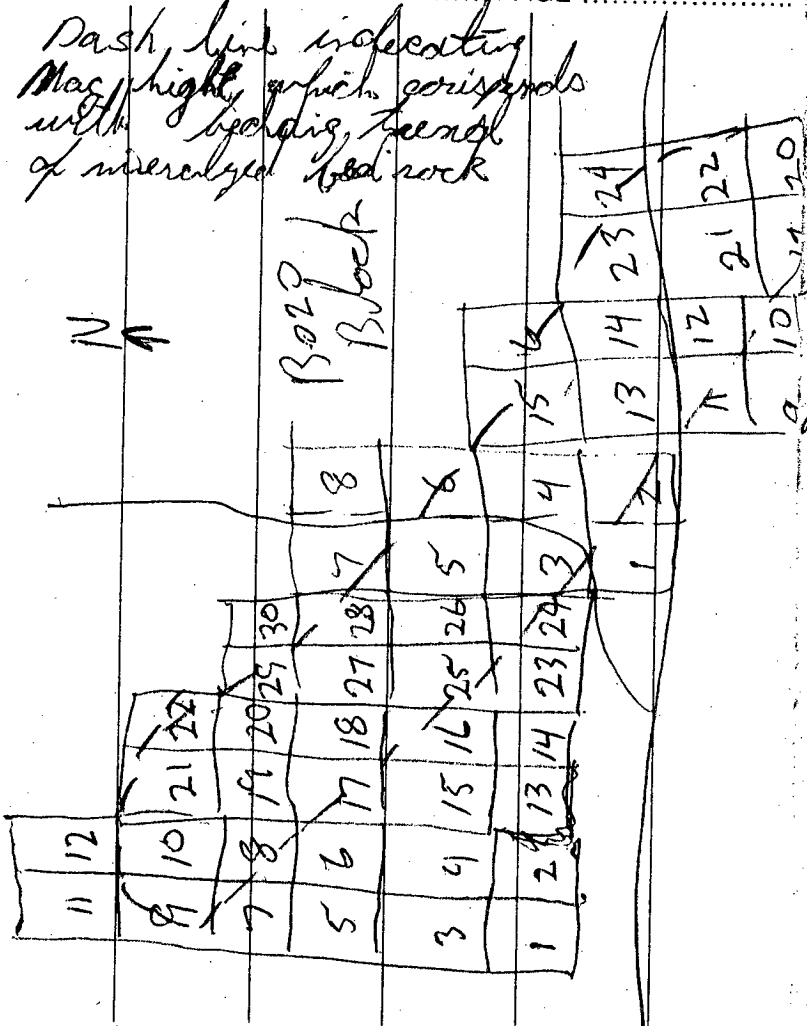




JOB. Clair Block layout

DATE..... PAGE.....

Dash line indicating  
Mag. high, which coincides  
with bedding, trend  
of mineralized bed rock



PARTY CHIEF.....

WEATHER.....

JOB. Iron Creek, Big Top Bozo Summary

DATE. July 4, 1996..... PAGE.....

after an analysis of the rock  
group exposed at bedrock outcrops  
along Iron Creek, a correlation  
of regressive in the areas  
indicated and a comparison of  
the depressed area dead zone and  
with a extent alignment with a  
pencil then magnetic anomaly the  
peeling was mutual between geologist  
Steve Tupper, Wade Crowell and myself  
that this structure is the potential  
for a Volcanogenic Massive Sulphide  
Deposit. First one sample test  
returned 1.5% Zn, so a mineral  
deposit in the area is favorable.  
Further samples later were sent  
to vendor Clay for more  
through chemical analysis before  
any further conclusions can be  
made.

PARTY CHIEF.....

WEATHER.....



## Notes to accompany Interim claim 1- Clayton Wilson(YMIP #96-033)

Summary of Field work completed to July 20, 96(see attached field notes for details)

Prospector: CRW(Clayton R. Wilson)

Helper(s): WSC(Wade S. Carrell)

SDT(Steve D. Traynor)

### July 6 - 19/96

- July 6 - Flew into airstrip at Boswell River, opened camp buildings and setup camp for next two weeks.
- Reviewed research files and prepared traverses.
  - CRW & WSC
- July 7 - Using 3 wheel ATV's we prospected area along Red Mountain Creek back up to where truck was parked due to snow conditions on June 3rd.
- Retrieved truck and returned to camp.
  - CRW & WSC
- July 8 - Traversed south and west from camp to Boswell River and then north on Falls Creek.
- Located abundant sulfide mineralization and some gossan, which was sampled.
  - CRW & WSC
- July 9 - Prospected area between north and south forks of Boswell River.
- Identified area of granite contact and investigated various quartz veins located throughout the day. Also noted some minor dolomite lenses.
  - CRW & WSC
- July 10 - Rained most of the day, quite heavily at times. Stayed close to camp and wrote up notes and plotted traverses from previous days.
- CRW & WSC
- July 11 - Continued to prospect the area west of camp back to Falls Creek.
- Located and sampled additional lenses of dolomite and other members of the metasedimentary sequence in the area.
  - CRW & WSC
- July 12 - Continued to prospect the area east of camp and located additional quartz veins which carried appreciable amounts of galena.
- Sampled exposures and laid out trenches for further sampling.
  - CRW & WSC

- July 13-15 - Started work on trenches laid out the previous day.
- Located additional mineralization and located and began more trenching.
  - Work continued thru this period with additional prospecting to locate the granite contact and other mineralization.
  - Collected numerous samples for assay.
  - Work in this area was curtailed for awhile after encountering a large grizzly.
  - CRW & WSC
- July 16 & 17 - Prospected area west of Wylie creek to locate, investigate and test additional quartz veins. Samples were taken from the areas of the best mineralization.
- Wade worked further to the west and sampled various lithologies mineralized with sulfides and galena.
  - CRW & WSC
- July 18 - Wade and Steve investigated and prospected area of largest dolomite lenses, while I returned to area of old showing to the east and attempted to open the old adit.
- CRW, WSC & SDT
- July 19 - We all returned to the area of the old adit, where I was working yesterday.
- Prospected for and located granite contact to the north.
  - Took additional samples from the trenched quartz veins in the area.
  - CRW, WSC & SDT
- July 20 - Closed up camp and returned to Whitehorse via Action Aviation.

JOB

Baswell River Area

DATE

July 6th

PAGE

Sturges to Baswell river  
 air strip prepared camp  
 for 2 weeks. (approx) of work  
 started to rain 11 AM went  
 over notes and mapping for the  
 area for the next day.  
 water meters for this town  
 of year are higher than  
 normal because of the late  
 spring melt.

Baswell River Area.

July 7 1996

headed up red mountain  
 creek prospecting areas  
 along the creek checking  
 out crop and water gravel  
 located the truck we  
 had abandoned in June and  
 returned to camp finished  
 at 1000 P.M.

PARTY CHIEF

C. Wilcox

WEATHER

Overcast



JOB

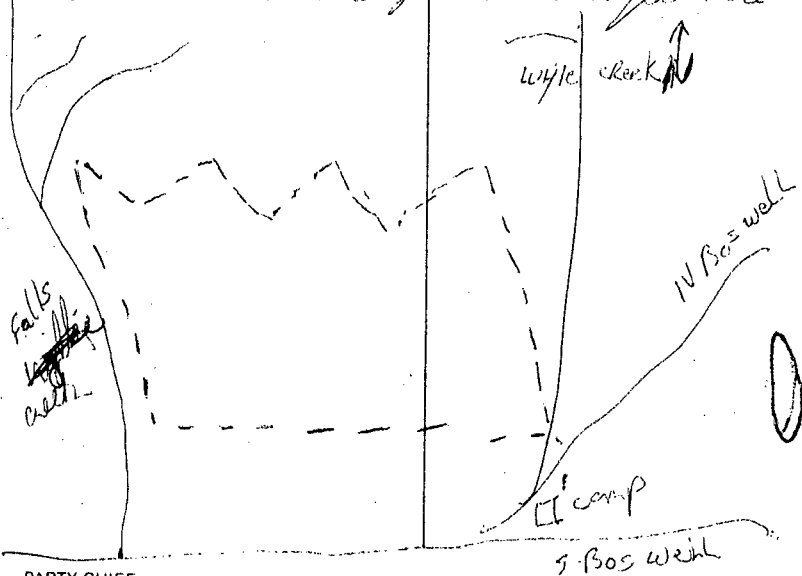
Baswell River Area

DATE

July 8th 1996

PAGE

ran a traverse from camp ~~to~~ down  
 baswell river on the southern side  
 of the mountain pass to falls creek  
 then north on falls creek east into  
 a depressed area then east back  
 towards camp a distance of approx  
 seven miles. outcrop in the area  
 consisted of quartzite with  
 granofelsite a vein through investigation  
 of the area is justified as this  
 could be a large mineralized area.



PARTY CHIEF

WEATHER



JOB

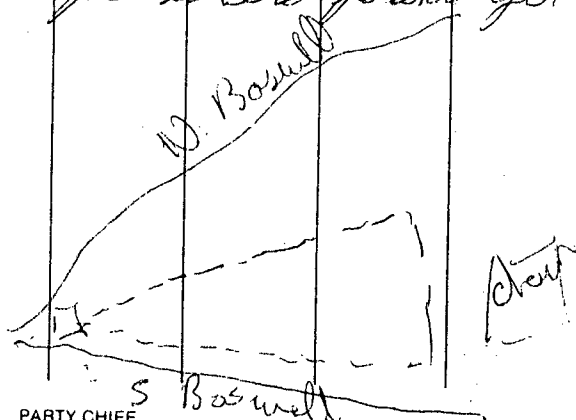
Baswell

DATE

July 9, 1996

PAGE

Kaycey traversed north on the south fork of the prosopon river to the west of the dam group of claims. then north up the hill to a camp 4000'. then south to a camp, a distance of 8 ~~mi~~ miles outcrop in the area consisted of flood red quartz veins. the veins were everywhere from 1" wide to several feet. other outcrop in the camp, where greenstone and diorite. the diorite is reported to carry galena but no outcrops were found yet



PARTY CHIEF

S Baswell

WEATHER

Rain cool

NW  
waco

JOB

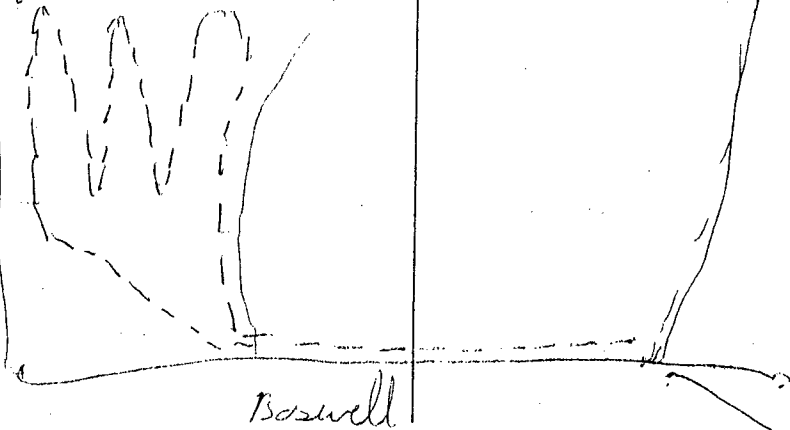
Baswell

DATE

July 11, 1996

PAGE

Did a traverse west of the first creek west of Swaley creek north to tree line then west in a zigzag fashion towards Pallas creek then south and returned to camp. mineralization in the area consisted of quartzite with red staining detrital calcite, sheet all bedded on the same angle as previous section to the east and west

faded  
creek

PARTY CHIEF

Baswell

WEATHER

Sunny warm

NW  
waco

JOB Baswell River  
DATE July 12 1996 PAGE

Scavenged west of camp towards  
Cherry claims found galena  
floury ore. ~~It~~ followed  
up hill until quartz veins  
were encountered. The vein  
was 7' wide white with a red,  
orange staining to the surface  
within the quartz. A small  
outcrop of the material was  
sampled and had very good  
showings of galena. Other  
parts of the vein were  
highly sulfidized but showed  
no mineralization. Will  
start trench work for  
one of these new outcrops  
will show ~~whether~~ if  
mineralization improves  
at depth all of new  
outcrop 4200'. Other  
veins in the area are  
outcropping at the same  
altitude.

W  
wade

PARTY CHIEF

C. Wilber

WEATHER

20°C Sunny

JOB Baswell River  
DATE July 13 1996 PAGE

Started trenching team to  
work, work proceeded as planned  
further prospecting along this  
some altitude has produced  
several at new outcrops of quartz  
veins. If the first trench proves  
successful others will be tested  
also.

Trenching above the outcrop  
has shown no mineralization  
so trenching below outcrop  
may prove more productive.  
Some of the other minerals  
encountered were sphalerite?  
could have been, at first very  
hard to break. granite  
boulders (from above) granitic  
center at about 4500'. The  
quartzite seen appears to be  
conspicuous. work is  
starting to progress well.

PARTY CHIEF

18° Sunny

WEATHER

W  
wade

JOB

Barnwell River

DATE

July 14

PAGE

Started trenching stream to trench below the river. I started to prospect further to the west outlining more quartz veins.

Lower down on the quartz vein galena is starting to appear in mass. They are not in the fracture zones but in the quartz body. There does not seem to be any (or very little) mineralization on the hill rocks on either side of the river.

Significant galena samples have been taken and will be sent for assay.



PARTY CHIEF

WEATHER

JOB

Barnwell River

DATE

July 25 1946

PAGE

Started trench work, were an old adit was found opening ~~up~~ July 14 prospecting. The adit is sluffed in, but there is minor exposure about 250' above. There is also a cabin located in this area that has not been noted on any other mapping. 400 galena was found in the quartz vein outcrop about 100 ft below where the river was first exposed. The river appears highly mineralized and gets larger with depth. The galena appears to also contain traces of gold (visible) in the quartz. Due to an encounter with a grizzly bear work was suspended in this area for the rest of the day.

PARTY CHIEF

C. WILSON

WEATHER

Rain 15°C



JOB

Baswell river

DATE

July 16

PAGE

Started prospecting west of  
Wylie creek to see if men get  
crops hold the galena in the  
same way it does to the  
east.

- several veins were tested  
all did not seem to have  
the same mineralized structure  
that the main one to the  
east has.

- note veins east of the  
camp were very close to  
granite contact and all running  
north south. veins by lot  
of camp trended north  
south also east-west and  
further away from granite.



PARTY CHIEF

C. WILSON

WEATHER

Warm cloudy

JOB

Baswell River

DATE

July 17

PAGE

Prospecting continued in the  
Wylie system west of Wylie  
creek. a cabin was located  
from years back. there was  
no mention of this in the old  
reports of placer or quartz  
mining.

- located the spot of  
and noted that they were  
a quartz, calcite (halimite?)  
vein approx E-W. the  
cabin was located in very  
porphyry. the galena seems  
very fine perm. outcrop up  
above galena is dull gray  
and formed in lumps the  
size of your closed fist or  
smaller. samples taken  
96R-102-01

PARTY CHIEF

C. WILSON

WEATHER

Sunny warm





JOB.....

Bazwell River

DATE.....

July 18

PAGE.....

Wade took Steve Proyer  
over to the site area  
west of mybe creek.

I went to the site  
in order to try and  
re-examine the old  
essay results from years  
ago.

It appears to be about  
a week's work to clear  
the site so this work  
will have to be delayed  
until a future date.



PARTY CHIEF.....

C. Wilson

WEATHER.....

18°C

JOB.....

July 19

DATE.....

Bazwell River

PAGE.....

took Steve Proyer  
to the test pits to  
the east of camp where  
samples were taken by Steve  
and an inspection of the  
general geology of the  
overlying area.

PARTY CHIEF.....

C. Wilson

WEATHER.....

19°C



JOB.....

July 20 Roswell River

DATE.....

PAGE.....

Summary -

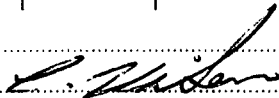
The vein structure in the area all appears to trend north west with the dip of veins between  $60^{\circ}$ ,  $80^{\circ}$  of bedding, shearing and faulting, there is also a small outcrop of ~~potentially~~ gold-bearing ~~at the~~ but this is not consistent so no conclusions can be made. This belt of mineralization seems to trend of about 6-7 miles east west and from granite contact north to the Roswell basin.

This deposit seems similar to a typical type deposit would of rock samples sent out for assay before any further conclusions could be made.



PARTY CHIEF.....

WEATHER.....



JOB. BOSWELL RIVER  
DATE JULY 8/96 PAGE 01

RAIN TRAVERSE TO FALLS CK.  
CLIMBED TO 5,000' INVEST  
IGATED DEPRESSED AREA. FOUND  
RUSTY MUD & WATER IN SWAMP.

TOOK SAMPLE 96R-200 FROM  
OUTCROP. SAMPLE APPEARS TO  
CONTAIN QUARTZ, SCHIST, SULFI  
DE MINERALIZATION, INCLUDING  
GALENA. NOTED LOCATION ON  
MAP. SURROUNDING APPEARED  
GOSSAMOUS.

DESCENDED TO TRAIL. RETU  
RNED TO CAMP BY 10:PM.

PARTY CHIEF

C. WILSON

WEATHER

WARM



JOB. B. RIVER  
DATE JULY 9/96 PAGE 02

PROSPECTED SOUTH FORK OF  
BOSWELL ABOVE CHAMM BLCK.

ENCOUNTERED GRANITE ON  
CREEK WHICH CUTS THRU #  
8  
GRANITE CONTACTS THE META  
SEDIMENTS ON EAST SIDE OF  
CREEK.

METASIEDS STRIKE SOUTH EAST  
ACROSS BOSWELL RIVER IN THE  
DIRECTION OF SIDNEY CREEK

PROSPECTED WEST ALONG B.  
RIVER, ENCOUNTERED FLOAT  
ON #16 SIMILAR TO THAT  
FIRST ENCOUNTERED AT I. C.

BEDROCK OUTCROP THRU #  
14 IS GREENSTONIE & Banded  
CLONIC SCHIST WITH SOME PYRITE  
ALMOST IDENTICAL TO I. C.

PARTY CHIEF

C. WILSON

WEATHER

RAIN - COOL



JOB..... B RIVER  
DATE..... JULY 9/1966..... PAGE 03

DOLOMITE VEINS ARE  
BEDDED IN THE CLONITIC  
SCHIST AT THE 3500' LEVEL  
OF CLAIM #14

QUARTZ VEINS ARE PLENTIFUL  
IN SERPENTINE SCHIST ALONG THE  
EDGE OF THE RIVER. THIS  
QUARTZ THROWS SPARKS WHEN  
STRUCK & SMELLS OF SULFUR

RETURNED TO CAMP 10:PM.

PARTY CHIEF..... C. WILSON  
WEATHER..... RAIN - COOL



JOB..... B RIVER  
DATE..... JULY 11/1966..... PAGE 4

PROSPECTED BASELINE OF STAR  
CLAIMS 8: TO 1

SERPENTINE SCHIST & QUARTZ  
VEINS INTERBEDDED WITH  
DOLOMITE ENCOUNTERED  
FROM POST #1 OF STAR 5 &  
6 TO 1/2 WAY THRU STAR 3 &  
4. THIS BEDDING STRIKES  
S.S.E. & DIPS 80°

A SCHISTOSE GREENSTONE  
JOINS THE FORMER WITH THE  
SAME STRIKE & DIP UNTIL  
LOST IN DIRT CONTACT 1/2  
WAY TO POST #1 STAR 1 & 2

ALL UNITS APPEAR UNMINERAL  
IZED HOWEVER QUARTZ VEINS  
NEXT TO DOLOMITE SMELL OF  
SULFUR WHEN BROKEN.

PARTY CHIEF..... C. WILSON  
WEATHER..... CLEAR - WARM



JOB..... BOSWELL RIVER.....

DATE..... JULY 11, 1966..... PAGE..... 5.....

PROSPECTED EAST TO WYLERIE  
CREEK. CROSSED OUTCROP OF  
SERICITIC SCHIST 500' ABOVE  
CREEK LEVEL.

PROSPECTED UPHILL ON BEAR  
ING OF  $284^{\circ}$  TOOK SAMPLE  
#96R-201 AT ELEVATION OF  
4,200'.

SAMPLE IS GRAY QUARTZ VEIN  
IN A GREEN SCHIST. THE QUARTZ  
CONTAINS SULFIDE MINERALIZATION

CONTINUED PROSPECTING, ENCOUN-  
TERED MASSIVE DOLOMITE OUT-  
CROP. THIS IS BEDDED WITH A  
GRAY PORPHYRIC ROCK. OUTCROP  
STRIKES NORTH WEST & DIPS  $90^{\circ}$ .  
WIDTH IS IN EXCESS OF 50' &  
LENGTH IS UNDETERMINED BEYOND  
200'. SAMPLE #96R-202 OF  
DOLOMITE TAKEN HERE.



PARTY CHIEF.....

WEATHER.....

C. Wilson

WARM - SCATTERED  
CLOUD

JOB..... BOSWELL RIVER.....

DATE..... JULY 12, 1966..... PAGE..... 6.....

RAN A TRAVERSE TO EAST  
FROM CAMP TO CHAM BLOCK  
OR CLAIMS. ENCOUNTERED  
QUARTZ VEINS STRIKING NORTH  
IN DIRECTION OF GRANITE  
CONTACT. THIS VEIN WAS RED,  
YELLOW & ORANGE AS WELL AS  
WHITE IN COLOR & CONTAINED  
WELL FORMED GALENA.

THE VEIN IS 7' WIDE AT EXPOS-  
URE & WAS FIRST ENCOUNTERED  
AT 4,200', 200' WEST OF CHAM  
CLAIM BLOCK. THE VEIN  
WAS FOLLOWED UP HILL FOR  
40' BEFORE LOST UNDER DIRT  
WILL TRENCH TOMORROW. CLAYTON  
TOOK A WHOLE ROCK SAMPLE OF  
QUARTZ VEIN. I TOOK SAMPLE #  
96R-203 FROM CENTRE LINE  
OF CHAM #9 & 10 800' FROM  
POST #1 - PYREXILIZED GREENSTONE.

PARTY CHIEF.....

WEATHER.....

C. Wilson

WARM



JOB. ~~July 13~~ B. RIVER

DATE. July 13/96 PAGE 7

STARTED TRENCH 40' ABOVE  
VEIN CONTACT AT END OF  
DAY TRENCH WAS 15' LONG  
BY 3' DEEP BY 6' WIDE.  
THE VEIN CONTINUES UP HILL  
BUT IS PINCHING OUT. THE  
VEIN IS 2' WIDE AT THIS POINT

PROSPECTED UP HILL, GRANITE  
CONTACT REACHED AT 4,300'  
WILL CONTINUE TRENCHING  
LOWER DOWN TOMORROW

PARTY CHIEF

WEATHER

C. WILSON

SUNNY - WARM



JOB. ~~July 14~~ B. RIVER

DATE. July 14/96 PAGE 8

STARTED TRENCHING LOWER  
PORTION OF QUARTZ VEIN.

BY DAY'S END HAD TRENCHED  
& EXPOSED 10 FEET MORE DOWN  
HILL EXPOSITION. VEIN IS 8' OR  
MORE WIDE & CONTINUES UNDER  
THE DIKT. GALENA IS ABUNDANT  
SAMPLE #96R-20A TAKEN.

PROSPECTED TO EAST ONTO CLAIM  
#9 CLAIM FOUND 7' WIDE  
QUARTZ VEIN 100' INSIDE CLAIM  
LINE AT 4,150' ELEVATION.  
THIS VEIN IS NEARLY IDENTICAL TO  
THE FIRST ONE FOUND. GALENA  
WAS FOUND ON SEVERAL SPOTS  
OUTCROPPING OVER 100' OF STRIKE  
SAME AS PREVIOUSLY. THIS VEIN  
PINCHES UP HILL & WIDENS  
DOWN. THESE VEINS ARE WEATH-  
ERED & FRACTURED TO A DEPTH OF 1'

PARTY CHIEF

WEATHER

C. WILSON

OVERCAST & RAIN



JOB.....

B. RIVER

DATE.....

July 14/96

PAGE.....

9

500' EAST OF 1ST VEIN ON  
CHAMA #9 AT 4200' SAMPLE  
# 96R-205 TAKEN FROM MASSIVE  
OUTCROP OF KIMONITICALLY STAINED  
BLACK ROCK - SUSPECTED TO BE  
SPhALENITE.

THIS OUTCROP IS EXPOSED TO A  
WIDTH OF 200' OR MORE & STRIKES  
NORTH WEST. THE DIP IS 90°.

THE OUTCROP IS COMPLETELY EXPOSED  
TO GRANITE CONTACT ABOVE.

THERE IS NO VEGETATION ON THIS  
ROCK UNIT, OTHER THAN THE RED &  
WHITE STAINING. THIS ROCK IS VIRTUALLY  
UNWEATHERED, VERY DENSE & HARD TO  
BREAK.

ONE HUNDRED FEET BELOW THIS  
UNIT A QUANTZ VEIN IN EXCESS  
OF 16' WIDTH. OUTCROPS OVER A  
STRIKE LENGTH OF 200'. GALENA  
IS ABUNDANT. SAMPLE #96R-206  
TAKEN HERE.

PARTY CHIEF.....

C. WILSON

WEATHER.....

OUBCAST - RAIN



JOB.....

B. RIVER

DATE.....

July 15/96

PAGE.....

10

TRAVERSED EAST ON B. RIVER  
TO GRANITE CONTACT WHERE  
CLAYTON HAD FOUND COLLAPSED  
ADIT YESTERDAY.

I SAMPLED A TEST PIT ON A  
10' QUANTZ VEIN 50' ABOVE &  
EAST OF THE ADIT. SAMPLE  
# 96R-207 WAS TAKEN FROM THE  
WALLROCK AREA OF VEIN.

THIS VEIN IS THE CLOSEST  
ENCOUNTERED TO THE GRANITE.  
MINERALIZATION IS GALENA, PYRITE,  
CALCOPYRITE & GOLD IN A BLACK &  
RUSTY OXIDIZED QUANTZ MATRIX.

AN ENCOUNTER WITH A LARGE  
GRIZZLY BEAR FORCED US TO LEAVE  
THE AREA.

I SAW THREE TEST PITS ABOVE THE  
OLD ADIT SITE. 3,900' ELEVATION

PARTY CHIEF.....

C. WILSON

WEATHER.....

RAIN - COOL



JOB... BOSWELL RIVER  
DATE... JULY 16 1966... PAGE... 11

I PROSPECTED UP FALLS CREEK  
4 MILES FROM BOSWELL RIVER.

PANNED SEVERAL GRAVEL BARS  
ABOVE THE CANYON & GOT SOME  
COARSE & FINE BLACK SANDS FROM  
SURFACE. ALSO PICKED UP A PIECE  
OF PYRITIZED GREEN SCHIST ON ONE  
OF THE GRAVEL BARS.

TRAVERSED EAST TOWARD STAN GROUP  
OF CLAIMS UNTIL WE REACHED  
THE 4500' ELEVATION MARK.

CHANGED DIRECTION TO SOUTHWEST  
TO SAMPLE WALL ROCK OF DEPRESS  
ED AREA CLAYTON & I FOUND ON  
A PREVIOUS TRIP TO THIS CREEK.

SAMPLE # 96R-208 TAKEN FROM  
QUARTZ VEIN IN FOLDED GREY MICASIO  
US SCHIST AT 4,200' LEVEL.  
SAMPLE CONTAINS BLACK & SILVER.



PARTY CHIEF

C. WILSON  
WEATHER... WARM SCATTERED CLOUD

JOB... B. RIVER  
DATE... JULY 16 1966... PAGE... 12

### METALIC MINERALIZATION

SAMPLE # 96R-209 TAKEN FROM  
QUARTZ VEIN ON BLEB IN FOLDED  
GREY SCHIST AT 4100' ELEVATION  
SIMILAR TO PREVIOUS SAMPLE.

CROSSED DEPRESSSED BOGGY GROUND  
& CLIMBED TO TOP OF WHAT  
APPEARS TO BE A QUARTZ &  
FOLDED SCHISTOSE PLUG. THE  
QUARTZ IS IN BLEBS & STRINGERS  
BETWEEN THE FOLDS. SAMPLE  
# 96R-210 TAKEN FROM TOP  
OF PLUG. THIS IS A BLEB OF  
QUARTZ WHICH CONTAINS OXIDIZED  
SULFIDES & GALENA.

PARTY CHIEF

C. WILSON  
WEATHER... WARM SCATTERED CLOUD





JOB. Bozwell River  
DATE July 17/196 PAGE 13

PROSPECTED UP 1ST CREEK WEST OF WYLIE CREEK UNTIL WE CONTACTED THE DOLOMITE OUTCROP. FOUND THE STARTING POINT OF AN ADIT RECORDED TO BY E.S. LEES IN 1936. THE ADIT WAS DRIVEN INTO THE LOWEST POINT ON THE WEST SIDE OF THE DOLOMITE OUTCROP. THE MINERALS WENT IN 6' BEFORE ABANDONING IT. SAMPLE # 96R-211 WAS TAKEN INSIDE THE ADIT. THIS SAMPLE IS GALENA & QUARTZ THAT FORMED IN VUGS IN THE DOLOMITE ON THE EAST END OF THE OUTCROP. WE SAMPLED THREE TRENCHES

SAMPLE # 96R-212 IS GALENA & QUARTZ AS WELL AS INDIVIDUAL BLENDS OF GALENA THAT FORMED



PARTY CHIEF

WEATHER

C. Wilson

HOT - DAMN HOT

JOB. B. River  
DATE July 17/196 PAGE 14

IN THE DOLOMITE, THAT HAVE A CHALK LIKE COATING

CLAYTON FOUND THE DECAYING CABIN THE OLD MINERS USED, ON THE CREEK BELOW THE OUTCROP.

CLAYTON TOOK A SAMPLE OF THE DOLOMITE INSIDE THE ADIT NEXT TO THE QUARTZ VUG.

PARTY CHIEF

WEATHER

C. Wilson

HOT & DRY



JOB..... BOSWELL RIVER.....  
DATE..... July 18/1966..... PAGE..... 15.....

PROSPECTED THE DOLOMITE  
LENS WITH STEVE.

FROM THE HIGHS WE SAW  
EXPRESSIONS TO THE EAST OF  
WYLIE CREEK THAT APPEARED TO  
BE VERTICAL QUARTZ VEIN OR  
DOLOMITE.

WE PROSPECTED EAST OF WYLIE  
CREEK ALONG THE NORTH FORK  
OF BOSWELL RIVER.

BEDROCK EXPOSURES ENCOUNTERED  
WERE GREENSTONE INTERBEDDED WITH  
CLONITIC SCHIST. ALL UNITS ARE  
MINERALIZED.

PARTY CHIEF..... C. WILSON.....  
WEATHER..... WARM.....



JOB..... B. RIVER.....  
DATE..... July 19/1966..... PAGE..... 16.....

PROSPECTED THE QUARTZ VEINING  
ABOVE THE OLD CABINS ON  
THE SOUTH FORK OF B. RIVER

I DID TRENCHING ON THE  
VEIN NEAR GRANITE CONTACT  
200 FEET ABOVE THE CABINS.

THE VEIN WAS VERTICAL & 12 FEET  
WIDE. THE QUARTZ APPEARS TO  
BE 5 TO 10% MINERALIZED WITH  
GALENA.

WALL ROCK ON THE EAST IS  
GRANITE. ON THE WEST SIDE OF  
THE VEIN THE WALL ROCK IS A  
PYLITIZED GREENSTONE WHICH IS  
GRADING INTO MICACIOUS SCHIST.

THIS VEIN LIKE OTHERS IS WIDIE  
AT DEPTH & NARROWS AS IT  
GAINS ELEVATION.

PARTY CHIEF..... C. WILSON.....  
WEATHER..... WARM.....



JOB.....

Boxwell River

DATE.....

July 18 1966

PAGE.....

Arrived in camp at 8:30am  
 Reviewed work to date  
 with Wade & Clayton.  
 Prospected North and  
 West of camp. Investigated  
 old trenches in dolomite  
 and prospected back  
 east to try to pick  
 up additional lenses of  
 dolomite. Identified  
 a number of areas


 NW  
 wade

PARTY CHIEF.....

WEATHER.....

JOB.....

DATE.....

PAGE.....

at elevation east of  
 Wylie creek that will  
 probably need trenching  
 From our investigation  
 it would appear that  
 that quartz veining  
 known to carry mineralization  
 in the area has intruded  
 along the less resistive pathways  
 created by the dolomite lenses.  
 The dolomite lenses appear  
 to have acted as a reservoir  
 for the mineral rich  
 fluids.

PARTY CHIEF.....

WEATHER.....


 NW  
 wade

JOB.....

DATE

July 19 1966

PAGE.....

Prospected east from  
camp to area of old  
showing and adit.

Obtained numerous samples  
well mineralized with galena.  
Observations throughout the  
day indicate that the  
veins become wider with  
depth and also are  
more heavily mineralized.

Identified area of



PARTY CHIEF.....

WEATHER.....

JOB.....

DATE.....

PAGE.....

granite contact and  
traced it back to  
the Boswell River.

PARTY CHIEF.....

WEATHER.....



JOB IRON CREEK  
DATE JUNE 14/96 PAGE 01

7:AM LEFT TOWN  
9:PM MADE CAMP  
INVESTIGATED WATER FALL AT  
BOTTOM OF IRON CREEK  $\frac{1}{2}$   
MILE ABOVE SIDNEY CREEK  
ROCK APPEARS TO BE FINELY  
BEDDED SLIST & QUARTZITE CONT  
AINING PYRITE, CALCOPHYTE & BONNITE  
IN THE SLIST & QUARTZITE ON THE  
EDGE OF QUARTZ STAINERS &  
VEINLETS. THE BEDDING IS  
COMPRISED OF UNITS OF  
PYRITIZED ALBITE SLIST IN CONTACT WITH  
QUARTZ & QUARTZITE, FINELY BEDDED  
PYRITIZED SHALE WITH QUARTZ VEINLETS,  
SERPENTINIZED GREEN STONE, GRA  
NITE COBBLES & SULFIDE GOSSAN ON  
EXPOSED SURFACES.

PARTY CHIEF CLAYTON WILSON  
WEATHER SUNNY & WARM



JOB IRON CREEK  
DATE JUNE 15, 1996 PAGE 02

7:AM CONTACT OF MINERALIZED  
ZONE STARTED FIFTY FEET  
BELOW WATER FALL BEDDING  
STRIKES ACROSS THE CREEK IN  
A NORTH NORTH WESTERLY DIRECTION  
WITH A DIP OF 60°. UNITS  
OF BEDDING RANGE FROM SEVERAL  
INCHES IN WIDTH TO FIFTY  
FEET OR MORE IN WIDTH.  
MINERALIZATION OCCURS IN ALL THE  
UNITS EXCEPT THE HARDEN QUA  
RTZ VEINS WHICH FOLLOW THE  
STRIKE DIRECTION. LARGE CALCO  
PYRITIC CRYSTALS OCCUR IN A  
LAYER OF GREEN SILT STONE  
BETWEEN TWO UNITS OF GREEN  
MUDSTONE & QUARTZITE. SAMPLE  
# 96R-005-02 TAKEN FIFTY  
YARDS ABOVE WATER FALL.  
MINERALIZED QUARTZITE SAMPLE #  
96R-006-02 TAKEN AT THE  
TOP OF WATER FALL.

PARTY CHIEF CLAYTON WILSON  
WEATHER CLOUDY & RAIN - COOL



WISC's Notes (Clayton Wilson)

JOB IRON CREEK

DATE JUNE 15, 1966 PAGE 03

SAMPLE OF FINELY BEDDED  
BLACK SHALE CONTAINING  
SILICA METALIC MINERALIZATION  
BETWEEN THE LAYERS ~~FR-008~~ 02  
WAS TAKEN ABOVE THE  
WATERFALL ADJACENT TO THE  
QUARTZITE SAMPLE. THE  
MINERALIZED SHALE SEEMS  
TO BE THE LARGEST &  
MOST COMMON OF THE UNITS  
IN THE BEDDING. SOME OF  
THE SHALE UNITS EXCEED  
100 FEET IN WIDTH. WE  
FOLLOWED THE CREEK UPSTREAM  
THE MINERALIZED UNITS WERE  
EXPOSED FOR A WIDTH OF  
JUST OVER 6,000 FEET. GRAB  
SAMPLES WILL BE ASSAYED. THIS  
MINERALIZED ZONE COINCIDES  
WITH A AREA MAGNETIC ANOMOLY  
8. CLAIMS WERE STAKED  
WITH THE CREEK AS A  
CENTRE LINE 4 LEFT, 4 RIGHT

PARTY CHIEF

WEATHER

C. WILSON

CLOUDY - COOL

JOB IRON CREEK

DATE JUNE 15, 1966 PAGE 04

ON A HEADING OF  $355^{\circ}$   
NORTH, STARTING AT A  
POINT 1,550 FEET SOUTH  
OF THE ACCESS ROAD AT  
THE IRON CREEK CROSSING.

JUNE 16/96 CUT &  
FLAGGED CENTRE LINE  
OF CLAIMS. LEFT CAMP  
FOR WHITEHORSE 4: PM

396 KILOMETERS ROUND  
TRIP.

W. Cowell

PARTY CHIEF

WEATHER

C. WILSON

CLEAR & WARM



JOB..... IRON CREEK  
DATE..... JUNE 20/96 PAGE 01

FILLED IN BOZO CLAIM  
BLOCK TO EAST COVERING  
MAG HIGH DOWN STRIKE.  
24 CLAIMS IN BLOCK.  
FOUND MINERALIZED FLOAT  
IN CREEKS RUNNING SOUTH  
INTO SIDNEY CREEK. NO  
OUTCROP USABLE. PLOTTED  
CENTRE LINES FOR BIG TOP  
CLAIM BLOCK ON WEST  
SIDE OF STRIKE EXPOSURE  
ON IRON CREEK.



PARTY CHIEF.....

WEATHER.....

C. WILSON  
HOT - CLEAR

JOB..... IRON CREEK  
DATE..... JUNE 21/96 PAGE 02

I STARTED STAKING THE BIG  
TOP  
1 TO 12 BLOCK, CLAYTON  
STARTED THE 13 TO 22  
BLOCK. EACH GOT 3  
DOUBLE CLAIMS IN. RUNNING  
OUT OF STRING & FLAGGING.  
RAN INTO TOWN TO  
RESUPPLY RETURNED  
TO CAMP BY MIDNIGHT.  
396 KM.  
PYRITIZED SCHIST WITH QUARTZ  
STRINGERS OUTCROP ON A RIDGE  
HALF WAY UP BIG TOP 3 & 4.  
DEPRESSED SWAMPY GROUND  
ABOVE RIDGE.

PARTY CHIEF.....

WEATHER.....

C. WILSON  
HOT - CLEAR



JOB..... F.R.O.M. CREEK.....  
DATE..... JUNE 22/96..... PAGE 03.....

Low SWAMPY ground from 3/4  
of 3 & 4 to RIDGE JUST  
BELOW #2 POST OF 5 & 6.  
BIG TOP 7 & 8 COVER RISING GROUND  
9 & 10 START ON ANOTHER RIDGE  
WHICH IS CUT BY A SECOND  
SWAMPY DEPRESSION. THE NORTH  
EDGE OF THIS IS SHEERED  
UP & VERY GOSSANOUS. TOOK  
PICTURES OF GOSSANS & DEPRESS  
ED AREA FROM OPEN MEADOW  
ON 11 & 12 WHICH ENDED  
JUST BELOW THE TOP OF THE  
HILL TOOK A SAMPLE OF  
CALCITE? OUTCROP BESIDE #1  
POST 11 & 12. SAMPLE # 96R-  
009-02  
AFTER STAKING BIG TOP 11 & 12  
RETURNED TO CAMP

SAMPLE # 96F-008-02 TAKEN  
FIRST WATERFALL NEAR ROAD



PARTY CHIEF.....

C. WILSON

WEATHER.....

HOT - SCATTERED CLOUD

JOB..... F.R.O.M. CREEK.....  
DATE..... JUNE 23/96..... PAGE 04.....

CLAYTON WENT TO FINISH  
THING THE BIG TOP CLAIMS  
TO THE BOZO GROUP. I  
BEGAN TO SAMPLE WHOLE  
ROCK FROM THE OUTCROP  
EXPOSED ALONG F.R.O.M. CREEK.

SAMPLE # 96R-009-02 TAKEN  
FROM OUTCROP BELOW #1 POST  
BOZO #5 APPEARS TO BE PYRE  
TIZED CLONITIC SCHIST ZONE  
IS 300 FT WIDE FOLLOWING THE  
STRIKE BOTH SIDES OF CREEK.

SAMPLE # 96R-010-02 TAKEN  
500 FT ABOVE BOZO #5 APPEARS  
TO BE SULPHUR & CALCITE  
CRYSTALIZED ON SCHIST.

SAMPLE # 96R-011-02 MASIVE  
QUARTS VEIN CUTTING BANDRED  
SCHIST; SMELLS OF SULPHUR

PARTY CHIEF.....

C. WILSON

WEATHER.....

WARM - SCATTERED CLOUD





JOB IRON CREEK  
DATE JUNE 23/96 PAGE 05

SAMPLE #96R-012-02 TAKEN  
1,000 FEET UP FROM BOZO #  
5 LOOKS LIKE BANDED SPHALERITE  
QUARTZ, ~~CHALCOPRITE~~ & SCHIST DARK  
RUSTY GOSSAN ABOVE OUTCROP.

SAMPLE #96R-013-02 TAKEN  
POST #1 BOZO #7 SAMPLE HAS  
EQUAL PARTS SPHALERITE, CAL  
COPRYRITE, RED BROWN STAIN  
ON OUTSIDE OF MINERALIZED  
ZONE 40' BELOW YELLOW  
GOSSANIZED - LEACHED SURFACE  
ZONE

SAMPLE #96R-014-02 TAKEN  
250' ABOVE POST #1 BOZO #7  
SAME LOCATION AS IN PREVIOUS  
PICTURES THEREFORE  
HEAVILY MINERALIZED ZONE  
IS AT LEAST 1300' WIDE  
LEFT AREA 5:PM 396KM

PARTY CHIEF C. WILSON  
WEATHER HOT - FEW CLOUDS



JOB IRON CREEK  
DATE JUNE 28/96 PAGE 01

RETURNED TO IRON CREEK,  
SET UP CAMP.

MADE PLANS FOR FOLLOWING  
DAYS EXPLORATION.

I WAS TO RUN TRAVERSES ON  
WEST END OF EXTENSION OF  
MAG HIGH WITH STEVE  
TRAYNOR - GEOLOGIST - WOODER  
KID & CLAY'S SON JAYSON.

CLAYTON WOULD PROSPECT THE  
OLD CANYON CLAIMS IN SEARCH  
OF ELUSIVE TRENCHING.

PARTY CHIEF CLAYTON WILSON  
WEATHER COOL - CLOUDY



JOB..... IRON CREEK  
DATE..... JUNE 29/96 PAGE 02

AT ABOUT 4000', ABOVE SIDNEY CREEK WEST OF IRON CREEK, STEVE JAYSON & I STOPPED & SAMPLED THE OUTCROP SOUTH OF A SUSPECTED KILL ZONE.

STEVE NUMBERED & BAGGED THE SAMPLE WHICH WAS SOME KIND OF TALK & QUARTZ RICH SCHIST.

THE DEPRESSED KILL ZONE WAS ABOUT 100' OR MORE WIDE AT THIS POINT SEPARATED BY A RIDGE OF TALL SCHIST? ON THE SOUTH & A RUSTY GLOSSANOUS GREENSTONE RIDGE ON THE NORTH.

THE DEPRESSED AREA WAS BOGGY WITH STAGNANT POOLS OF WATER & A SCATTERED GROWTH OF STUNTED WILLOWS. THIS ZONE CONTINUED TO WIDEN TO THE EAST.



PARTY CHIEF..... C. WILSON  
WEATHER..... WARM FEW CLOUDS

JOB..... IRON CREEK  
DATE..... JUNE 29/96 PAGE 03

WE CONTINUED UPWARD. AT 4250' WE SAMPLED OUTCROP.

ZONE OF OUTCROP WAS BLACK BANDED SHALE WITH QUARTZ & PYRITE, SPHALERITE?

ENCOUNTERED SPARSY MINERALIZED CLONITIC SCHIST ABOVE BLACK ROCK.

DESCENDED TO EAST ALONG STRIKE.

KILL ZONE WIDENED TO ABOUT 1,500' & HAD LENGTH OF ABOUT 4500'.

STRONG FLOW OF WATER ON EASTERN END OF DEPRESSION, WITH IRON TAST.



PARTY CHIEF..... C. WILSON  
WEATHER..... WARM - FEW CLOUDS

JOB IRON CREEK  
DATE JUNE 30/96 PAGE 04

RAIN TRAVERSE UP SIDNEY  
CREEK TO CHECK AERO MAG  
HIGH DOWN STRIKE TO EAST  
OF IRON CREEK

FOUND BEDROCK OUTCROP ON  
NORTH SIDE OF CREEK ON OLD  
PLACER CLAIM #32884.

BEDROCK WAS "GREENSTONE UNIT"  
SIMILAR TO THAT FOUND IN IRON  
CREEK & APPEARED TO STRIKE IN  
NORTH WESTERNLY DIRECTION.

THE CREEK FLOW CROSSED THE  
VALLEY TO THE SOUTH AWAY  
FROM THE OUTCROP. THE FLOW  
FOLLOWS THE SOUTHERN EXTREM  
ITY AROUND A LOW BOGGY AREA  
FOR A DISTANCE OF 5,000'

THE COBBLES IN THE GRAVEL  
ALONG THE CREEK

PARTY CHIEF

C. WILSON

WEATHER

COOL - RAIN SHOWERS



JOB IRON CREEK  
DATE JUNE 30/96 PAGE 05

ABOVE & IMMEDIATELY BELOW  
THE BEDROCK OUTCROP ARE A  
MIXTURE OF GREENSTONE, QUARTZ,  
SCHIST & GRANITE.

THE GRAVEL AT THE EASTERN  
END OF THE BOGGY AREA  
CONTAIN AN ABUNDANCE OF  
ANGULAR PIECES OF BANDIED  
BLACK PYRITIC ROCK. ONE  
BOULDER OF THIS & TWO OF  
QUARTZ WERE FOUND ON  
PLACER CLAIM #32873

THE CREEK & SEEPAGE FROM  
THE BOGGY AREA INTO SIDNEY  
CREEK WERE BRIGHT RUST IN  
COLOR

SAMPLE #96R-015-02 TAKEN  
FROM "GREENSTONE" OUTCROP ON  
P. CLAIM #32884

PARTY CHIEF

C. WILSON

WEATHER

COOL - RAIN



JOB..... IRON CREEK  
DATE..... JULY 1/196..... PAGE..... 06

WENT UP IRON CREEK TO  
RESAMPLE ROCK UNITS ON  
NORTHERN EXTREMITY OF OUTCROP  
WITH STEVE TRAYNOR

CLAYTON WENT IN SEARCH OF  
UNFOUNDED TRENCHING

LEFT FOR WHITEHORSE LATE  
AFTERNOON 396 KM

JOB.....  
DATE..... PAGE.....

THINGS TO DO ON  
RETURN TO I. C.

RESAMPLE 013 & 014  
FOR PYNETIZED BLACK  
ROCK



PARTY CHIEF.....

WEATHER.....

PARTY CHIEF.....

WEATHER.....







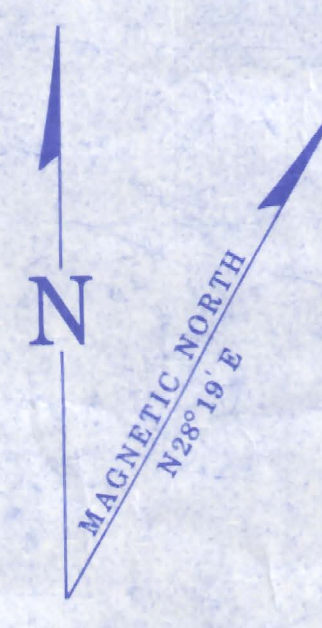
**105C-14**  
**QUARTZ & PLACER**

LATITUDE 60°45' TO 61°00'  
 LONGITUDE 133°00' TO 132°30'

ISSUED UNDER THE AUTHORITY OF THE MINISTER  
 OF  
 INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

SCALE 1:30,000

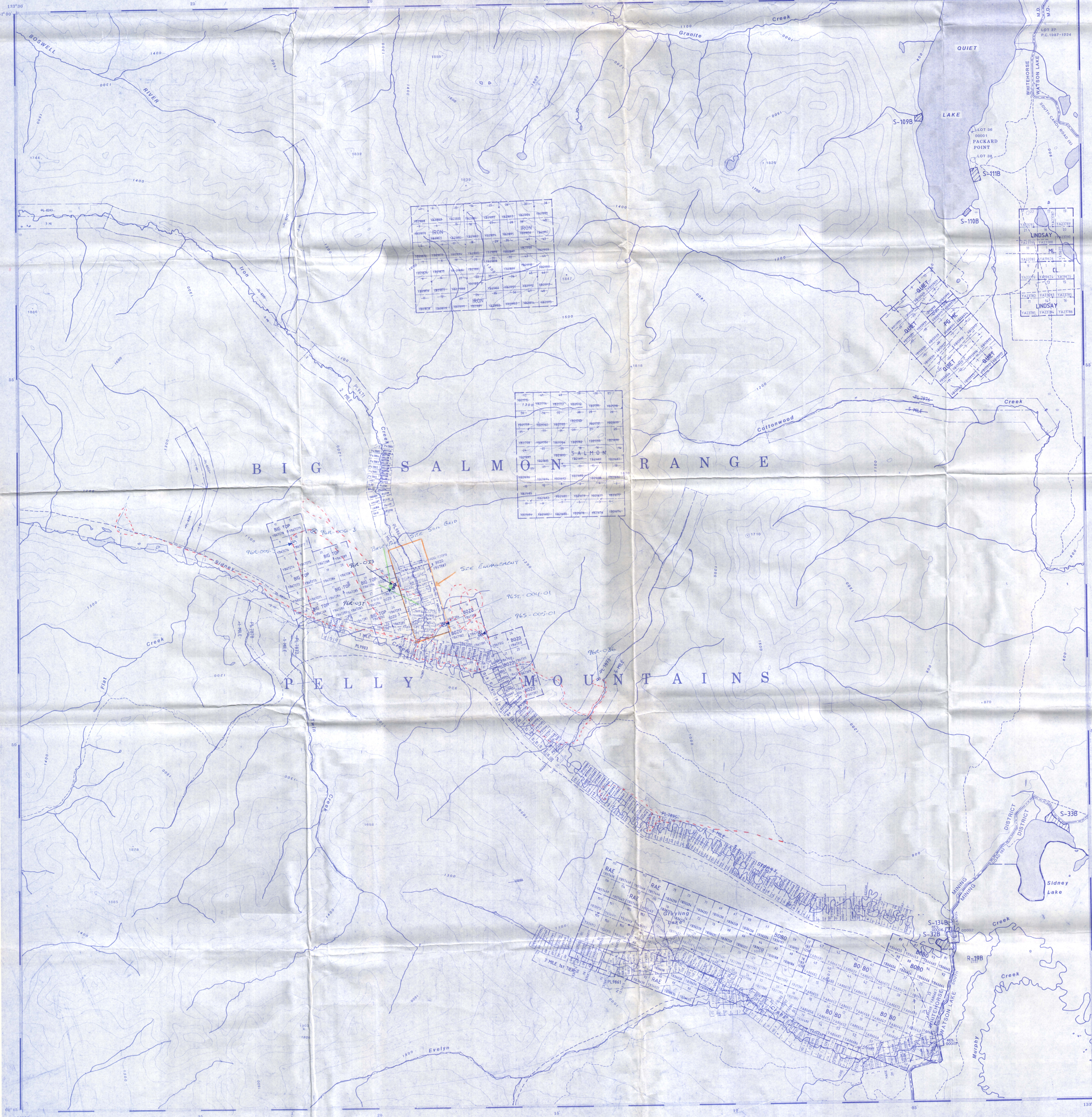
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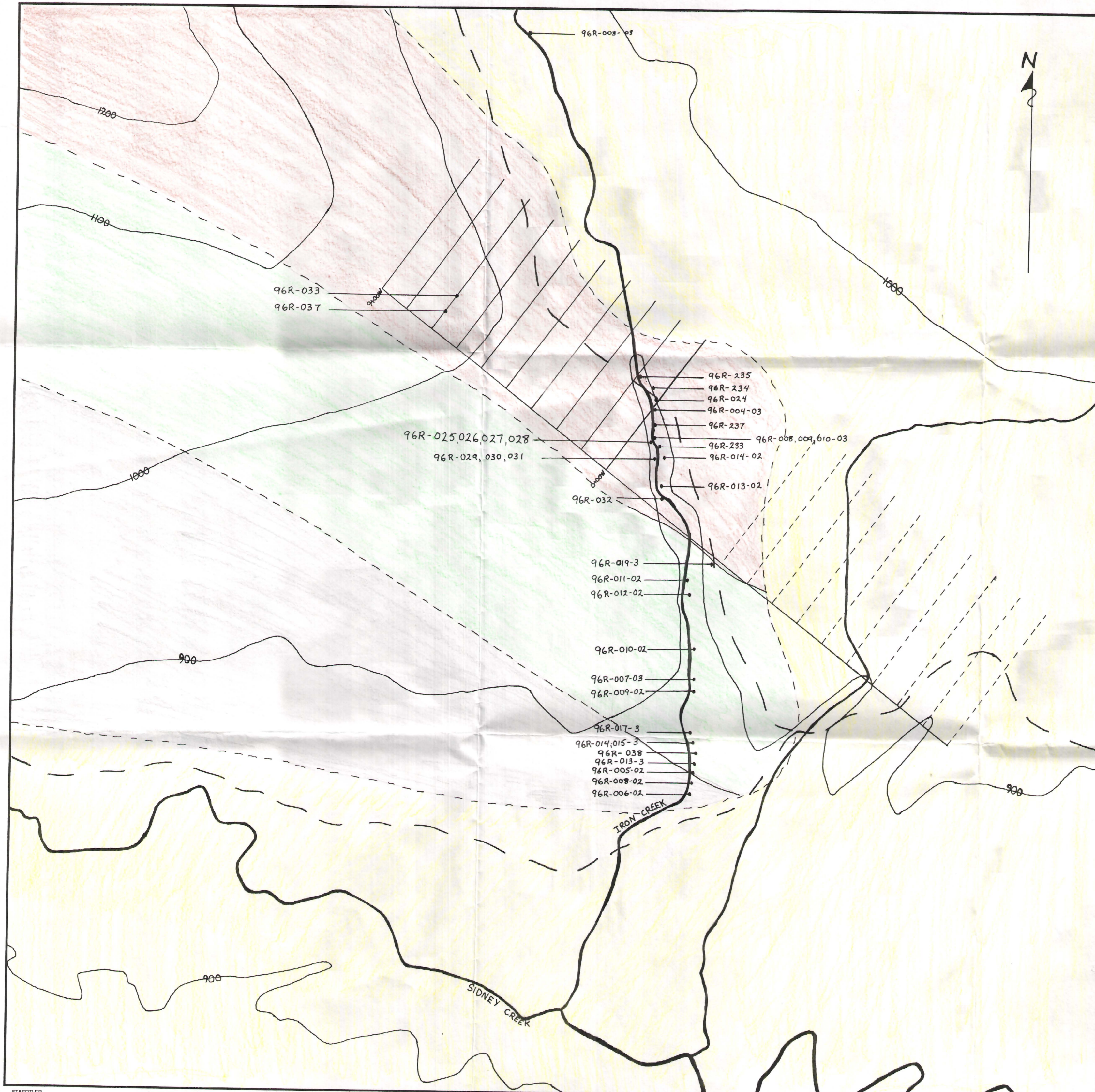
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 TOPOGRAPHY COMPILED FROM 1:50,000 NATIONAL TOPOGRAPHIC SERIES.  
 CONTOUR INTERVAL 100 METRES.  
 SURVEY INFORMATION COMPILED FROM LEGAL SURVEYS, BY DRAFTING SERVICES.  
 Note: Entry on certain lands is withdrawn from staking in cross-hatched areas to facilitate the settlement of Native Land Claims without prejudice to Existing Surface and Subsurface Rights.

105F-4	105F-3	105F-2
105C-13	105C-14	105C-15
105C-12	105C-11	105C-10



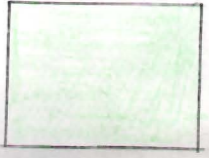


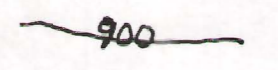
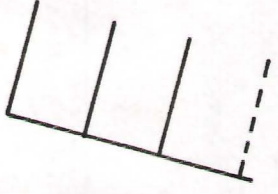


TT = TESLIN TLINGIT COUNCIL

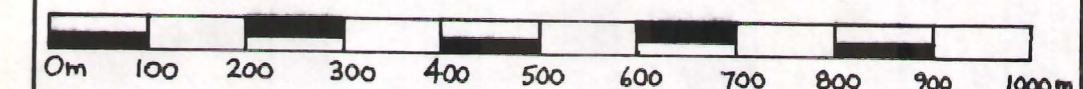


--- TRAVERSES  
 --- IRON CREEK AREA OF ENLARGEMENT  
 --- SOIL GRID BASELINE



# LEGEND

-  Recent alluvium, glacial drift
-  Quartzite, shales
-  Chloritic greenstone, quartz-Chlorite schist and phyllite
-  Argillite, shale and quartzite
-  Tote road
-  Contour (meters)
-  Soil sampling grid
-  Sample location
-  Geological contact; assumed, actual



## GENERAL GEOLOGY AND SAMPLE LOCATION MAP OF THE IRON CREEK AREA

SCALE:	APPROVED BY:	DRAWN BY:
DATE:		
		DRAWING NUMBER



# SHEET 105F-4

LATITUDE 61°00' TO 61°15'  
LONGITUDE 133°30' TO 134°00'

CANADA  
DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES  
NORTHERN ADMINISTRATION AND LANDS BRANCH  
LANDS DIVISION

SCALE: 1/2 MILE TO 1 INCH



ISSUED UNDER THE AUTHORITY OF THE MINISTER  
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INACCURACIES OR OMISSIONS WHATSOEVER.

WHITEHORSE  
27 FEB. 96  
16 Nov. 72  
14 April 56

