

# Yukon Mining Incentives Program

**Project 04-027  
Final Submission**



**Photograph: Looking for Outcrop in the Watson Lake Mining District 95D/10**

**Prospecting, Report and Photography By Dan Wilson**

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YUKON MINING INCENTIVES PROGRAM

FINAL SUBMISSION FORM

**INSTRUCTIONS:** Please read the guidebook before completing form.  
Please type or print.

Submit completed form and summary or Technical Report by January 31 for the Grassroots Prospecting, Grassroots Grubstake, Focused Regional and for the Target Evaluation programs to:

Yukon Mining Incentives program  
Energy, Mines and Resources  
Yukon Government  
2099 - 2<sup>nd</sup> Avenue  
Box 2703, Whitehorse, Yukon, Y1A 2C6

**TO BE COMPLETED AFTER PROJECT COMPLETION AND ACCOMPANIED BY THE SUMMARY OR TECHNICAL REPORT**

Applicant DAN Wilson File Number # 04-027

Proposed project area(s) (NTS map number and project name) completed? Attach list if space is insufficient.

- 1. COAL RIVER NTS 95 D/10 Yes  No
- 2. COAL RIVER NTS 95 D/9 Yes  No
- 3. COAL RIVER NTS 95 D/8 Yes  No
- 4. \_\_\_\_\_ Yes  No

Changes to proposed project(s) (if any).

Please see Page 6.

List other partners or personnel that worked on the project.

N.A.

**I WORK PERFORMED BY APPLICANT**

		No. of days worked by Applicant
1. Project #1 area/name	<u>CLAIM MAP SHEET 95 D/10</u>	
Traditional prospecting	No. of Samples <u>90</u>	} <u>11</u>
Geological surveys	Scale _____	
Geophysical surveys	Type _____	
Geochemical surveys	Type No. of Samples _____	
Drilling	Type _____ Ft.(m.) _____	
Trenching	Method _____	
Other	Type <u>Please see Page 8 for Summary.</u>	
TOTAL		<u>11</u>

2. Project #2 area/name	_____	No. of days worked by Applicant	_____
Traditional prospecting	No. of Samples _____		_____
Geological surveys	Scale _____		_____
Geophysical surveys	Type _____		_____
Geochemical surveys	Type No. of Samples _____		_____
Drilling	Type _____ Ft.(m.) _____		_____
Trenching	Method _____		_____
Other	Type _____		_____
TOTAL			_____

3. Project #3 area/name	<u>Claim Map Sheet 95D</u>	No. of days worked by Applicant	_____
Traditional prospecting	No. of Samples <u>99</u>	}	<u>19</u>
Geological surveys	Scale _____		_____
Geophysical surveys	Type _____		_____
Geochemical surveys	Type No. of Samples _____		_____
Drilling	Type _____ Ft.(m.) _____		_____
Trenching	Method _____		_____
Other	Type <u>Please See page 13</u>		_____
TOTAL			<u>19</u>

4. Project #4 area/name	_____	No. of days worked by Applicant	_____
Traditional prospecting	No. of Samples _____		_____
Geological surveys	Scale _____		_____
Geophysical surveys	Type _____		_____
Geochemical surveys	Type No. of Samples _____		_____
Drilling	Type _____ Ft.(m.) _____		_____
Trenching	Method _____		_____
Other	Type _____		_____
TOTAL			_____



II. SIGNIFICANT RESULTS (please complete)

Project Area	New Showings and/or Anomalies	Commodity	Best Analyses
I	Please see page	19	
III	Please see page	20	

III. CLAIMS STAKED DURING / AFTER ACTIVITY (please complete)

Project Area	Claim Numbers	Number of Claim Units
III	YC25203 to	6
	YC25208	
	(please see map page	18)

IV. OPTION AGREEMENTS RESULTING FROM YMIP PROJECT (please complete)

Optionee	Property/Claim	Dollar Value of Work Component
-		
-		

V. TYPE OF MINERAL EXPLORATION UNDERTAKEN (please check one)

- Preliminary work on claims
- Initial exploration
- Advanced exploration
- Development

VI. VALUE OF GOODS AND SERVICES PURCHASED (estimate, please complete)

Within the Yukon \$ 4500

Outside the Yukon \$ 4000

VII. RESULTS OF MINERAL EXPLORATION (please complete)

- The discovery of a new prospect.
- The identification of a prospect warranting further exploration.
- The identification of an economic mineral deposit.
- The identification of a deposit that cannot support production.

## VIII. SUMMARY OF EXPENDITURES

1. Daily Living Expense  
No. of days x YG rate/person, per day  $30 \times 35.00$  \$ 1050
2. Travel (state method: road, air, etc.)  
Truck - total km x YG rate/km  $84 \text{ km} \times 0.485/\text{km}$  \$ 40.74  
Air \$ 3107.84  
Other \$
3. Analyses/Assay Costs (specify sample type and price/assay)  
 $39 \text{ ROCK @ } 19.25$   
 $13 \text{ Silt \& Soil @ } 15.60 \text{ (+ TAXES)}$  \$ 1120.45
4. Equipment Rentals/Supplies  
Self owned G.P.S \$ 30.00  
Self owned SATellite Phone \$ 62.50
5. Contractors (state name and type of work)  
\$  
\$
6. Line Cutting  
No. of km x price/km \$
7. Geochemical Survey (specify sample type)  
No. of km x price/km \$
8. Geophysical Survey (specify type of survey)  
No. of km x price/km \$
9. Trenching (specify equipment used and price/hour)  
\$
10. Drilling (specify diamond or percussion and rod size)  
No. of meters x price/meter \$
11. Reclamation (specify type) \$
12. Report Preparation \$ 100.00
13. Other Expenses (specify) MAPS & PUBLICATIONS (127.41)  
Film (36.04) 1/4. WORKERS \$ } 581.33  
COMPENSATION (57.41) Air Photos \$ }  
(312.95) SAMPLE BAGS (47.52) \$ }  
TOTAL EXPENDITURES \$ 6092.86

Attach list if space is insufficient.

The Department of Energy, Mines and Resources may verify all statements related to and made herein this application.

1. I am the person, or the representative of the company or partnership, named in the Application for Contribution under the Yukon Mining Incentives Program.
2. I am a person who is nineteen years of age or older, or represent a person, who is ordinarily a resident of Canada.
3. I have complied with all the requirements of the said program.
4. I hereby apply for the final payment of a contribution under the Yukon Mining Incentives Program (YMIP) and declare the information given above to be true and accurate.

Signature of Applicant DL Date JAN 15/05

Name (print) Daniel M. Wilson

Position or Title (if applicable) \_\_\_\_\_

Access to Information and Protection of Privacy Act

The personal information requested on this form is collected under the authority of and used for the purpose of administering the Yukon Mining Incentives Program. Questions about the collection and use of this information can be directed to the Mineral Development Geologist, Department of Energy, Mines and Resources, Yukon Government, Box 2703, Whitehorse, Yukon Territory, Y1A 2C6 (867) 667-5996.

## Changes to Proposed Projects

File #04-027

Prospecting Proposal II

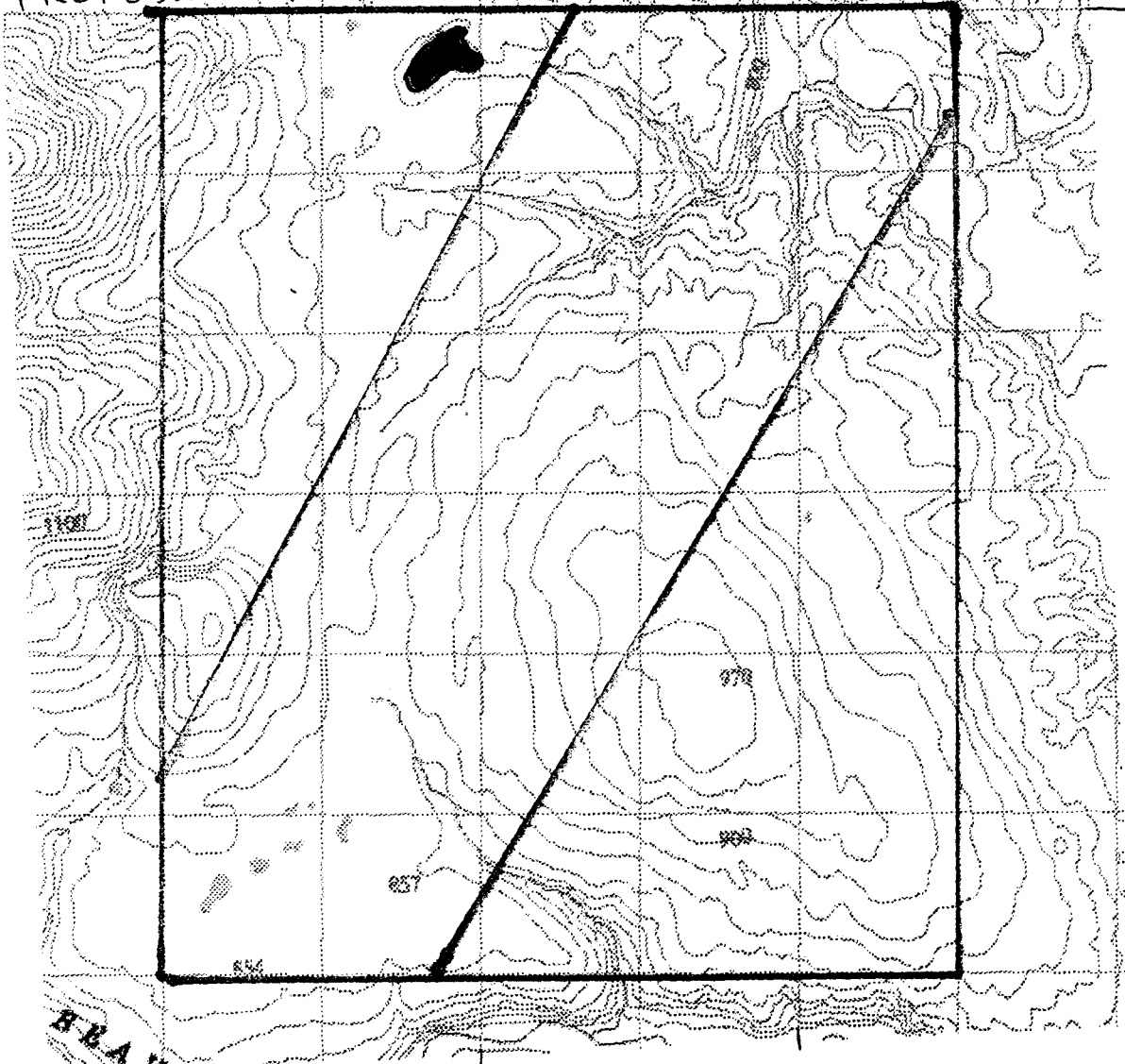
Coal River Map Area N.T.S. 95/D

Claim Map Sheet: 95D/9

The prospecting proposal to this area was based on access by float plane from Watson Lake. The plan was to land and set-up camp at the un-named lake at approximately 647000E, 6724500N (see map page 7). This is the largest lake in the proposed area; however it is not suitable for float plane access. The only way to access this area is by helicopter. This would have cost over \$4000.00, and I decided that such an expense could not be justified within the budget for this Grassroots Prospecting Proposal. This was discussed with Mike Burke when I met with him at his office in Whitehorse on August 9, 2004.

CENTERED ON:  $60^{\circ}37'00''$  N  $126^{\circ}17'00''$  W

PROPOSED AREA: APPROX



6725000 N

6723000 N

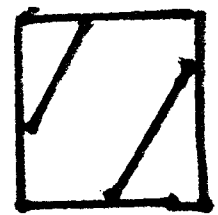
6721000 N

646000 E

648000 E

650000 E

BRAN



PROPOSED  
PROSPECTING  
AREA



## Summary

### Area I

#### Claim Map Sheet 95D/10

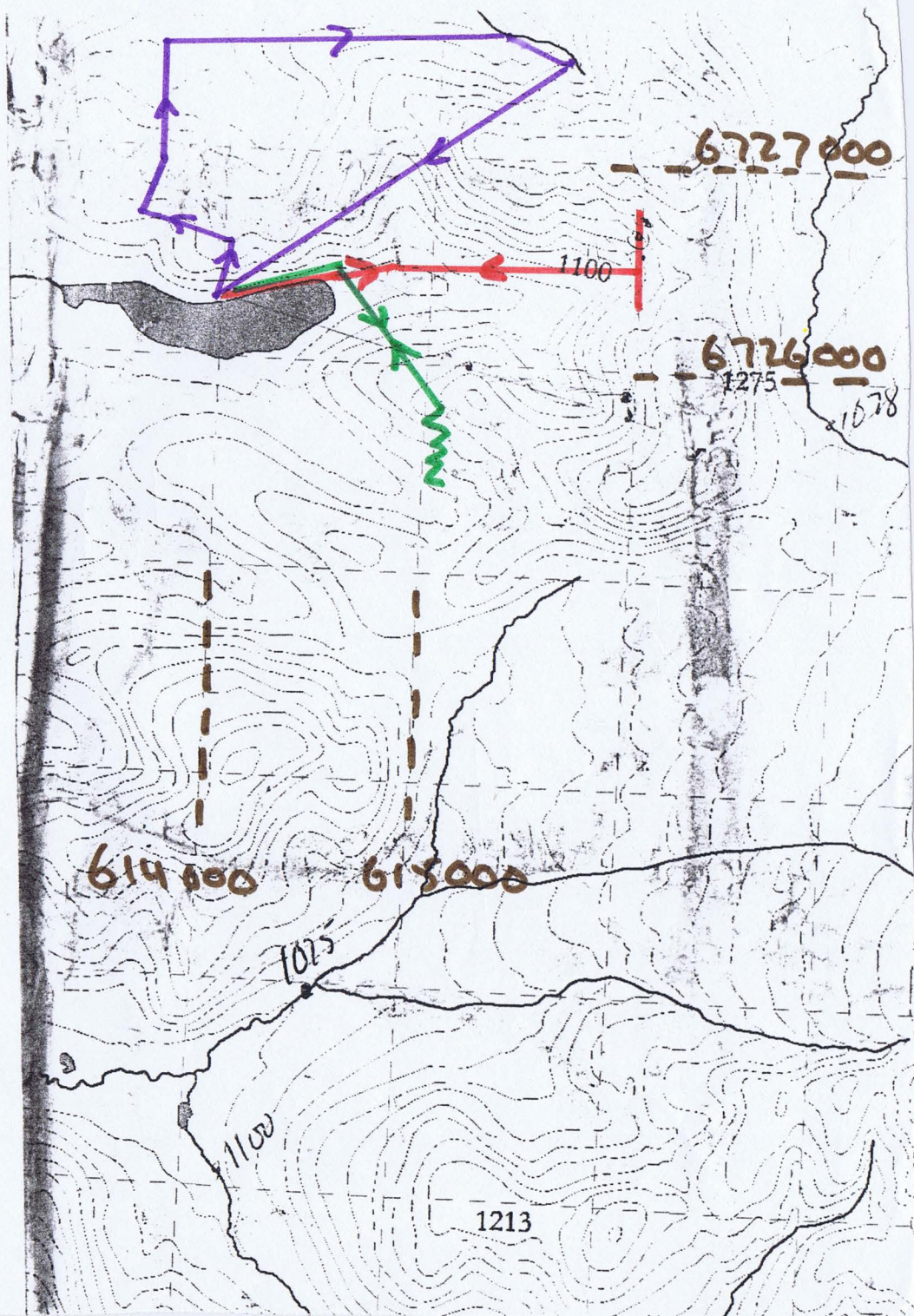
- Float plane from Watson Lake to unnamed lake at approximately 614000E, 6726200N (photograph 1).
- The vegetation was thick and in places the terrain was steep. This combined to make walking difficult.
- All traverses are shown on maps pages 9-12
- 90 rock samples were collected over 11 prospecting days
- Six rock samples were selected to be analysed by Acme Labs of Vancouver using ICP-MS (15gm) by Aqua Regia Digestion. The results are shown on page 22.
- The area is glaciated.
- All sample locations and outcrops were marked and recorded by G.P.S. in field notebook.
- Samples were collected from outcrop, steam beds, roots of overturned trees, and dry stream beds
- The area is mostly unconsolidated glacial and alluvial deposits. The outcrop included dark and light grey Dolomite (photograph 2), pink Limestone (photograph 3) and some buff, orange and grey weathering Dolomite. The Dolomite had thin (1cm) calcite veins (photograph 4) and in some cases the cleavage surfaces had a silky sheen (phyllitic?). There was no visible mineralization. Two Dolomite outcrops had thicker (approximately 5 cm) calcite veins (photograph 5). In all cases, the G.P.S. location of the outcrop and the strike and dip were measured and recorded in the field mark book.
- Maps of the area show the geology to include Oceanic arc volcanics and sediments; Mattson Distal Northerly derived clastic wedge and Upper Devonian shale. The area has been glaciated and thus is thick vegetation. Outcrop is scarce, the area is remote and access is expensive. Most of the outcrop is exposed on the ridges, but only a limited number of the ridges are accessible from the lake. The area is under explored and has potential for Carlin, SEDEX, W Skarn and Stratiform Ba deposits. A more thorough exploration of the area will require a budget that allows for helicopter time to reach the outcrop areas that are not accessible by foot from the lake.

# PROSPECTING AREA I CLAIM MAP SHEET 950110 DAILY TRAVERSES.

DAY 1

DAY 2

DAY 3



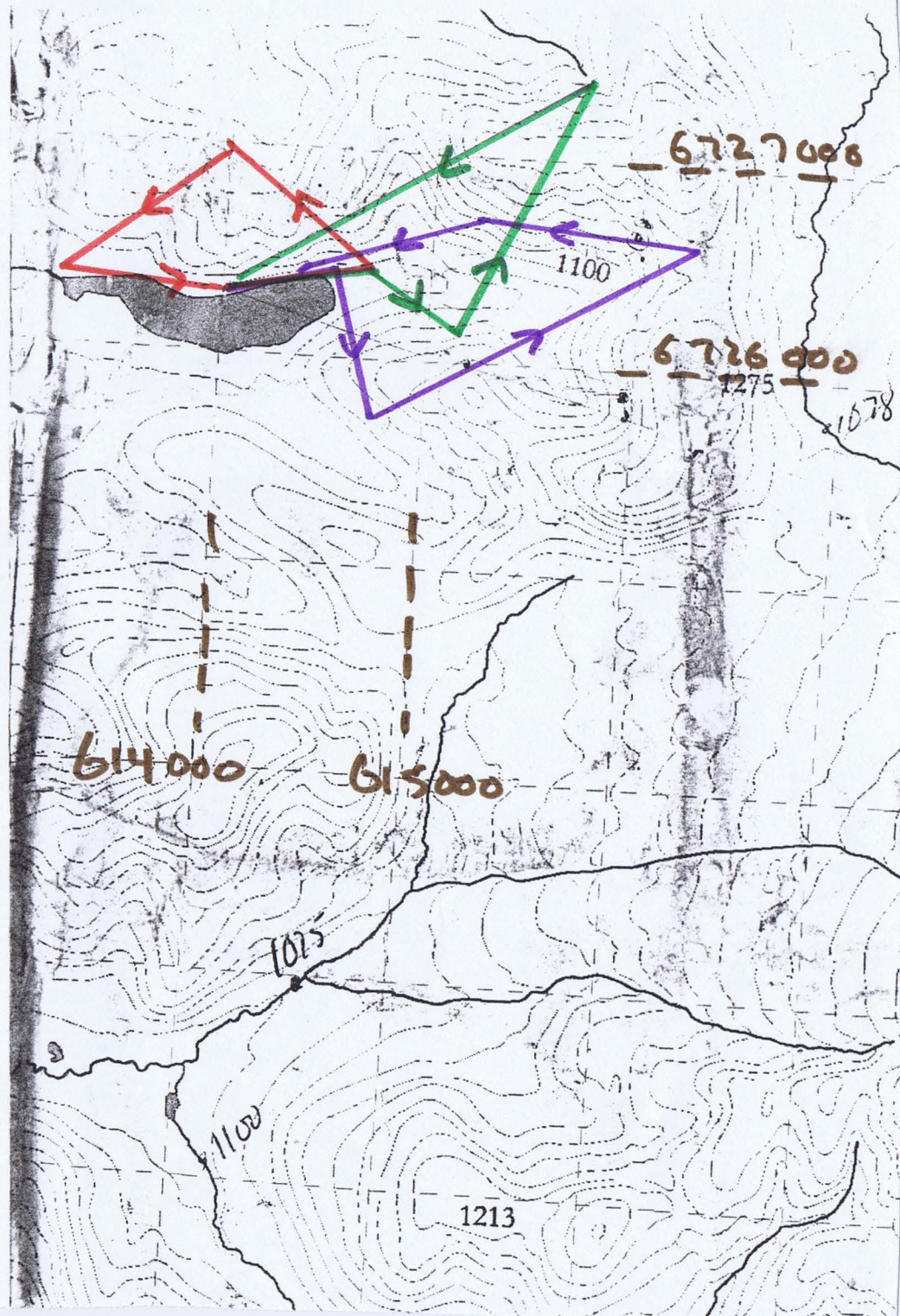


10  
Prospecting AREA I  
Claim MAP Sheet 95D/10  
Daily Transverses.

Day 4

Day 5

Day 6



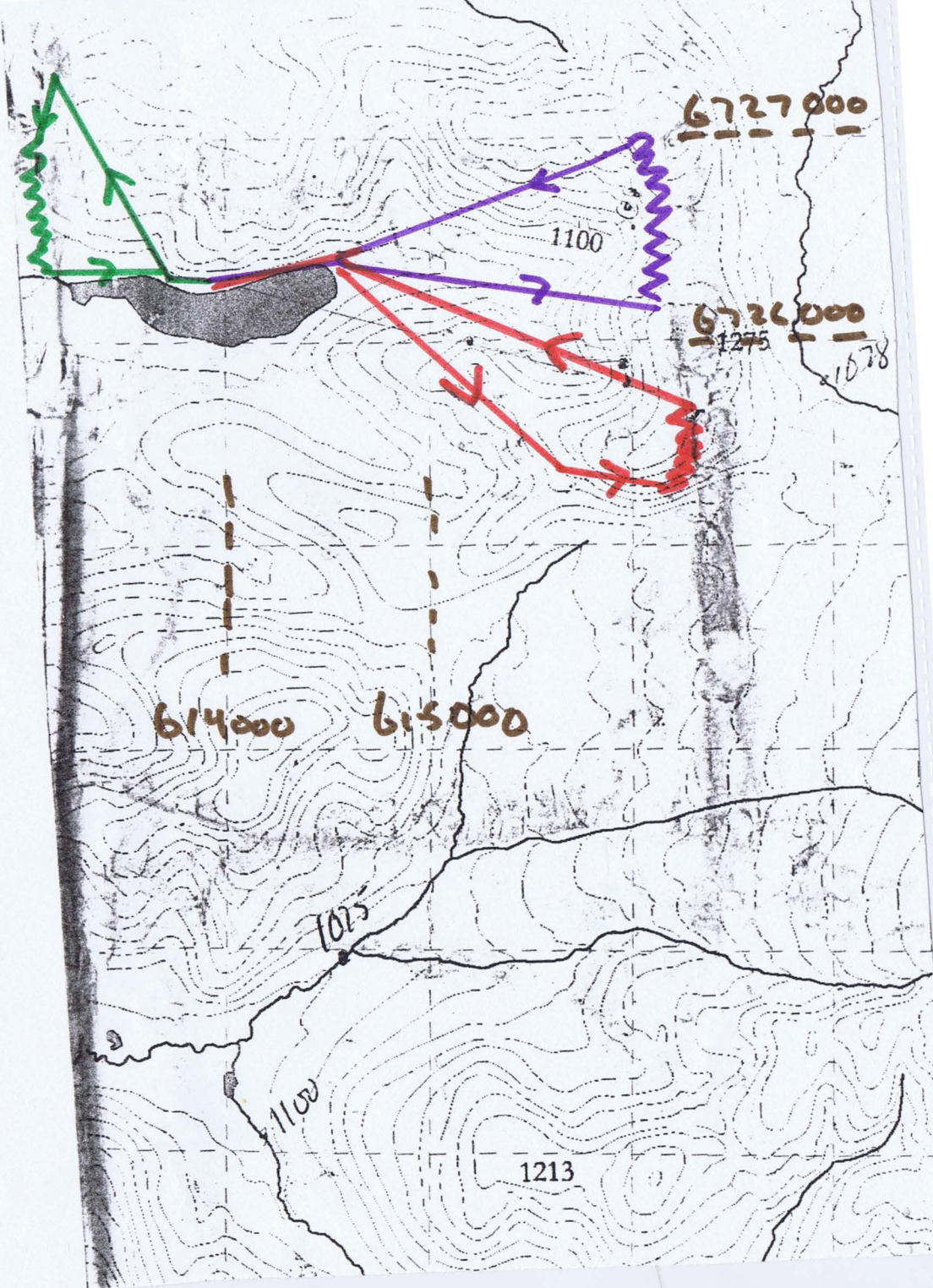


PROSPECTING AREA I  
CLAIM MAP SHEET 950/10  
Daily TRAVERSES.

DAY 7

DAY 8

DAY 9



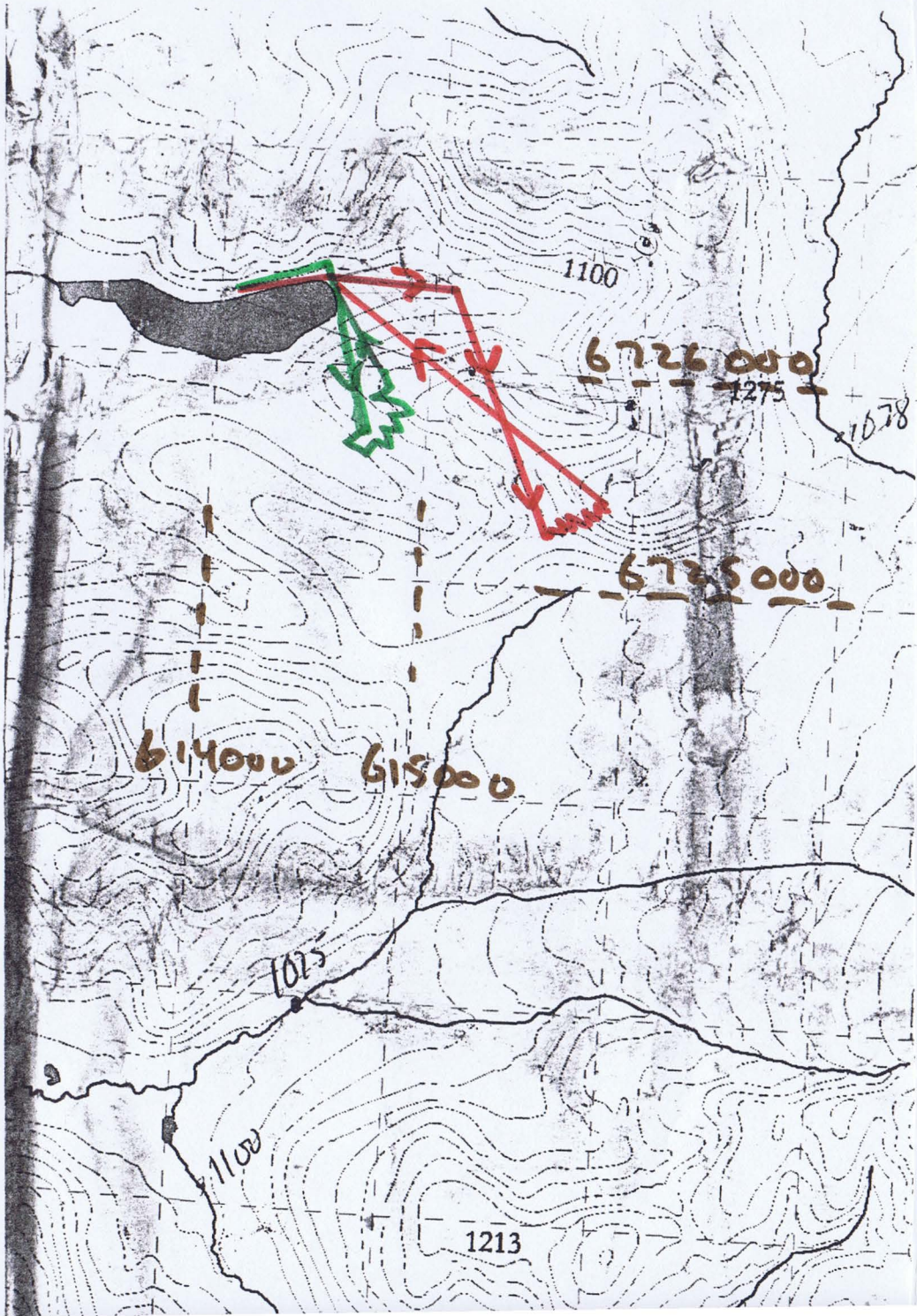


12  
PROSPECTING AREA I  
Claim MAP Sheet 95 D/10  
Daily Traverses

DAY 10 (off)

DAY 11

DAY 12





## Summary

### Area III

#### Claim Map Sheet 95D/8

- Float plane from Watson Lake to west side North Toobally Lake at approximately 653800E, 6701900N (photograph 6)
- The terrain is steep
- Walking was difficult due to old burn blow-down and dense young vegetation
- All traverses are shown on maps pages 14-17
- Some outcrop occurs on west side of North Toobally Lake; however most outcrop occurs on northern side of east trending streams which have formed steep-sided gullies
- 99 samples were collected over 19 prospecting days
- Of the 99, 33 rock samples, 13 soil samples and 6 stream silt samples were analyzed at Acme Labs Vancouver using ICP-MS (15 gm) by Aqua Regia Digestion. The results are shown on pages 21 to 24.
- These 19 prospecting days included 6 days of claim staking (see claim map page 18)
- The Toobally Fault was observed at N 60 25'.750, W 126 12'.808. See sketch on page 25
- Location of all outcrop and all sample locations were recorded by G.P.S. in field notebook
- The strike and dip was measured and recorded for all geological structures that were observed.

The outcrops observed were:

- light quartzitic sandstone (photograph 7)
- grey mafic volcanic, fine grained
- shale and argillite (photograph 8)

Float from the east trending gullies included

- dark green gabbro with pyrite
- mafic volcanic with calcite and quartz veins containing pyrite and chalcopyrite (photograph 9)
- volcanic breccia
- dark grey mudstone conglomerate (Toobally Formation)

The rock samples and soil samples do not show outstanding assays but there are some interesting points regarding the stream sediment samples. Three of the silt samples show favourable assays in four elements when compared with cluster 386 of the Yukon Minerals Target Website (see results page 20).

This indicates that somewhere in that drainage system there is an anomaly of interest. If there is to be future work in this area, it should concentrate further up stream and the effort should be made to fully explore the complete drainage system.

1100

653000

654000

6702000

6701000

635%%p

700

LAKES



Prospecting  
 AREA III  
 CLAIM MAP SHEET  
 95D/8  
 Daily Traverses.

DAY 1

DAY 2

DAY 3

DAY 4



1100

653000

654000

6703000

6702000

635%

700

LAKES

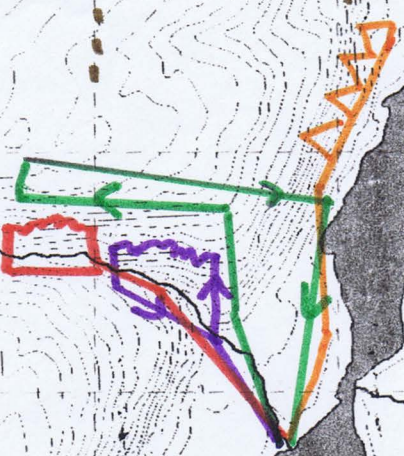
PROSPECTING  
 AREA III  
 Claim MAP Sheet  
 95 D/8  
 Daily Transverses

DAY 5

DAY 6

DAY 7

DAY 8





1100

652000

653000

654000

16

670 3000

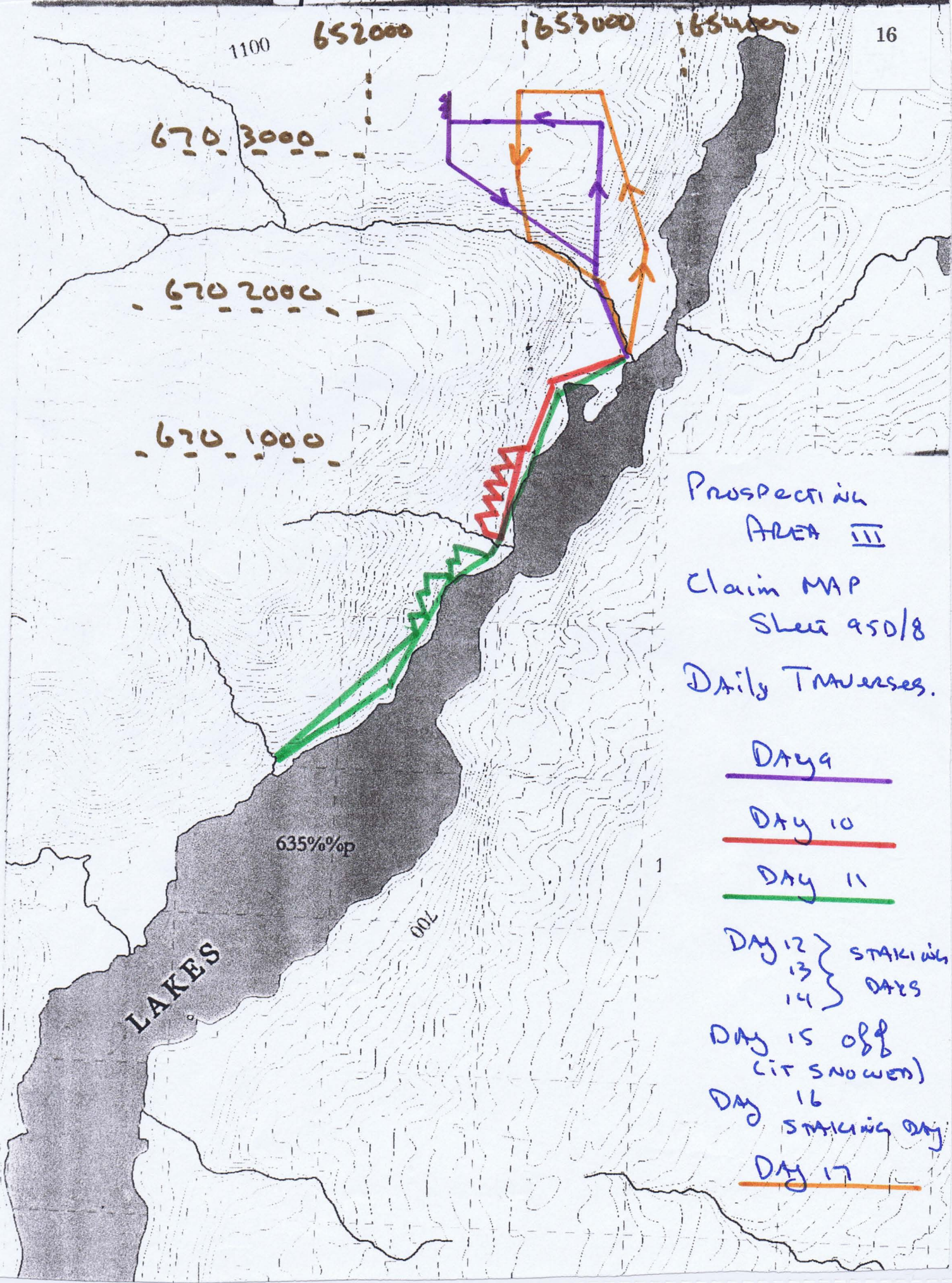
670 2000

670 1000

635%op

700

LAKES



Prospecting  
AREA III

Claim MAP  
Sheet 950/8

Daily Traverses.

Day 9

Day 10

Day 11

Day 12 } STAKING  
13 } DAYS  
14 }

Day 15 off  
(it snowed)

Day 16  
STAKING DAY

Day 17



1100

65200

65300

65400

17

6703000

6702000

6701000

635%op

000

LAKES

Prospecting  
 AREA III  
 Claim MAP  
 Sheet 950/8  
 Daily Traverses.  
 Day 18 } SMILING  
 19 } DAYS  
Day 20





DAN WILSON 1100

6704000

18



6703000

NIS 95 D 08

6702000

CLAIMS BRAYDEN I,  
II, III, IV, V AND VI

652000

654000

653000

635%op

1048

LAKES

100

1000



### Results Summary Area I

In the rock samples assayed there were few anomalies that showed up. Of note were (see page 22)

- sample 10-8-1      As    45.2 ppm
- sample 10-11-8    Ba    1813 ppm
- sample 10-11-9    Ba    1576 ppm

There also was slightly high levels of Sr reported in 10-11-8 (195 ppm) and 10-11-9 (217 ppm).

From the limited number of samples that were tested, there is no obvious indication of an economic deposit.

### Results Summary Area III

In the rock samples assayed there were few anomalies that showed up (page 21).

- sample 8-4-7 Cu 620 ppm
- sample 8-4-2 Ti 1.129%
- sample 8-9-2 Ti 1.294%

The stream sediment sample results (page 24) have some interesting comparisons with data from cluster 386 (Sample ID 095D951068) of the Yukon Mineral Targets, which was taken at Latitude 60.424, Longitude 126.207. Cluster 386 is within the same area as Prospecting Area III.

#### Cluster 386

Litho. specific Threshold  
(99 percentile)

Cu 40 ppm  
Pb 10 ppm  
Ni 54 ppm  
  
V 73 ppm

#### Stream Sediment Sample Results

Sample 5 Cu 54.7 ppm  
Sample 5 Pb 17.2 ppm  
Sample 5 Ni 84.7 ppm  
Sample 2 Ni 54.2 ppm  
Sample 6 Ni 55 ppm  
Sample 6 V 75 ppm

These stream sediment results may indicate that the region could possibly benefit from more testing and exploration that would cover a larger up-stream area.





SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
8-20-4	.8	74.5	1.1	91	<.1	63.0	37.8	1035	6.04	.7	.2	.9	.8	61	<.1	<.1	<.1	98	1.56	.113	10	50.8	2.00	22	.472	4	2.50	.051	.05	.1	.01	4.3	<.1	<.05	11	<.5
10-8-1	.3	12.2	43.1	255	<.1	38.9	7.5	479	10.38	45.2	.7	<.5	5.7	3	.2	.7	.1	5	.03	.032	13	14.6	.02	36	.002	2	.33	.003	.10	<.1	.01	1.1	<.1	<.05	1	<.5
10-8-2	1.8	11.7	16.5	4	<.1	13.9	7.0	361	2.17	3.0	.2	<.5	.8	94	.1	.2	<.1	6	19.60	.006	11	4.2	8.06	19	.005	3	.11	.011	.06	<.1	.02	.9	.1	<.05	<.1	<.5
10-11-3	.2	2.1	<.1	2	<.1	2.0	.5	222	1.02	.5	<.1	<.5	.7	61	<.1	<.1	<.1	1	11.90	.003	6	5.8	4.51	20	.001	3	.05	.013	.03	<.1	.01	.5	<.1	<.05	<.1	<.5
10-11-8	.4	3.9	2.4	6	<.1	4.1	2.1	236	1.24	<.5	.1	<.5	.6	195	<.1	<.1	<.1	5	14.23	.013	10	6.0	4.38	1813	.002	3	.11	.009	.08	<.1	<.01	1.3	<.1	.08	<.1	<.5
10-11-9	.7	13.2	7.0	20	<.1	5.3	2.9	249	1.67	1.0	.1	<.5	.1	217	<.1	.1	<.1	1	13.14	.003	6	1.5	5.26	1576	.002	2	.03	.005	.02	<.1	.02	.3	<.1	.08	<.1	<.5
G.S.10	1.0	9.1	12.9	5	<.1	7.4	2.3	255	1.42	1.5	.1	<.5	1.1	73	<.1	.1	<.1	9	18.50	.014	13	6.1	7.79	475	.002	8	.21	.008	.13	<.1	.01	2.6	<.1	.09	1	<.5
STANDARD DS6	11.4	123.0	28.3	142	.3	25.5	11.1	731	2.86	20.9	6.6	46.6	3.1	40	6.2	3.3	4.8	59	.88	.080	14	183.3	.59	172	.073	18	1.90	.074	.16	3.6	.23	3.5	1.8	<.05	6	4.7

Sample type: ROCK R150 60C.



GEOCHEMICAL ANALYSIS CERTIFICATE

Grassroot Prospecting File # A406827  
11863 - 248 St., Maple Ridge BC V4R 1H9 Submitted by: Dan Wilson



SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
G-1	1.3	2.3	2.1	41	<.1	4.1	3.7	521	1.77	<.5	1.4	1.4	3.6	76	<.1	<.1	.1	38	.48	.074	6	12.0	.52	242	.117	1	.91	.085	.52	1.3	<.01	2.3	.3	<.05	5	<.5
DS 1	.9	18.0	6.9	39	<.1	23.5	14.2	283	3.17	4.4	.3	1.9	2.4	15	.1	.4	.1	57	.18	.024	11	32.9	.47	114	.027	<.1	1.02	.003	.04	<.1	10.24	3.6	.1	<.05	4	<.5
DS 2	.8	16.8	5.6	41	<.1	26.0	13.8	515	3.01	3.1	.3	<.5	1.8	20	.1	.4	.1	51	.16	.037	13	34.4	.53	130	.023	1	.94	.004	.09	<.1	5.68	3.0	.2	<.05	4	<.5
DS 3	1.0	30.1	9.6	94	.1	40.9	25.3	1197	4.58	3.5	.4	.7	2.1	17	.7	.5	.1	86	.50	.080	17	53.3	.80	164	.054	<.1	1.64	.009	.13	<.1	.24	6.4	.2	<.05	8	<.5
DS 4	1.5	17.4	4.6	47	.3	23.6	10.5	554	1.41	.6	4.0	1.0	.4	40	.5	.5	.1	28	2.32	.093	4	24.2	.50	286	.008	7	.53	.008	.04	<.1	.27	1.7	.1	.32	2	10.0
DS 5	1.1	39.6	18.3	23	.2	27.7	11.6	279	3.25	7.0	1.0	<.5	5.0	38	<.1	.6	.3	25	.06	.049	11	26.7	.32	443	.004	1	.72	.002	.09	<.1	.09	2.4	.1	<.05	3	<.5
DS 6	.8	14.9	7.8	62	.1	29.0	15.6	596	3.13	2.6	.4	<.5	2.4	18	.2	.3	.1	58	.28	.070	15	50.3	.65	168	.023	<.1	1.40	.007	.13	<.1	1.22	3.6	.1	<.05	5	<.5
DS 7	.7	8.4	7.7	112	<.1	26.0	11.7	547	2.57	2.0	.4	<.5	3.5	17	.1	.3	.2	48	.20	.137	16	43.6	.43	236	.022	<.1	1.27	.005	.08	<.1	.17	2.9	.1	<.05	5	<.5
DS 8	.7	9.9	8.5	46	<.1	16.7	6.5	143	2.26	2.5	.3	<.5	3.0	11	<.1	.3	.1	42	.05	.083	16	33.4	.40	78	.014	<.1	1.06	.003	.04	<.1	.67	2.0	.1	<.05	5	<.5
DS 9	.9	20.4	10.4	37	<.1	23.7	8.8	195	3.39	4.5	.4	<.5	4.9	23	.1	.5	.2	49	.03	.070	23	38.9	.39	115	.016	<.1	1.16	.003	.06	<.1	2.64	3.1	.1	<.05	4	<.5
DS 10	1.3	33.0	10.6	81	.1	47.1	27.2	1014	5.57	4.3	.4	<.5	2.5	16	.2	.7	.1	95	.34	.090	20	71.3	1.00	159	.045	1	1.95	.005	.08	<.1	.17	7.1	.2	<.05	7	<.5
DS 11	1.1	17.2	8.7	105	.1	26.8	13.4	369	2.97	4.6	.4	1.0	4.1	12	.4	.7	.2	59	.21	.074	17	38.9	.52	115	.039	<.1	1.45	.005	.08	<.1	.04	3.3	.2	<.05	6	<.5
DS 12	.9	17.3	8.7	130	<.1	29.0	19.1	911	4.29	2.9	.4	<.5	2.7	11	.5	.4	.1	77	.24	.088	15	50.3	.70	145	.074	<.1	1.60	.006	.08	<.1	.02	4.4	.1	<.05	7	<.5
RE DS 12	.8	17.5	8.8	129	.1	29.3	19.7	904	4.26	3.2	.4	.6	2.8	12	.6	.4	.1	77	.25	.084	16	50.6	.68	144	.080	1	1.57	.011	.08	<.1	.02	4.4	.1	<.05	7	<.5
DS 13	2.3	209.9	29.8	118	.1	87.8	83.2	2777	7.10	11.6	.8	2.8	3.9	16	.6	.9	.2	125	.56	.047	26	116.4	1.09	176	.102	<.1	2.46	.007	.07	<.1	.10	18.0	.4	<.05	11	.7
STANDARD DS5	12.9	148.2	26.5	138	.3	24.8	11.9	798	3.00	18.8	6.1	45.7	2.8	48	5.5	4.0	6.4	61	.74	.093	12	189.3	.67	141	.092	17	2.03	.033	.15	4.8	.17	3.3	1.0	.06	7	4.7

GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.  
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.  
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data to FA \_\_\_\_\_ DATE RECEIVED: NOV 1 2004 DATE REPORT MAILED: Nov 18/04



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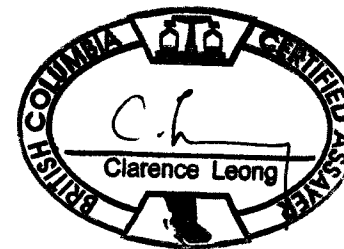
GEOCHEMICAL ANALYSIS CERTIFICATE

Grassroot Prospecting File # A406828  
11863 - 248 St., Maple Ridge BC V4R 1H9 Submitted by: Dan Wilson

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	1.5	2.4	2.3	38	<.1	3.8	3.3	524	1.76	<.5	1.4	1.0	3.6	78	<.1	<.1	.1	39	.51	.072	7	12.8	.53	243	.121	1	.92	.100	.53	1.3	<.01	2.9	.3	<.05	5	<.5
SS SAMPLE 1	.5	24.9	7.4	70	<.1	49.5	22.2	880	4.29	2.8	.5	<.5	1.8	20	.3	.4	.1	62	.56	.103	19	72.9	1.06	104	.031	1	1.34	.006	.04	<.1	.11	5.6	.2	<.05	5	.5
SS SAMPLE 2	.6	32.6	7.6	67	.1	54.2	26.6	1051	4.17	2.8	.5	.8	1.7	19	.3	.4	.1	62	.59	.103	17	67.4	.97	114	.018	1	1.23	.005	.04	<.1	.16	5.8	.2	<.05	5	<.5
SS SAMPLE 3	.6	31.9	7.2	65	<.1	53.7	26.7	978	4.41	2.8	.4	.8	1.8	19	.3	.4	.1	64	.55	.100	17	66.8	.97	105	.028	1	1.26	.005	.04	<.1	.18	6.1	.2	.07	5	<.5
SS SAMPLE 4	.6	28.4	7.6	73	<.1	51.0	24.3	825	4.73	3.0	.5	.5	2.1	22	.2	.4	.1	70	.51	.103	19	72.0	1.03	107	.036	1	1.38	.005	.04	<.1	.83	6.2	.2	<.05	6	<.5
SS SAMPLE 5	2.2	54.7	17.2	133	.5	84.7	18.4	360	3.82	8.7	.8	1.8	2.3	37	.5	.5	.1	47	.60	.085	11	56.3	.44	312	.002	3	.67	.006	.10	<.1	.73	6.6	.1	.14	2	1.8
SS SAMPLE 6	.8	35.4	8.7	75	.1	55.0	28.7	995	4.89	4.2	.6	1.2	2.7	36	.3	.6	.1	75	.50	.105	21	69.8	1.06	142	.035	2	1.42	.005	.06	<.1	1.01	7.0	.3	.07	5	<.5
STANDARD DS5	12.9	148.2	26.5	138	.3	24.8	11.9	798	3.00	18.8	6.1	45.7	2.8	48	5.5	4.0	6.4	61	.74	.093	12	189.3	.67	141	.092	17	2.03	.033	.15	4.8	.17	3.3	1.0	.06	7	4.7

GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.  
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.  
- SAMPLE TYPE: SILT SS80 60C

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TOOBALLY FAULT  
N  $60^{\circ} 25' 750$   
W  $126^{\circ} 72' 808$   
ELEVATION: 2250 FEET.



OUTCROP  
CREAM COLORED  
QUARTZ SANDSTONE  
GREY WEATHERED  
LARGE, ANGULAR  
BLOCKS.

CREAM  
COLORED  
QUARTZ  
SANDSTONE  
FLOAT.

Fault  
DIP  $45^{\circ}$  W

OUTCROP  
LIGHT GREY  
Shale

OUTCROP  
BROWN  
WEATHERED  
Shale.

Scale: 1 cm = 3 m.

FACING 'UP-SLOPE' OF  
APPROXIMATELY  $30^{\circ}$ .

Shale Talus  
VERY 'FINE'  
(Argillitic)





Photograph 1: Prospecting Area I



Photograph 2: Dolomite Outcrop





Photograph 3: Pink Limestone



Photograph 4: Dolomite outcrop  
with calcite veins





**Photograph 5: Weathered dolomite outcrop with calcite veins**



**Photograph 6: Prospecting Area III**





Photograph 7: Quartzite Sandstone  
outcrop



Photograph 8: Exposed shale at  
Toobally Fault





**Photograph 9: Mafic volcanic  
boulder with quartz vein**



### Conclusions

This work resulted in finding some anomalies in a region that has experienced relatively less exploration than other areas of the Yukon. These results do not indicate the existence of an economic deposit. This region has good mineral potential by deposit models. The Yukon Mineral Targets Website has encouraging and helpful data on specific areas of this region. It will require much research and grassroots exploration before achieving the full mineral potential of this part of the Yukon.

### Acknowledgements

This Grassroots Prospecting field work was funded by the Yukon Mining Incentive Program. My thanks to Ken Galambos, for his approval of the application, and thank you to Mike Burke and Lee Pigage for their consultation and encouragement.