

YUKON MINING INCENTIVE PROGRAM

YMIP # 02-026

DAWSON MINING DISTRICT

LUCKY JOE AREA NTS # 115 0 / 11

RUBY MT AREA NTS # 115 0 / 11

STEWART RIVER AREA NTS # 115 0 / 6

TWENTY MILE AREA NTS # 115 N / 9

WORK PERFORMED BY SHAWN RYAN

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PROSPECTING 2002 DIARY BY SHAWN RYAN

SUMMARY

I started my 2002 field season in mid April I started by extending the Lucky claim block by a distance of seven kilometers This took a few days with a small mishap where a helper Andrew Robinson cut his ankle while helping me stake We flew Andrew out that evening by helicopter and I returned alone to finish the staking job and begin my hand trench work The spring came in so fast that this is the first time I've seen a job start with snowshoes in 3 feet of powder snow and end the job staking by foot three days later All the snow melted away while I hand trenched the anomalous soil area found during the 2001 field season Hand trenching revealed a very anomalous soil horizon running 1 2% copper at the 3 5 foot mark then running 8 % copper for the next five feet below This hand trench work was the final work required to get a junior interested in optioning the property It also led to over 500 claims being staked before the year was up

I then turned my focus on the Ruby Mt area where I spent five days prospecting alone with my dog Suzy I went in June 12-16 I staked a small group of six claims over a new showing that reminds me of the Lucky Joe area The new showing is a massive rusty horizon running into a small creek I took silts from various creeks in the area and I took soils along some magnetic high and low contacts I had two camps in the area and was moved by helicopter on both occasions

The next occasion for prospecting took place from August 23-28 I boated up the Yukon River from Dawson to prospect along the banks of the Stewart River Again I was working on magnetic low and high contacts to see if there were any copper kicks I had Scott Fleming and my father Albert Ryan as my assistants We soiled across various contacts and staked 12 claims The weather was beautiful and rusty contacts were found Once assay results were in they were encouraging enough to lead me to do more work

I decided to take a closer look at a new type of target from the new Stewart River Airborne survey release I flew in with Scott Fleming on September 4-6 to an area called the Twenty Mile It's located off the Twenty Mile creek that runs into the Sixty Mile River The target was an intrusion hosted gold like Teck / Cominco TEN property situated seven kilometers directly east We found a nice area with lots of sheeted quartz vein We took over 100 soil and silt samples and I had a company run the assays for first right of refusal The assays showed no signs of gold

I returned October 8-14 for another small program of prospecting and staking I had Andrew Robinson and Mike Glynn help me with staking and soil sampling We staked over 100 claims in 4 different areas I had the helicopter move us around I would be soil sampling while staking to see if I could pick up any new signs of copper mineralization This work and the August work led to optioning all claims staked plus staking another 225 claims in November

All and all a very good prospecting season with a few option deals and the weather was exceptionally good I was even taking soil samples as late as the end of November at 4000 feet

DAILY DIARY

2002 SEASON

- April 22** Flew into Log Cabin Creek and started staking Airborne Geophysical Target with Andrew Robinson
- April 23** Continued staking target with Andrew Robinson, Andrew cut himself on the ankle late in the afternoon, we both flew back in evening He took 6 stitches
- April 26** Continued staking alone, prospected south Slope along Lucky Joe creek
- April 27** Dug 11 foot hand pit on anomalous soil value From 2001 Prospecting Program I found malachite horizon at 95 centimeter down, also found malachite rock Stained all the way to bottom
- April 28** Dug Pit #2, 130 north of pit #1 Found no copper Staining
- April 29** Dug Pit#3, 200 south of Pit #1 Found some Chalcopryite in rock float
- April 30** Staked and Prospected more claims to the south along strike with the Airborne geophysical conductor
- June 13** Flew into the Ruby Mt area alone with my dog Suzy and started prospecting by soil sampling
- June 14** Staked 6 claims and soil and silted magnetic high, low contact areas
- June 15** Moved camp to a new location 5 mile away on the south side of Ruby Mt Area
I took soil and silts across various magnetic high and low contacts

June 16	Prospected, soiled and silted a drainage going east from Ruby Mt I flew out late that evening A good four days of prospecting
August 23	Went prospecting up the Yukon River and travel to the Stewart River to prospected and soil sample magnetic contacts Travel with Scott Fleming and Albert Ryan
August 24	Prospected and soil sample a couple of contacts along the Stewart river banks
August 25	Prospected and stake and soil a prospected contact area, along the Stewart River
August 26	Prospected and soiled around the Tenderfoot Creek area
August 27	Prospected and soiled around a Skarn showing found a few years earlier, along the banks of the Stewart river Pick up some nice copper values in the soil sampling
August 28	Prospected and soiled magnetic contacts along the Yukon river Return back to Dawson City
September 4	Flew into the Twenty Mile creek area to look at a new Airborne Geophysical target Scott Fleming and I staked and took soil samples across the intrusion
September 5	Continued staking and soil sampling along various potassium high contacts
September 6	Finish soil sampling across a large portion of the intrusion Flew back to Dawson City in evening

October 8	Travel to Henderson creek set up camp with Andrew Robinson and Mike Glynn
October 9	Flew into LJS claims, staked, soil and silt along claim line
October 10	Flew into the Hen claims, staked, silt along claim line
October 11	Foggy weather so we worked from the road taking soil and silts from various magnetic high and low contacts
October 12	Flew into Hen claims staked and soil along claim lines
October 13	Flew into Sim and Tim target area around Stewart Mt area Staked and soil, silt around the claims
October 14	Drove out of Henderson creek and came back to Dawson City

Prospecting

By

Shawn Ryan

2002

Project #1 Lucky Joe Target

SUMMARY

The Lucky Joe Target was visited during late April. I dug soil pits up to 11 feet down and found a copper horizon running 1.2% copper in a soil horizon at the 3 foot mark. This work led directly to a deal with Copper Ridge Exploration, which spent another \$50,000.00 this summer with follow-up work. The Follow up work led to a copper soil anomaly running intermittently for 14 kilometers.

LOCATION

The Lucky 1-12 claims are located 35 miles south of Dawson City. The claims are located in the Dawson Mining Division. The claims are on the NTS mining sheet number 115 0/11. The latitude is 63°34' N and longitude 139°32' W.

ACCESS

Access is via helicopter from Dawson City helicopter base. The travel time is about 35 minutes to the property from town.

GEOLOGY

The area was mapped at a scale of 1 inch to 4 miles by the G S C in 1934 and 1935 (G S C Map 711 A, Bostock, 1942) This work shows the property to be situated over a north-south trending belt of Yukon Group gneiss and schist, situated between gneissic granite called the Pelly gneiss

WORK PERFORMED

I visited the property in late April I staked a few more claims and proceeded to start digging a deep pit on a high copper geochem (1100 ppm Cu) found during the 2001- prospecting season I dug pit #1 to a depth of 11 feet I found a nice copper horizon at the 3 foot mark This horizon ran 1 2% copper I sampled below this horizon and it ran 8% copper for the next five feet

I dug another test pit 150 meters north on another high geochem copper soil (2700ppm Cu) anomaly This pit only went down 3 feet due to permafrost, no mineralization was found

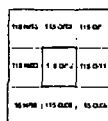
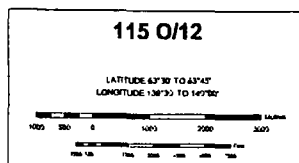
A third pit was dug 200 meter south on another geochem copper soil anomaly (1150ppm Cu) This pit went down 3 feet and hit a rusty pyrite horizon I found some pieces of float rock looking like calcsilicate rocks with chalcopryite Assay value ran 4% copper and 4 grams gold

EVALUATION

The work on the Lucky 1-12 claims area has proved that there is a high probability that a Lucky Joe type copper target exists outside the area prospected in the 1970's

RECOMMENDATION

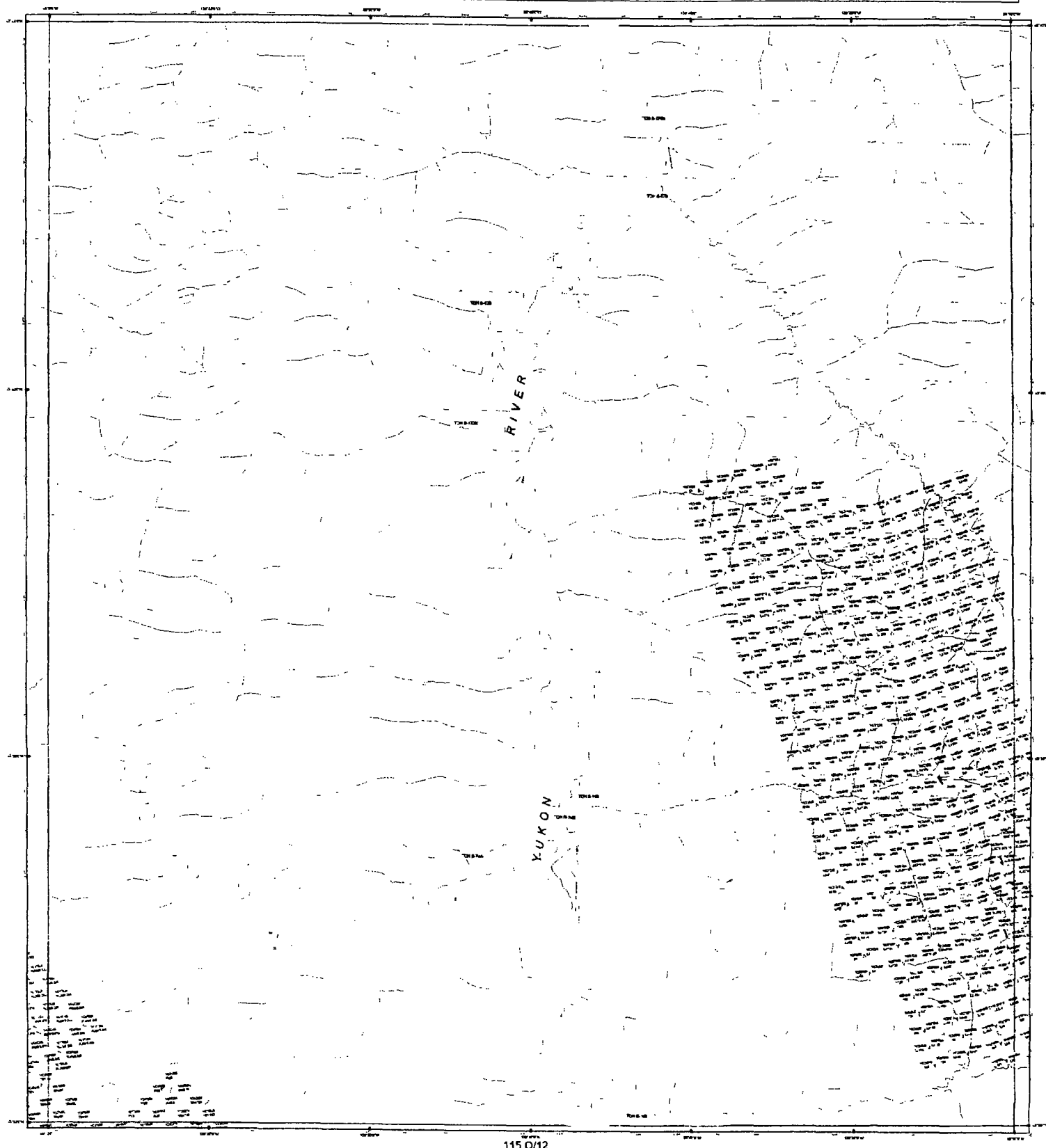
I would recommended follow up with more soil sampling and follow up soil anomalies with short drill holes over copper anomalies

[illegible]

NOVEMBER 12 1962

[illegible]

DAWS, M. NING DISTRICT

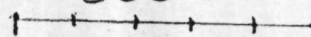


Copper Anomalies

Contoured

40 PPM Cu +

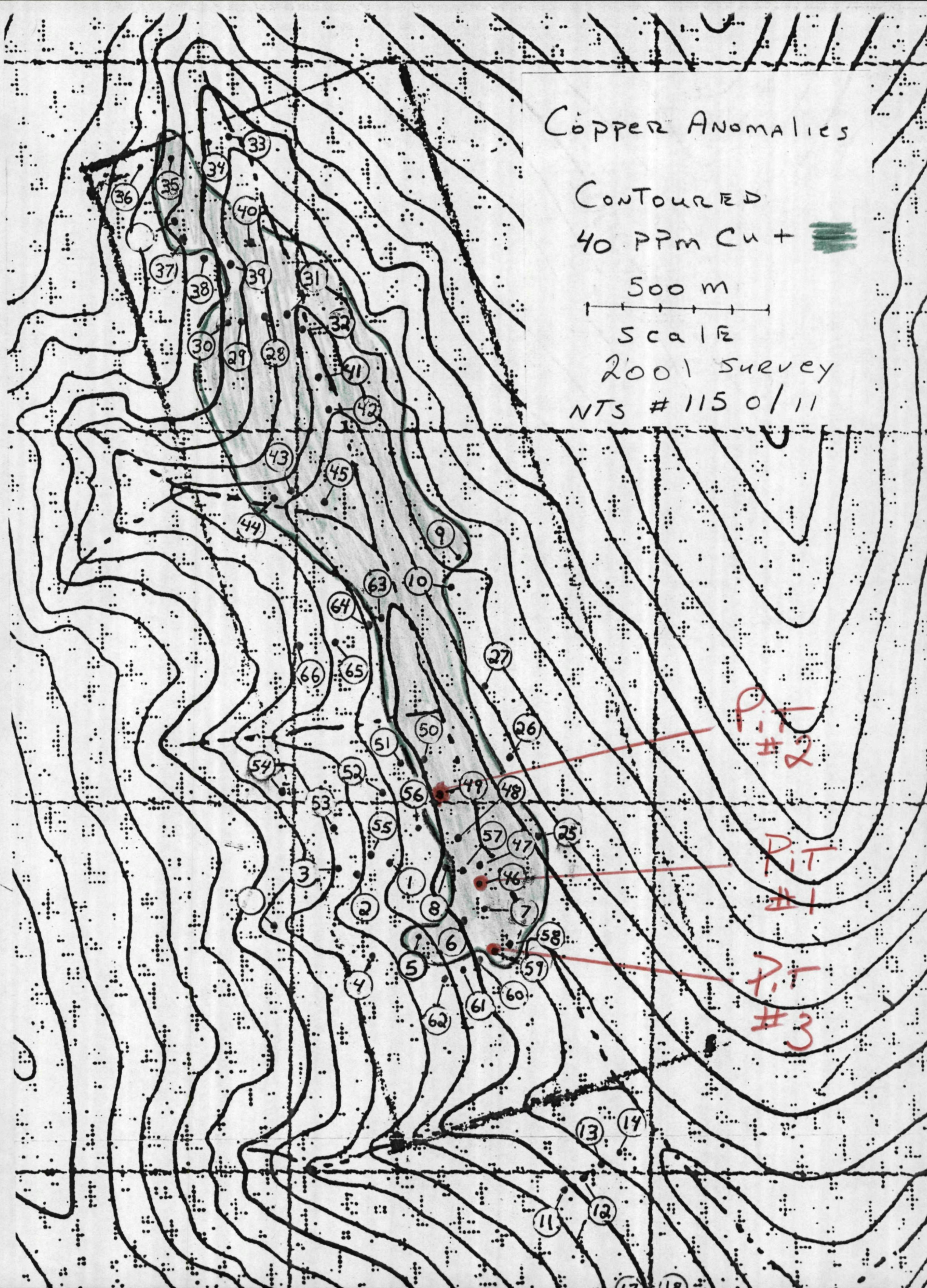
500 m



Scale

2001 Survey

NTS #1150/11



P. 03/03

ACME ANALYTICAL LABORATORIES LTD.
(ISO 9002 Accredited Co.)

852 E HASTINGS ST.

Vancouver BC V6A 1R6

PHONE (604) 253-3158 FAX (604) 2

1716



GEOCHEMICAL ANALYSIS CERTIFICATE



Copper Ridge Exploration Inc. PROJECT LUCKY-JOE File # A201613

500 - 625 Howe St., Vancouver BC V6C 2T6

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																		
G-1	12	15	23	37	<1	42	41	490	160	<5	16	<5	42	77	<1	<1	1	41	53	077	8	37	7	44	230	121	1	85	079	43	5	<01	19	2	<05	5																	
LJE01	9	33	8	15	2	53	2	33	7	12	4	359	3	07	10	8	7	3	2	5	2	26	1	5	4	66	29	019	18	34	9	59	968	087	2	1	94	012	07	1	02	3	9	1	<05	6							
LJE02	11	18	1	11	3	48	<1	30	5	11	8	290	3	38	9	9	7	1	8	10	9	13	1	5	3	65	14	025	21	34	0	62	247	126	1	2	27	008	22	1	03	2	7	2	<05	7							
LJE03	10	16	7	9	1	43	<1	26	7	12	0	265	3	38	9	5	1	0	1	2	11	5	15	1	4	3	59	14	027	21	35	2	64	252	134	1	2	18	008	27	1	01	2	6	3	<05	7						
LJE04	8	14	3	9	0	40	<1	22	2	10	6	226	2	77	9	6	8	1	2	8	4	12	1	4	2	61	12	022	17	29	0	49	204	113	1	1	76	008	17	1	02	2	4	2	<05	7							
LJW01	13	52	2	34	9	56	3	20	5	8	5	211	3	11	6	1	6	1	4	4	7	16	2	4	4	67	15	031	17	29	4	50	334	137	<1	1	71	008	21	2	04	2	0	2	<05	7							
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CUPIT1-B	38	8	1379	5	20	2	297	1	4	5	4	14	1	551	4	55	3	8	11	0	15	5	21	3	30	1	3	3	5	45	38	048	19	3	2	1	09	133	026	<1	2	16	015	22	<1	10	6	0	2	06	12		
RE LJW03	7	32	5	13	0	67	1	24	2	10	6	335	2	51	6	6	8	2	6	6	4	27	1	5	2	51	36	061	24	30	3	59	405	102	1	1	60	013	13	2	04	3	6	1	<05	5							
CUPIT1-BG 90-95	5	3	11929	7	29	7	473	4	10	9	50	5	810	2	37	1	2	19	7	6	5	13	2	27	1	6	1	1	9	74	56	081	12	1	9	84	44	002	1	2	05	014	06	<1	04	13	6	<1	<05	7			
CUPIT1-C120	4	7	2553	3	18	9	199	6	6	7	27	6	492	1	38	7	9	1	9	5	15	4	25	7	1	2	6	22	39	040	28	1	1	42	92	002	<1	1	80	015	08	<1	08	8	4	<1	<05	4					
CUPIT1-C140	7	5	7571	8	32	6	1014	5	14	9	04	5	505	5	15	1	4	17	4	5	7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	<1	<05	13				
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CUPIT2-C1	142	3	2751	4	8	6	177	3	5	29	9	7	7	399	7	70	4	3	3	7	202	9	32	7	29	1	1	1	9	1	35	30	043	33	9	8	1	08	275	045	<1	2	35	015	47	1	03	2	8	4	25	12	
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STANDARD DS3	8	9	120	1	34	8	155	3	35	3	12	1	823	3	03	28	6	5	5	22	3	3	7	27	5	5	5	1	5	4	76	54	089	17	177	9	56	158	096	2	1	69	029	16	3	8	23	2	8	1	0	<05	6

GROUP 10A - 30.0 GM SAMPLE LEACHED WITH 60 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS
 UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
 - SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns

DATE RECEIVED: JUN 7 2002 DATE REPORT MAILED: June 18/02

SIGNED BY: D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

CUPIT1-A → PIT#1 A HORIZON
 CUPIT1-B → PIT#1 B HORIZON
 CUPIT1-BG 90-95 → PIT#1 90-95 CM HORIZON
 CUPIT1-C120 → PIT#1 120 CM HORIZON
 CUPIT1-C140 → PIT#1 140 CM HORIZON
 CUPIT2-B → PIT#2 B HORIZON
 CUPIT2-BG → PIT#2 40 CM HORIZON

CUPIT3-0 → PIT#3 A HORIZON
 CUPIT3-G → PIT#3 35 CM HORIZON
 CUPIT3-B → PIT#3 50 CM HORIZON

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only

Data FA

PROJECT # 2 RUBY MT AREA

SUMMARY

I visited the Ruby Mt area in the middle of June. I was focusing my attention on geophysical anomalies that looked a little like the Lucky Joe Showing. I found a rusty pyrite horizon coming out into a small creek. Soil samples along the creek showed anomalous value in Cu, Zn, Ni, and Cobalt. This is close to the same geochem signature as the Lucky Joe Target.

PROJECT LOCATION

The Ruby Mt area is located 40 kilometer south of Dawson City. It is located in the Dawson Mining Division. The NTS claim sheet is 115 0/11. The latitude is 63°43' N and longitude 139°28' W.

ACCESS

The area can only be reached via helicopter from Dawson City. The helicopter time is about 3 hour from Dawson City.

GEOLOGY

The local geology of the area is situated in what Bostock called the Precambrian, Yukon Group of Gneiss, Quartzite, Schist, and slate. During my prospecting I found large areas covered with limestone. I also noted on the RN 1-6 claims a pyrite horizon extending out into the creek.

WORK PERFORMED

I travel to Ruby Mt alone with my dog Suzy I worked out of one camp for two days I started by soil sampling across magnetic low and high contacts I found the rusty horizon coming out into the creek and I took silt samples above and below it I decided to stake 6 claims the following day and take more soils along the creek draw I moved camp that night to the main Ruby Mt ridge located 4 miles away I worked the area for another two days taking soil and silt samples I got picked up late on day four It was a good quick prospecting trip

I returned for one day in late fall to follow up anomalous soils I took more soils across the ridge top and along an anomalous creek draw I also had Scott Fleming, Andrew Robinson and Michel Vincent come out to stake a larger claim block The RN claim block now stands at 30

EVALUATION

The Ruby Mountain prospect turned out to have nice soil geochem signature with values reaching as high as 275ppm Cu, 700 ppm Zn The pyrite horizon also showed to be anomalous in the creek silts in Cu 115 ppm, Zn 382 ppm, Ni 85 ppm, and Co 24ppm

RECOMMENDATION

I would recommend a soil grid to cover the northern half of the claim block Soil samples should start with 100 meter station spacing then do fill- in with 50 meter station spacing over anomalous areas

Scale and Orientation
North Arrow

150 2013	150 214	150 215
150 216	150 217	150 218
150 219	150 220	150 221

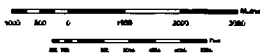


- 1:50,000 Scale
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- 45:50,000 Scale
- 46:50,000 Scale
- 47:50,000 Scale
- 48:50,000 Scale
- 49:50,000 Scale
- 50:50,000 Scale

Contour Interval: 100 m
UTM Zone 7, NAD 83

115 O/11

LATITUDE 53°30' TO 53°45'
LONGITUDE 134°00' TO 134°15'



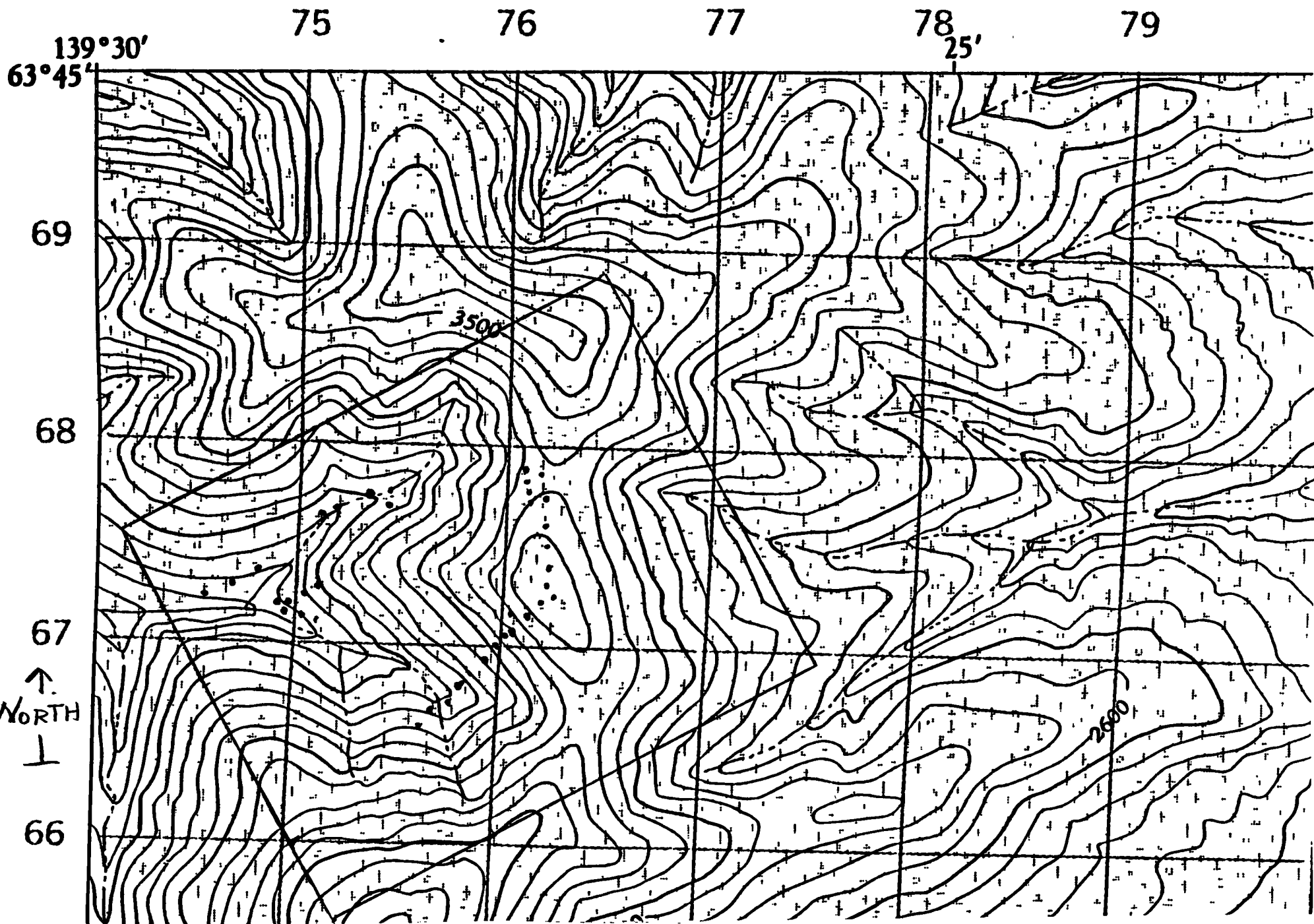
Canada

NOTICE: This map is issued as a public document and is not intended for use as a legal document. It is the responsibility of the user to verify the accuracy of the information contained herein. The map is issued as a public document and is not intended for use as a legal document. It is the responsibility of the user to verify the accuracy of the information contained herein.

DAWSON MINING DISTRICT

DECEMBER 7, 2002

115 O/11



NTs # 1150/11

RN 1-30 Claims

RUBY MT. AREA PROSPECT

● - RN GPS# - SERIES
FILE # A205250

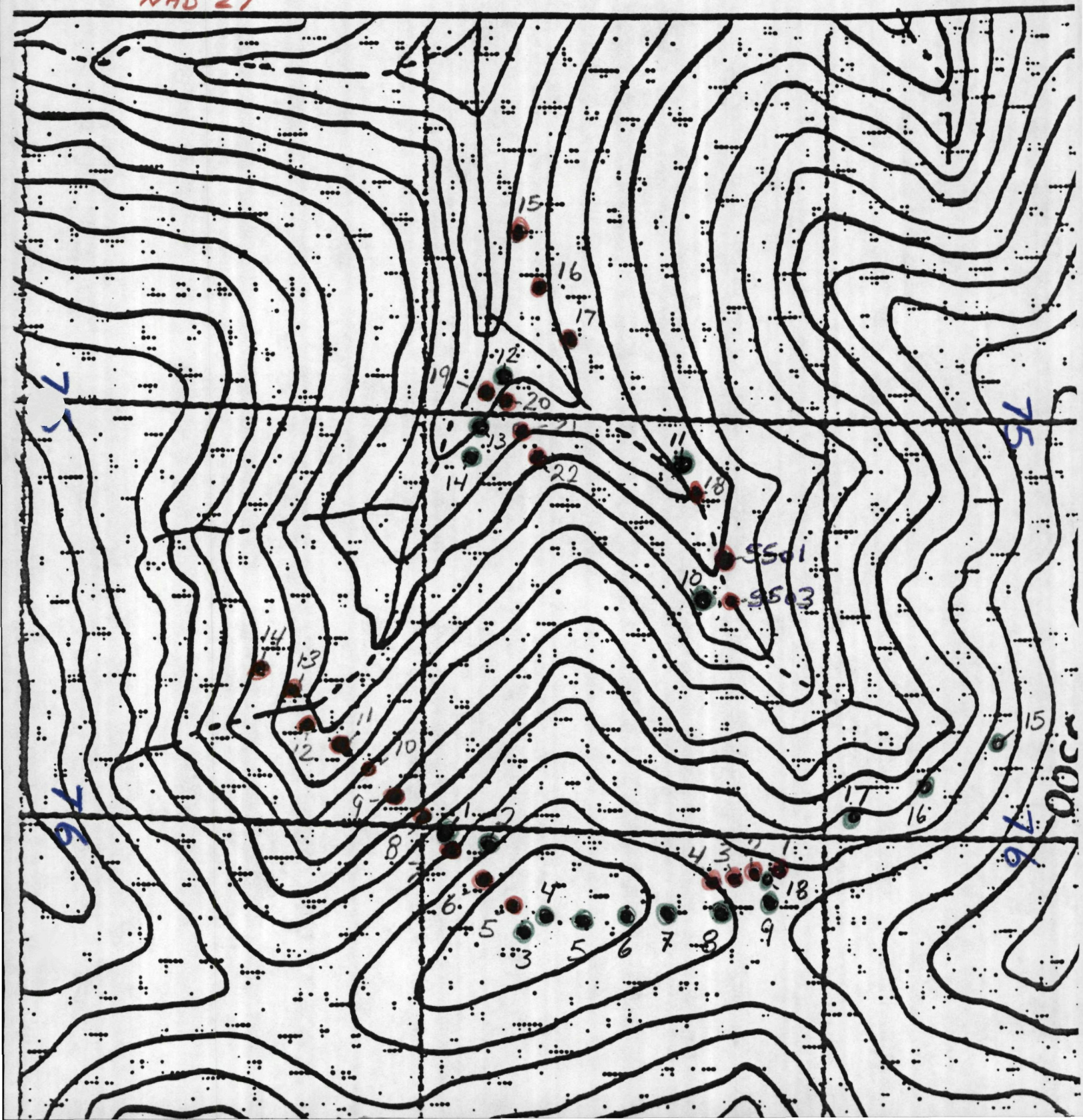
● - RS06025 - SERIES
FILE # A202663

500m

Scale 1:2,500

NTS # 1150/11
NAD 27

→



RUBY MT. AREA PROSPECT

● RS 06025 - Soil SERIES Assay FILE# A202663

59 1-25,000
MAGNAB
SCALE

60

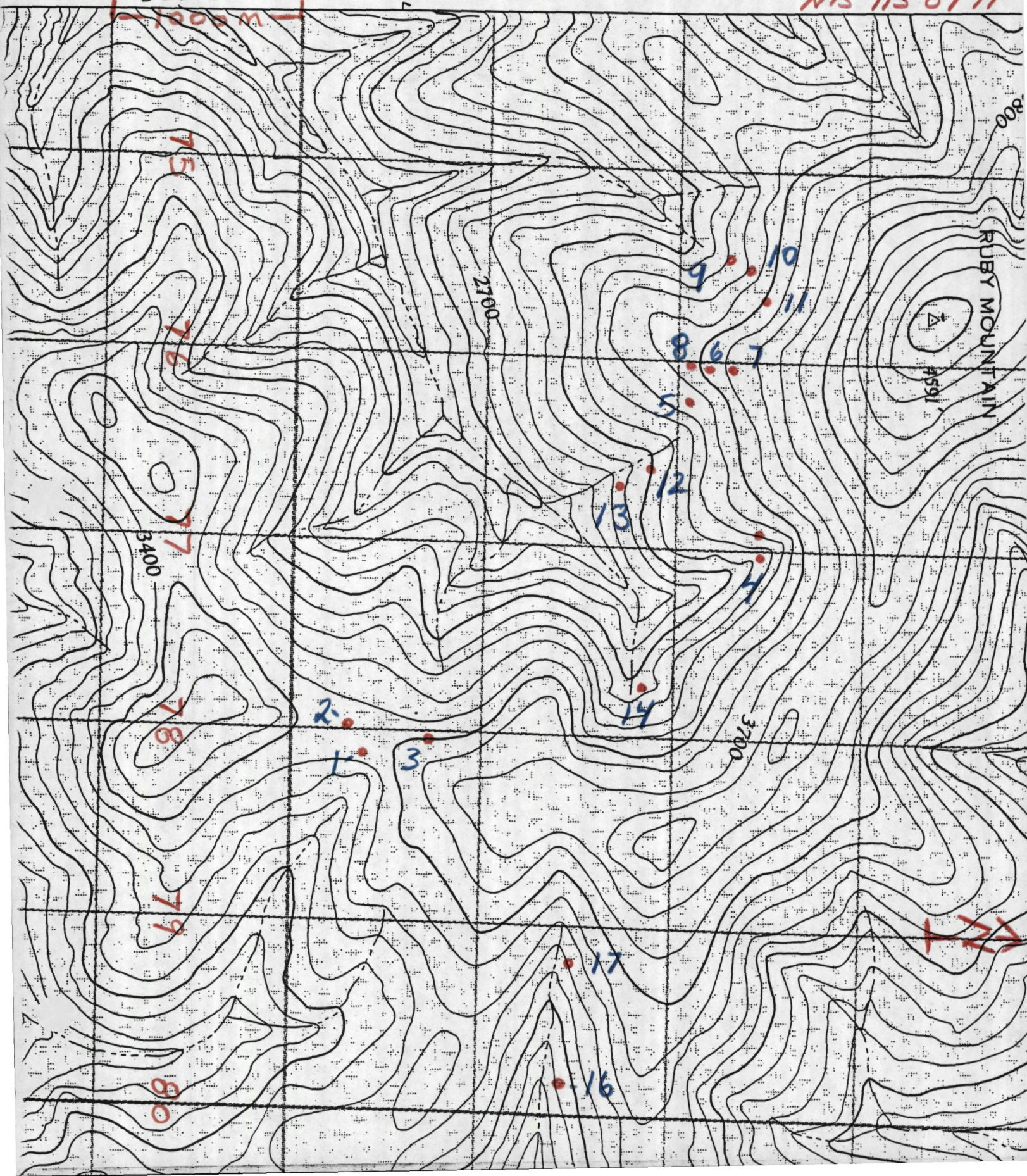
40°

61

62

63

NTS 115 0/11





GEOCHEMICAL ANALYSIS CERTIFICATE

Klondike Exploration File # A202663

Page 1

Box 213, Dawson City YT Y0B 1G0



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
	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
G-1	12	18	1.9	37	<.1	3.8	3.8	495	1.84	<.5	2.9	5.4	9	65	<.1	<.1	2	38	.50	.082	7	12.6	49	205	120	4	86	.063	47	2.1	<.01	1.6	3	<.05	5
RS0602S01	3	20.9	3.8	33	<.1	15.3	4.6	168	1.64	2.9	5	2.5	1.3	7	<.1	1	1	36	.07	.020	5	18.2	16	149	028	2	.90	.003	03	1	01	2.4	1	<.05	4
RS0602S02	9	33.1	9.6	66	.1	23.6	10.2	284	2.59	8.7	9	4.1	4.3	10	1	.4	.2	58	.09	.022	11	33.6	54	219	079	3	2.21	.008	.07	.1	.03	3.8	1	<.05	6
RS0602S03	.4	38.0	4.7	58	<.1	23.3	13.1	458	2.73	5.5	5	8.2	3	15	.3	2	1	66	.43	.107	9	29.6	72	336	.135	4	1.89	.012	.07	1	02	3.3	1	<.05	6
RS0602S04	19	69.9	7.9	173	5	75.2	15.6	342	3.51	8.2	1.8	3.1	3.4	24	7	.2	.2	90	.21	.077	14	51.2	70	702	120	<.1	1.67	.013	.39	.1	.02	5.3	3	<.05	6
RS0602S05	17	35.5	8.9	100	2	27.0	15.5	1039	3.16	7.9	1.0	.9	3.1	16	4	.3	.2	82	.12	.085	15	36.8	58	344	115	3	1.81	.007	.25	.2	.02	3.8	2	<.05	8
RS0602S06	9	50.7	4.4	83	.1	219.2	15.8	200	2.74	3.2	8	1.2	2.3	20	1	1	1	81	.11	.023	12	223.2	1.29	763	.134	<.1	2.09	.007	.24	<.1	01	4.1	3	<.05	6
RS0602S07	11	43.1	7.1	72	1	38.5	12.0	316	2.55	8.2	1.0	2.5	3.6	13	1	.3	.1	66	.10	.030	12	40.9	57	392	101	<.1	1.75	.008	.14	.1	.02	3.4	2	<.05	5
RS0602S08	7	24.8	8.9	57	1	25.8	8.4	190	2.57	7.5	7	1.4	4.1	13	.1	3	.2	62	.12	.022	14	37.5	.53	390	.087	<.1	1.91	.009	.10	1	01	3.8	2	<.05	6
RS0602S09	21	52.7	8.1	107	.2	50.7	13.0	224	2.93	8.1	1.1	1.7	4.7	9	2	4	2	73	.05	.027	13	48.9	55	621	111	1	1.94	.007	.16	.1	.02	3.7	3	<.05	5
RS0602S010	26	44.0	9.3	76	.5	39.4	17.9	675	2.99	8.3	1.2	3.8	3.1	20	3	.3	.2	83	.24	.047	14	47.0	56	469	096	2	1.76	.009	.13	.1	.03	3.7	2	<.05	6
RE RS0602S010	24	45.6	9.2	79	6	39.8	18.4	696	3.08	8.4	1.2	3.0	3.1	20	3	4	2	85	.25	.048	14	50.0	.58	471	.096	<.1	1.83	.009	.14	.1	.04	4.0	2	<.05	7
RS0602S011	.9	42.0	5.1	63	.2	128.0	15.0	266	2.66	5.6	8	2.3	1.8	17	.1	.2	.2	65	.22	.047	12	76.3	93	378	.114	1	1.70	.009	.18	.1	.04	4.0	2	<.05	6
RS0602S012	.9	46.3	7.7	182	2	101.9	12.0	458	2.90	7.4	1.0	1.4	4.4	17	6	5	.1	62	.59	.053	27	53.3	.51	382	.075	<.1	1.76	.008	.12	.2	.08	6.8	3	<.05	5
RS0602S013	18	33.6	8.9	73	.4	17.2	6.6	215	3.10	6.2	5	1.8	2.4	16	.5	.4	.2	78	.10	.035	9	31.3	.45	233	.090	1	1.67	.012	.16	.1	.02	2.6	.1	.08	7
RS0602S014	5.8	36.2	12.7	88	.9	29.0	7.3	254	3.75	9.1	7	1.2	2.0	11	3	.6	.2	86	.07	.048	8	30.9	30	243	.048	2	1.99	.007	.10	.1	.05	3.4	1	.10	6
RS0602S015	.7	26.3	6.6	61	.1	31.0	8.9	241	2.82	4.6	6	1.9	3.7	11	<.1	2	.2	65	.14	.047	13	43.3	.67	234	.154	4	1.78	.009	.46	.1	.01	3.4	3	<.05	6
RS0602S016	17	44.6	6.2	126	.2	100.8	17.7	420	3.63	3.8	.8	1.6	2.9	14	.4	2	.1	87	.14	.056	12	96.5	89	1051	147	1	1.79	.011	.39	<.1	.02	6.5	4	<.05	7
RS0602S017	45	52.1	8.2	90	.6	33.8	8.0	338	3.38	7.8	9	2.5	2.9	12	6	.4	.2	110	.07	.074	9	49.8	57	370	.070	2	1.74	.008	.15	1	.03	3.1	2	.06	6
RU0602S01	23	36.6	7.1	109	.9	30.6	11.4	167	4.22	5.1	.7	55.5	2.0	9	8	4	.2	76	.05	.043	7	47.3	94	155	170	1	2.53	.011	.46	.1	.03	3.5	5	.08	7
RU0602S02	56	105.0	5.9	304	8	72.4	10.2	275	4.20	2.8	1.8	2.0	2.0	24	9	2	2	104	.04	.054	8	50.7	1.39	389	.177	1	2.55	.025	.80	2	.01	4.3	.5	.19	9
RU0602S03	53	102.9	7.0	236	5	48.7	8.4	217	3.35	4.8	3.0	2.7	2.8	26	1.0	.3	.2	116	.12	.046	16	56.3	1.16	356	.146	<.1	2.42	.019	.46	.1	.02	5.2	5	.11	8
RU0602S04	.5	64.8	3.3	175	.1	89.8	42.1	932	5.05	3.9	8	8.3	1.1	16	1.1	1	<.1	224	.84	.185	19	102.7	1.34	1910	.407	<.1	2.73	.012	.44	.1	.02	9.0	1	<.05	11
RU0602S05	5	180.3	4.1	57	.2	183.8	46.0	591	3.74	4.8	3	<.5	2.8	90	3	.1	.1	75	.78	.087	13	139.2	1.13	1170	.275	<.1	2.92	.031	.11	.1	.02	4.3	1	<.05	6
RU0602S06	3.2	89.1	7.3	93	4	37.0	10.2	230	3.36	6.4	1.9	2.9	3.0	20	5	4	2	83	.15	.041	13	59.0	.94	858	130	<.1	2.27	.012	.31	.1	.02	4.5	3	<.05	7
RU0602S07	36	51.0	6.4	65	8	12.9	4.5	179	2.31	4.8	9	1.4	2.0	14	3	.3	2	66	.06	.034	11	37.1	.91	233	.090	<.1	1.74	.011	.13	1	.01	2.5	.2	.10	6
RU0602S08	4.0	59.8	8.8	95	.9	26.9	8.0	325	3.00	7.6	2.2	2.1	2.4	31	.4	.4	.2	97	.15	.162	14	44.9	.63	310	.059	<.1	1.91	.011	.12	.2	.02	2.9	.2	<.05	6
RU0602S09	42	70.8	6.1	82	6	17.8	3.8	154	2.35	4.1	1.7	2.5	2.6	22	4	.3	.2	56	.07	.045	11	28.7	.57	178	.064	<.1	1.28	.008	.13	.2	.01	2.2	.2	.09	4
RU0602S010	3.8	62.3	6.5	171	5	47.5	8.6	340	2.63	4.6	1.6	3.4	2.7	38	.6	2	.2	148	.18	.050	13	84.0	1.14	310	127	<.1	2.15	.013	.28	.1	.03	4.3	.3	.10	7
RU0602S011	3.3	38.4	8.8	101	1.1	24.6	10.0	289	2.90	8.0	7	2.3	2.8	18	.3	.3	.2	74	.08	.041	11	32.2	.51	202	.099	1	1.48	.008	.13	.1	.01	2.4	2	<.05	6
RU0602S012	38	81.4	7.6	233	6	33.3	9.2	301	4.24	2.0	1.9	2.6	2.7	32	9	2	3	111	.11	.074	12	51.0	1.16	595	.152	<.1	2.19	.024	.99	.1	.02	3.9	.7	.27	7
RU0602S013	18	66.0	7.4	123	5	55.1	9.7	232	2.72	6.9	1.4	2.4	2.7	17	7	4	.2	100	.25	.066	19	52.4	.64	343	.084	<.1	1.75	.008	.10	.1	.02	3.5	2	<.05	6
RU0602S014	1.0	42.2	7.7	139	3	54.7	11.6	249	2.52	7.4	7	2.3	3.3	18	4	.5	.2	64	.35	.057	14	50.5	.61	353	.099	<.1	1.66	.009	.05	.2	.03	3.3	1	<.05	5
RU0602S015	5	76.9	5.6	244	1	111.4	16.1	1103	3.33	6.1	7	1.8	5.8	12	1.3	1	.2	75	.53	.106	24	34.2	1.03	698	.215	<.1	1.91	.014	.85	.1	<.01	6.8	.4	<.05	7
STANDARD DS3	8.9	131.0	32.0	160	.3	36.5	12.2	792	3.39	32.1	6.3	21.1	3.7	29	6.0	5.0	5.4	81	.56	.099	18	188.1	.59	149	.088	2	1.96	.036	.17	3.6	.24	3.7	1.2	<.05	6

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 29 2002

DATE REPORT MAILED: Aug 9/02

SIGNED BY: C. LEONG, J. WANG, CERTIFIED B.C. ASSAYERS



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
G-1	1 1	1 6	2.0	38	<.1	3.6	3.7	480	1 70	<.5	2 3	< 5	4 8	63	< 1	<.1	1	38	46	.080	7	11 3	49	199	120	3	83	.067	44	2.2	.01	2 1	3<	.05	4
RU0602S016	2 3	27 8	6 5	73	2	20 8	9 1	303	2.17	5.5	7	<.5	2 8	17	3	3	.1	68	.18	.045	10	30 2	47	281	.093	<1	1.45	.008	.09	.2	.02	3.4	.1<	.05	5
RU0602S017	1 9	45 5	5.8	143	2	47.4	8.7	206	2 54	6.1	.7	1 7	2 5	20	2	5	.1	79	.20	.038	11	42.2	67	361	.119	<1	1 68	.010	.19	.1	.02	4 1	2<	.05	6
RU0602S018	7 3	167 5	11 8	387	.5	116.1	26 6	779	5.31	6 4	2 3	2.4	3 4	53	1 9	.4	.2	134	.22	.092	20	87 0	1 32	916	247	2	2.88	.012	.87	.1	.04	7.9	.5	.06	10
RU0602S019	13 4	296 9	12.4	713	2	230.8	59.3	1347	6 41	106.6	4 7	4 1	4 9	6 2	9	.5	2	103	.07	.101	25	55 5	95	235	130	<1	1.99	.006	.47	2	.04	6.3	.4<	.05	11
RU0602S020	2 5	76 2	6 9	136	2	40 9	10 8	274	2 46	8.2	1.5	2 2	3 5	17	9	7	2	66	.21	.056	18	38.1	58	433	.075	<1	1.42	.009	.10	.2	.04	5.5	2<	.05	5
RU0602S021	2.5	33 2	6 6	106	.2	28.4	12 1	317	3.21	7 8	1 1	1 6	3 5	17	.4	5	.2	68	.16	.097	14	35.2	65	191	.097	<1	1.83	.012	.22	.3	.02	3 0	.2<	.05	5
RU0602S022	2 0	33.0	6.1	112	2	28 2	18.1	273	2.72	5.8	1.0	2 2	3 3	18	3	.4	2	60	.13	.031	12	33 5	65	207	.099	<1	1.91	.012	.23	.1	.02	3 4	2<	.05	6
STANDARD DS3	8 9	122 8	31.2	162	.3	36 5	11 8	765	3.35	32.0	6.3	19 4	3 9	29	5.9	4 9	5.4	76	.52	.097	18	176 0	.57	142	.086	1	1.85	.036	.15	3.6	22	4.1	1.2<	.05	6

Sample type: SOIL SS80 60C.



GEOCHEMICAL ANALYSIS CERTIFICATE



Klondike Exploration File # A205250 Page 1

Box 213, Dawson City YT Y0B 1G0

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																		
BOX 10050E	6	48	2	83	6	197	< 1	32	0	17	1	898	3	79	4	1	1	3	1	3	9	8	22	6	8	1	57	54	096	40	70	7	1	62	144	147	1	1	83	003	08	2	01	5	5	2	<	05	8				
BOX 15012E	6	27	9	42	5	178	< 1	34	5	24	6	1006	3	82	3	1	7	<	5	4	7	23	4	4	<	1	48	65	124	18	67	9	2	30	58	116	<	1	2	24	002	08	2	<	01	4	7	2	<	05	8		
BOX 50-000E	1	10	2	15	1	79	< 1	21	4	13	3	401	1	81	1	1	1	3	1	1	16	3	17	1	3	1	20	33	050	27	46	7	1	43	60	073	<	1	1	28	001	06	1	<	01	3	1	1	<	05	4		
BOX 75-12E	6	24	3	42	9	130	1	18	6	18	2	932	3	59	1	4	8	<	5	3	6	18	2	3	1	48	68	192	9	31	4	2	07	54	082	<	1	1	85	002	12	1	<	01	6	0	1	<	05	8			
-RN 7493567190	2	7	75	4	6	9	239	2	62	9	22	5	583	2	47	6	7	1	4	2	0	3	5	16	1	1	5	2	61	23	043	14	34	2	61	326	081	<	1	1	31	008	14	1	02	3	9	2	<	05	5		
-RN 7499067150	5	8	61	0	6	2	189	3	37	5	9	1	278	3	08	4	3	1	4	2	1	3	0	21	5	5	1	75	16	062	12	42	6	68	296	089	<	1	1	60	007	25	1	<	01	3	3	2	<	05	5		
-RN 7501567160	5	0	78	3	7	0	284	4	80	6	26	6	433	3	02	4	5	2	9	2	3	0	21	1	7	6	2	92	28	091	18	39	0	58	448	059	<	1	1	50	007	12	3	03	3	8	1	<	05	5			
-RN 7513567630	4	2	95	2	5	6	155	2	31	7	7	9	266	3	60	2	9	2	3	1	7	2	7	17	4	3	2	59	14	050	11	34	4	65	219	100	<	1	1	50	008	38	1	<	01	3	1	5	<	05	5		
-RN 7542067725	6	3	119	9	9	6	486	5	111	5	10	9	526	4	22	1	0	5	8	3	6	5	7	61	3	3	3	2	110	47	084	20	64	3	1	28	357	167	1	2	34	014	62	1	<	01	5	4	3	13	7		
-RN 7577168436	8	25	3	8	2	72	2	48	6	12	8	494	2	66	4	5	9	5	3	8	34	1	2	2	77	35	031	12	77	0	1	09	373	157	<	1	2	14	011	32	1	<	01	4	8	2	<	05	7				
-RN 7588368241	7	48	9	7	1	72	< 1	55	2	14	4	367	2	70	7	9	1	0	2	5	4	1	17	1	4	2	68	20	026	14	51	0	73	279	127	<	1	1	79	009	18	1	<	01	5	1	1	<	05	6			
-RN 7597668064	5	29	2	4	6	47	1	23	4	7	1	268	1	72	3	6	7	1	4	2	2	17	1	2	1	44	34	039	8	32	0	50	274	081	<	1	1	09	006	13	1	<	01	3	0	1	<	05	4				
-RN 7601067050	3	7	54	6	6	1	78	6	14	1	3	9	206	2	14	2	1	1	8	7	2	1	29	4	3	2	66	10	085	10	34	7	53	221	051	<	1	1	15	008	13	2	<	01	2	0	2	07	5				
-RN 7603767170	4	0	48	3	8	3	72	5	26	0	8	6	304	2	73	7	1	2	4	50	4	3	0	18	3	6	2	76	15	064	13	40	3	65	299	070	<	1	1	70	009	12	2	03	4	4	2	<	05	6			
-RN 7608167850	1	2	59	0	5	1	183	2	87	9	22	6	545	3	30	3	3	1	8	1	6	2	6	66	8	2	1	124	1	57	099	13	104	3	1	36	832	201	<	1	2	28	021	32	1	<	01	6	3	2	<	05	8
-RN 7615067870	7	36	2	5	7	68	< 1	37	4	11	9	332	2	42	6	1	6	3	5	3	2	11	2	3	1	56	12	024	11	43	0	65	239	101	<	1	1	89	005	09	1	<	01	3	0	1	<	05	6				
-RN 7619067250	9	91	8	4	8	165	1	182	7	42	2	728	4	05	6	8	8	1	9	5	0	119	2	4	1	96	44	059	19	202	4	1	70	1957	385	<	1	3	53	023	29	2	<	01	4	9	2	<	05	9			
-RN 7620067620	3	4	65	3	8	6	92	5	29	8	9	4	310	2	93	8	3	2	6	1	5	3	2	29	2	5	2	75	18	059	15	43	1	55	260	055	<	1	1	86	007	06	2	06	4	5	1	<	05	5			
-RN 7620067760	1	1	72	7	3	3	100	3	113	0	31	3	616	5	39	1	5	8	1	3	3	2	35	1	1	<	163	87	159	19	158	9	2	22	1023	364	<	1	3	40	045	78	<	1	01	7	7	4	<	05	12		
-RN 7621067320	1	5	56	2	4	9	376	2	141	5	28	4	543	4	00	4	5	1	1	3	1	3	4	27	8	3	1	123	42	077	17	90	8	1	50	1250	258	<	1	2	79	012	35	1	01	7	8	2	<	05	9		
-RN 7621067525	1	5	28	9	6	7	68	1	25	7	8	9	228	2	97	4	9	1	0	1	1	2	7	11	4	3	2	74	12	043	10	43	1	81	269	120	<	1	2	03	010	39	1	01	3	3	3	<	05	6			
-RN 7622067415	1	7	41	1	5	0	72	1	15	8	5	5	321	2	88	3	4	8	9	2	0	13	1	2	1	57	09	026	8	42	7	1	16	414	165	<	1	2	13	011	64	1	<	01	3	6	3	<	05	7			
RE RN 7622067415	1	8	40	6	4	9	73	1	17	3	5	6	296	2	80	3	6	8	<	5	1	9	13	1	2	2	55	09	026	8	43	0	1	11	408	160	<	1	2	08	011	63	1	<	01	3	4	3	<	05	7		
SM 8636004042	2	58	5	92	4	95	< 1	15	0	20	3	614	3	24	1	3	5	9	2	0	43	1	1	6	96	31	016	9	292	0	2	10	131	118	<	1	2	24	016	14	<	1	<	01	8	3	2	<	05	8			
SM 8645220415	7	42	4	26	0	73	< 1	19	0	14	7	639	4	14	7	0	1	0	2	9	4	2	34	<	1	5	3	128	41	030	18	31	5	61	216	058	<	1	2	00	022	08	1	01	13	7	1	<	05	7			
SM 8652904223	3	4	8	5	8	42	< 1	4	8	3	1	127	1	14	3	0	1	4	8	3	9	9	<	1	1	<	1	34	07	014	6	9	7	13	65	019	<	1	71	004	01	1	01	1	4	<	1	<	05	2			
SM 8658404311	<	1	1	5	1	8	18	<	1	1	1	4	92	40	6	4	1	0	2	7	4	<	1	<	1	<	1	10	03	004	4	2	6	03	24	002	<	1	23	002	01	<	1	<	01	8	<	1	<	05	1		
SM 8667804401	7	13	0	5	7	51	< 1	17	2	7	7	349	2	05	5	5	6	1	0	2	5	12	1	3	1	56	13	030	8	24	6	34	108	050	<	1	1	52	006	03	1	01	2	9	<	1	<	05	4				
SM 8682704454	8	36	2	13	9	89	< 1	20	1	10	6	582	3	48	10	9	1	2	1	2	4	6	27	1	5	2	85	23	024	18	41	3	58	255	068	<	1	2	05	010	06	1	02	9	3	1	<	05	6				
SM 8688804525	9	36	0	9	4	84	&																																														

PROJECT TWENTY MILE

TW 1-16 CLAIMS

SUMMARY

The Twenty Mile project was visited in early September. Scott Fleming and I flew into the area for a period of three days. We took soil and silt samples around a potassium high located in a large intrusion. The model sought after was intrusion gold. Prospecting revealed an area of sheeted quartz vein in the potassic high area. We ran over 100 soil and silt samples. The results were disappointing with no gold anomalies found.

LOCATION

The TW 1-16 claims are located 60 kilometers south west of Dawson City. The claim block is located in the Dawson Mining District. The NTS sheet is 115 N9. The latitude is 63°35' north and longitude 140°15' west.

ACCESS

Access can be attained via helicopter from Dawson City. It's a 5-hour helicopter ride to the property.

GEOLOGY

The area is located in a large Thorium/ Potassium low area. This signature is the same signature as the intrusion found above Sestax creek and Ten Mile creek. I walked a large area of the Thorium / Potassium low and it was mostly intrusion consisting of a biotite granodiorite. I also noted a small pegmatite vein in the intrusion. The area of potassium high also had an area of sheeted quartz vein.

WORK PERFORMED

The program started by dropping our gear off in a base camp area at the mouth of the creek. Scott was dropped off near the head of the creek and came back down the creek and took soils across a potassium anomaly and also took silts of the various creeks draining into the main creek. I got dropped off on the ridge top east of the creek. I staked some claims and took soils on the claim line every 100 meters. The next day I continued staking and taking soils and Scott worked the western ridge top above the creek taking soils. The last day, Scott finished taking soils along main creek drainage and I ran a traverse taking soils on 100 meter interval and headed south on the ridge top east of the creek. The helicopter came in and managed to get us out of a wet foggy day.

EVALUATION

The program was successful in finding a nice area of sheeted quartz vein in the intrusion. The geochem gave disappointing gold results. The assay did reveal an area of anomalous high lead, bismuth and arsenic but no gold.

RECOMMENDATION

I would recommend follow-up of the anomalous lead, bismuth and arsenic anomaly. Even though no gold was found I feel the area deserves a second look.

115 N/09	115 N/10	115 N/11
115 N/08	115 N/09	115 N/10
115 N/07	115 N/08	115 N/09



- Topographic
- Boundary
- Settlement
- Water
- Vegetation
- Infrastructure
- Other

115 N/09

LATITUDE 63°30' TO 63°45'

LONGITUDE 142°00' TO 142°15'



Control Number: 115 N/09

Sheet Size: 7 1/2 x 10 1/2

NOTE: This map is based on the 1984 datum. The map is not to be used for navigation purposes. The map is not to be used for navigation purposes. The map is not to be used for navigation purposes.

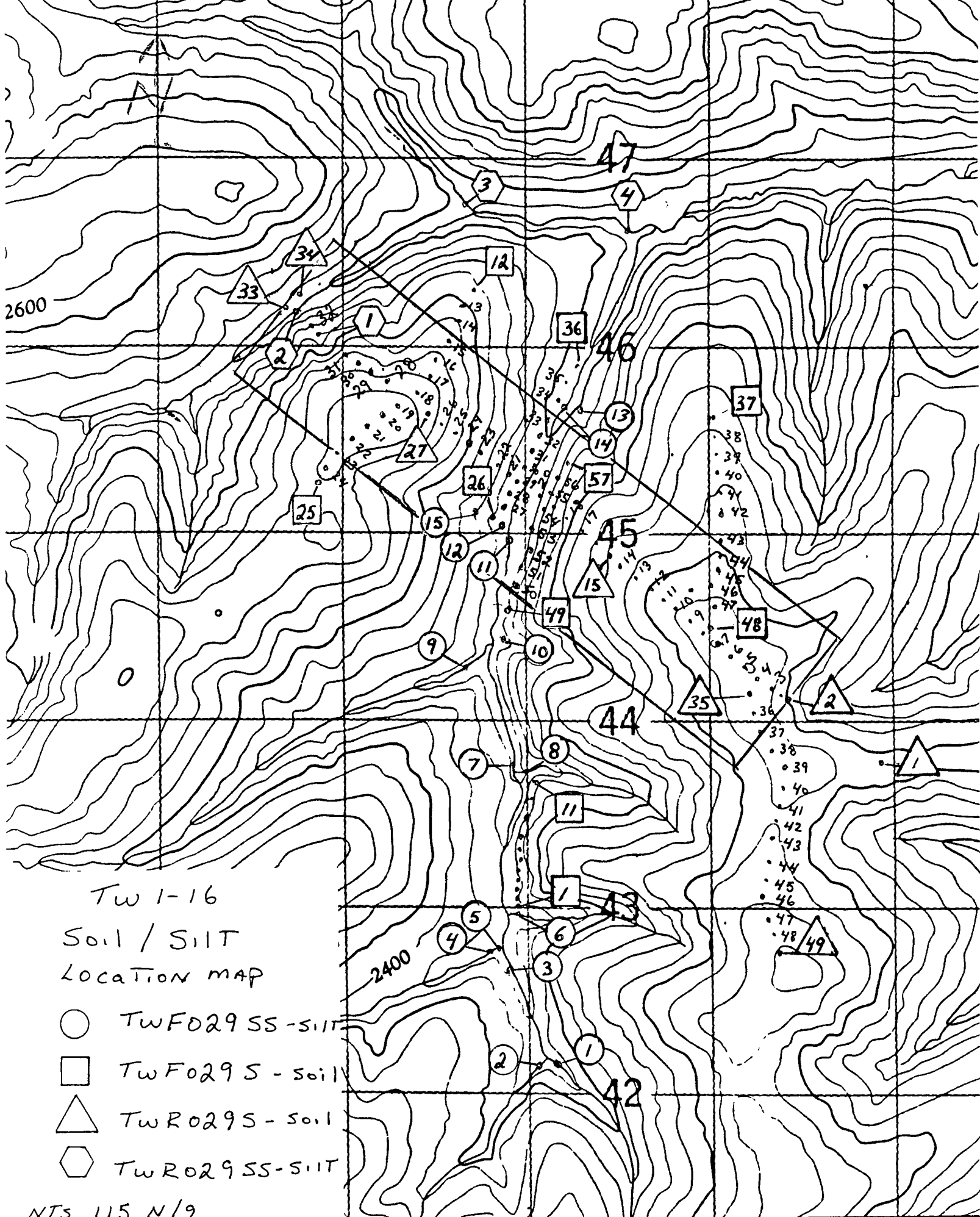
Legend: This map is based on the 1984 datum. The map is not to be used for navigation purposes. The map is not to be used for navigation purposes. The map is not to be used for navigation purposes.

Canada

DAWSON MINING DISTRICT

NOVEMBER 12 2002

115 N/09





ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

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Phone 775 356 5395 Fax 775 355 0179

To KENNECOTT EXPLORATION COMPANY

224 NORTH 2200 WEST

SALT LAKE CITY UT 84116

Page # 1

Date 24-Oct-2002

Account QWU

CERTIFICATE VA02004568

Project ~~Tw Claims~~ *Tw Claims AREA*
P O No

This report is for 117 SOIL samples submitted to our lab in North Vancouver, BC,
Canada on 9-Oct-2002

The following have access to data associated with this certificate

R PRESNELL

R FRANKLIN

SHAWN RYAN

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SCR-42	Screen to -180 um, discard plus

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	47 element four acid ICP-MS	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP61i	ICP-AES elements for ME-MS61	ICP-AES
ME-MS61i	ICP-MS elements for ME-MS61	ICP-MS

*\$ 4757.22 For Assay
WORK*

To KENNECOTT EXPLORATION COMPANY
ATTN: SHAWN RYAN
224 NORTH 2200 WEST
SALT LAKE CITY UT 84116

This is the Final Report and supersedes any preliminary report with this
certificate number Results apply to samples as submitted All pages of this
report have been checked and approved for release

Signature



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Page # 2 - A

Total # of pages - 4 (A-D)

Date 24-Oct-2002

Account QWU

Project Lucky Joe

CERTIFICATE OF ANALYSIS VA02004568

Sample Description	Method Analyte Unit# Lot#	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 0.5	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
TWF029S01		0.42	0.10	9.91	2.0	1090	1.76	0.15	1.24	0.08	47.5	9.5	41	2.12	14.1	5.70
TWF029S02		0.38	0.08	9.62	3.8	1320	1.76	0.17	1.37	0.10	34.6	10.7	40	2.19	15.9	4.58
TWF029S03		0.36	0.10	9.63	3.1	1090	1.66	0.13	1.74	0.07	70.7	13.7	63	2.30	18.7	5.13
TWF029S04		0.38	0.10	9.70	2.9	1270	1.45	0.12	2.39	0.10	50.1	16.0	69	2.18	20.6	5.30
TWF029S05		0.42	0.06	11.45	3.3	1300	1.23	0.10	2.16	0.09	39.5	12.9	90	2.10	16.6	5.73
TWF029S06		0.36	0.11	10.70	1.6	1370	1.20	0.14	2.82	0.08	47.5	17.0	105	2.32	28.2	6.19
TWF029S07		0.32	0.07	9.14	1.8	1200	1.68	0.13	1.12	0.15	40.9	9.7	35	3.76	15.0	3.74
TWF029S08		0.30	0.17	9.55	2.9	1060	1.39	0.22	1.80	0.11	50.8	16.0	68	3.35	29.5	5.62
TWF029S09		0.30	0.10	8.76	3.8	890	1.27	0.16	2.62	0.21	46.0	22.4	76	2.93	50.1	5.78
TWF029S10		0.38	0.19	8.41	4.1	1290	1.33	0.12	1.95	0.21	50.4	10.4	33	6.63	26.3	3.70
TWF029S11		0.36	0.07	10.65	3.7	1720	1.57	0.12	1.79	0.06	49.7	12.6	58	5.26	24.1	5.01
TWF029S12		0.28	0.09	9.05	4.4	1010	1.59	0.12	1.79	0.13	35.3	9.9	51	3.70	14.5	4.91
TWF029S13		0.40	0.06	8.87	8.5	1390	1.49	0.16	0.86	0.10	31.3	8.7	46	5.46	12.2	4.30
TWF029S14		0.40	0.06	8.43	10.3	1230	1.58	0.12	0.94	0.08	39.2	10.2	46	9.65	17.8	3.43
TWF029S15		0.38	0.09	8.18	14.3	940	1.43	0.28	1.05	0.15	41.8	11.2	66	4.47	19.6	4.76
TWF029S16		0.34	0.05	9.75	17.1	1240	1.62	0.15	1.21	0.11	41.7	12.5	66	4.40	22.9	4.61
TWF029S17		0.42	0.07	9.68	8.4	1170	1.58	0.15	1.86	0.07	48.5	12.5	72	3.36	18.0	4.62
TWF029S18		0.36	0.09	9.34	12.3	1010	1.37	0.17	1.18	0.11	37.9	9.4	63	4.19	16.2	5.17
TWF029S19		0.36	0.07	8.35	7.8	1020	1.69	0.17	1.45	0.13	49.1	9.0	58	3.70	18.1	3.73
TWF029S20		0.40	0.04	8.86	12.5	1190	2.06	0.15	1.44	0.09	52.1	10.3	53	3.67	21.9	3.76
TWF029S21		0.34	0.05	9.84	10.2	1090	2.38	0.21	0.99	0.13	42.5	12.2	53	3.12	22.9	4.01
TWF029S22		0.38	0.06	9.07	10.1	1260	2.10	0.15	1.35	0.07	70.2	12.4	66	3.62	33.0	4.42
TWF029S23		0.32	0.02	10.10	32.6	1650	3.06	0.08	0.53	0.03	46.1	7.6	26	12.90	13.0	2.93
TWF029S24		0.36	0.06	10.40	4.2	1610	1.97	0.07	0.77	0.10	18.40	12.4	28	12.80	8.8	3.56
TWF029S25		0.36	0.07	7.90	11.3	890	1.90	0.15	1.11	0.09	54.6	10.8	55	4.80	30.0	3.81
TWF029S26		0.32	0.39	9.82	3.3	1710	1.33	0.08	1.07	0.15	31.6	5.9	35	3.11	11.3	3.21
TWF029S27		0.40	0.13	9.87	5.7	1360	4.31	0.12	1.36	0.20	120.0	13.1	43	7.53	23.4	5.64
TWF029S28		0.48	0.11	10.80	6.8	1320	2.43	0.12	2.10	0.15	55.6	9.4	58	5.69	30.5	4.19
TWF029S29		0.34	0.10	7.65	6.7	960	2.38	0.10	1.49	0.14	44.0	8.1	35	3.98	16.2	3.02
TWF029S30		0.34	0.10	8.23	9.1	1240	4.40	0.07	1.77	0.29	72.4	11.9	36	7.31	19.0	3.82
TWF029S31		0.36	0.18	8.37	9.7	1270	2.32	0.14	1.99	0.17	59.4	12.2	53	3.09	23.5	3.87
TWF029S32		0.38	0.25	7.60	7.4	1010	1.73	0.16	2.56	0.24	55.3	14.8	56	2.97	35.4	3.72
TWF029S33		0.32	0.15	7.17	5.0	1040	1.64	0.12	2.07	0.16	53.9	11.9	52	2.95	27.7	3.32
TWF029S34		0.38	0.09	8.71	6.6	1020	1.55	0.15	2.09	0.23	52.1	14.1	64	2.86	26.2	4.25
TWF029S35		0.40	0.06	9.23	5.2	1010	1.91	0.19	1.32	0.22	52.1	11.0	47	5.94	26.1	4.58
TWF029S36		0.50	0.11	9.26	5.8	1090	1.55	0.15	2.14	0.25	51.5	14.0	65	4.99	21.0	4.61
TWF029S37		0.34	0.43	8.69	6.7	1320	2.09	0.17	1.15	0.14	42.6	8.4	47	8.34	23.3	3.52
TWF029S38		0.38	0.10	7.47	11.7	1400	1.69	0.07	1.61	0.07	57.0	13.8	64	3.28	35.6	3.75
TWF029S39		0.36	0.11	9.46	5.3	1500	2.92	<0.01	0.77	0.06	39.2	7.9	25	8.37	16.4	2.62
TWF029S40		0.34	0.10	7.55	8.5	1190	1.84	0.04	1.60	0.08	63.7	11.9	51	3.79	26.5	3.41

Comments: REE's may not be totally soluble in MS61 method



ALS Chemex

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To KENNECOTT EXPLORATION COMPANY

224 NORTH 2200 WEST

SALT LAKE CITY UT 84116

Page # 2 - B

Total # of pages : 4 (A-D)

Date 24-Oct-2002

Account QWU

Project Lucky Joe

CERTIFICATE OF ANALYSIS VA02004568

Sample Description	Method Analyte Unit LOI	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 NP ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
TWF029S01		18.30	0.29	1.2	0.068	2.10	19.8	33.5	1.82	580	2.10	3.14	8.9	13.9	320	28.3
TWF029S02		18.30	0.24	1.3	0.061	2.43	15.9	26.8	1.97	638	0.63	2.62	8.3	16.7	280	12.0
TWF029S03		19.20	0.34	1.6	0.070	2.29	23.8	32.3	2.03	650	1.21	2.66	9.9	22.1	590	12.4
TWF029S04		17.30	0.29	1.5	0.058	2.18	25.4	27.6	2.44	756	0.93	2.47	9.5	22.6	330	10.5
TWF029S05		15.20	0.26	1.5	0.049	2.27	18.0	31.4	2.37	768	0.96	2.71	4.3	30.6	210	14.1
TWF029S06		15.90	0.32	1.5	0.057	1.77	32.0	33.0	2.62	999	0.68	2.85	4.6	35.3	390	10.1
TWF029S07		19.00	0.31	1.6	0.057	2.66	17.6	25.8	1.51	540	1.49	2.31	11.2	17.2	320	12.4
TWF029S08		17.60	0.28	1.1	0.058	2.07	26.9	33.5	1.73	921	1.25	2.02	6.0	27.5	300	15.0
TWF029S09		17.30	0.26	1.5	0.058	1.37	20.5	27.6	2.21	1300	0.88	2.04	3.5	35.0	540	10.5
TWF029S10		16.90	0.27	1.0	0.043	1.72	35.2	19.8	0.98	884	0.93	1.82	6.5	19.2	560	13.4
TWF029S11		18.30	0.27	1.1	0.055	1.80	26.8	24.2	1.51	650	0.66	2.72	6.6	23.6	330	15.3
TWF029S12		17.20	0.27	1.5	0.052	1.66	21.7	19.6	0.94	573	0.28	2.66	1.2	19.2	340	27.3
TWF029S13		22.3	0.27	1.7	0.052	1.66	16.4	24.7	0.72	419	1.02	2.85	8.4	18.9	320	25.3
TWF029S14		17.10	0.24	1.7	0.045	2.10	21.3	25.7	0.76	448	0.91	1.90	9.3	25.9	290	17.2
TWF029S15		18.70	0.27	1.6	0.047	1.38	21.6	28.9	0.84	459	1.51	1.95	3.8	27.2	380	21.3
TWF029S16		16.70	0.22	1.6	0.055	1.70	21.1	23.3	0.91	492	1.14	2.65	7.8	30.1	320	20.8
TWF029S17		15.70	0.29	1.8	0.052	1.78	25.9	25.2	1.20	623	0.86	2.45	5.3	29.0	470	19.0
TWF029S18		18.30	0.26	1.7	0.047	1.98	20.9	25.6	0.93	515	1.43	2.28	8.5	26.3	370	21.6
TWF029S19		15.50	0.30	1.5	0.042	2.04	25.4	25.0	0.95	555	0.56	2.26	2.8	21.9	530	47.8
TWF029S20		17.30	0.31	2.2	0.046	2.71	28.8	23.7	0.95	667	0.62	2.45	5.1	26.5	440	35.2
TWF029S21		17.80	0.25	2.0	0.051	2.39	23.4	27.1	0.77	431	0.64	2.27	2.1	31.6	210	92.8
TWF029S22		17.80	0.30	2.5	0.054	1.88	35.4	25.3	1.02	665	1.04	2.23	5.3	34.4	240	18.5
TWF029S23		24.6	0.23	2.1	0.048	2.27	28.8	28.2	0.38	433	0.42	2.80	13.0	17.5	260	31.6
TWF029S24		20.6	0.21	1.2	0.061	2.00	7.5	26.0	0.54	1075	0.78	3.44	10.3	12.7	800	24.2
TWF029S25		17.10	0.28	1.8	0.052	1.51	30.4	27.2	0.86	428	0.78	1.90	2.0	33.5	220	17.2
TWF029S26		16.00	0.23	1.3	0.035	2.24	17.9	18.3	0.55	343	0.87	3.22	7.4	13.8	300	18.2
TWF029S27		26.8	0.32	1.5	0.066	2.64	47.9	25.0	0.97	984	1.02	3.05	16.6	24.2	1140	37.1
TWF029S28		17.50	0.26	1.9	0.050	2.31	32.0	34.0	1.03	642	0.88	2.58	8.8	25.3	550	20.3
TWF029S29		18.30	0.30	1.7	0.041	2.23	28.6	25.5	0.67	407	1.09	1.78	7.2	19.2	360	17.4
TWF029S30		23.4	0.38	3.2	0.062	3.31	44.1	55.1	2.68	644	0.52	1.35	12.7	25.1	1290	29.3
TWF029S31		16.30	0.31	2.6	0.050	2.04	30.3	26.0	0.95	812	0.84	2.44	6.6	27.7	570	21.4
TWF029S32		16.20	0.31	1.9	0.049	1.43	31.3	22.6	1.15	791	0.66	2.10	1.9	36.3	740	18.3
TWF029S33		15.50	0.30	2.0	0.048	1.53	29.5	22.6	1.07	670	0.57	2.04	2.8	29.9	670	15.2
TWF029S34		16.10	0.31	1.6	0.052	1.55	28.1	25.2	1.19	833	0.67	2.37	1.2	27.0	470	15.7
TWF029S35		18.00	0.26	1.6	0.078	2.26	27.0	18.1	0.90	698	1.02	2.73	8.2	18.6	590	16.6
TWF029S36		17.50	0.31	1.8	0.059	1.67	25.4	24.5	1.33	831	1.13	2.33	6.5	28.4	690	15.7
TWF029S37		22.1	0.27	1.8	0.052	1.65	24.4	18.7	0.73	380	0.82	1.79	3.1	22.0	270	52.0
TWF029S38		16.70	0.28	2.6	0.049	1.30	32.6	23.4	1.01	542	1.05	1.92	7.0	36.4	280	16.2
TWF029S39		22.4	0.22	1.5	0.043	2.85	21.8	13.0	0.48	642	0.63	2.49	10.2	16.7	340	35.1
TWF029S40		17.20	0.29	2.0	0.052	1.40	39.7	21.8	0.98	528	0.62	2.15	7.5	29.2	420	18.5

Comments REE's may not be totally soluble in MS61 method



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Total # of Pages - 4 (A-D)

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Project Lucky Joe

CERTIFICATE OF ANALYSIS VA02004568

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
TWF029S01		110.0	<0.002	<0.01	0.26	2	3.7	296	0.08	<0.05	10.3	0.57	0.41	2.8	108	0.6
TWF029S02		120.0	<0.002	<0.01	0.16	1	2.8	287	0.10	<0.05	9.7	0.48	0.49	1.6	118	0.3
TWF029S03		110.0	<0.002	<0.01	0.16	1	3.2	256	0.25	<0.05	14.2	0.55	0.41	2.0	113	0.4
TWF029S04		100.0	<0.002	<0.01	0.31	1	2.0	295	0.44	<0.05	10.3	0.61	0.39	1.6	148	0.4
TWF029S05		120.0	<0.002	<0.01	0.14	1	2.3	319	<0.05	<0.05	8.0	0.70	0.37	1.3	150	0.2
TWF029S06		56.7	<0.002	<0.01	0.16	2	1.7	390	0.06	<0.05	8.4	0.75	0.34	1.9	167	0.1
TWF029S07		130.0	<0.002	0.01	0.65	1	3.0	185.0	0.55	<0.05	11.1	0.44	0.51	1.7	93	0.6
TWF029S08		120.0	<0.002	<0.01	0.30	1	1.7	270	0.11	<0.05	9.3	0.56	0.48	1.7	165	0.3
TWF029S09		66.9	<0.002	<0.01	0.10	1	1.5	315	<0.05	<0.05	6.8	0.60	0.33	1.6	165	0.1
TWF029S10		86.8	<0.002	0.05	1.51	2	1.1	345	0.25	<0.05	8.1	0.34	0.43	2.4	109	0.4
TWF029S11		100.0	<0.002	<0.01	0.87	2	1.2	357	0.16	<0.05	7.4	0.51	0.50	1.7	162	0.2
TWF029S12		44.4	<0.002	<0.01	0.14	1	0.9	430	<0.05	<0.05	7.4	0.55	0.32	1.6	121	<0.1
TWF029S13		66.1	<0.002	<0.01	0.59	1	1.8	554	0.13	<0.05	5.9	0.47	0.42	1.9	143	0.2
TWF029S14		86.6	<0.002	<0.01	1.57	1	1.4	396	0.40	<0.05	7.0	0.37	0.45	1.8	115	0.4
TWF029S15		88.3	<0.002	<0.01	0.46	1	1.7	305	<0.05	<0.05	7.3	0.50	0.44	2.0	153	0.2
TWF029S16		52.0	<0.002	<0.01	0.40	1	1.5	458	0.20	<0.05	8.8	0.50	0.38	2.1	149	0.3
TWF029S17		54.0	<0.002	<0.01	0.49	2	1.5	371	<0.05	<0.05	7.7	0.59	0.39	2.2	168	0.3
TWF029S18		65.1	<0.002	<0.01	0.72	1	1.6	282	0.28	<0.05	5.9	0.55	0.38	1.7	184	0.5
TWF029S19		83.6	<0.002	<0.01	0.24	1	1.4	330	<0.05	<0.05	7.6	0.49	0.36	2.0	136	0.1
TWF029S20		76.5	<0.002	<0.01	0.61	2	1.7	304	<0.05	<0.05	7.6	0.51	0.47	2.3	149	0.3
TWF029S21		74.7	<0.002	<0.01	0.44	1	1.6	257	<0.05	<0.05	8.3	0.47	0.44	2.1	151	0.1
TWF029S22		66.5	<0.002	<0.01	0.63	2	1.7	433	0.06	<0.05	11.8	0.51	0.47	3.3	156	0.2
TWF029S23		71.1	<0.002	<0.01	0.71	1	1.9	534	0.48	<0.05	9.3	0.32	0.49	3.1	97	0.6
TWF029S24		86.3	<0.002	0.01	0.41	1	1.7	601	0.53	<0.05	4.8	0.30	0.34	1.6	98	0.5
TWF029S25		59.1	<0.002	<0.01	0.45	2	1.2	319	<0.05	<0.05	8.1	0.43	0.50	2.1	131	0.1
TWF029S26		52.4	<0.002	0.01	0.53	1	1.2	605	0.13	<0.05	4.5	0.39	0.34	1.2	100	0.3
TWF029S27		86.5	<0.002	<0.01	0.65	2	2.6	509	0.75	<0.05	20.7	0.50	0.42	3.2	126	0.7
TWF029S28		62.1	<0.002	0.01	0.59	2	1.4	537	0.43	<0.05	8.8	0.46	0.38	2.5	138	0.5
TWF029S29		68.4	<0.002	0.01	0.77	1	1.6	342	0.15	<0.05	7.4	0.33	0.40	2.2	107	0.5
TWF029S30		87.5	<0.002	0.01	0.87	2	2.8	466	0.44	<0.05	11.3	0.43	0.41	2.8	128	0.8
TWF029S31		85.4	<0.002	0.01	0.46	1	1.5	481	0.11	<0.05	10.2	0.44	0.37	2.4	127	0.3
TWF029S32		59.8	<0.002	0.02	0.38	2	1.4	426	<0.05	<0.05	9.5	0.46	0.38	3.0	123	0.1
TWF029S33		54.0	<0.002	0.01	0.42	2	1.3	618	<0.05	<0.05	9.2	0.44	0.34	3.0	116	0.1
TWF029S34		67.3	0.002	<0.01	0.20	1	1.1	430	<0.05	<0.05	8.6	0.51	0.36	3.2	140	0.1
TWF029S35		87.5	<0.002	<0.01	0.79	2	1.7	299	0.30	<0.05	9.2	0.42	0.40	1.9	110	0.5
TWF029S36		76.5	<0.002	<0.01	0.64	2	1.5	360	0.12	<0.05	7.9	0.55	0.41	1.9	157	0.5
TWF029S37		100.0	<0.002	<0.01	0.45	1	1.3	263	<0.05	<0.05	7.4	0.45	0.58	1.7	122	0.2
TWF029S38		59.0	<0.002	<0.01	0.60	2	1.3	317	0.27	<0.05	9.2	0.43	0.39	2.1	132	0.3
TWF029S39		130.0	<0.002	<0.01	2.52	1	1.4	343	0.53	<0.05	9.5	0.26	0.64	2.4	77	0.9
TWF029S40		57.6	<0.002	<0.01	0.52	2	1.4	395	0.26	<0.05	10.4	0.42	0.35	2.4	121	0.3

Comments: REE's may not be totally soluble in MS61 method



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age # 2 - D

Total # of pages 4 (A - D)

Date: 24-Oct-2002

Account: QWU

Project: Lucky Joe

CERTIFICATE OF ANALYSIS

VA02004568

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-ICP21 Au ppm 0.001
TWF029S01		11.9	99	41.4	0.004
TWF029S02		10.2	116	42.6	0.002
TWF029S03		16.1	111	59.9	0.001
TWF029S04		14.6	118	53.5	0.001
TWF029S05		8.9	151	54.2	0.002
TWF029S06		27.7	126	54.3	0.001
TWF029S07		10.3	89	56.7	0.001
TWF029S08		11.5	116	39.6	0.002
TWF029S09		13.3	119	58.7	0.002
TWF029S10		24.3	125	28.0	0.003
TWF029S11		18.0	134	37.1	0.003
TWF029S12		10.4	125	67.7	0.003
TWF029S13		8.3	129	65.6	0.001
TWF029S14		9.6	102	61.6	0.004
TWF029S15		8.9	108	61.5	0.001
TWF029S16		9.3	117	57.0	0.003
TWF029S17		11.4	121	57.6	0.003
TWF029S18		8.1	116	57.5	0.001
TWF029S19		11.6	103	65.3	0.003
TWF029S20		15.2	103	101.6	0.003
TWF029S21		8.8	111	64.7	0.002
TWF029S22		20.2	120	116.0	0.004
TWF029S23		12.2	97	61.1	0.002
TWF029S24		5.8	108	32.0	0.001
TWF029S25		24.2	93	68.6	0.003
TWF029S26		7.3	97	43.3	0.001
TWF029S27		27.7	199	69.2	0.003
TWF029S28		21.1	123	61.1	0.003
TWF029S29		15.3	121	67.2	0.001
TWF029S30		21.4	242	119.0	0.002
TWF029S31		15.7	126	78.2	0.005
TWF029S32		16.6	114	73.4	0.004
TWF029S33		16.0	107	73.0	0.004
TWF029S34		12.7	129	58.2	0.003
TWF029S35		11.5	264	54.2	0.003
TWF029S36		12.3	135	55.9	0.003
TWF029S37		10.1	101	68.7	0.003
TWF029S38		21.2	94	71.6	0.006
TWF029S39		17.2	82	47.5	0.003
TWF029S40		18.4	96	67.0	0.003

Comments: REEs may not be totally soluble in MS61 method



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Total # of pages : 4 (A-D)

Date 24-Oct-2002

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Project Lucky Joe

CERTIFICATE OF ANALYSIS

VA02004568

Sample Description	Method Analyte Unit LOF	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 0.5	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cu ppm 0.05	ME-MS61 Fe ppm 0.01
TWR029S24		0.44	0.09	7.90	9.7	990	1.49	0.03	1.83	0.09	43.2	10.7	53	2.95	16.8
TWR029S26		0.40	0.12	7.78	9.8	970	1.50	0.06	1.57	0.10	46.9	13.3	51	2.90	17.7
TWR029S28		0.40	0.12	8.42	9.7	960	1.30	0.05	1.48	0.09	42.5	10.8	50	2.70	17.3
TWR029S27		0.32	0.07	8.30	12.0	970	1.69	0.07	1.35	0.17	42.9	12.3	53	4.49	17.9
TWR029S28		0.46	0.06	9.52	32.5	990	1.52	0.11	0.98	0.15	40.0	11.4	61	6.34	12.8
TWR029S29		0.44	0.08	9.71	38.5	1120	2.10	0.10	1.02	0.19	69.0	14.9	56	5.12	19.3
TWR029S30		0.40	0.05	9.34	17.6	1090	2.04	0.06	1.04	0.16	44.5	11.3	56	6.42	14.9
TWR029S31		0.44	0.05	9.52	28.5	1000	1.72	0.05	0.97	0.17	42.2	10.4	42	12.20	11.8
TWR029S32		0.38	0.10	7.30	8.3	840	1.55	0.09	1.43	0.16	38.0	7.4	26	2.40	19.6
TWR029S33		0.40	0.10	7.14	9.0	880	1.41	0.06	2.03	0.16	53.2	14.5	56	2.80	27.2
TWR029S34		0.38	0.13	7.62	9.0	960	2.24	0.05	2.07	0.20	64.9	12.6	53	4.90	31.8
TWR029S35		0.36	0.07	8.27	5.1	960	1.38	<0.01	2.53	0.08	54.0	17.6	65	2.61	23.8
TWR029S36		0.44	0.09	8.40	10.8	820	1.38	0.05	1.02	0.21	40.4	12.4	57	3.20	23.2
TWR029S37		0.48	0.12	9.33	8.8	920	1.49	0.03	0.69	0.14	45.0	14.6	77	6.31	22.7
TWR029S38		0.46	0.04	10.85	2.6	540	1.66	<0.01	0.22	0.05	15.25	6.3	20	7.38	9.5
TWR029S39		0.46	0.10	8.05	7.9	900	0.91	0.05	1.22	0.18	35.3	7.6	33	3.08	11.8
TWR029S40		0.48	0.07	8.39	12.0	910	1.02	0.08	0.99	0.13	38.2	11.5	54	2.72	19.4
TWR029S41		0.46	0.07	7.91	5.5	1300	1.23	0.05	0.92	0.11	30.7	6.2	30	2.38	11.8
TWR029S42		0.56	0.04	8.31	7.7	970	1.24	0.05	0.97	0.11	32.1	8.2	42	2.44	12.6
TWR029S43		0.46	0.08	8.82	9.8	1070	1.58	0.07	1.32	0.10	50.6	17.4	70	2.78	21.0
TWR029S44		0.50	0.06	8.81	2.7	1250	1.31	0.06	0.82	0.05	14.85	5.2	18	1.65	6.6
TWR029S45		0.52	0.04	8.46	5.5	1270	1.27	0.01	1.08	0.12	24.8	8.5	30	1.86	10.2
TWR029S46		0.68	0.05	8.17	7.7	1100	1.07	0.11	0.66	0.11	22.7	6.0	35	3.08	8.4
TWR029S47		0.52	0.06	7.25	7.0	880	1.20	0.06	1.43	0.07	46.7	11.8	63	2.39	18.6
TWR029S48		0.46	0.06	7.28	11.4	890	1.07	0.06	0.93	0.14	30.0	8.4	49	3.25	19.4
TWR029S49		0.48	0.06	9.23	4.4	770	1.24	<0.01	1.67	0.05	46.2	15.6	41	5.22	44.5
TWF029SS09		0.40	0.13	8.53	7.6	920	1.35	0.05	2.27	0.44	53.9	13.6	56	3.93	19.9
TWF029SS10		0.62	0.12	6.96	3.1	800	1.37	<0.01	2.58	0.58	51.0	16.5	58	4.33	30.4
TWF029SS11		0.50	0.12	6.28	7.9	950	1.24	0.17	2.19	0.27	59.1	15.0	50	3.10	21.8
TWF029SS12		0.52	0.06	6.05	4.7	860	1.12	0.10	2.18	0.15	49.9	10.0	53	2.73	13.2
TWF029SS13		0.26	0.09	6.07	6.2	1150	1.77	0.14	1.93	0.27	47.9	11.1	38	4.10	16.9
TWF029SS14		0.32	0.14	5.85	8.8	990	1.42	0.17	2.03	0.35	58.9	16.6	46	3.35	25.7
TWF029SS15		0.34	0.06	6.03	5.1	860	1.25	0.09	2.16	0.15	45.7	10.2	50	2.39	14.2
TWR029SS01		0.42	0.13	6.78	18.2	910	2.37	0.18	1.63	0.34	51.2	9.5	32	9.17	21.4
TWR029SS02		0.30	0.08	6.25	6.5	880	1.41	0.13	2.55	0.20	61.2	13.4	65	2.72	21.3
TWR029SS03		0.38	0.08	5.88	8.6	780	1.35	0.13	2.28	0.26	51.0	13.7	50	2.94	16.5
TWR029SS04		0.34	0.03	6.66	6.9	850	1.46	0.13	2.50	0.20	61.5	14.3	68	3.26	16.3

Comments: REEs may not be totally soluble in MS61 method



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Total # of pages 4 (A - D)

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Project Lucky Joe

CERTIFICATE OF ANALYSIS VA02004568

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 NP ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
TWR029S24		15.90	0.25	1.7	0.047	1.69	24.6	19.8	0.96	636	0.37	2.28	3.0	23.8	290	19.0
TWR029S25		17.30	0.28	2.1	0.051	1.78	27.8	24.2	0.98	614	0.38	2.09	4.0	26.7	350	26.7
TWR029S26		16.20	0.24	1.8	0.044	1.92	23.6	23.5	1.05	566	0.35	2.06	4.4	26.1	270	18.7
TWR029S27		17.90	0.29	2.0	0.050	1.91	23.6	28.2	0.98	554	0.56	2.02	2.9	27.6	600	34.2
TWR029S28		19.40	0.24	2.2	0.062	2.14	22.3	32.9	0.90	923	0.72	1.69	6.9	22.5	620	63.1
TWR029S29		19.90	0.28	2.6	0.062	2.09	34.4	36.7	0.89	780	0.48	1.75	8.2	28.7	460	36.0
TWR029S30		18.60	0.25	2.5	0.060	2.12	25.8	33.5	0.96	500	0.57	2.29	9.9	22.7	320	32.7
TWR029S31		24.4	0.24	2.2	0.058	2.20	24.6	33.3	0.84	535	0.70	2.15	11.3	19.2	620	35.5
TWR029S32		18.90	0.27	2.8	0.043	2.03	20.9	19.9	0.58	599	1.42	2.69	9.0	13.5	660	23.9
TWR029S33		15.00	0.30	2.0	0.046	1.34	28.0	21.3	1.00	778	0.44	1.47	4.3	28.2	530	16.3
TWR029S34		16.50	0.31	2.2	0.058	1.83	40.0	24.3	0.99	780	0.27	2.16	3.1	25.5	770	28.4
TWR029S35		15.80	0.31	2.9	0.058	1.13	31.0	19.6	1.66	771	<0.05	2.01	1.6	32.6	990	10.0
TWR029S36		17.10	0.28	1.7	0.080	1.42	20.2	25.1	0.92	706	0.86	2.04	6.9	25.9	640	14.3
TWR029S37		20.3	0.26	2.3	0.057	2.31	26.2	27.7	1.59	648	0.93	1.72	10.6	33.9	510	10.5
TWR029S38		27.4	0.21	0.6	0.019	2.60	9.4	13.8	0.24	325	<0.05	3.06	11.3	6.3	210	13.5
TWR029S39		22.5	0.25	1.3	0.048	1.17	18.7	23.4	0.81	447	0.65	2.47	4.6	12.9	640	12.2
TWR029S40		18.30	0.29	1.7	0.047	1.19	20.1	25.1	0.78	403	1.11	2.25	8.9	25.6	350	15.0
TWR029S41		19.60	0.21	1.4	0.035	1.45	16.3	18.8	0.55	389	0.67	2.69	7.6	13.7	360	13.6
TWR029S42		18.80	0.26	1.3	0.039	1.38	17.0	20.5	0.74	368	0.53	2.53	9.3	19.4	260	16.4
TWR029S43		16.50	0.28	2.0	0.054	1.40	25.9	26.2	1.08	657	0.94	1.93	7.8	31.7	320	14.3
TWR029S44		17.90	0.17	0.7	0.018	1.40	7.7	10.2	0.33	354	0.18	4.05	5.5	7.7	400	11.4
TWR029S45		18.90	0.21	1.1	0.030	1.84	13.0	15.1	0.63	463	0.36	3.13	15.0	15.0	500	15.2
TWR029S46		23.3	0.28	1.0	0.032	1.31	11.9	15.5	0.54	360	0.66	2.61	8.8	11.5	470	16.7
TWR029S47		15.90	0.31	1.7	0.049	1.18	26.6	21.7	1.00	470	0.46	1.90	3.9	26.0	260	12.6
TWR029S48		19.70	0.25	1.4	0.046	1.24	15.4	19.5	0.72	367	1.10	1.93	8.5	18.2	670	13.6
TWR029S49		17.60	0.30	1.1	0.056	1.34	25.1	21.4	1.54	482	0.19	1.63	6.7	19.1	80	9.4
TWF029SS09		13.80	0.27	1.7	0.047	1.17	29.6	24.6	1.08	2890	0.22	1.49	7.9	26.7	800	14.7
TWF029SS10		16.30	0.38	1.4	0.069	1.28	27.7	21.7	1.63	932	0.23	2.01	8.1	28.5	1060	14.5
TWF029SS11		15.65	0.39	1.7	0.051	1.18	31.6	24.8	1.15	1595	0.89	1.73	8.3	26.7	720	14.4
TWF029SS12		14.35	0.47	1.8	0.038	1.12	28.0	15.2	0.99	487	0.46	2.04	3.9	21.5	560	13.2
TWF029SS13		15.95	0.43	1.9	0.046	1.31	29.3	19.4	0.84	645	0.73	1.75	7.8	20.5	660	16.6
TWF029SS14		15.50	0.49	1.6	0.046	1.09	31.0	26.3	1.04	2540	1.00	1.46	8.6	29.8	730	14.9
TWF029SS15		14.50	0.49	1.8	0.037	1.11	26.7	16.1	0.96	494	0.51	2.10	4.5	22.3	620	12.0
TWR029SS01		20.2	0.53	2.1	0.052	1.69	34.6	25.5	0.69	630	0.83	1.76	10.2	19.2	660	40.0
TWR029SS02		16.05	0.61	2.2	0.050	1.25	34.6	19.0	1.23	512	0.87	1.91	11.3	30.2	870	13.2
TWR029SS03		14.50	0.61	2.1	0.044	1.08	28.3	18.8	1.03	1060	0.86	1.74	10.8	26.7	880	12.7
TWR029SS04		16.25	0.60	2.5	0.049	1.29	33.8	20.4	1.18	865	0.82	2.03	16.8	27.0	960	13.7

Comments REE's may not be totally soluble in MS61 method



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Date 24-Oct-2002

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Project Lucky Joe

CERTIFICATE OF ANALYSIS VA02004568

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sh ppm 0.05	ME-MS61 Sr ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
TWR029S24		65.9	<0.002	<0.01	0.36	1	1.4	411	<0.05	<0.05	6.9	0.45	0.36	2.0	131	0.3
TWR029S25		65.8	0.002	<0.01	0.41	1	1.4	345	<0.05	<0.05	7.9	0.43	0.44	2.1	131	0.2
TWR029S26		59.5	<0.002	<0.01	0.40	1	1.1	288	0.07	<0.05	6.9	0.48	0.42	1.9	140	0.1
TWR029S27		74.6	<0.002	<0.01	0.45	1	1.5	301	<0.05	<0.05	7.4	0.48	0.44	2.0	146	0.1
TWR029S28		110.0	<0.002	<0.01	0.66	1	1.9	265	0.18	<0.05	8.3	0.50	0.64	2.0	176	0.4
TWR029S29		65.2	<0.002	0.01	0.87	2	2.1	260	0.28	<0.05	12.8	0.47	0.77	3.5	168	0.5
TWR029S30		74.8	<0.002	0.01	0.82	1	1.8	426	0.41	<0.05	11.8	0.49	0.43	2.5	147	0.6
TWR029S31		67.3	<0.002	0.08	1.41	1	2.3	434	0.53	<0.05	9.1	0.45	0.43	2.5	168	1.2
TWR029S32		54.8	<0.002	0.03	0.94	1	1.5	342	0.54	0.05	7.1	0.38	0.32	2.0	108	0.6
TWR029S33		57.7	<0.002	0.01	0.39	2	1.3	342	0.05	<0.05	8.5	0.42	0.35	2.5	116	0.2
TWR029S34		60.8	<0.002	0.01	0.35	2	1.6	386	<0.05	<0.05	11.6	0.47	0.39	3.5	117	0.1
TWR029S35		42.7	<0.002	<0.01	0.10	2	1.0	337	<0.05	<0.05	7.1	0.72	0.30	1.8	120	<0.1
TWR029S36		64.7	<0.002	<0.01	0.60	1	1.4	206	0.28	<0.05	7.0	0.48	0.37	1.5	126	0.5
TWR029S37		130.0	<0.002	<0.01	0.64	2	1.9	146.0	0.55	<0.05	9.9	0.46	0.49	1.8	128	0.7
TWR029S38		110.0	<0.002	<0.01	8.31	1	1.1	185.0	0.50	<0.05	2.3	0.20	0.46	0.8	65	0.4
TWR029S39		65.4	<0.002	<0.01	0.51	1	1.4	397	<0.05	<0.05	5.2	0.46	0.40	1.6	138	0.2
TWR029S40		56.3	<0.002	<0.01	0.73	1	1.7	315	0.40	<0.05	6.1	0.46	0.36	1.5	131	0.5
TWR029S41		64.7	<0.002	<0.01	0.42	1	2.0	396	0.25	<0.05	4.4	0.40	0.34	1.2	102	0.5
TWR029S42		63.5	<0.002	<0.01	0.56	1	1.2	292	0.50	<0.05	4.7	0.39	0.31	1.2	110	0.5
TWR029S43		63.5	<0.002	<0.01	0.45	2	1.4	274	0.33	<0.05	8.7	0.49	0.38	2.1	140	0.4
TWR029S44		47.5	<0.002	<0.01	0.42	1	0.6	600	0.28	<0.05	2.1	0.20	0.23	0.6	52	0.4
TWR029S45		51.7	<0.002	<0.01	0.45	1	1.1	484	0.36	<0.05	3.8	0.32	0.29	1.0	88	0.6
TWR029S46		79.0	<0.002	<0.01	0.58	1	1.6	381	0.33	0.05	3.5	0.33	0.35	1.1	109	0.7
TWR029S47		54.9	<0.002	<0.01	0.21	2	1.3	281	<0.05	<0.05	7.5	0.46	0.36	1.8	128	0.1
TWR029S48		60.4	<0.002	<0.01	0.67	1	1.3	289	0.23	0.05	5.0	0.40	0.36	1.3	131	0.6
TWR029S49		100.0	<0.002	<0.01	0.53	2	0.9	197.0	0.38	<0.05	4.8	0.37	0.44	1.2	194	0.5
TWF029SS09		64.8	<0.002	0.06	0.64	2	1.4	464	0.27	<0.05	8.9	0.40	0.38	3.7	112	0.8
TWF029SS10		58.7	<0.002	0.04	0.58	2	1.4	353	0.29	<0.05	7.1	0.51	0.32	2.9	141	0.9
TWF029SS11		54.0	0.004	0.06	0.73	2	1.8	409	0.20	<0.05	8.9	0.38	0.37	7.4	114	0.6
TWF029SS12		42.3	0.003	0.02	0.45	2	1.4	341	0.05	<0.05	7.5	0.38	0.28	2.2	94	0.2
TWF029SS13		53.7	0.004	0.04	0.66	2	1.5	432	0.13	<0.05	8.2	0.34	0.32	3.5	97	0.8
TWF029SS14		55.2	0.004	0.06	0.72	2	1.6	405	0.19	0.05	8.5	0.34	0.38	7.0	109	0.9
TWF029SS15		43.1	0.002	0.01	0.49	2	1.3	339	0.05	<0.05	6.8	0.37	0.26	1.9	91	0.3
TWR029SS01		64.2	0.003	0.11	1.46	2	2.3	388	0.23	0.05	10.4	0.29	0.41	9.0	128	1.1
TWR029SS02		55.0	0.004	0.03	0.74	2	1.8	321	0.30	<0.05	9.5	0.42	0.33	2.7	110	1.1
TWR029SS03		52.4	<0.002	0.04	0.72	2	1.6	310	0.24	<0.05	7.7	0.47	0.31	2.7	98	0.6
TWR029SS04		55.4	0.003	0.03	0.64	3	1.9	376	0.55	<0.05	9.7	0.57	0.34	4.0	112	0.5

Comments: REEs may not be totally soluble in MS61 method



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Project Lucky Joe

CERTIFICATE OF ANALYSIS

VA02004568

Sample Description	Method Analyte Unit LOR	ME-MS61	ME-MS61	ME-MS61	AU-ICP21
		Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.001
TWR029S24		12.9	104	67.1	0.002
TWR029S25		12.6	110	70.0	0.002
TWR029S26		9.6	106	69.5	0.002
TWR029S27		10.1	112	78.5	0.002
TWR029S28		8.1	128	87.9	0.003
TWR029S29		15.8	151	96.2	0.003
TWR029S30		9.6	116	97.0	0.003
TWR029S31		8.6	147	79.2	0.008
TWR029S32		8.8	106	110.0	0.003
TWR029S33		15.7	98	70.9	0.003
TWR029S34		24.3	127	76.0	0.004
TWR029S35		23.1	115	128.5	0.004
TWR029S36		11.3	142	62.3	0.002
TWR029S37		10.7	112	93.0	0.002
TWR029S38		3.7	72	16.4	0.001
TWR029S39		6.8	128	49.3	0.002
TWR029S40		8.2	109	57.6	0.002
TWR029S41		6.7	79	50.1	0.003
TWR029S42		7.1	84	46.3	0.002
TWR029S43		11.3	104	80.1	0.003
TWR029S44		3.5	63	21.9	0.001
TWR029S45		5.6	101	38.2	0.002
TWR029S46		4.9	88	34.4	0.001
TWR029S47		12.0	94	62.6	0.002
TWR029S48		7.2	93	48.6	0.001
TWR029S49		19.5	106	28.7	0.001
TWF029SS09		18.9	131	61.4	0.005
TWF029SS10		20.6	200	45.9	0.003
TWF029SS11		16.0	94	52.9	0.003
TWF029SS12		13.0	73	55.1	0.003
TWF029SS13		14.9	89	58.5	0.002
TWF029SS14		17.3	92	51.5	0.003
TWF029SS15		12.4	73	58.1	0.004
TWR029SS01		20.4	117	66.7	0.002
TWR029SS02		17.2	82	74.0	0.004
TWR029SS03		16.4	91	75.4	0.009
TWR029SS04		18.7	93	87.2	0.004

Comments: REE's may not be totally soluble in MS61 method



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Date 24-Oct-2002

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Project Lucky Joe

CERTIFICATE OF ANALYSIS

VA02004568

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 0.5	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
TWF029S41		0.30	0.10	7.95	17.2	990	1.33	0.07	1.24	0.19	42.1	17.4	63	3.47	28.8	4.53
TWF029S42		0.34	0.04	7.92	10.2	1370	1.64	0.04	1.12	0.13	38.6	8.6	33	2.85	13.0	3.50
TWF029S43		0.38	0.04	9.68	3.6	1020	3.87	<0.01	0.51	0.03	61.3	6.6	7	9.07	28.4	3.23
TWF029S44		0.38	0.06	7.82	3.4	1220	1.88	<0.01	0.53	0.06	46.8	5.6	22	3.85	4.7	1.73
TWF029S45		0.32	0.09	10.65	5.1	1030	3.21	<0.01	1.30	0.04	41.9	13.5	37	16.85	40.1	4.90
TWF029S46		0.38	0.06	9.39	8.0	1270	1.89	0.02	1.23	0.08	50.4	13.5	53	5.18	16.4	4.34
TWF029S47		0.32	0.07	8.99	9.5	1120	1.78	0.04	1.41	0.09	42.9	14.7	59	5.72	21.3	4.58
TWF029S48		0.30	0.06	8.22	10.2	1190	1.44	0.05	1.49	0.08	51.0	13.9	65	3.33	25.9	4.18
TWF029S49		0.32	0.08	8.96	5.4	870	1.93	0.03	2.23	0.13	40.0	16.5	37	6.56	26.3	5.94
TWF029S50		0.40	0.14	8.43	31.9	950	2.83	<0.01	1.29	0.21	53.9	12.6	29	13.45	20.2	4.74
TWF029S51		0.32	0.11	7.32	5.1	1020	1.53	0.05	1.80	0.22	39.5	10.0	31	3.59	19.4	3.19
TWF029S52		0.40	0.12	8.51	7.1	1230	1.65	0.04	1.64	0.34	41.5	10.4	38	5.09	16.4	4.18
TWF029S53		0.36	0.17	9.61	8.6	1390	2.28	0.03	1.78	0.17	60.7	12.4	49	6.36	26.8	4.66
TWF029S54		0.32	0.16	8.31	8.7	1130	1.80	0.05	1.56	0.14	51.6	13.7	48	5.12	19.9	3.63
TWF029S55		0.36	0.12	8.27	6.8	1100	1.42	0.04	1.32	0.14	39.5	9.1	44	4.20	14.8	3.55
TWF029S56		0.38	0.08	7.74	4.5	1250	1.88	<0.01	1.67	0.14	43.5	6.7	26	4.21	15.9	2.60
TWF029S57		0.36	0.06	8.06	6.1	1350	2.20	<0.01	1.47	0.11	56.1	10.3	43	4.81	15.2	3.27
TWR029S01		0.34	0.10	8.82	6.1	1040	1.39	0.36	1.12	0.11	42.1	26.2	58	10.35	44.2	6.33
TWR029S02		0.44	0.19	9.55	4.0	1290	1.46	0.04	1.34	0.26	40.1	13.3	46	9.52	21.7	4.27
TWR029S03		0.38	0.09	9.03	4.6	700	1.77	0.02	1.10	0.07	38.7	24.2	117	11.55	20.7	6.74
TWR029S04		0.34	0.11	7.57	5.7	1350	1.57	0.03	1.56	0.11	64.4	12.6	34	11.10	19.1	5.00
TWR029S05		0.34	0.11	9.01	15.0	1140	1.44	0.23	1.43	0.10	45.9	20.4	61	7.46	24.0	6.35
TWR029S06		0.40	0.08	8.31	8.4	1410	1.33	0.05	0.97	0.18	40.9	9.8	48	3.51	16.7	3.82
TWR029S07		0.38	0.25	7.75	6.7	1050	1.33	0.08	1.22	0.20	44.7	11.8	60	3.98	21.6	4.23
TWR029S08		0.34	0.07	10.75	5.2	900	1.92	<0.01	0.66	0.07	30.9	6.6	22	8.21	12.5	3.16
TWR029S09		0.38	0.11	7.75	8.7	970	1.81	0.06	1.08	0.09	52.8	10.9	57	4.89	18.3	3.76
TWR029S10		0.34	0.07	8.42	7.2	1370	1.88	<0.01	2.05	0.15	43.6	13.4	52	6.00	21.8	4.25
TWR029S11		0.36	0.19	8.10	9.5	1300	1.60	0.05	1.25	0.09	44.5	11.1	56	5.51	17.1	4.07
TWR029S12		0.42	0.11	8.27	7.6	990	1.69	0.02	1.22	0.11	43.9	12.6	62	4.26	20.6	4.46
TWR029S13		0.36	0.08	8.07	5.0	1170	1.71	<0.01	1.49	0.13	43.0	10.6	53	3.60	13.4	3.60
TWR029S14		0.40	0.15	8.05	6.6	1040	1.33	0.18	1.37	0.07	42.1	10.7	53	3.45	16.9	3.96
TWR029S15		0.38	0.16	8.03	6.8	1080	1.37	0.18	1.49	0.12	41.4	9.4	47	4.11	15.1	3.48
TWR029S16		0.32	0.14	8.46	8.7	1200	1.49	0.05	1.59	0.16	44.2	12.0	43	4.98	18.2	3.59
TWR029S17		0.32	0.16	8.33	6.2	1150	1.85	0.05	1.74	0.15	50.8	10.6	44	5.19	19.9	3.73
TWR029S18		0.46	0.11	7.31	4.8	1050	1.48	0.03	1.53	0.25	38.2	9.8	36	3.94	13.6	2.99
TWR029S19		0.36	0.04	7.92	11.4	1210	2.67	<0.01	0.77	0.07	39.6	5.9	22	19.45	7.9	2.42
TWR029S20		0.38	0.13	8.02	5.9	1050	1.65	0.04	1.42	0.11	43.9	6.4	32	5.38	18.0	2.97
TWR029S21		0.40	0.11	8.39	12.3	1090	2.10	0.03	1.76	0.25	44.8	11.1	38	6.61	20.3	3.46
TWR029S22		0.40	0.12	7.13	9.9	910	1.53	0.08	2.49	0.16	46.7	12.4	54	3.53	30.7	3.70
TWR029S23		0.38	0.19	7.61	12.0	920	2.18	0.12	2.28	0.13	54.6	13.0	59	3.86	39.0	3.93

Comments: REEs may not be totally soluble in MS61 method



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Project Lucky Joe

CERTIFICATE OF ANALYSIS VA02004568

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
TWF029S41		17.80	0.27	1.8	0.066	1.22	22.2	35.3	1.04	509	1.20	1.73	6.3	42.2	280	22.6
TWF029S42		21.2	0.25	2.0	0.051	2.90	20.8	21.3	0.74	521	1.11	2.89	13.3	20.0	670	16.1
TWF029S43		23.9	0.26	1.5	0.080	3.46	34.2	15.5	0.57	423	0.13	1.89	9.9	7.8	420	17.7
TWF029S44		21.6	0.28	2.6	0.028	3.78	28.8	11.6	0.38	333	0.73	2.09	7.4	7.4	200	9.8
TWF029S45		22.1	0.31	1.4	0.062	2.45	32.1	17.9	0.88	897	0.48	2.31	7.9	17.3	1020	21.5
TWF029S46		18.90	0.27	1.7	0.058	1.83	25.5	24.0	0.99	528	0.58	2.54	3.4	24.5	240	22.0
TWF029S47		17.90	0.35	1.7	0.064	1.26	24.3	26.9	1.13	589	0.54	2.13	4.0	29.9	200	18.0
TWF029S48		17.00	0.30	1.5	0.060	1.29	27.7	24.0	1.10	563	0.87	2.01	6.9	33.3	220	16.5
TWF029S49		19.60	0.34	1.4	0.072	1.70	21.6	67.8	1.57	1215	0.89	2.99	6.5	17.3	660	16.4
TWF029S50		21.6	0.36	1.5	0.076	2.10	31.7	28.6	1.12	916	0.60	2.38	9.6	16.1	740	26.7
TWF029S51		18.80	0.33	1.6	0.044	1.43	23.0	20.7	0.64	969	0.98	2.15	3.2	19.5	340	23.6
TWF029S52		18.60	0.26	1.5	0.057	1.78	22.7	34.4	0.86	1160	0.92	2.17	10.0	20.8	1040	21.7
TWF029S53		18.20	0.40	1.8	0.062	1.59	46.9	33.2	1.02	1230	0.95	2.23	5.7	27.9	460	22.3
TWF029S54		19.50	0.35	1.8	0.055	1.56	29.5	25.7	0.84	745	0.83	2.11	5.4	24.6	440	19.2
TWF029S55		18.60	0.29	1.7	0.050	1.93	22.5	26.2	0.78	519	0.87	2.09	3.2	20.7	220	16.7
TWF029S56		18.00	0.27	1.6	0.041	2.45	29.9	17.4	0.60	504	0.79	2.03	6.4	14.8	500	13.5
TWF029S57		19.90	0.31	2.0	0.050	2.55	36.5	19.7	0.77	567	0.45	2.04	4.5	22.6	310	15.8
TWR029S01		18.90	0.30	1.1	0.079	1.50	22.2	24.4	1.61	760	1.80	2.10	6.7	28.4	360	17.8
TWR029S02		21.2	0.28	1.5	0.055	1.96	21.6	17.9	0.90	2000	0.82	2.24	6.4	21.0	840	17.2
TWR029S03		20.4	0.31	1.1	0.057	2.02	21.5	27.0	1.73	831	0.55	1.98	3.9	56.2	450	14.5
TWR029S04		19.70	0.36	1.4	0.085	1.49	32.7	24.3	1.27	700	0.75	1.48	7.4	15.3	700	15.1
TWR029S05		20.8	0.36	2.5	0.090	1.39	23.5	27.4	1.70	805	0.95	2.05	5.6	31.5	530	20.4
TWR029S06		17.70	0.33	1.6	0.051	1.56	23.3	21.5	0.72	392	1.31	2.02	7.0	22.1	330	18.7
TWR029S07		18.10	0.33	1.5	0.053	1.31	25.1	24.9	0.92	494	0.65	1.79	0.8	23.5	390	17.3
TWR029S08		22.6	0.24	1.1	0.052	2.15	17.8	22.3	0.56	370	0.56	2.49	10.9	10.8	280	19.0
TWR029S09		17.00	0.30	1.5	0.054	1.51	29.7	25.2	0.89	560	0.95	1.61	1.3	24.6	230	18.3
TWR029S10		19.20	0.32	1.6	0.065	1.30	21.2	28.8	1.26	593	0.63	2.45	3.4	30.3	660	18.8
TWR029S11		18.60	0.31	1.7	0.060	1.59	25.6	27.3	0.95	456	0.73	1.93	2.9	26.9	250	24.8
TWR029S12		17.30	0.30	1.7	0.059	1.40	24.6	29.9	1.02	546	0.73	1.89	3.3	28.3	260	22.6
TWR029S13		16.60	0.30	1.7	0.052	1.66	22.3	23.3	0.92	506	0.42	2.54	3.6	23.2	300	18.4
TWR029S14		16.15	0.28	1.7	0.061	1.44	23.0	25.1	0.88	476	0.78	2.10	1.3	23.6	320	17.7
TWR029S15		16.25	0.28	1.6	0.048	1.64	23.2	22.4	0.86	563	1.01	2.15	3.5	20.5	380	16.0
TWR029S16		18.30	0.21	1.8	0.051	1.54	24.6	26.7	0.85	831	0.50	1.99	3.9	20.9	450	17.7
TWR029S17		17.50	0.22	1.6	0.048	1.46	29.4	25.3	0.83	855	0.54	1.94	6.1	22.3	570	17.2
TWR029S18		17.40	0.25	1.7	0.040	1.51	20.6	24.9	0.73	909	0.51	2.00	5.1	17.7	430	18.0
TWR029S19		19.60	0.21	1.6	0.036	2.32	22.2	28.2	0.55	339	0.09	1.42	9.0	13.2	260	16.4
TWR029S20		20.7	0.25	2.0	0.044	1.83	30.6	20.9	0.67	349	0.50	2.18	2.0	15.4	260	16.6
TWR029S21		19.40	0.28	1.5	0.051	2.02	28.6	25.2	0.85	686	0.56	2.13	9.3	20.8	370	21.4
TWR029S22		14.40	0.24	1.9	0.053	1.28	27.2	26.2	1.11	695	0.34	1.85	6.8	28.2	530	14.7
TWR029S23		16.90	0.35	2.1	0.058	1.31	36.9	26.9	1.09	762	0.30	2.02	5.4	32.8	510	19.1

Comments: REE's may not be totally soluble in MS61 method



ALS Chemex

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SALT LAKE CITY UT 84116

Page # 3 - C

Total # of, 4 (A-D)

Date 24-Oct-2002

Account: QWU

Project Lucky Joe

CERTIFICATE OF ANALYSIS VA02004568

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Tl % 0.01	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
TWF029S41		53.0	<0.002	<0.01	0.51	2	1.4	283	0.14	<0.05	8.1	0.46	0.37	1.8	144	0.3
TWF029S42		68.6	<0.002	<0.01	0.77	1	1.7	693	0.50	<0.05	7.5	0.40	0.41	1.9	116	0.6
TWF029S43		89.5	<0.002	<0.01	1.92	1	1.9	313	0.54	<0.05	12.4	0.16	0.38	2.0	72	0.7
TWF029S44		120.0	<0.002	<0.01	0.40	1	1.5	310	0.20	<0.05	9.3	0.28	0.52	2.1	78	0.4
TWF029S45		100.0	<0.002	<0.01	1.00	2	1.5	313	0.37	<0.05	7.7	0.52	0.37	2.1	197	0.5
TWF029S46		64.8	<0.002	<0.01	0.28	1	1.5	400	<0.05	<0.05	10.2	0.46	0.37	1.7	136	0.1
TWF029S47		80.9	<0.002	<0.01	0.35	2	1.2	384	0.06	<0.05	8.7	0.46	0.37	1.7	137	0.1
TWF029S48		87.8	<0.002	<0.01	0.55	2	1.4	314	0.20	<0.05	8.5	0.48	0.37	1.8	145	0.4
TWF029S49		76.5	<0.002	<0.01	0.21	1	1.4	401	0.24	<0.05	6.1	0.58	0.43	1.6	172	0.4
TWF029S50		110.0	<0.002	0.01	1.21	2	1.6	345	0.41	<0.05	10.2	0.43	0.45	2.3	127	0.7
TWF029S51		89.2	<0.002	0.01	0.41	1	1.3	417	<0.05	<0.05	5.9	0.39	0.35	1.8	103	0.2
TWF029S52		64.4	<0.002	0.04	0.53	1	1.6	474	0.44	<0.05	7.7	0.46	0.32	1.7	128	0.8
TWF029S53		73.1	<0.002	0.01	0.44	2	1.5	429	0.09	<0.05	8.5	0.50	0.35	2.6	145	0.3
TWF029S54		69.3	<0.002	0.01	0.36	1	1.6	387	0.07	<0.05	9.1	0.40	0.42	2.3	117	0.2
TWF029S55		65.9	<0.002	<0.01	0.22	1	1.3	386	<0.05	<0.05	6.9	0.41	0.40	1.6	122	0.1
TWF029S56		57.3	<0.002	0.01	0.36	1	1.3	520	0.19	<0.05	6.6	0.31	0.35	2.0	90	0.4
TWF029S57		87.7	<0.002	<0.01	0.24	1	1.4	450	0.06	<0.05	9.8	0.36	0.41	2.5	113	0.1
TWR029S01		77.7	<0.002	<0.01	1.56	2	1.9	192.0	0.41	<0.05	7.9	0.51	0.40	1.6	238	0.5
TWR029S02		130.0	<0.002	0.01	1.68	1	1.3	288	0.18	<0.05	6.3	0.48	0.45	1.5	133	0.5
TWR029S03		160.0	<0.002	<0.01	0.62	1	1.2	220	0.12	<0.05	6.0	0.67	0.53	1.5	178	0.1
TWR029S04		63.4	<0.002	<0.01	0.28	2	1.5	453	0.19	<0.05	11.0	0.48	0.41	2.1	170	0.2
TWR029S05		64.3	<0.002	<0.01	0.52	2	1.7	299	0.08	<0.05	8.6	0.70	0.37	1.6	161	0.1
TWR029S06		72.9	<0.002	0.01	0.55	1	1.5	333	0.24	<0.05	6.5	0.42	0.38	1.5	122	0.5
TWR029S07		100.0	<0.002	<0.01	0.15	1	1.3	264	<0.05	<0.05	7.1	0.46	0.44	1.7	135	<0.1
TWR029S08		120.0	<0.002	<0.01	3.01	1	1.7	397	0.52	<0.05	4.8	0.37	0.52	1.2	101	1.3
TWR029S09		85.5	<0.002	<0.01	0.23	1	1.5	234	<0.05	<0.05	9.7	0.43	0.45	1.9	128	0.1
TWR029S10		89.3	<0.002	0.01	0.25	1	1.4	462	<0.05	<0.05	6.5	0.45	0.34	1.8	127	0.1
TWR029S11		74.0	0.002	<0.01	0.61	1	1.3	312	<0.05	<0.05	7.6	0.44	0.41	1.8	135	0.7
TWR029S12		66.0	<0.002	<0.01	0.40	1	1.4	313	<0.05	<0.05	8.4	0.48	0.38	1.8	143	0.1
TWR029S13		53.6	<0.002	<0.01	0.35	1	1.4	459	<0.05	<0.05	8.3	0.44	0.32	1.7	120	0.2
TWR029S14		83.1	<0.002	<0.01	0.24	1	1.3	380	<0.05	<0.05	7.2	0.45	0.36	1.6	130	0.1
TWR029S15		75.2	<0.002	0.01	0.37	1	1.3	382	<0.05	<0.05	6.9	0.43	0.40	1.7	122	0.2
TWR029S16		86.3	<0.002	0.01	0.48	1	1.4	395	<0.05	<0.05	8.0	0.41	0.42	2.0	120	0.3
TWR029S17		73.8	<0.002	0.02	0.53	1	1.4	377	0.12	<0.05	8.8	0.40	0.42	2.6	121	0.5
TWR029S18		84.4	<0.002	<0.01	0.40	1	1.3	365	0.07	<0.05	5.9	0.39	0.42	1.5	102	0.2
TWR029S19		89.2	<0.002	0.01	1.42	1	1.3	366	0.32	<0.05	6.2	0.26	0.40	1.6	83	3.3
TWR029S20		65.5	0.002	0.01	0.24	1	1.4	413	<0.05	<0.05	6.2	0.40	0.45	1.9	112	0.2
TWR029S21		88.1	<0.002	0.02	1.31	1	1.6	451	0.50	<0.05	7.4	0.34	0.40	1.8	115	1.3
TWR029S22		62.9	<0.002	0.02	0.64	2	1.3	389	0.17	<0.05	7.9	0.44	0.34	2.3	130	0.4
TWR029S23		58.6	<0.002	0.01	0.51	2	1.3	375	0.09	<0.05	9.1	0.43	0.38	3.0	130	0.3

Comments: REEs may not be totally soluble in MS61 method



ALS Chemex

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age # 3 - D

Total # of pages 4 (A - D)

Date 24-Oct-2002

Account QWU

Project Lucky Joe

CERTIFICATE OF ANALYSIS

VA02004568

Sample Description	Method Analyte Units Lot	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
		Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.001
TWF029S41		10.3	101	68.4	0.003
TWF029S42		11.4	121	70.6	0.001
TWF029S43		16.4	118	41.4	0.001
TWF029S44		9.7	51	97.0	0.001
TWF029S45		32.7	130	49.2	0.002
TWF029S46		10.8	122	61.9	0.002
TWF029S47		10.8	115	62.0	0.003
TWF029S48		13.4	102	73.7	0.002
TWF029S49		17.0	172	50.4	0.001
TWF029S50		26.1	163	52.3	0.001
TWF029S51		12.9	118	72.2	0.001
TWF029S52		10.8	156	76.1	0.003
TWF029S53		27.4	140	62.3	0.003
TWF029S54		16.3	125	60.2	0.001
TWF029S55		8.6	107	64.1	0.002
TWF029S56		15.7	102	60.0	0.001
TWF029S57		16.8	113	73.6	0.002
TWR029S01		13.9	112	35.8	0.002
TWR029S02		12.0	151	51.6	0.002
TWR029S03		11.0	122	38.1	0.002
TWR029S04		17.4	88	37.1	0.001
TWR029S05		13.0	139	107.5	0.001
TWR029S06		8.7	89	61.4	0.002
TWR029S07		10.0	101	59.7	0.002
TWR029S08		6.3	93	32.5	0.001
TWR029S09		12.2	92	59.8	0.001
TWR029S10		13.9	124	53.7	0.002
TWR029S11		11.5	103	61.4	0.017
TWR029S12		10.9	108	66.0	0.002
TWR029S13		11.4	108	62.0	0.002
TWR029S14		11.1	100	62.3	0.003
TWR029S15		10.5	103	61.8	0.003
TWR029S16		11.9	120	63.6	0.003
TWR029S17		17.2	120	64.1	0.003
TWR029S18		8.3	138	63.3	0.003
TWR029S19		9.1	91	51.7	0.002
TWR029S20		13.9	96	74.8	0.001
TWR029S21		13.9	132	60.9	0.004
TWR029S22		15.7	120	69.3	0.007
TWR029S23		24.6	111	74.9	0.004

Comments REE's may not be totally soluble in MS61 method



GEOCHEMICAL ANALYSIS CERTIFICATE



Klondike Exploration File # A204220
Box 213, Dawson City YT Y0B 1G0 Submitted by: Shawn Ryan

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
G-1	13	23	27	41	<1	43	39	506	170	92	4	134	7	60	<1	<1	2	37	50	103	7	127	52	210	099	3	79	071	47	21	013	0	3	<05	5
STS 02 SS01	5	118	49	48	1	129	61	238	163	56	8	274	0	30	2	3	1	37	47	069	15	176	38	199	053	1	92	014	05	3	022	4	1	<05	3
STS 02 SS02	11	270	68	69	1	228	106	377	245	89	8	513	7	53	2	5	1	59	113	090	15	256	67	225	085	11	15	026	08	4	033	5	1	<05	4
STS 02 SS03	8	135	40	55	1	126	71	526	165	44	18	763	0	55	1	2	1	37	74	073	13	174	48	187	058	1	99	018	07	3	032	7	<1	<05	3
STF 02 SS09	7	159	106	68	1	169	72	239	205	37	615	142	3	68	2	4	1	47	129	083	11	230	62	356	051	3	105	021	09	3	043	5	<1	08	4
STF 02 SS17	6	199	76	65	1	214	91	352	207	89	7	142	7	57	2	4	1	48	86	074	12	239	62	309	065	11	10	030	07	1	023	4	1	<05	4
STF 02 SS18	16	253	89	99	1	252	117	425	274	22	611	62	6	95	5	3	1	76	111	085	13	352	88	443	055	3	127	015	08	2	024	6	1	<05	5
TWF 029 SS01	3	120	66	47	1	105	69	218	158	30	6	433	1	50	1	2	1	39	45	055	13	200	50	151	077	11	14	012	08	3	023	2	1	<05	4
TWF 029 SS02	5	184	66	55	1	181	87	333	206	60	7	483	1	60	1	4	1	53	68	073	14	229	55	195	084	11	24	027	08	3	023	3	1	<05	4
TWF 029 SS03	6	232	85	72	1	202	110	476	239	66	9	233	0	74	2	4	1	56	74	065	14	276	64	243	079	11	42	024	08	2	033	8	1	<05	5
TWF 029 SS04	7	150	64	94	1	206	148	3513	372	106	7	82	4	92	6	4	1	56	90	094	15	249	57	347	062	11	24	024	09	2	063	6	1	07	4
TWF 029 SS05	4	158	71	61	1	161	86	434	205	57	7	363	1	56	1	3	1	49	67	077	14	231	53	195	079	11	29	023	07	3	033	6	1	<05	5
RE TWF 029 SS05	4	164	76	63	1	170	88	456	217	59	8	133	4	57	1	4	1	53	69	078	15	239	56	199	082	11	33	025	07	3	033	9	1	<05	4
TWF 029 SS06	7	159	66	65	1	152	94	393	229	47	11	532	69	1	2	1	53	65	048	13	242	74	238	082	<1	144	014	09	2	023	4	1	<05	6	
TWF 029 SS07	7	199	79	73	1	179	114	440	260	59	10	123	5	148	2	3	1	59	68	053	18	282	71	290	078	11	58	016	09	1	034	0	1	<05	6
TWF 029 SS08	5	162	66	64	1	157	96	348	221	49	10	172	9	72	1	3	1	52	59	061	13	235	67	197	087	11	36	020	09	2	033	5	1	<05	5
YUS 02 SS05	7	170	63	65	1	218	80	312	192	140	7	176	32	36	2	5	1	45	72	085	13	244	51	279	059	1	86	020	06	4	042	6	1	07	3
YUS 02 SS06	8	181	53	60	1	207	80	306	207	74	6	133	6	50	2	6	1	52	129	104	15	244	62	296	073	1	93	029	06	4	032	9	<1	10	3
STANDARD DS4	66	132	531	156	3	347	118	841	316	241	62	269	39	315	75	153	78	56	094	18	161	5	58	149	093	11	73	035	174	2	273	9	1	<05	6

GROUP 1DA - 20.0 GM SAMPLE LEACHED WITH 120 ML 2-2-2 HCL-HNO₃-H₂O AT 95 DEG C FOR ONE HOUR, DILUTED TO 400 ML, ANALYSED BY ICP-MS
UPPER LIMITS - AG, AU, HG, W = 100 PPM, MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM, CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM
- SAMPLE TYPE SILT SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns

DATE RECEIVED: OCT 2 2002 DATE REPORT MAILED: Oct 11/02 SIGNED BY: C. LEONG, J. WANG, CERTIFIED B C ASSAYERS

TWF 029 SS - SILT SAMPLE

Tw claims NTS 115 N/09

STS 02 SS - SILT SAMPLE

STEWART River NTS 115 0/6

YUS 02 SS - SILT SAMPLE

YUKON River NTS 115 0/5

PROJECT HENDERSON

HEN 1-60 CLAIMS

LJS 1-40 CLAIMS

SUMMARY

The Henderson Project came about by following the same type of geophysical target seen by the Lucky Joe target. A pronounced Magnetic high with magnetic lows running through the system. These targets were only noticed in late August when the new Airborne Geophysical Survey was released. The Project consisted of staking and taking soils and silts along magnetic contacts. The geochem showed only subtle copper and molybdenum geochem anomalies. This was enough to convince Copper Ridge Exploration to make a deal on the claims plus expanded the project with another 226 claims.

LOCATION

The project area is centered on the lower Henderson creek, which is located 75 kilometers south of Dawson City. The claim block is located in the Dawson Mining District on NTS sheet 115 0\6. The latitude is 63°20' N and 139°24' W.

ACCESS

The center of the project area can be accessed by 4 x 4 pickup truck. The route taken starts by going up the Hunker Creek road and heading towards Black Hills Creek. This route takes about 3 hours. Once on Black Hills Creek, you follow the Henderson Creek signs. It's another 40 minutes over to Henderson Creek. Once on Henderson Creek you have to travel for another hour down to the bottom of the creek. The road is in fairly good shape. You can also access the north and south part of the project area via helicopter from Dawson City. You can also reach the southern part of the project area via riverboat, traveling up the Yukon River for 80 miles then up the Stewart River for 3 miles. The Project area covers a couple of miles of riverfront on the northern side.

GEOLOGY

The project area lies in a Yukon Tanana terrain. I have seen during staking and soil sampling areas of foliated granites and amphibolite mixed with limestone units. The Area is presently being mapped by the GCS and should be finished by next summer.

WORK PERFORMED

The Project Area was first visited in late August. I traveled up the Yukon River and up the Stewart River to the Project area with Scott Fleming and Albert Ryan. We prospected, soil sampled, silt sampled and staked 12 claims. The work was directed towards magnetic high and low contact areas. We took 66 samples of mostly soil with a few silts. All samples were collected with a one-meter soil auger. Samples were taken from about 50-60 centimeter down in the lower B-horizon. Sample sites were marked in the bush with orange flagging and sample numbers were written on the flagging with black permanent marker.

The soils were placed in brown soil bags with about 400 grams of fine soil. The bags were marked with permanent black markers as to sample identification number. The silts were taken from creeks draining some of the magnetic contact areas.

Silts were collected from low energy sites where possible. If no low energy sites were found then moss mats found in the creek or on the side were collected and the bottom silt and mud was scraped off and placed in brown soil bags. About 400 grams of sample was collected at each site. All silt sites were marked the same as the soil sites. We spent a total of 5-6 days working on this target.

I revisited the area in early October with Andrew Robinson and Mike Glynn. We drove out to Henderson Creek and camped for a week. The work consisted of staking and soil sampling magnetic high and low contact areas. We had a helicopter come out every morning to pick us up and drop us off at various locations.

We started by getting dropped off on the LJS block. Andrew Robinson, Mike Glynn and I staked a total of 40 claims. I took soils along claim line while I staked.

The next few days we kept getting picked up and flown out to stake and soil along claim lines. We picked up another block called the HEN, which consists of 60 claims.

I used a 1 meter soil auger to take soil sample with. An orange flag was used to mark soil sample spots with the soil identification marked in black permanent marker. The sample sites were GPS in and wrote out in a field book.

EVALUATION

The soil sample results showed elevated copper and moly numbers. No really high soil anomalies but it was a small population of soils and where we did see anomalous result was in the magnetic high area. The results were encouraging enough to get Copper Ridge Exploration into signing a deal and staking another 200 + claims.

RECOMMENDATION

I would recommend more soil work over the magnetic high areas I would also follow up with some random soil lines over magnetic low areas At this point the type of target can be in either mag highs or low

COST

LUCKY JOE PROJECT

Wage	Andrew Robinson 2 Days @ \$250 00	\$500 00
Food	9 Man days @ \$35 00	\$315 00
Helicopter	Invoice # 26300	\$1,376 00
	Invoice # 26303	\$1,146 93
	Invoice # 26305	\$1,146 93

RUBY Mt. AREA

Acme assay bill	Invoice # A202663, 39 soil @ \$10 11	394.29
\$394.29		
	Invoice # A202661, 6 silts @ \$13 72	\$83 36
	Transportation cost	\$50 00

LUCKY JOE SOUTH AREA

Wage	Albert Ryan 5 5 days @ \$180 00	\$990 00
Wage	Scott Fleming 5 5 days @ \$180 00	\$990 00
Wage	Mike Glynn 1 day @ \$200 00	\$200 00
Wage	Andrew Robinson 1 day @ \$200 00	\$200 00
Food allowance	24 man days @ \$32 50	\$780 00

Boat / motor rental	6 days @ \$125 00	\$750 00
Truck rental	7 days @ \$50 00	\$350 00
Helicopter cost	4 2 hour @ \$1066 00 (I left out receipts)	\$4477 20
Assay cost	66 soil @ \$11 23 invoice # A204219	\$741 51
Assay cost	8 silts @ \$15 24 invoice # A204219	\$121 98
Transportation Cost	Northwest Transport W / B #32 020708	\$50 00
Assay Cost	45 soil @ \$15 24 (Copper Ridge Paid Bill, No bill just data File # A205237)	\$685 58

TWENTY MILE AREA

Wage	Scott Fleming 3 days @ \$200 00	\$600 00
Helicopter Travel	2 3 Hour at \$1066 00 (I kept receipt)	\$2451 00
Assay Cost	117 soil @ \$ 40 65 (no receipt assay paid by Kennecott Exploration Company)	\$4757 22

REPORT

Report Preparation	2 5 days @ \$250 00	\$625 00
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TOTAL	\$23,782.00
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I submitted \$10,811.00 worth of receipts for the program

116 0312	116 0311	116 0310
116 0308	116 0306	116 0307
116 0304	116 0305	116 0302

[illegible]

115 O/06

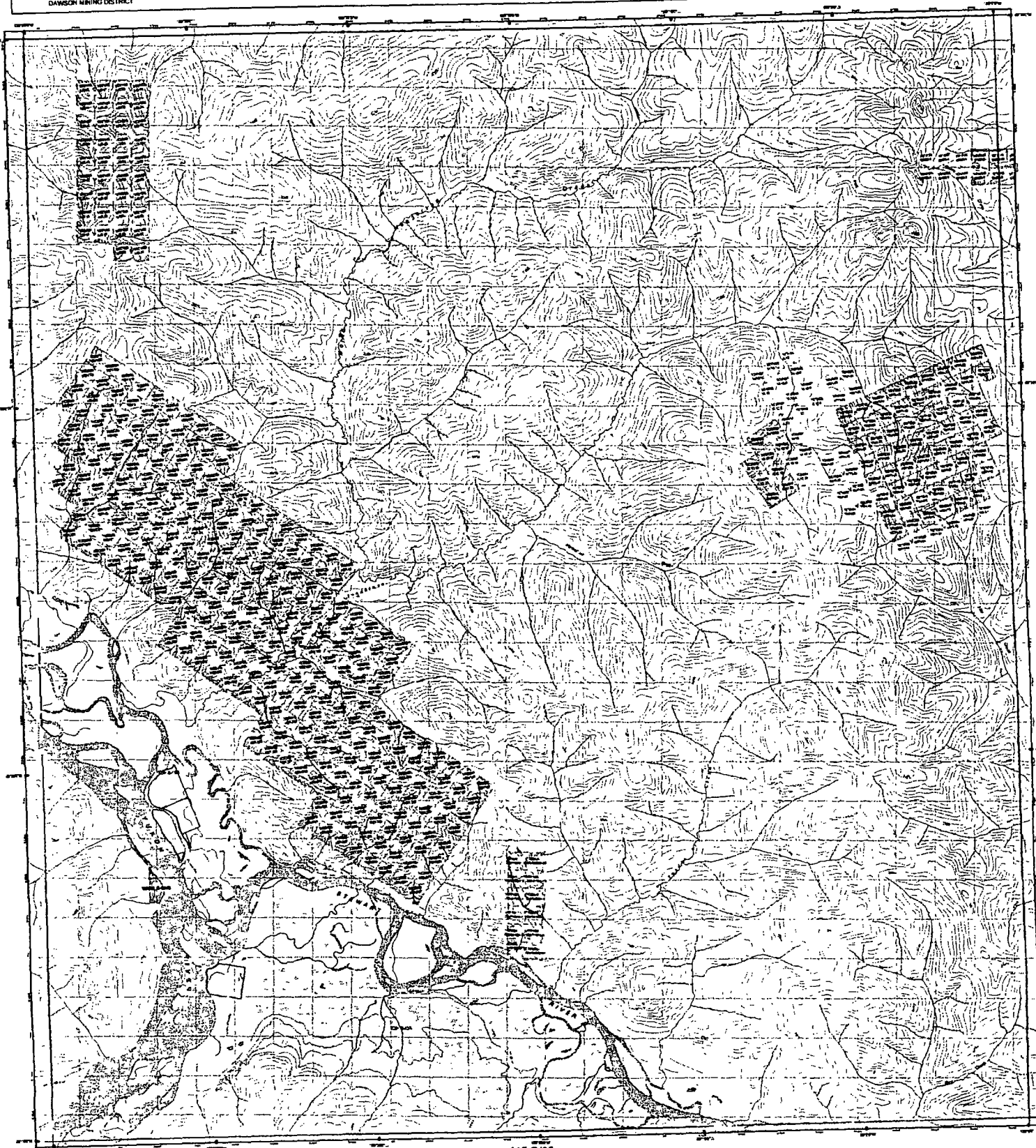
LATITUDE 47°15' TO 47°30'
LONGITUDE 139°57' TO 140°20'

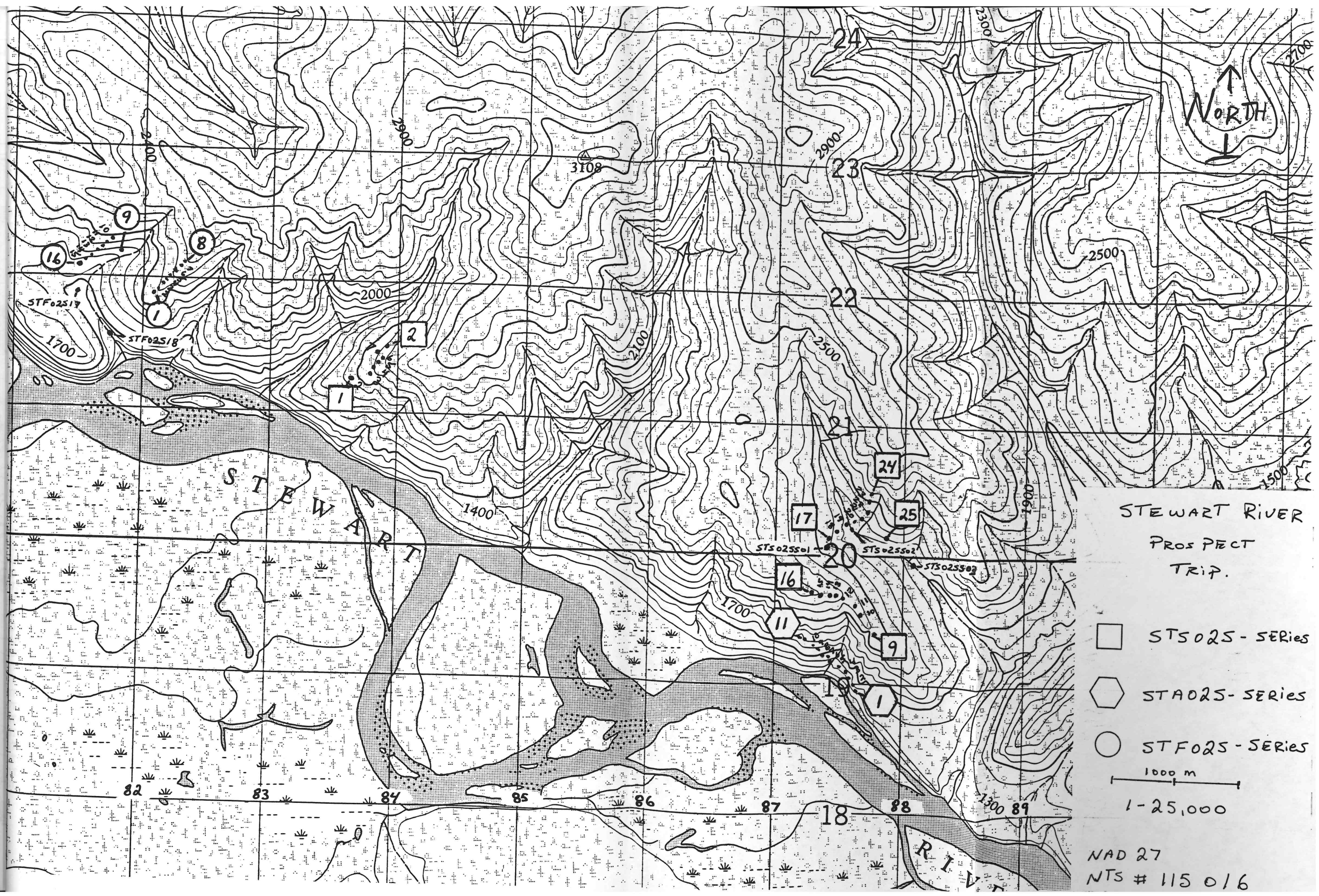


DECEMBER 14, 2007

[illegible]

DAYTON MINING DISTRICT





STEWART RIVER
PROSPECT
TRIP.

- STS025 - SERIES
 - ⬡ STA025 - SERIES
 - STF025 - SERIES
- 1000 m
1-25,000

NAD 27
NTS # 115 016

LUCKY JOE SOIL SAMPLES

Sample Number	Sample Type	UTM ZONE	UTM NAD 27		DEPTH, COLOUR, ROCK CHIPS
			EAST	NORTH	
STS02S01A	SOIL	7	583636	7021260	Bluish-orange
STS02S01B	SOIL	7	583636	7021260	Amphibolite rock fragments
STS02S03	SOIL	7	583790	7021296	70 cm depth, Brown, quartz
STS02S04	SOIL	7	583812	7021340	90 cm orange-brown amphibolite
STS02S05	SOIL	7	583837	7021385	40 cm orange-brown
STS02S06	SOIL	7	583869	7021431	35 cm Brown, some amphibolite
STS02S07	SOIL	7	583838	7021472	35 cm Brown, amphibolite, granite ?
STS02S08	SOIL	7	583919	7021510	65 cm brown, some orange
STS02S09	SOIL	7	587790	7019296	25 cm, orange, biotite, quartz
STS02S10	SOIL	7	587675	7019447	35 cm, orange Quartz-bio-gneiss
STS02S11	SOIL	7	587638	7019513	30 cm, orange, amphibolite
STS02S12	SOIL	7	587532	7019650	25 cm, orange
STS02S13	SOIL	7	587503	7019604	
STS02S13A	SOIL	7	587503	7019604	35 cm, orange below silt layer
STS02S13B	SOIL	7	587503	7019604	85 cm, mica rich soil
STS02S14	SOIL	7	587462	7019592	20 cm, orange, quartz-mica schist
STS02S15	SOIL	7	587375	7019593	25 cm, brown-orange, quartz-biotite schist
STS02S16	SOIL	7	587300	7019625	25 cm, orange
STS02S17A	SOIL	7	587414	7020056	50 cm, orange
STS02S17B	SOIL	7	587414	7020056	90 cm, orange
STS02S18	SOIL	7	587467	7020080	90 cm, orange
STS02S19	SOIL	7	587546	7020134	70 cm, brown
STS02S20	SOIL	7	587622	7020158	70 cm, brown, mica
STS02S21	SOIL	7	587670	7020200	100 cm, brown, amphibolite
STS02S22	SOIL	7	587710	7020258	70 cm, bluish-orange, amphibolite horizon
STS02S23	SOIL	7	587730	7020316	35 cm, orange-blonde
STS02S24	SOIL	7	587736	7020380	40 cm, orange
STS02S25	SOIL	7	587860	7020131	35 cm, brown-orange
YUS02S26	SOIL	7	573095	7010263	Orange mica schist soil
YUS02S27	SOIL	7	576431	7013680	100 cm, light grey, looks like Loess
YUS02S28	SOIL	7	576380	7013770	70 cm, light grey amphibolite fragments
STS02S29	SOIL	7	577158	7014005	45 cm, grey-orange
YUS02S30	SOIL	7	577219	7014002	80 cm, brown-black, some rock chips, poor sc
YUS02S31	SOIL	7	577269	7014005	100 cm,
YUS02S32	SOIL	7	577402	7014097	100 cm, grey loess
YUS02S33	SOIL	7	577476	7014103	89 cm, grey-orange
YUS02S34	SOIL	7	577960	7019909	orange soil near YUS02SS06
STA02S01	SOIL	7	587647	7018887	80 cm light brown
STA02S02	SOIL	7	587627	7018902	20 cm, gravel
STA02S03	SOIL	7	587597	7018945	25 cm, light brown gravel
STA02S04	SOIL	7	587572	7019003	25 cm, light brown gravel
STA02S05	SOIL	7	587527	7019031	60cm, light brown, quartz chips
STA02S06	SOIL	7	587429	7019062	15 cm, light brown
STA02S07	SOIL	7	587430	7019090	90cm, light brown
STA02S08	SOIL	7	587380	7019131	30 cm, dark brown, wet
STA02S09	SOIL	7	587355	7019166	30 cm, light brown, dry
STA02S10	SOIL	7	587311	7019200	15 cm, dry gravel

STA02S11	SOII	7	587237	7019251	30 cm	Light brown, dry
STF02S01	SOII	7	582075	7021886	40-50 cm,	bright orange-brown
STF02S02	SOII	7	incremental?		40-50 cm,	yellpw-brown withgreen-blackbright
STF02S03	SOII	7	incremental?		30-40 cm,	orange-brown with green-black
STF02S04	SOII	7	incremental?		50-60 cm,	bright orange-brown & orange-blur
STF02S05	SOII	7	incremental?		50-60 cm,	bright orange-brown & orange-blur
STF02S06	SOII	7	incremental?		20-30 cm,	bright orange-brown
STF02S07	SOII	7	incremental?		40-50 cm,	orange-blond
STF02S08	SOII	7	582363	7022054	30-40 cm,	orange-brown
STF02S09	SOII	7	581818	7022100		silt-moss mat, organics
STF02S10	SOII	7	581750	7022200	20-30 cm,	orange brown
STF02S11	SOII	7	incremental?		40-50 cm,	orange-brown
STF02S12	SOII	7	incremental?		30-40 cm,	orange-brown
STF02S13	SOII	7	incremental?		40-60 cm,	light brown with green
STF02S14	SOII	7	incremental?		30-40 cm,	light brown with green
STF02S15	SOII	7	incremental?		40-50 cm,	light brown
STF02S16	SOII	7	581528	7021995	50-60 cm,	light brown-green
STF02S17	SILT	7	581504	7021840		silt, good
STF02S18	SILT	7	581739	7021454		silt, good
STS02SS01	SILT	7	587397	7020007		note says "really 7020100"
STS02SS02	SILT	7	587595	7020149		main Tenderfoot Tributary Creek
STS02SS03	SILT	7	588076	7019815		
YUS02SS04	SILT	7	577338	7014040		
YUS02SS05	SILT	7	577445	7014081		



GEOCHEMICAL ANALYSIS CERTIFICATE

Klondike Exploration File # A204219 Page 1

Box 213, Dawson City YT Y0B 1G0 Submitted by: Shawn Ryan



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					
G-1	15	38	27	45	15	24	43	579	216	10	20	<5	45	92	<1	7	1	45	63	075	9	15	8	59	241	135	11	05	116	52	25	<01	26	3	<05	5				
STA 02 S01	7	45	5	53	75	120	213	1486	281	75	4	31	32	66	1	6	1	50	291	075	11	25	1	90	281	120	3	1	68	027	11	1	05	56	1	06	7			
STA 02 S02	9	22	3	83	79	<1	11	717	5840	425	69	5	<5	22	88	3	4	1	144	104	077	14	17	21	05	385	097	22	53	029	15	1	01	12	9	<1	<05	10		
STA 02 S03	8	30	7	70	69	122	110	2417	237	103	6	27	30	62	3	7	1	62	285	074	13	24	0	73	281	072	2	1	33	027	07	5	03	44	<1	07	4			
STA 02 S04	8	22	4	33	115	15	125	3649	684	44	4	9	14	84	1	2	<1	173	235	131	11	35	1	93	186	181	12	34	029	19	1	05	15	1	1	<05	16			
STA 02 S05	22	28	6	23	4120	13	216	8575	506	44	5	5	33	112	4	2	2	77	329	064	14	6	0	149	1233	113	22	97	020	07	1	06	14	4	<1	06	14			
STA 02 S06	63	52	8	32	8183	320	120	21238	501	25	8	12	43	50	29	4	5	4	121	143	107	20	27	6	149	472	117	22	73	010	42	2	03	7	7	2	<05	11		
STA 02 S07	7	31	5	11	674	229	214	11080	329	67	1	1	28	10	74	2	5	2	53	365	075	24	63	6	123	492	026	2	1	86	010	23	1	04	6	5	1	<05	5	
STA 02 S08	11	25	7	9	185	217	214	3742	365	79	8	7	6	034	1	8	1	77	55	060	23	22	6	108	193	139	3	2	15	014	49	2	03	5	4	1	<05	7		
STA 02 S09	5	62	0	72	93	114	816	4841	391	66	8	17	5	134	2	6	1	86	65	097	21	20	9	144	181	179	12	29	014	49	2	03	4	3	2	<05	8			
STA 02 S10	3	16	8	47	90	18	014	71043	412	48	9	17	10	866	1	4	<1	96	93	078	29	12	5	159	178	237	3	2	71	011	54	1	04	5	6	2	<05	11		
STA 02 S11	3	67	79	96	15	010	8984	356	40	9	9	15	9	45	1	4	<1	47	88	086	40	6	9	100	170	227	2	2	02	012	72	1	02	1	8	3	<05	8		
STF 02 S01	13	21	8	35	93	<1	47	167854	666	73	11	8	44	61	<1	3	<1	76	112	158	21	4	5	140	764	141	<1	3	14	015	06	1	04	13	2	<1	<05	11		
RE STF 02 S01	11	22	7	37	89	<1	42	161824	662	76	10	15	42	57	<1	3	<1	85	105	151	22	4	5	138	771	138	1	3	00	015	06	1	03	12	1	<1	<05	10		
STF 02 S02	8	37	9	77	55	<1	28	6102	363	274	11	5	9	25	43	79	1	7	1	55	45	060	17	31	358	328	080	1	1	38	023	07	2	04	5	7	<1	<05	5	
STF 02 S03	16	28	3	24	59	<1	17	323	2636	555	36	8	<5	966	<1	3	<1	180	110	088	6	17	3	175	280	157	2	2	79	058	04	1	01	14	7	<1	<05	10		
STF 02 S04	21	41	7	67	80	<1	8	017	5647	589	50	7	11	23	118	<1	2	1	85	100	141	14	9	9	95	892	082	<1	2	57	020	09	1	03	10	3	<1	<05	9	
STF 02 S05	12	28	3	45	90	<1	5	315	4517	583	36	8	<5	27	169	<1	2	<1	71	91	120	14	9	4	87	877	116	<1	2	35	033	11	<1	02	10	7	<1	<05	9	
STF 02 S06	17	22	3	47	101	<1	23	613	8508	499	43	7	<5	20	149	1	3	1	62	88	087	5	33	7	127	650	157	1	2	81	009	19	1	<1	01	5	6	<1	<05	9
STF 02 S07	20	16	6	55	63	<1	8	013	8460	548	23	9	10	21	36	1	2	1	47	78	126	11	5	7	101	544	081	<1	2	15	009	13	1	<1	01	4	1	<1	<05	7
STF 02 S08	13	34	4	69	88	126	313	6697	336	66	9	6	21	83	1	4	2	69	70	053	8	34	7	125	456	071	1	2	17	009	10	1	01	8	7	<1	<05	8		
STF 02 S10	45	47	2	32	9170	244	514	1540	368	254	2	9	10	64	27	5	9	6	122	55	069	22	76	1	96	781	056	<1	2	00	012	25	1	01	7	0	1	<05	9	
STF 02 S11	19	46	8	87	93	238	214	1408	311	24	4	12	10	14	6	36	3	8	2	89	78	058	19	37	274	462	085	1	1	53	019	13	1	04	6	6	1	<05	6	
STF 02 S12	10	16	0	14	760	110	812	3475	369	45	10	<5	19	96	1	2	2	42	78	057	9	19	1	80	200	095	2	1	95	010	10	1	01	7	1	<1	<05	8		
STF 02 S13	3	78	5	46	82	118	218	7757	418	16	6	18	12	117	1	2	1	114	467	161	6	29	12	05	588	204	<1	2	16	018	55	1	02	7	1	1	06	10		
STF 02 S14	3	42	3	11	087	223	917	8584	345	30	4	19	13	92	1	3	1	93	210	093	5	38	1	170	343	203	<1	2	28	022	21	1	03	5	3	1	<05	9		
STF 02 S15	6	49	7	28	675	124	315	4405	329	68	6	3	0	35	67	1	4	3	83	91	060	13	35	2	120	205	141	<1	1	80	022	23	1	03	6	4	1	<05	7	
STF 02 S16	24	24	7	26	2	61	217	413	1538	357	68	7	14	26	82	1	3	4	76	71	076	10	23	0	122	263	161	<1	1	80	023	17	1	01	7	2	1	<05	8	
STS 02 SKA	14	420	3	79	94	336	472	31483	1174	59	3	10	17	75	73	3	6	1	41	120	100	21	46	1	102	168	075	<1	1	37	018	40	<1	03	4	9	2	1	03	7
STS 02 S01A	4	86	6	11	774	118	818	0728	344	55	4	24	22	127	1	4	2	101	118	041	11	15	2	96	201	118	<1	1	69	039	06	1	03	10	4	1	<05	7		
STS 02 S01B	4	81	9	17	8136	216	318	6983	355	54	12	16	33	205	6	5	2	91	77	037	11	17	8	89	132	095	<1	1	69	026	05	<1	07	12	1	<1	<05	7		
STS 02 S02	7	55	5	222	2107	113	58	3828	294	65	9	3	1	81	89	3	2	50	51	319	054	49	21	159	365	045	<1	1	29	010	15	<1	07	5	2	1	<05	7		
STS 02 S03	4	28	7	21	986	129	516	1625	409	59	10	28	10	241	3	3	3	86	149	063	25	71	7	174	413	146	<1	2	42	021	63	<1	04	9	5	2	<05	10		
STS 02 S04	6	33	4	15	9142	145	915	8954	411	86	13	23	13	264	3	4	2	76	77	064	34	78	3	104	331	173	1	2	06	017	39	1	04	8	9	2	<05	10		
STS 02 S05	6	29	8	13	3118	<1	57	418	3845	467	49	7	15	10	346	1	2	1	101	58	104	23	225	1	175	342	134	<1	2	59	012	43	1	01						



Klondike Exploration

FILE # A204219

Page 2



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	
G-1	15	29	26	44	<1	48	43	569	215	9	20	5	45	91	<1	<1	1	44	61	076	9	149	59	247	131	21	09	132	54	25	<01	29	3	11	6	
STS 02 S06	10	210	184	82	126	012	7	554	345	78	516	644	48	1	3	3	71	34	035	12	719	86	291	157	<1	200	014	20	2	01	51	1	12	9		
STS 02 S07	5	415	149	101	134	319	5	691	441	62	12	188	88	123	2	2	1	75	62	065	22	658	117	369	173	12	25	024	36	1	01	60	2	<05	10	
STS 02 S08	7	296	91	83	215	91	1	506	277	71	13	<5	37	32	2	3	1	57	48	048	18	240	59	310	077	<1	151	019	08	1	03	56	1	08	6	
STS 02 S09	5	297	49	60	<1	360	213	308	266	55	4	<5	71	34	<1	2	1	63	60	034	5	808	145	178	177	12	71	014	07	1	01	32	<1	<05	7	
STS 02 S10	5	88	90	50	<1	36	41	331	402	59	6	<5	35	125	1	1	<1	16	237	066	10	46	29	86	079	<1	400	037	16	1	02	114	<1	<05	16	
STS 02 S11	7	202	45	48	<1	145	61	236	438	91	6	<5	38	15	<1	5	1	49	24	039	8	188	40	135	072	<1	171	013	04	1	01	57	<1	<05	8	
STS 02 S12	5	353	32	97	<1	95	222	484	577	55	5	<5	15	61	<1	2	<1	202	110	119	11	87	150	150	165	13	09	050	04	1	<01	125	<1	<05	12	
STS 02 S13A	5	320	231	97	141	219	8	732	395	204	10	<5	136	36	<1	2	3	42	87	051	27	369	85	176	183	22	65	006	11	2	03	45	1	<05	10	
STS 02 S13B	5	270	68	69	128	819	2	512	464	1109	18	<5	182	57	1	1	1	120	150	070	54	413	132	65	201	13	17	010	05	2	06	75	<1	<05	15	
RE STS 02 S13B	5	278	70	65	126	018	5	502	474	1161	20	<5	189	57	1	1	1	114	152	073	54	378	130	65	211	23	23	010	05	2	06	74	<1	<05	15	
STS 02 S14	12	358	43	85	115	923	1	774	444	54	5	<5	39	46	<1	2	1	98	56	076	7	322	169	138	242	12	81	009	99	2	01	27	3	<05	8	
STS 02 S15	4	211	51	114	<1	154	201	1339	610	77	11	811	3	40	<1	6	1	131	78	084	25	249	198	337	229	13	26	011	69	1	01	58	2	<05	13	
STS 02 S16	11	230	102	86	126	413	8	862	302	128	7	<5	86	29	1	7	2	64	41	035	14	356	55	407	067	12	05	013	10	1	02	59	1	<05	6	
STS 02 S17A	20	485	90	166	<1	824	396	2181	529	100	23	28	53	141	2	11	1	88	137	042	50	144	7200	423	112	13	60	019	05	1	09	88	<1	<05	13	
STS 02 S17B	19	441	185	120	<1	338	221	1432	470	61	25	26	116	80	2	7	<1	65	115	087	34	514	130	296	152	12	60	022	06	1	03	37	<1	<05	12	
STS 02 S18	16	161	122	149	<1	96	186	1142	556	70	16	14	111	64	1	4	1	120	125	078	24	203	140	299	263	22	57	024	27	2	02	108	1	<05	12	
STS 02 S19	5	161	22	87	<1	61	184	936	435	16	5	<5	87	48	<1	2	<1	91	74	114	14	97	166	198	290	22	65	013	103	5	01	22	2	<05	8	
STS 02 S20	21	337	196	143	139	821	6	915	605	736	53	744	235	1	2	1	65	118	255	109	47	1233	168	220	33	35	013	33	2	02	50	2	<05	15		
STS 02 S21	33	151	45	148	242	014	5	543	409	128	14	33	53	81	7	7	4	75	231	100	19	277	88	301	061	21	48	035	13	1	06	62	2	07	6	
STS 02 S22	4	286	16	44	122	204	264	458	18	4	8	8	39	<1	2	<1	126	221	167	7	19	114	209	121	11	78	039	09	1	03	60	1	<05	9		
STS 02 S23	9	250	70	65	121	593	357	319	106	6	24	45	25	1	6	2	57	43	030	16	313	56	308	054	<1	192	012	09	2	03	77	1	<05	6		
STS 02 S24	9	299	49	58	116	984	414	412	123	11	26	44	30	<1	6	1	43	54	033	21	222	55	263	096	11	89	019	12	1	05	104	<1	<05	10		
STS 02 S25	5	517	56	65	226	311	9	400	295	110	9	45	41	37	1	6	1	58	56	071	15	269	86	151	113	11	68	021	07	2	07	49	1	<05	6	
YUS 02 S04	4	141	57	56	121	777	312	223	144	7	15	35	34	1	5	1	63	75	076	14	299	52	232	077	2	80	024	06	5	02	27	<1	<05	3		
YUS 02 S26	12	402	271	135	139	014	11239	349	1113	23	29	104	66	6	99	5	38	203	098	17	204	33	767	001	2	48	003	16	2	06	104	3	06	1		
YUS 02 S27	17	409	81	77	230	310	0459	229	146	9	8	1	38	74	4	13	2	46	114	078	15	246	62	546	045	1	94	036	08	4	06	33	1	<05	3	
YUS 02 S28	8	319	71	70	144	711	1421	237	270	8	29	8	33	41	2	9	1	50	69	078	14	453	76	368	073	11	04	027	14	2	04	39	1	<05	4	
YUS 02 S29	7	192	83	69	126	488	315	233	197	8	39	4	1	36	2	8	1	46	64	074	16	310	53	258	070	11	14	023	09	1	05	35	1	<05	4	
YUS 02 S30	4	406	76	78	178	512	5303	220	177	13	13	38	44	3	8	1	60	88	071	14	601	74	275	089	31	37	028	11	2	04	56	1	07	5		
YUS 02 S31	5	332	58	67	138	697	332	247	132	6	20	29	62	3	6	1	51	164	073	12	334	70	193	078	11	16	038	10	3	03	42	1	<05	4		
YUS 02 S32	10	182	75	70	126	010	4351	253	135	7	15	3	33	45	2	7	1	55	92	078	13	284	66	221	076	<1	121	034	07	2	02	35	1	<05	4	
YUS 02 S33	9	290	71	74	128	110	3420	241	162	8	5	33	64	4	8	1	48	142	072	13	278	64	356	069	21	08	039	07	4	04	37	1	08	4		
YUS 02 S34	56	236	9166	571	212	811	5995	325	91	6	3	5	47	70	2	12	33	34	251	087	12	63	58	263	007	2	58	010	28	1	10	69	1	06	4	
STANDARD DS4	62	1201	289	158	332	611	5768	311	228	62	30	5	38	27	53	49	52	70	51	080	15	158	0	58	132	080	21	67	035	16	38	29	37	12	06	6

Sample type SOIL SS80 60C Samples beginning RE are Reruns and RRE are Reject Reruns



GEOCHEMICAL ANALYSIS CERTIFICATE

Klondike Exploration File # A204220

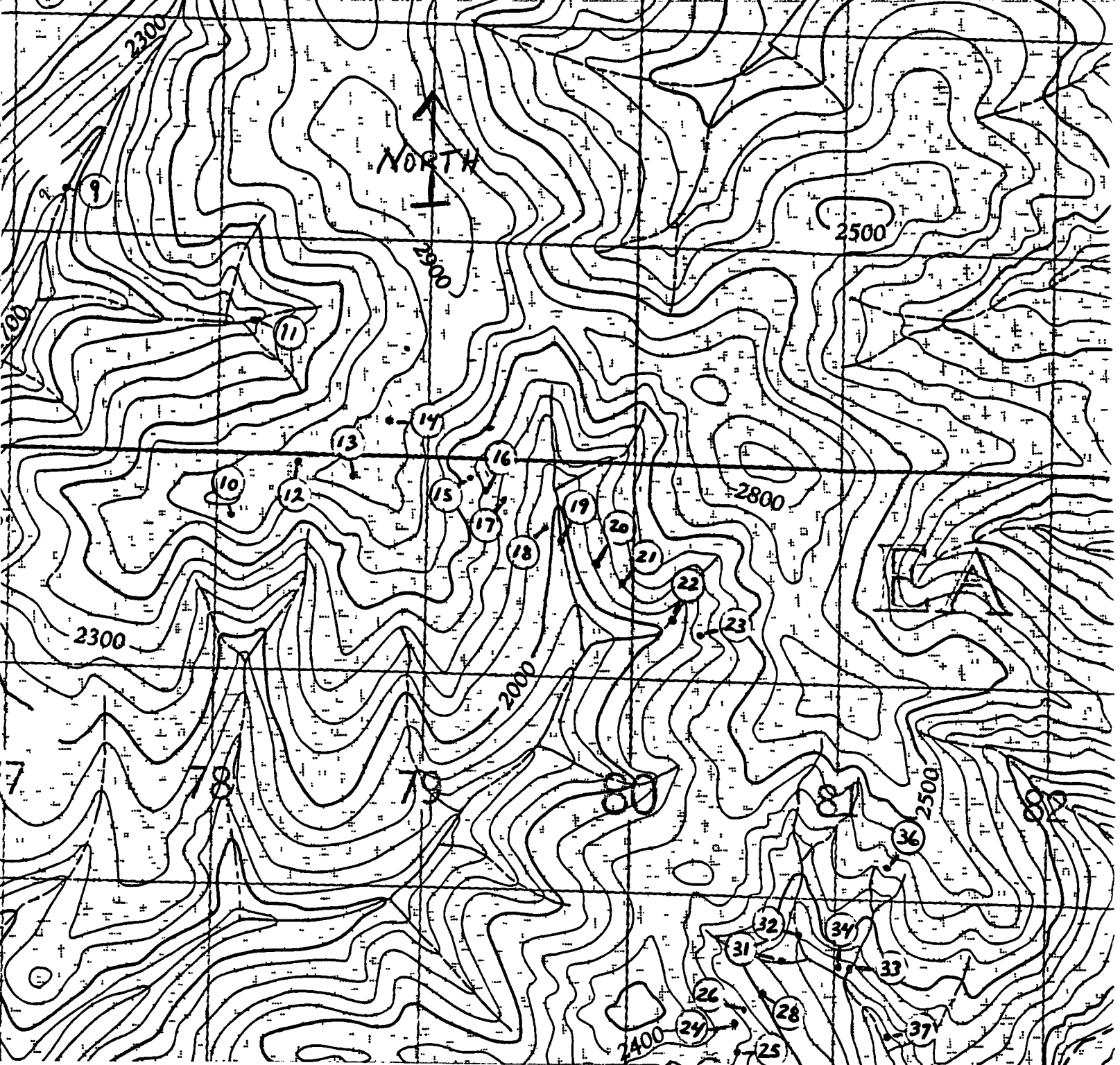
Box 213, Dawson City YT Y0B 1G0 Submitted by: Shawn Ryan



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
G-1	1.3	2.3	2.7	41	<.1	4.3	3.9	506	1.70	9.2	4	1.3	4.7	60	<.1	<.1	.2	37	50	103	7	12.7	.52	210	099	3	79	071	47.2	1	01.3	0	3.0	3<.05	5
STS 02 SS01	5	11.8	4.9	48	.1	12.9	6.1	238	1.63	5.6	8	2.7	4.0	30	2	.3	.1	37	.47	069	15	17.6	.38	199	053	1	92	014	05	3	02.2	4	1<.05	3	
STS 02 SS02	1.1	27.0	6.8	69	.1	22.8	10.6	377	2.45	8.9	8	5.1	3.7	53	2	.5	.1	59	1.13	090	15	25.6	.67	225	085	1	1.15	026	08	4	03.3	5	1<.05	4	
STS 02 SS03	8	13.5	4.0	55	.1	12.6	7.1	526	1.65	4.4	1.8	7.6	3.0	55	1	.2	.1	37	74	073	13	17.4	.48	187	058	1	99	018	07	3	03.2	7	<.1	<.05	3
STF 02 SS09	.7	15.9	10.6	68	.1	16.9	7.2	239	2.05	37.6	1.5	1.4	2.3	68	2	.4	.1	47	1.29	083	11	23.0	.62	356	051	3	1.05	021	09	3	04.3	5	<.1	08	4
STF 02 SS17	.6	19.9	7.6	65	.1	21.4	9.1	352	2.07	8.9	7	1.4	2.7	57	2	.4	.1	48	86	074	12	23.9	.62	309	065	1	1.10	030	07	1	02.3	4	1<.05	4	
STF 02 SS18	1.6	25.3	8.9	99	.1	25.2	11.7	425	2.74	22.6	1.1	.6	2.6	95	5	.3	.1	76	1.11	085	13	35.2	.88	443	055	3	1.27	015	08	2	02.4	6	1<.05	5	
TWF 029 SS01	3	12.0	6.6	47	.1	10.5	6.9	218	1.58	3.0	.6	4.3	3.1	50	1	2	.1	39	.45	055	13	20.0	.50	151	077	1	1.14	012	.08	3	02.3	2	1<.05	4	
TWF 029 SS02	.5	18.4	6.6	55	.1	18.1	8.7	333	2.06	6.0	.7	4.8	3.1	60	1	.4	.1	53	.68	073	14	22.9	.55	195	084	1	1.24	027	08	3	02.3	3	1<.05	4	
TWF 029 SS03	.6	23.2	8.5	72	.1	20.2	11.0	476	2.39	6.6	.9	2.3	3.0	74	2	.4	.1	56	.74	065	14	27.6	.64	243	079	1	1.42	024	.08	2	03.3	8	1<.05	5	
TWF 029 SS04	.7	15.0	6.4	94	.1	20.6	14.8	3513	3.72	10.6	.7	.8	2.4	92	6	.4	.1	56	.90	094	15	24.9	.57	347	062	1	1.24	024	.09	.2	06.3	6	1	07	4
TWF 029 SS05	.4	15.8	7.1	61	.1	16.1	8.6	434	2.05	5.7	.7	3.6	3.1	56	1	.3	.1	49	.67	077	14	23.1	.53	195	079	1	1.29	023	07	3	03.3	6	1<.05	5	
RE TWF 029 SS05	.4	16.4	7.6	63	.1	17.0	8.8	456	2.17	5.9	.8	1.3	3.4	57	1	.4	.1	53	.69	078	15	23.9	.56	199	082	1	1.33	025	07	3	03.3	9	1<.05	4	
TWF 029 SS06	.7	15.9	6.6	65	.1	15.2	9.4	393	2.29	4.7	1.1	.5	3.2	69	1	.2	.1	53	.65	048	13	24.2	.74	238	.082	<.1	1.44	014	09	2	02.3	4	1<.05	6	
TWF 029 SS07	.7	19.9	7.9	73	.1	17.9	11.4	440	2.60	5.9	1.0	1.2	3.5	148	2	.3	.1	59	.68	053	18	28.2	.71	290	.078	1	1.58	016	.09	1	03.4	0	1<.05	6	
TWF 029 SS08	5	16.2	6.6	64	.1	15.7	9.6	348	2.21	4.9	1.0	1.7	2.9	72	1	.3	.1	52	.59	061	13	23.5	.67	197	.087	1	1.36	020	09	2	03.3	5	1<.05	5	
YUS 02 SS05	.7	17.0	6.3	65	.1	21.8	8.0	312	1.92	14.0	.7	17.6	3.2	36	2	.5	.1	45	.72	085	13	24.4	.51	279	.059	1	.86	.020	06	4	04.2	6	.1	07	3
YUS 02 SS06	.8	18.1	5.3	60	.1	20.7	8.0	306	2.07	7.4	.6	1.3	3.6	50	2	.6	.1	52	1.29	104	15	24.4	.62	296	.073	1	.93	.029	06	4	03.2	9	<.1	.10	3
STANDARD DS4	6.6	132.5	31.1	156	.3	34.7	11.8	841	3.16	24.1	6.2	26.9	3.9	31.5	7.5	1.5	.3	78	.56	094	18	161.5	.58	149	.093	1	1.73	.035	17.4	2	.27	3.9	1.1	<.05	6

GROUP 1DA - 20.0 GM SAMPLE LEACHED WITH 120 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 400 ML, ANALYSED BY ICP-MS
UPPER LIMITS - AG, AU, HG, W = 100 PPM, MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM, CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM
- SAMPLE TYPE: SILT SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns

DATE RECEIVED: OCT 2 2002 DATE REPORT MAILED: Oct 11/02 SIGNED BY: C. LEONG, J. WANG, CERTIFIED B.C. ASSAYERS

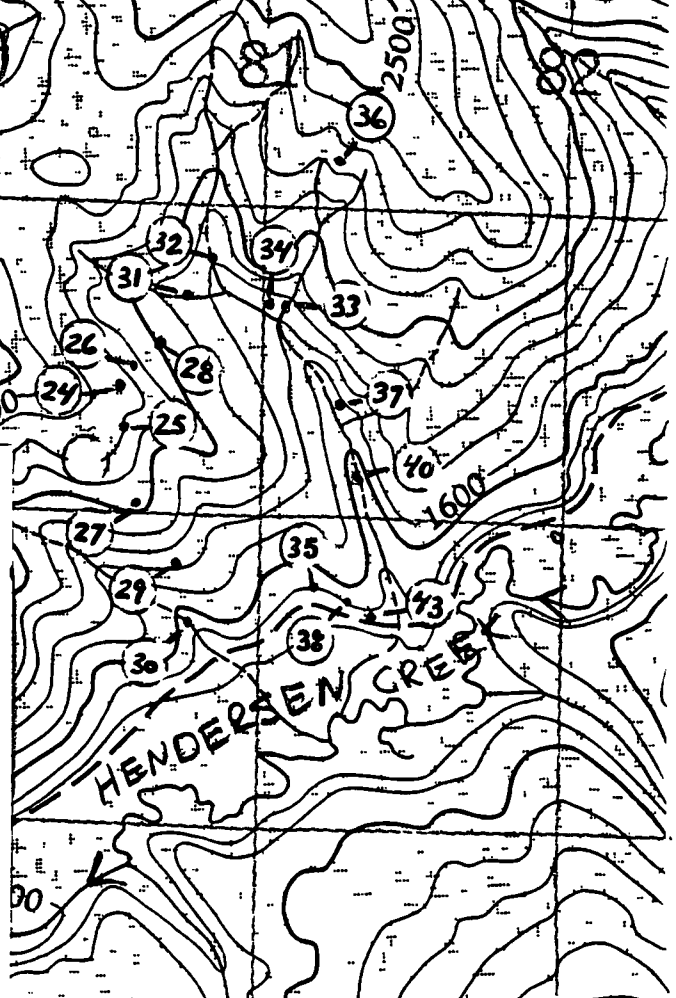


HENDERSON CREEK Soil
SURVEY
2002

ASSAY DATA PLEASE REFER TO
FILE # A205237

NTS # 115 016

1000 m
1-25,000
SCALE



GEOCHEMICAL ANALYSIS CERTIFICATE

Copper Ridge Exploration Inc. PROJECT LUCKY-JOE File # A205237 Page 1

500 - 625 Howe St., Vancouver BC V6C 2T6

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															
AK 35003	7	19	2	5	6	61	< 1	20	4	10	0	355	2	90	6	1	5	2	1	3	3	19	1	4	1	60	22	026	13	32	2	63	168	119	1	1	78	011	07	4	< 01	3	6	1	< 05	6				
AK 35004	7	18	2	4	9	68	1	17	8	13	5	641	3	25	6	4	4	2	4	2	5	18	1	3	1	57	26	059	9	25	0	66	209	156	< 1	1	92	013	24	4	01	3	3	1	< 05	7				
AK 35005	8	27	7	7	1	63	1	22	4	11	4	415	2	98	8	5	8	3	4	4	2	32	1	4	1	70	46	039	17	36	0	71	292	114	1	1	74	014	06	2	01	4	9	1	< 05	6				
AK 35006	2	5	57	5	12	0	183	2	34	6	10	6	507	3	85	2	2	2	9	3	0	8	6	121	3	1	2	120	47	098	35	57	5	1	25	602	178	< 1	2	21	031	70	1	02	5	5	4	21	8	
AK 35007	1	3	56	7	2	5	104	1	10	7	14	1	533	5	09	1	8	1	2	1	3	3	0	121	2	1	2	147	69	123	13	21	7	1	38	669	314	< 1	2	74	039	1	15	1	01	6	6	5	< 05	10
AK 35008	5	12	7	2	0	38	1	10	7	6	9	193	1	69	1	9	3	2	3	1	0	18	1	1	1	54	40	061	6	19	5	52	91	079	1	99	019	07	9	< 01	3	0	1	< 05	4					
LJS 7662541000	1	0	57	3	5	7	99	1	49	5	18	5	555	3	73	3	8	1	0	1	9	4	2	37	2	2	1	86	55	143	17	52	5	1	26	590	210	1	2	07	017	63	2	< 01	3	8	3	< 05	8	
LS 7659340881	7	11	4	3	2	41	1	8	7	5	4	169	1	61	2	3	4	5	1	7	14	1	1	1	1	40	29	052	9	15	0	41	87	076	< 1	89	013	07	7	01	2	3	1	< 05	4					
HEN 7721831220	1	0	30	6	4	4	57	1	11	9	12	3	343	1	98	3	4	8	6	3	3	4	39	1	2	1	50	64	113	13	18	3	56	116	078	< 1	1	00	021	10	4	02	3	4	1	< 05	3			
HEN 7806029676	7	16	1	32	3	106	1	18	3	15	0	559	3	71	4	3	8	8	7	7	38	1	2	3	76	49	094	29	26	4	92	193	187	< 1	2	25	019	49	1	01	4	3	4	< 05	9					
HEN 7811930617	5	19	9	7	6	70	1	14	0	8	9	398	2	22	4	0	1	6	3	1	2	0	75	1	3	1	49	78	070	16	21	4	54	223	077	2	1	33	016	10	2	04	4	3	1	< 05	5			
HEN 7838129933	8	19	4	15	4	233	< 1	6	8	4	3	745	4	24	3	9	1	1	< 5	5	1	34	1	3	1	19	13	028	12	9	4	54	188	154	1	1	75	008	50	< 1	02	14	3	2	< 05	10				
HEN 7863629841	5	23	7	22	2	58	< 1	10	3	4	4	379	2	83	4	3	1	4	2	6	5	2	20	1	3	2	32	11	015	26	15	2	27	130	059	< 1	99	008	09	1	02	7	8	< 1	< 05	4				
HEN 7881130137	4	10	9	13	4	128	< 1	5	9	6	1	845	3	90	3	3	1	3	< 5	13	8	11	< 1	2	1	23	09	027	27	9	8	62	196	228	1	1	75	010	79	< 1	01	11	6	4	< 05	11				
HEN 7919029888	5	31	7	68	2	167	< 1	10	0	6	1	792	3	32	4	0	1	0	2	6	5	3	82	2	3	3	41	30	044	22	13	8	54	287	118	1	1	45	012	38	1	01	11	0	2	< 05	7			
HEN 7928229830	7	11	5	11	5	135	< 1	6	0	7	6	885	4	08	3	0	7	< 5	6	0	26	1	2	1	27	18	043	20	7	5	91	146	298	< 1	1	81	009	1	08	< 1	< 01	14	8	3	< 05	10				
HEN 7938229790	4	28	3	14	3	123	1	5	4	8	3	1110	3	53	3	2	9	1	6	4	6	302	2	2	2	26	2	48	091	25	5	2	83	373	131	1	1	61	026	73	1	03	8	3	2	< 05	8			
HEN 7957529662	7	17	4	11	0	111	1	8	7	8	9	944	3	94	3	3	1	0	2	6	5	6	100	1	3	2	31	32	059	16	10	8	66	458	157	< 1	1	77	012	54	1	02	11	3	2	< 05	8			
HEN 7960829630	8	18	9	14	5	81	1	10	4	7	9	849	2	31	3	0	3	8	2	7	2	3	100	3	2	2	38	83	058	21	17	0	56	213	090	1	1	21	015	21	1	03	5	1	1	< 05	5			
HEN 7981529495	8	19	7	32	7	102	1	11	0	6	1	788	3	35	3	7	1	0	1	3	11	1	16	1	4	3	27	31	055	21	11	6	42	234	098	< 1	1	23	010	39	2	01	8	5	2	< 05	7			
HEN 7994429401	4	23	6	39	3	108	1	14	2	6	4	817	3	31	3	7	2	0	1	0	9	9	20	1	3	3	25	25	046	35	26	4	63	187	138	1	1	40	008	60	1	< 01	10	8	3	< 05	8			
HEN 8014529270	6	17	8	31	4	69	1	16	3	7	6	460	2	55	5	1	8	1	6	4	4	34	1	3	2	44	47	034	19	19	4	61	150	103	1	1	28	017	20	1	03	5	5	1	< 05	6				
RE HEN 8014529270	6	18	1	32	0	73	1	15	0	7	9	475	2	61	5	0	8	1	9	4	5	34	2	4	3	45	48	035	20	20	3	62	156	107	1	1	31	017	21	2	< 01	5	8	1	< 05	6				
HEN 8032029171	9	21	4	29	3	92	1	15	9	8	6	670	3	48	6	8	1	0	1	7	6	1	29	1	4	3	54	41	059	17	26	3	74	267	140	1	1	54	017	36	2	02	7	9	1	< 05	7			
HEN 8052027357	8	2	12	1	75	4	73	1	8	4	10	7	694	5	23	8	1	1	5	8	6	4	89	1	1	7	4	50	59	068	24	9	6	84	517	008	1	2	24	010	04	< 1	< 01	16	4	< 1	< 05	14		
HEN 8053527236	6	13	1	4	4	85	< 1	7	8	15	1	574	6	28	2	4	1	6	6	4	5	69	1	2	1	94	96	119	16	11	1	78	460	133	< 1	2	02	042	12	1	03	16	4	< 1	< 05	11				
HEN 8056327424	9	13	8	17	5	83	< 1	12	6	11	3	398	4	21	5	1	9	2	7	2	3	131	1	5	2	79	1	06	146	10	20	2	83	528	151	< 1	2	08	023	11	2	01	7	9	1	< 05	7			
HEN 8057326972	9	7	2	3	5	34	< 1	16	1	7	6	216	2	88	3	1	8	1	0	2	8	79	< 1	2	1	74	46	073	6	23	1	52	714	115	1	1	58	027	45	1	< 01	8	1	1	< 05	6				
HEN 8065427506	1	1	17	0	4	4	64	< 1	25	5	13	5	433	3	62	3	1	6	6	2	2	65	1	3	1	65	85	116	9	82	0	85	291	074	< 1	1	65	011	09	1	< 01	7	7	< 1	< 05	7				
HEN 8072326804	3	9	9	0	89	8	41	1	6	2	5	3	285	2	57	3	3	1	7	1	6	4	7	168	1	7	3	28	99	055	10	6	3	36	199	021	< 1	1	93	013	07	1	< 01	9	6	< 1	< 05	7		
HEN 80751232																																																		



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
HEN 8104127615	8 8	34 9	15 3	81	< 1	8 9	15 2	368 5	58	7 3	1 6	< 5	5 1	48	1	3	3	76	66	115	19	20 1	64	756	182	1 1	75	028	35	1	< 01	12 4	1	< 05	11
HEN 8117726777A	6	10 0	3 0	59	< 1	9 5	15 6	398 6	49	6 0	1 1	1 9	6 8	42	< 1	4	1	78	92	151	19	8 4	1 29	464	079	<1 2	90	027	11	1	< 01	7 7	< 1	< 05	10
HEN 8117726777B	4	5 6	4 8	68	< 1	2 7	22 2	475 7	55	1 9	1 2	6 6	7 86	< 1	5	2	105 1	23	177	33	2 2	1 57	406	072	<1 3	34	012	08	1	01	13 2	< 1	< 05	12	
HEN 8123428097	4	18 6	12 3	138	1	9 7	8 6	961 4	05	4 1	1 5	< 5	11 6	151	2	3	1	42	33	049	33	15 2	76	323	158	<1 1	96	008	62	< 1	01	9 4	2	< 05	11
HEN 8125827295	2 1	69 1	2 5	274	1	7 1	18 1	1479 6	73	2 2	1 4	2 3	2 7	45	2	1	< 1	158	56	046	15	7 1	1 54	535	282	<1 2	54	017 1	24	< 1	03	14 8	4	< 05	16
HEN 8126828145	7	28 4	19 1	131	< 1	17 2	8 2	507 3	60	8 7	1 2	8 9	0 26	1	4	2	50	31	045	25	24 3	55	152	091	1 1	67	011	28	1	01	8 7	1	< 05	8	
HEN 8128626710	6	18 7	11 8	61	< 1	9 3	6 0	199 1	58	4 8	6 2	0 7	5 20	1	4	2	39	33	053	13	19 2	39	156	059	<1 1	04	012	17	1	< 01	4 2	1	< 05	4	
HEN 8129327063	1 1	18 2	12 2	84	1	21 0	8 7	361 2	37	9 3	1 1	2 7	2 7	55	2	2	2	54	74	059	13	30 5	66	344	077	1 1	32	015	13	1	01	4 4	1	< 05	5
HEN 8131128185	5	71 1	6 9	59	1	11 7	13 7	417 2	66	4 4	3	5 1	5 60	< 1	3	1	83	82	029	5	15 2	65	108	077	1 2	02	038	15	1	01	8 9	< 1	< 05	6	
HEN 8135928284	1 5	55 0	4 5	149	< 1	7 0	11 3	893 7	23	555 5	9	< 5	3 3	26	1	2 7	1	32	40	097	20	10 1	1 15	207	054	1 2	14	010	34	1	02	22 3	2	< 05	16
RE HEN 8135928284	1 5	56 8	4 7	151	< 1	7 4	11 6	881 7	50	562 2	1 0	< 5	3 3	26	1	2 9	1	33	42	103	19	10 2	1 13	198	054	1 2	25	011	34	< 1	02	22 5	2	< 05	16
HEN 8136626647	1 1	18 0	49 4	75	1	22 7	19 8	671 4	87	10 5	6	< 5	1 6	159	1	5	8	161 1	36	049	6	46 4	1 26	562	155	2 3	29	015	21	2	01	14 5	1	< 05	15
HEN 8161328233	1 8	98 1	8 0	294	1	28 1	32 2	1397 7	42	3 1	1 0	1 5	3 1	102	3	2	3	176	53	067	14	86 0	1 94	124	112	2 2	83	038	14	< 1	03	18 7	< 1	< 05	11
STANDARD DS4	6 8	123 1	30 1	162	3	34 1	11 4	809 3	34	22 8	6 1	27 5	3 5	26	5 2	4 7	4 7	77	53	087	17	167 6	60	142	082	2 1	69	030	15	4 0	27	3 7	1 1	06	6

Sample type SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.