

Summary Report of an investigation of Cultus Creek, in the Kluane Lake Map-Area

Location and Access

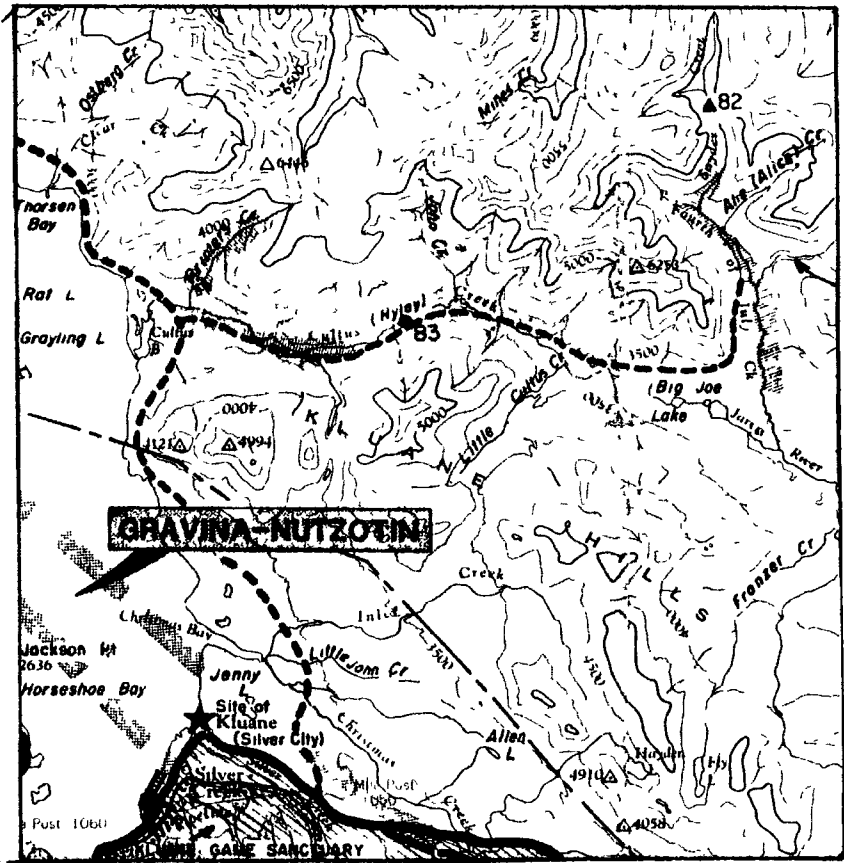
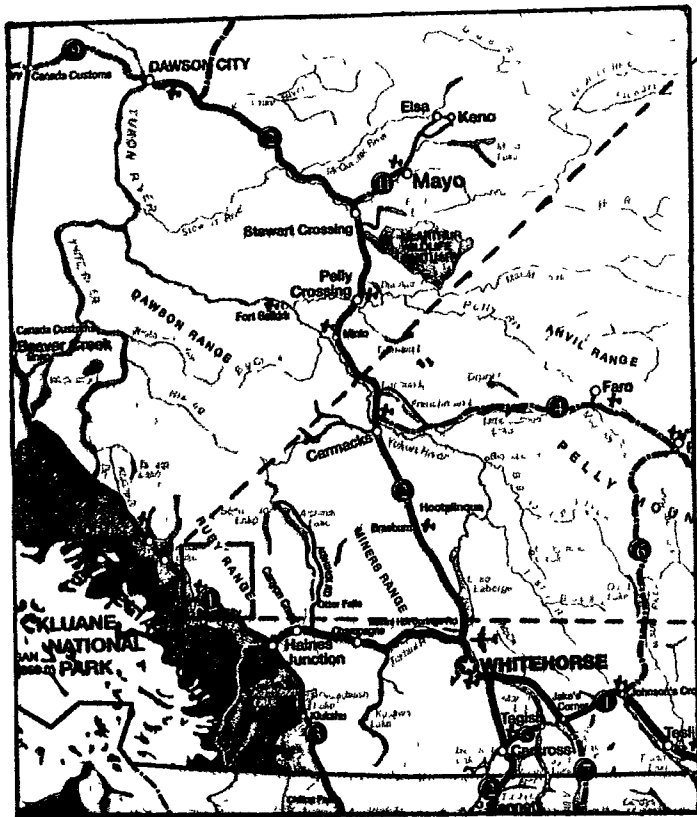
Cultus Creek is located in the Kluane district in the western portion of the Southwestern Yukon. Situated between the Ruby Range to the north and the Kluane Hills to the south, it flows west into Cultus Bay on Kluane Lake. The NTS reference for the area is 115G/1

Access is by a tote road that joins the Alaska Highway at Mile 1050 in the area of Silver City at the south end of Kluane Lake. The nearest services are available in Haines Junction, approximately 30 miles to the southeast along the Alaska Highway(see Figure 1).

General Geology

The geology of the area consists predominately of a north-dipping sequence of metamorphic rocks of schist grade. The rocks make up part of a group of sericitic to biotitic schist and gneiss known as the Kluane schist and are of Jurassic age. They are underlain by granodiorite and allied rocks of the Ruby Range Batholith.

The schists show regular schistosity generally parallel with the original bedding and contain varying quantities of garnets, likely as replacement of the biotite. Several periods of glaciation are evident and bedded deposits of silt and sand indicate that post-glacial lakes also covered the area. Outcrop is consequently limited and often only exposed in cliff faces or along ridge tops. Outcrops generally show a coarse gneissic texture with alternating quartz-feldspar and biotite bands. Quartz laminae up to about 3in. thick are often present and some shearing along the plane of the schistosity is also noted. Some



SCALE 1:250,000

1 Inch to 4 Miles Approximately



Figure 1 - Area Location Map

cross-cutting fracturing was noted, with heavy silicification of the host rocks often occurring in these areas.

The existence of granodiorite in the area is inferred from other reports on the area and direct evidence such as silicification and granitization of the metamorphic rocks. No outcrop was found, but glacial deposits in the area contain numerous cobble to boulder sized examples of a fine to medium grained salt and pepper granodiorite that is likely derived from the Ruby Range Batholith.

Work Done

Exploration of the area was carried out by general prospecting, direct testing and the collection of samples for later geochemical analyses. Direct testing by panning was limited due to unusually low water levels in the creeks of the area.

Traverses were set up to allow for collection of stream sediment samples from the creeks that drain into Cultus Creek and to investigate outcrop on the ridges separating the creeks. Rock and float samples were collected where possible and those showing interesting levels of mineralization were submitted for geochemical analyses (see Appendix 1 and enclosed map for details).

Results and Recommendations

Except for a few colors found by panning on John Creek, before the side creeks dried up around the beginning of June, overall results were fairly disappointing.

One analysis obtained from a stream sediment sample (S22-95) of

an unnamed left limit tributary of Cultus Creek showed a gold value that was 3 times higher than the background average for the area. As this result was only 32ppb for gold, it is not considered to be of very great significance. Again though, extremely dry conditions in the area didn't allow for more extensive testing by panning which may possibly have shown more encouraging results(see Appendix 2 for complete analyses results).

Given the placer activity in the area on 4th of July Creek, Gladstone Creek and Swanson Creek and the proximity of the area to the Killermun Lake prospect it is likely that further hard rock prospects for gold could be identified in this area. Further testing of John Creek and the left limit tributary noted above, if water levels in the area allow, may also result in additional placer activity in this area should gold prices increase by 10 - 15% in the future.

It is recommended that further work in the area should concentrate on identifying possible additional hard rock prospects in the area of John Creek and the unnamed left limit tributary previously noted. This should be accomplished by panning as noted above and further prospecting of the ridges above these area for mineralized outcrop.

Appendix 1 - Summary of Field Work Completed

- Day 1(May 6) - Investigated and sampled old test pits near Cultus Creek in area of reported placer occurrence
- Investigated area surrounding lapsed claims on John Creek and pan tested a number of areas along it and a branch
- Day 2(May 19) - Dug test pit and sluiced resulting materials to further test John Creek
- Day 3(May 20) - Traverse to sample stream sediments of John Creek and its upper branches and to locate and prospect outcroppings exposed along the creek and its branches
- Day 4(May 21) - Attempted further testing of this area by test pits and sluicing Located and mapped outcroppings along tote road that parallels Cultus Creek
- Day 5(June 2) - Traverse to sample stream sediments of unnamed left limit tributary to Cultus Creek and investigate and sample large gossanous outcropping and scree slope
- Day 6(June 3) - Traverse to sample stream sediments of unnamed right limit tributary to Cultus Creek and prospect ridges above the tributary and map outcropping
- Day 7(June 4) - Stream sediment sampling of lower areas of above tributaries not covered during previous traverses because we were walking the ridges to prospect outcroppings Investigation and testing(negative) of additional test pits located along right limit of Cultus Creek
- Day 8(June 23) - Traverse to sample stream sediments of right branch of John Creek and traverse up ridge to check for outcrop and sample upper part of creek
- Day 9(June 24) - Traverse to check Cultus Creek bench terraces for float and across to sample stream sediments of unnamed left limit tributary
- Day 10(June 25) - Traverse up Printers Creek to sample stream sediments in upper areas of the creek above the existing claims Located and unsuccessfully tried to trace some float that appeared to be gossanous schist that had been granitized

16/06/95

Assay Certificate

Page 1

Steve Traynor

WO#27941

Sample #		Au ppb	Cu ppm	Co ppm	Ni ppm	Fe %	As ppm
R01-95		<5	62		49		
S05-95	^	<5	23	9	31	2.45	14
S06-95	^	<5	24	9	30	2.83	<10
S08-95	*	5	33	11	39	3.48	16
S09-95	^	<5	29	9	34	2.56	<10
S10-95		5	30	10	35	2.33	10
S12-95	*	5	21	8	27	2.75	<10
S14-95		5	19	8	23	2.26	<10
S15-95		9	19	8	21	2.19	20
S16-95		7	26	10	31	2.79	13
S17-95		14	24	9	26	2.40	<10
S18-95		6	33	11	33	3.10	14

Note * indicates insufficient -80 mesh fraction. All analyses done on -40 mesh fraction.

^ Analysis of Au only done on -40 mesh fraction.

Certified by






Bondar Clegg

Inchcape Testing Services

Bondar-Clegg & Co. Ltd.
130 Pemberton Avenue
North Vancouver, B. C.
V7P 2R5

Tel: (604) 985-0681

" U R G E N T & C O N F I D E N T I A L "

To: MR. STEVE TRAYNOR
Attention :
Reference :
Submitter : S. TRAYNOR

Our Fax No: (604) 985-1071
Your Fax No: 1-403-667-6784
Number of Pages : 2 including this page.

Report : V95-01631.0 Status : COMPLETE Total number of samples: 6

Element Method	Totl	Element Method	Totl	Element Method	Totl
Au30 30g Fire Assay - AA	6	Cu ATOMIC ABSORPTION	1	As HYDR. GEN/AA	1

Sample Preparations	Totl	Sample Type	Totl	Size Fraction	Totl	Remarks
CRUSH/SPLIT & PULV.	1	STREAM SED, SILT	5	-80	5	
DRY, SIEVE -80	5	ROCK	1	-150	1	

Notes:

CLIENT: MR. STEVE TRAYNOR
REPORT: V95-01631.0 (COMPLETE)

PROJECT: NONE GIVEN
DATE PRINTED: 28-NOV-95 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Cu PPM	As PPM
T1 519-95		5		
T1 520-95		6		
T1 521-95		5		
T1 522-95		32		
T1 523-95		6		
R2 R02-95		22	170	2.1

Notes to accompany Final claim

Summary of Field work completed June 23 - 25, 1995 (see attached field notes for details)

June 23-25, 1995

June 23 - Traverse to sample stream sediments of right branch of John Creek and traverse up ridge to check for outcrop and sample upper part of creek branch

June 24 - Traverse to check Cultus Creek bench terraces for float and across to sample stream of unnamed left limit tributary

June 25 - Traverse up Printers Creek to sample stream sediments in upper areas of the creek above existing claims Located and unsuccessfully tried to trace some float that appeared to be gossanous schist that had been granitized

OB Explor. 3
DATE June 23 195 PAGE

(16) ~~At~~ 3150ft. Stream
Sediment sample in dry
channel right bank
of John Creek, 519-95

- Continued traverse up
ridge and along ~~it~~ it at
6000 ft level. Same old
schist, found some quartz
float that was barren but
nothing in place.

- Dropped down of f
ridge and cross depression
where stream channel S/B
but it was underground

JOB.....

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

Continued to other branch and sampled.

(17) 4325 ft. Stream sed.
Sample in dry channel
570-95

- Spent the evening driving up the road, which was finally open to A14 of July creek.

Road appears to end after a strip around Churchills tailing pond.

May have to consider photo coverage further east.

JOB.....

DATE June 24 1955 PAGE.....

Started traverse from road along river terrace to check for float.

Nothing much found except barren qtz. Dropped down and crossed Cultus

on way to left limit tributary on opposite side. Some rusty

areas in sand bars along this section of Cultus. Good spot to come punning on days to

PARTY CHIEF
WEATHER

W
windo

JOB.....

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

not to be climbing
ridges. Continued
up other side running
parallel to river
terraces to get to
left limit tributary.

(18) 3750 ft Stream sediment
samples in tributary with
~~sample~~ small trickle of water
left in it. Took two
samples as a control test.

521-95 + 522-95.



PARTY CHIEF

WEATHER

JOB.....

DATE June 25/95..... PAGE.....

Used vehicle to relocate
Camp and started
traverse up Printers
Creek. Very difficult
going due to very heavy
back brush. Horse
trail was evident at
beginning but seem to
disappear. Will have to
contact local outfitter
to find out if there is
a maintained trail in the
area.

PARTY CHIEF

WEATHER



JOB..... JO

DATE... PAGE DA

①9 Dropped down to stream
to ~~grab~~ collect samples.

Found and sample some very
interesting mineralized

float. R Ø2-95 and
took stream sediment.

Sample at 3775 ft,
S23-95.

Prospected up creek
bed (dry) to try to
locate more float samples



PARTY CHIEF

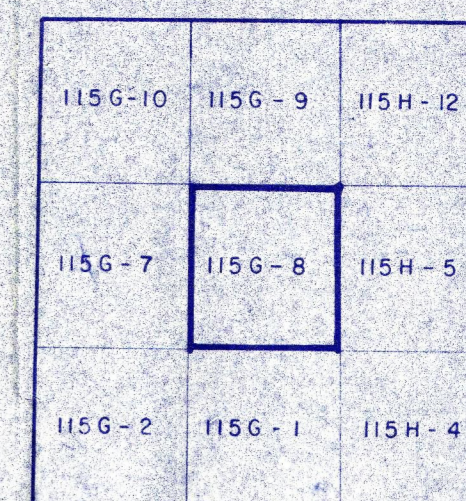
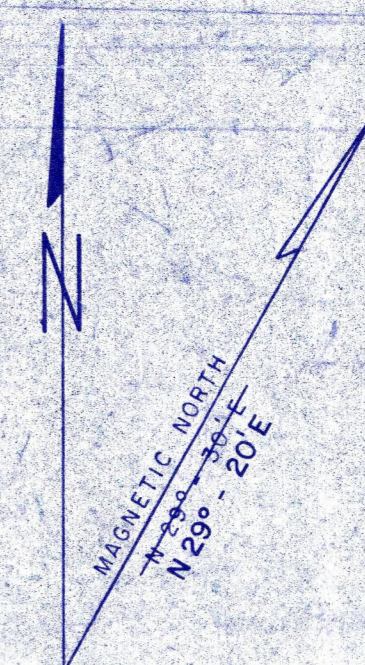
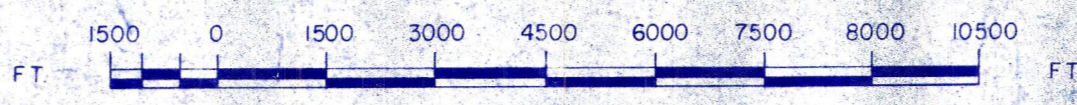
WEATHER

PAR

WEA

AREA I

SCALE 1/2 MILE TO 1 INCH



Approx. area of Study
Stream sediment Sampling
mapping traverses

NOTICE

THIS MAP IS ISSUED AS A PRELIMINARY GUIDE FOR WHICH THE DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT WILL ACCEPT NO RESPONSIBILITY FOR ANY ERRORS, INACCURACIES OR OMISSIONS WHATSOEVER.

01 JUNE 93
02 JULY 92
03 MAY 92
04 APR 92
05 OCT 91
06 AUG 90
07 JUNE 90
08 JUNE 90
09 JUNE 90
10 FEB 90
11 JAN 90
12 NOV 89
13 OCT 89
14 JULY 89
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Note: Entry on certain lands is withdrawn from staking in cross-hatched areas to facilitate the settlement of Native Land Claims without prejudice to Existing Surface and Subsurface Rights.



WHITEHORSE, Y.T.

Dec. 31 1981
Sept. 29 1972
June 25, 1970

23 APR 84
19 MAR 84

