

120172

**Assessment Report for Eugene Curley
Placer Claims in the Mt. Nansen Region (NTS Map Sheet NTS 115 I/3)
January 10 1997**

I Introduction

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On September 4th, 11th and 12th, 1996, exploratory drilling was conducted on claims P32486 (Summit Creek), P23336 (Cabin Creek), and P26395 (Cabin Creek), respectively. The following is a summary of the work conducted on the claims and respective accumulated costs.

Auger drilling was conducted by Midnite Sun Drilling Company of Whitehorse, Yukon. The drill used was a CME rig mounted on a nodwell. The augers were solid stem, and were 5' in length and 6" in diameter.

II Geological Summary of Drillhole Data

Note: Sample numbers (AD-XX) are in brackets behind material description

A. Summit Creek

Three holes were drilled on Summit Creek (Claim P32486)

Hole #1

Total Vertical Feet: 22

- | | |
|------------|--|
| 0 - 5' | Diamicton (AD-29)
- frozen
- yellowish in colour
- very clay-rich |
| 5 - 10' | Diamicton (AD-30 (4-7'); AD-31 (7-10'))
- frozen
- green in colour
- very clay-rich |
| 10 - 12.5' | Diamicton (AD-32)
- same as 5 - 10' |
| 12.5 - 15' | Sandy, Pebble Gravel (AD-33)
- frozen |
| 15 - 20' | Sandy, Pebble Gravel (AD-34 (16-17'); AD-35 (18-20'); AD-36 (19-20'))
- frozen |
| 20 - 22' | Weathered Bedrock (AD-37) |

Hole #2**Total Vertical Feet: 30**

- 0 - 5' Clay-rich organic layer (AD-38)
- frozen
- 5 - 10' Clay-rich organic layer with some cobbles (AD-39)
- frozen
- 10 - 15' Diamicton (AD-40)
- frozen
- yellowish in colour
- 15 - 20' Weathered Bedrock (AD-41)
- 20 - 25' Weathered Bedrock (AD-42)
- 25 - 30' Weathered Bedrock (AD-43)

Hole #3**Total Vertical Feet: 40**

- 1 - 2' Organic-rich sand (AD-44)
- White River Ash present
- unfrozen
- 2 - 4.5' Sand with some pebbles (AD-45)
- unfrozen
- ~ 5' Sand with some pebbles (AD-46)
- some clay and silt present
- unfrozen
- 5 - 10' Muddy silt and sand (AD-47)
- some pebbles, occasional cobbles
- unfrozen
- 10 - 15' Diamicton (AD-48)
- yellowish in colour
- 15 - 20' Diamicton (AD-49)
- yellowish/orange in colour
- 20 - 25' Diamicton (AD-50)
- material is very compact, likely not frozen

- 25 - 30' Diamicton (AD-51)
- unfrozen
- ~ 30' Water table penetrated here
- 30 - 35' Silty sand with some pebbles (AD-52)
- 35 - 40' Silty sand with some pebbles (AD-52, one sample collected from 30 - 40')
- 40 - 45' Sample too contaminated to identify
- water had filled up hole and sampling became impossible

B. Webber Creek

Two holes were drilled on Webber Creek (P23336)

Hole #1 (Bench on southern side of valley)

Total Vertical Feet: 45

- 0 - 5' Organic silt, some sand (AD-177)
- frozen
- 5 - 10' Silt and sand (AD-182)
- frozen
- cohesive
- 10 - 12' Muddy gravel (may be diamicton) (AD-183)
- frozen
- brown in color with greenish tinge
- lot of pebbles, shapes range from angular to rounded
- 12 - 15' Muddy gravel (may be diamicton) (AD-184)
- same as 10 - 12'
- 15 - 20' Diamicton (AD-185)
- appears to be unfrozen
- olive green in color
- fairly cohesive material
- aka "Green Nansen Boulder Clay"
- 20 - 25' Diamicton (AD-186)
- same as 15 - 20'
- 25 - 28' Diamicton (AD-187)
- same as 15 - 20'

- 28 - 30' Silty, pebble gravel (AD-188)
 - reddish colour
 - very angular, broken clasts
 - many red, iron-stained clasts

- 30 - 35' Clay (AD-189)
 - likely weathered bedrock
 - reddish colour
 - very dense

- 35 - 40' Clay (AD-190)
 - same as 30 - 35'

- ~35' Rocks encountered

- 40 - 45' Bedrock
 - sample consisted of broken, angular rocks and powder which came up on auger

Hole #2 (near the old Prospector's Cabin)

Total Vertical Feet: 35

- 0 - 5' Pebbly Sand (AD-192)
 - very thin organic layer at top of auger
 - reddish brown in colour

- 5 - 10' Pebbly Sand (AD-193)
 - more silt than 0 - 5'

- 10 - 15' Pebble Cobble Sand (AD-194)
 - rounded to angular clasts

- 15 - 20' Fine sand with pebbles (AD-195)
 - brownish in colour

- 20 - 25' Very fine sand (AD-196)
 - grey in colour
 - some cobbles and pebbles present
 - clasts range from angular to rounded

- 25 - 27.5' Diamicton (AD-197)
 - intermixed with silt and fine sand
 - brownish in colour

27.5 - 30' Diamicton (AD-198)
- clay-rich
- mixed greenish/yellowish in colour
- angular clasts
- base of auger likely intermixed with weathered bedrock

30 - 35' Weathered bedrock (AD-199)

C. Cabin Creek

Three holes were drilled on Cabin Creek (P26395)

Hole #1

Total Vertical Feet: 13

0 - 5' Pebbly silt and sand (AD-203)
- frozen
- organic-rich

5 - 10' Silt and fine sand (AD-204)
-frozen
- organic-rich

10 - 11' Pebbly silt and sand (AD-205)
- frozen

11 - 13' Diamicton (AD-206)
- frozen
- greenish colour

13' Bedrock encountered

Hole #2

Total Vertical Feet: 35

0 - 5' Organic silt (AD-207)
- frozen

5 - 10' Organic silt and fine sand (AD-208)
- frozen

10 - 15' Pebbly sand (AD-209)

- 15 - 20' Diamicton (AD-210)
- olive-green coloured
- not cohesive
- likely 'green Nansen boulder clay'
- 20 - 25' Diamicton (AD-211 (20-22'); AD-212 (22-25'))
- olive-green coloured
- more cohesive
- likely 'green Nansen boulder clay'
- 25 - 30' Diamicton (AD-213)
- same as 20 - 25'
- 30 - 35' Weathered Bedrock (AD-214)

Hole #3

Total Vertical Feet: 45

- 0 - 5' Pebbly Sand (AD-215)
- coarse sand, silt and some clay
- slightly cohesive
- 5 - 10' Diamicton (AD-216)
- silt and sand matrix
- little cohesion
- olive-coloured
- likely top of 'green Nansen boulder clay'
- unfrozen
- 10 - 15' Diamicton (AD-217)
- olive-coloured
- more cohesion
- unfrozen
- 15 - 20' Diamicton (AD-218)
- silt-rich
- very cohesive
- olive-coloured
- unfrozen
- 20 - 25' Diamicton (AD-219)
- same as 15 - 20'

25 - 30' Diamicton (AD-220)
 - same as 15 - 20'

30 - 35' Diamicton (AD-221)
 - same as 15 - 20'

35 - 40' Diamicton (AD-222)
 - same as 15 - 20', fewer clasts

40 - 45' Diamicton (AD-223)
 - same as 15 - 20', however fewer clasts, almost pure silt

45' Refusal

III Cost Summary of Drilling Program

Drilling:	265' @ \$30.00 per foot =	\$7 950.00
Assays:	40 @ \$25.00 / assay =	\$1 000.00
Labour:	7 days @ \$150.00 per day = (this includes 3 days of drilling and 4 days of panning)	\$1 050.00
Final Report:	2 days @ \$150.00 per day =	\$ 300.00
Total:		\$10 300.00 (CDN)

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