



Occurrence Details

Occurrence Number: 115I 004

Occurrence Name: Five Fingers

Occurrence Type: Hard-rock

Status: Deposit

Date printed: 6/15/2025 7:42:30 AM

General Information

Secondary Commodities: coal

Aliases: Millers

Deposit Type(s): Coal

Location(s): 62°12'9" N - -136°20'25" W

NTS Mapsheet(s): 115I01

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Coal was first noted here in 1887 by G.M. Dawson and first staked as coal lease 214 in Mar/98 by W.T. Edmonds. Restaked as leases 256 and 258 in Nov/99 by J. Cameron and C.E. Miller, who mined several hundred tonnes near surface by 1904. George J. Milton acquired the property in 1905 and formed the Five Fingers Coal CL, which attempted unsuccessfully to diamond drill and then drove two declines (a total of 345 m of development) by 1907. Only a few hundred tonnes were mined and the mine was abandoned in 1908 in favour of the seams at the Tantalus Mine.

The original leases were acquired by Yukon Coal CL and transferred in 1966 to Anvil Mg Corp. L. The surrounding area was acquired in Sep/70 as Coal Exploration Licence 16 by Teslin EL, which performed mapping, drilled one hole (57.3 m) about 1220 m south of the mine in 1971, and staked a coal lease in Nov/73 (2964). The original leases were transferred in 1975 to Cyprus Anvil Mg Corp, which explored with mapping in 1977.

Capsule Geology

Two seams 1.1 and and 1.4 m wide and separated by 7.6 m of rock strike north and dip 16°. The coal occurs within the Lower Jurassic Laberge Formation. A sample analysed by the Department of Mines in 1908 returned 5.29% water, 36.14% volatiles, 40.12% fixed carbon and 18.45% ash, and reportedly produced an excellent, firm, coherent coke. Gross calorific value was reported as 12 100-13 600 G.BTU.

A surface sample taken by Teslin EL from the 1.1 m seam in 1970 assayed 8.4% water, 16.7% ash, 32.8% volatiles, 42.1% fixed carbon and 0.2% sulphur. The coal was found to be non-coking and to have a High Volatile C rank with a dry calorific value of 10 740 BTU/lb.

References

AURUM GEOLOGICAL CONSULTANTS INC., 1994. Yukon Coal Inventory 1994. Energy and Mines Branch, Economic Development, Yukon Territorial Government, 169 p.

ENGINEERING AND MINING JOURNAL, 11 Aug/06.

GEOLOGICAL SURVEY OF CANADA Annual Report 1887, Vol. III, Part B.

GEOLOGICAL SURVEY OF CANADA Memoir 5, p. 53-54.

GEOLOGICAL SURVEY OF CANADA Memoir 189, p. 62-63.

GEOLOGICAL SURVEY OF CANADA Summary Report, 1907, p. 22-23.

MINERAL INDUSTRY REPORT 1977, p. 73.

RESEARCH COUNCIL OF ALBERTA Report 66-6, p. 16.

TESLIN EXPLORATIONS LTD, Mar/71. Assessment Report by E.L. Speelman.

Work History

| Date | Work Type | Comment |
|------------|-----------|---|
| 12/31/1975 | Geology | |
| 12/31/1973 | Other | |
| 12/31/1971 | Drilling | Number of holes drilled: 1 Amount of work done: 57.3 METRES |
| 12/31/1971 | Geology | |
| 12/31/1970 | Other | |
| 12/31/1908 | Other | Mined a few hundred tons, then abandoned. |

| | | |
|------------|-------|--|
| 12/31/1907 | Other | Amount of work done: 345 METRES Completed between 1905 and 1907. |
| 12/31/1904 | Other | Mined several hundred tons from surface by 1904. |

Assessment Reports that overlap occurrence

| Report Number | Year | Title | Worktypes | Holes Drilled | Meters Drilled |
|------------------------|------|--|--|---------------|----------------|
| 097196 | 2017 | Report on Preliminary Reconnaissance of Coal Exploration Licence Areas in the Whitehorse Trough, North-Central Yukon, 2017 | Property Evaluation - Other | | |
| 092031 | 1977 | Report on Preliminary Evaluation Carmacks Coal Project | Property Evaluation - Other, Data Compilation - Pre-existing Data | | |
| 092032 | 1977 | Report on 1977 Reconnaissance of Yukon Coal Occurrences, Report on 1977 Field Program Carmacks Coal Project | Orthophoto - Airphotography, Rotary - Drilling, Drill Cuttings - Geochemistry, Detailed Bedrock Mapping - Geology, EM - Ground Geophysics, Gravity Survey - Ground Geophysics, IP - Ground Geophysics, Resistivity - Ground Geophysics, Petrographic - Lab Work/Physical Studies, Line Cutting - Other | 47 | 3476.85 |
| 019920 | 1971 | 1971 Report on Explorations for Coal in the Carmacks and Nordenskiöld Areas | All Weather Road - Development, Surface, Rock - Geochemistry, IP - Ground Geophysics, Prospecting - Other | | |
| 060582 | 1971 | [Report on Explorations in Nordenskiöld and Carmacks Area] | Diamond - Drilling, Rock - Geochemistry, Detailed Bedrock Mapping - Geology | 1 | 94.50 |
| 060897 | 1970 | Exploration Activities of Norman H. Ursel Associates Ltd. | Rock - Geochemistry, Gamma-ray Spectrometry - Ground Geophysics, Prospecting - Other, Handblast - Trenching | | |

Related References

| Number | Title | Page(s) | Reference Type | Document Type |
|----------------------------|---|---------|--------------------------|--------------------------|
| ARMC020332 | Claim map - Sheet 115-I-1 - Carmacks - Carmacks coal leases | | Property File Collection | Geoscience Map (General) |
| ARMC020334 | Claim map - Sheet 115-I-1 - Carmacks coal leases | | Property File Collection | Geoscience Map (General) |