



Occurrence Details

Occurrence Number: 106E 017

Occurrence Name: Sainville

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 4/29/2025 11:26:44 PM

General Information

Secondary Commodities: coal

Deposit Type(s): Coal

Location(s): 65°53'53" N - -135°4'11" W

NTS Mapsheet(s): 106E14

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

First noted by Count de Sainville in 1893 and examined by the GSC in 1905 and 1962 but apparently not investigated until it was acquired by Cyprus Anvil Mg Corp in Jul/76 as Coal Exploration Licence #47. Both Cyprus Anvil and the GSC conducted detailed mapping and sampling in 1977.

Capsule Geology

Tertiary lignite has been burning at this location since first seen in 1893. Thick beds of soft sandstone with some thin seams of lignite are overlain by more sandstone, containing pebbles with clay and some thick beds of lignite. The whole series has been gently folded. The thickest seam noted was 9 m and occurs in two exposures 6.4 km apart on either limb of a shallow syncline. A second seam 2.4 m thick occurs below the main seam. The outcrops have been extensively burnt and have slumped. The coal occurs within the Upper Paleocene section of the Bonnet Plume Formation.

Norris et al. (1993) estimated that more than one billion tonnes of lignite may underlie the north half of the Bonnet Plume Basin.

References

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

CYPRUS ANVIL MINING CORPORATION, 1977. Assessment Report *#061723 by R.P. Hill and N.J. Russell.

GEOLOGICAL SURVEY OF CANADA Annual Report 1905, Vol.16, Part CC, p. 27-30.

GEOLOGICAL SURVEY OF CANADA Open File 715, 1980.

GEOLOGICAL SURVEY OF CANADA Paper 66-16, p. 59-62; Paper 76-8; Paper 78-1A, p. 399-401.

NORRIS, D.K., ET AL., 1993. The geology, mineral and hydrocarbon potential of the Northern Yukon Territory and Northwestern District of Mackenzie. Geological Survey of Canada Memoir, in press.

Work History

Date	Work Type	Comment
12/31/1977	Geology	
12/31/1977	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
061723	1977	Reconnaissance of Peel River Coal Exploration Licences	Bedrock Mapping - Geology		