



Occurrence Details

Occurrence Number: 105G 094

Occurrence Name: Dwonk

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 12/16/2025 7:47:47 AM

General Information

Secondary Commodities: barite

Deposit Type(s): Sediment hosted Sedimentary Exhalative Zn-Pb-Ag (Sedex)

Location(s): 61°56'48" N - -131°4'49" W

NTS Mapsheet(s): 105G14

Location Comments: 1 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Dwonk cl (YA25521) in Sep/77 by a joint venture between Cyprus Anvil and Hudson's Bay O & GL, which explored with mapping and geochem sampling in 1977, mag and EM surveys in 1978, and 5 holes (891 m) in 1980.

Capsule Geology

The area is underlain by Devonian-Mississippian Earn Group clastic rocks that were deposited in Selwyn Basin, a continental margin basin with thick sequences of black carbonaceous shales deposited in euxinic conditions. Deposition of the Earn Group marks the subsidence of the entire miogeocline, local uplift and faulting that caused the formation of localized secondary basins. Sedex mineralization occurs in close association with extensional tectonism.

Cream-weathering, massive, bedded barite up to 10 m wide with interbedded bands of pyrite up to 10 cm wide occur in an east-trending sequence of Devonian-Mississippian Earn Group clastic rocks in an area of extensive overburden. The 'black clastic' assemblage includes chert pebble conglomerate, black shale, chert and turbidite. Several EM conductors were outlined but magnetic and geochemical response were negative, and no base metal sulphides were intersected in the drilling.

References

BOND, J.D., MURPHY, D.C., COLPRON, M., GORDEY, S.P., PLOUFFE, A., ROOTS, C.F., LIPOVSKY, P.S., STRONGHILL, G., AND ABBOTT, J.G., 2002. Digital compilation of bedrock geology and till geochemistry, northern Finlayson Lake map area, Southeastern Yukon (105G), Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Open File Report, 2002-7(D) and Geological Survey of Canada Open File 4243.

CYPRUS ANVIL MINING CORP., May/78. Assessment Report #090327 by W. Roberts.

CYPRUS ANVIL MINING CORPORATION, 1980. Assessment Report *#090654 by L.C. Pigage

GORDEY, S.P. AND MAKEPEACE, A.J., 2003. Yukon Digital Geology, version 2.0, S.P. Gordey and A.J. Makepeace (comp); Geological Survey of Canada, Open File 1749 and Yukon Geological Survey, Open File 2003-9 (D).

MINERAL INDUSTRY REPORT 1977, p. 88.

MURPHY, D.C. AND PIERCEY, S.J., 1999. Geological map of parts of Finlayson Lake (105G/7, 8 and parts of 1, 2, and 9) and Frances Lake (parts of 105H/5 and 12) map areas, southeastern Yukon (1:100 000-scale). Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Open File 1999-4.

MURPHY, D.C., COLPRON, M., GORDEY, S.P., ROOTS, C.F., ABBOTT, G., AND LIPOVSKY, P.S., 2001. Preliminary bedrock geological map of northern Finlayson Lake area (NTS 105 G) Yukon Territory (1:100 000 scale). Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Open File 2001-33.

MURPHY, D.C., COLPRON, M., ROOTS, C.F., GORDEY, S.P. AND ABBOTT, J.G., 2002. Finlayson Lake Targeted Geoscience Initiative (southeastern Yukon) , Part 1: Bedrock geology. In: Yukon Exploration and Geology 2001, D.S. Emond, L.H. Weston and L.L. Lewis (eds.), Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, p. 189-207.

PIERCEY, S.J., HUNT, J.A. and MURPHY, D.C., 1999. Lithogeochemistry of meta-volcanic rocks from Yukon-Tanana Terrane, Finlayson Lake region, Yukon: Preliminary results. In: Yukon Exploration and Geology 1998, C.F. Roots and D.S. Emond (eds.), Exploration and Geological Services Division, Indian and Northern Affairs Canada, p.125-138.

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 182.

Work History

Date	Work Type	Comment
12/31/1980	Drilling	Five holes, 891 m.
12/31/1978	Ground Geophysics	Also EM survey .
12/31/1977	Geology	
12/31/1977	Geochemistry	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
090327	1978	Geological, Geochemical and Geophysical Report on the Dwonk Group	Soil - Geochemistry, EM - Ground Geophysics, Magnetics - Ground Geophysics, Line Cutting - Other		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC003361	Claim map - Pelmac project - Gonzo claims		Property File Collection	Geoscience Map (General)
ARMC003581	Summary of exploration and development work - 1978 - Dwonk claims		Property File Collection	Report
ARMC003588	Summary of exploration and development work - 1978 - Anvil claim block, North Anvil Range - Urn, MM, JJ, DD, Igle, Howru, Bojo, Dwonk claims		Property File Collection	Report
ARMC003589	Reports for Howru, Dwonk, Chzerpnough and MM properties		Property File Collection	Report
ARMC010235	Outcrop and station location map - Dwonk and Gonzo claims - Figure 3		Property File Collection	Geoscience Map (General)
ARMC009092	Geochemical values map - Cu, Pb, Zn - MacMillan project - Dwonk claims - Figure 5		Property File Collection	Geochemical Map
ARMC009093	Vertical cross-section - Dwonk claims - Figure 6		Property File Collection	Geoscience Map (General)
ARMC009094	Induced polarization survey map - Line 110-E dip pole - dip pole array - Dwonk grid		Property File Collection	Geophysical Map
ARMC009095	Claim map - MacMillan project - Dwonk claims		Property File Collection	Geoscience Map (General)
ARMC009096	Magnetometer profiles map - MacMillan project - Dwonk group		Property File Collection	Geophysical Map
ARMC009097	Horizontal loop E.M. survey profiles map - MacMillan project - Dwonk group		Property File Collection	Geophysical Map
ARMC009098	Dwonk groupMagnetometer values map - MacMillan project - Dwonk group		Property File Collection	Geophysical Map
ARMC009099	Horizontal loop E.M. survey values map - MacMillan project - Dwonk group		Property File Collection	Geophysical Map
ARMC009100	Geology map - MacMillan project - Dwonk group		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014118	Geological and drilling report - Dwonk claim groups - Watson Lake mining district - Yukon Territory - Field work completed from May 26-July 29 1980		Property File Collection	Report
ARMC014119	Report - Dwonk claims		Property File Collection	Report
ARMC014115	Sketch map of Dwonk claims		Property File Collection	Geoscience Map (General)
ARMC011988	Area regional compilation - Geological map - Dwonk & Gonzo claims - Fig. 4		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014120	Cyprus Anvil geochem report - Dwonk claims		Property File Collection	Miscellaneous Company Documents

Drill core at YGS core library

Number	Property	Year Drilled	Core Size	Photos	Data
80-DW-01	Dwonk	1980	BQ	6	1
80-DW-02	Dwonk	1980	NQ-BQ	18	1
80-DW-03	Dwonk	1980	NQ-BQ	28	1
80-DW-05	Dwonk	1980	NQ-BQ	2	2
80-DW-08	Dwonk	1980	NQ-BQ	0	0