



Occurrence Details

Occurrence Number: 106C 019
Occurrence Name: Corn
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 12/15/2025 1:06:54 PM

General Information

Secondary Commodities: copper, lead, silver, zinc
Deposit Type(s): Sediment hosted Mississippi Valley-Type Pb-Zn (MVT)
Location(s): 64°38'22" N - -133°14'27" W
NTS Mapsheet(s): 106C11
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Float from these showings was found in 1968 by Cyprus Exploration Corporation Ltd. It was first staked as PING cl (Y86146) in March/74 by Bow River Resources Ltd & Highhawk Mines Ltd, which conducted mapping, hand trenching and geochemical surveys and acquired the adjoining HW and CAN cl (Y87798) from D. Waugh later in the year. Following hand trenching and an IP survey, Cominco Ltd optioned the property in Jul/75 and drilled 7 holes (525.5 m) later in the year. Adjoining claims staked in Mar/74 include NET cl (Y86400), of Grandora Exploration Ltd to the north and DJ cl (Y86690) of Consolidated Standard Mines Ltd and Yukon Gold Placer Ltd to the southwest, both of which were explored in 1974 with mapping and geochemical sampling.

The option was transferred in 1976 to Coast Copper Company Ltd, which performed EM surveys and drilled 6 holes (465.6 m). In 1971, Grandora Exploration Ltd changed its name to Dora Exploration Ltd. In 1979, Highhawk changed its name to Newhawk Gold Mines Ltd.

In Sept/95 P. Hajek staked Tet cl 1-2 (YB65010), Strata cl 7-8 (YB65012) and Nib cl 1-10 (YB65020) around the occurrence. In Oct/95 Hajek staked Strata cl 1-6 (YB65072).

Capsule Geology

The original claims are underlain by Middle Proterozoic to Silurian carbonate and siliciclastic rocks.

On the PING and HW groups, three galena-sphalerite zones occur within a 320 m thick carbonate unit of Middle to Upper Proterozoic Pinguicula (upper) Group. These rocks are overlain by shale and carbonate that consists of a lower dolomite-limestone-quartzite-siltstone unit and an upper dolomite-conglomerate unit, separated by an angular conformity.

The main showing (Zone 1), which lies 91 m above the base of the lower unit, consists of massive sulphide mineralization that has been brecciated and cemented with secondary dolomite. The zone is about 11 m thick and 38 m long, terminated at either end by minor faults. A chip sample assayed 24% Pb, 11.3% Zn and 150.9 g/t Ag. Five holes tested the zone, two of which intersected 10 m of 7.9% Pb, 14.8% Zn, 61.7 g/t Ag and 5.5 m of 13.9% Pb, 1.3% Zn, 68.6 g/t Ag. One of the other holes cut a 3 m section grading 3.9% Pb and 9.9% Zn, while the others were blank. Mineralization displays both structural and stratigraphic controls (Heon, 2006).

Zone 2 occurs 45 m stratigraphically above Zone 1 and consists of pods of massive sphalerite and disseminated galena in the matrix of a dolomite breccia. Its dimensions are uncertain because it occurs only as float, but a chip sample over a length of 15.2 m assayed 15.8% Pb, 4.7% Zn and 106.3 g/t Ag. Two drill holes cut only weak mineralization.

The third zone consists of massive sphalerite float stratigraphically above the other zones. Two holes were drilled in an IP anomaly and one of these returned 6.2% Pb and 5.7% Zn over 1.2 m. On the Net group, galena occurs in calcite veins cutting both the upper and lower units and weak sphalerite and galena are disseminated in dolomite float.

A quartz vein 2.1 m wide containing 2 to 3% Cu cuts black shale 1.6 to 4.8 km to the northeast.

References

BOW RIVER RESOURCES LTD and HIGHHAWK MINES LTD, 1974. Assessment Report *#061196 by R. Darney and C.K. Ikona.

BOW RIVER RESOURCES LTD and HIGHHAWK MINES LTD, Jan/76. Assessment Report *#061319 by D. Peel.

BOW RIVER RESOURCES LTD AND HIGHHAWK MINES LTD, Feb/75. Assessment Report #061490 by J.W. MacLeod.

COMINCO LTD, 1975. Assessment Report *#090024 by M.S. Travis.

COMINCO LTD, Sep/76. Assessment Reports #091300 by M.S. Travis.

COMINCO LTD, Sep/76. Assessment Reports #091301 by M.S. Travis.

CONSOLIDATED STANDARD MINES LTD, 1974. Assessment Report *#061200 by C.K. Ikona and T. L. Sadlier-Brown.

GEORGE CROSS NEWSLETTER, 17 Dec/74.

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).

GRANDORA EXPLORATIONS LTD, 1974. Assessment Report *#061219 by J.R. Deighton.

HEON, D., 2006. Isotope dating of lead-zinc occurrences in the Bonnet Plume area, Preliminary Report, Yukon Geological Survey, Open File 2006-16.

HIGHHAWK MINES LTD, Feb/75. Vancouver Stock Exchange Open File Report by J.W. MacLeod.

MINERAL INDUSTRY REPORT 1974, p. 52-54; 1975, p. 51-54; 1976, p. 122.

Work History		
Date	Work Type	Comment
12/31/1976	Drilling	Six holes, 456 m.
12/31/1976	Geology	1:12 000 scale.
12/31/1976	Ground Geophysics	Also I.P. survey.
12/31/1976	Trenching	
12/31/1975	Drilling	Seven holes, 525 m.
12/31/1975	Geology	
12/31/1975	Ground Geophysics	
12/31/1975	Trenching	
12/31/1974	Geology	
12/31/1974	Geochemistry	
12/31/1974	Trenching	
12/31/1974	Other	
12/31/1968	Other	Found mineralized float. Not staked.

Assessment Reports that overlap occurrence					
Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
091300	1975	Diamond Drill Assessment Report on the Ping Group of Mineral Claims	Diamond - Drilling, Drill Core - Geochemistry	7	533.40
061490	1975	Ping,Pong and Bat Claims	Research/Summarize - Pre-existing Data		
061207	1974	Report on Geological and Geochemical Field Work 1974 EG Claim Group	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other		
061140	1974	Report on Ping,Pong and Bat Claims	Research/Summarize - Pre-existing Data		
061196	1974	Geological and Geochemical Report on the Ping (1-24) Claims	Rock - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other		