



## Occurrence Details

**Occurrence Number:** 105G 060  
**Occurrence Name:** Jake  
**Occurrence Type:** Hard-rock  
**Status:** Showing  
**Date printed:** 4/30/2025 12:10:09 PM

## General Information

**Secondary Commodities:** copper, lead, silver, zinc  
**Deposit Type(s):** Skarn Pb-Zn  
**Location(s):** 61°46'3" N - 130°2'33" W  
**NTS Mapsheet(s):** 105G16  
**Location Comments:** 1 Kilometres  
**Hand Samples Available:** No  
**Last Reviewed:**

### Capsule

#### Work History

Staked as Jake cl 1-80 (Y16443) by Atlas Explorations Ltd in Oct/66. Restaked as Jake cl 1-80 (YA28765) in Jun/78 by F. Hastings.  
Restaked by D. Brett as JK cl 1-42 (YB56362) in Oct/94. Brett carried out a small prospecting program in the fall of 1995. In Apr/96 Brett optioned the claims to Pacific Bay Minerals Ltd which carried out an helicopter-borne geophysical program, followed by geological mapping, prospecting and geochemical sampling programs later in the year.

#### Capsule Geology

The area has not been re-mapped by the Yukon Geology Program. A geological compilation by Gordey and Makepeace (1999) suggests that the area is underlain by a shallow marine, miogeoclinal sequence of carbonate and clastic sedimentary rocks. The rocks range in age from Upper Proterozoic to Mississippian and form part the Cassiar Platform. The mid-Cretaceous McEvoy granitic plug intrudes the sequence to the west.  
Atlas Exploration mapped over 20 base metal showings on their claim block, most of which consisted of disseminated Cu, Pb and Zn in altered granitic rocks or in quartzite and chert. Selected samples assayed 82.3 g/t to 490.3 g/t Ag, 0.18 to 16.2% Cu and 0.2 to 9.2% Pb and up to 3.6% Zn.  
Prospecting by Harman (1996) and company revealed a 1.5 m wide massive sulphide occurrence of pyrite, chalcopyrite, sphalerite, and minor galena in foliated, gossanous chloritic schist as well as several localities with gossanous boulders in float. Harman did not report any assays.  
Pacific Bay re-mapped the property in 1996. They noted 7 base metal showings which appeared controlled by and localized along, major fault zones cutting miogeoclinal strata. Mineralization mainly occurs as weak to moderate disseminated sulphides commonly associated with various alteration mineral assemblages. The majority of the showings occur in fault or breccia zones associated with faults, although some sulphides are hosted within bull quartz veins. Exact stratigraphic units are uncertain, but Pacific Bay's field descriptions suggests that the mineralization is hosted in Silurian to Middle Devonian quartzite or chert.  
The helicopter-borne geophysical survey outlined 3 large magnetic complexes, 4 conductive horizons and 1 resistivity low. Soil sampling outlined a 1.6 km long by 1.0 km wide anomaly centred over the main area of mineralization. The anomaly was strongly anomalous for Zn, Pb, Cu, Ag, Cd, V and Mo and weakly anomalous for Fe, Mn, Ni and Co. Rock sampling of the various mineralized showings generally confirmed historic values.  
Pacific Bay theorized that mineralization on the claims is intrusive related and a porphyry style deposit may exist at depth.

#### References

ATLAS EXPLORATIONS LTD, 1966. Annual Report, p. 6.  
ATLAS EXPLORATIONS LTD, Oct/67. Assessment Report #019792 by J.S. Brock.  
BRETT, D, Apr/96. Assessment Report #093405 by A.G. Harman.  
GEOLOGICAL SURVEY OF CANADA, Open File 486.  
GORDEY, S.P., AND MAKEPEACE, A.J., 1999. Yukon Digital geology, S.P. Gordey and A.J. Makepeace (comp.); Geological Survey of Canada, Open File D3826, and Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1999-1 (D)  
PACIFIC BAY MINERALS LTD, Apr/97. Assessment Report #093589 by G. Wesa.

### Work History

Date	Work Type	Comment
12/31/1996	Geochemistry	Also lithogeochemical samples.
12/31/1996	Geology	
12/31/1996	Geochemistry	
12/31/1996	Airborne Geophysics	Also VLF-EM survey.
12/31/1995	Other	
12/31/1967	Geochemistry	
12/31/1967	Geoloav	

12/31/1967	Geochemistry	
12/31/1967	Ground Geophysics	Also magnetic survey . Appears to be reconnaissance in nature. No results reported .

### Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
<a href="#">095215</a>	2009	Assessment Report Describing Soil Sampling, Prospecting, Geological Mapping and Hand Trenching at the Jake Property	Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other, Hand - Trenching		
<a href="#">095071</a>	2008	Geological and Geochemical Assessment Report Jake 1-16 Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Regional Bedrock Mapping - Geology, Prospecting - Other		
<a href="#">095015</a>	2007	Assessment Report Describing Geophysical Surveys on the Jake Property	Magnetic - Airborne Geophysics, VTEM - Airborne Geophysics		
<a href="#">094831</a>	2006	Assessment Report Describing Prospecting and Soil Geochemistry at the Jake Property	Soil - Geochemistry, Prospecting - Other		
<a href="#">093517</a>	1996	Report on a Combined Helicopter-Borne Electromagnetic, Magnetic and VLF-EM Survey	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		
<a href="#">093589</a>	1996	Geological and Geochemical Report on the JK Property JK1 to 42 Claims	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
<a href="#">093405</a>	1995	Prospector Report JK Claims	Prospecting - Other		
<a href="#">019792</a>	1967	A Summary of Exploration to September 30, 1967: Sheldon Area, Fire Lake	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Winter Road - Development, Surface, Soil - Geochemistry, Regional Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics, Mechanical - Trenching		

### Related References

Number	Title	Page(s)	Reference Type	Document Type
<a href="#">ARMC017627</a>	Map of McEvoy Lake grid (north side) showing samples taken - AY9R		Property File Collection	Geochemical Map
<a href="#">ARMC017628</a>	Map of McEvoy Lake grid showing samples taken - AY9S-#s		Property File Collection	Geochemical Map
<a href="#">BROCK000051</a>	East Jake group geology - Photo pverlay of A12185-389 - Ross River (Y.T)		Property File Collection	Geoscience Map (Geological - Bedrock)
<a href="#">BROCK000052</a>	Geochemical soil sampling survey - PB contours - E. Jake mineral claims - Sheldon region - Ross River (Y.T)		Property File Collection	Geochemical Map
<a href="#">BROCK000053</a>	Geology - Jake mineral claims		Property File Collection	Geoscience Map (Geological - Bedrock)
<a href="#">BROCK000054</a>	Geochemical results - Cu, Pb, Zn, Ba in PPM - 105 G 16		Property File Collection	Geochemical Map
<a href="#">BROCK000055</a>	Geochemical sample stations - 105 G 16		Property File Collection	Geochemical Map
<a href="#">BROCK000021</a>	Regional geology map with hand-coloured markings - Ross River, Sheldon area		Property File Collection	Geoscience Map (Geological - Bedrock)