



## Occurrence Details

**Occurrence Number:** 105O 033  
**Occurrence Name:** Kelvin  
**Occurrence Type:** Hard-rock  
**Status:** Prospect  
**Date printed:** 4/29/2025 2:23:59 AM

## General Information

**Secondary Commodities:** antimony, gold, lead, silver  
**Aliases:** Bord  
**Deposit Type(s):** Vein Polymetallic Ag-Pb-Zn+/-Au  
**Location(s):** 63°20'12" N - -130°2'59" W  
**NTS Mapsheet(s):** 105O08  
**Location Comments:** 1 Kilometres  
**Hand Samples Available:** Yes  
**Last Reviewed:**

### Capsule

#### Work History

Staked as Bord cl 1-30 (YA42030) in Jul/80 by Kelvin Energy Ltd, which carried out prospecting, geochemical sampling, geological mapping and hand trenching.  
Restaked as Wall cl 1-24 (YA76868) in Oct/82 by AGIP Canada Ltd, which carried out geological mapping, prospecting and geochemical sampling in 1983 and 1989. Following a brief visit in 1990 the claims were allowed to lapse.  
Restaked as Wall cl 1-47 (YB65308) in Mar/96 by Kennecott Canada Exploration Inc, which carried out geochemical sampling, prospecting and geological mapping in 1998.

#### Capsule Geology

The area was originally staked to cover scheelite mineralization in sheeted quartz-tourmaline veinlets cutting a mid-Cretaceous biotite quartz monzonite stock. Subsequent exploration focused on gold-bearing quartz-arsenopyrite veins which occur in hornfelsed Upper Proterozoic to Lower Cambrian Hyland Group shale and siltstone within 100 m of the southeast margin of the stock. Concentric veins parallel to the contact are gold-bearing, whereas radial veins perpendicular to the contact contain only quartz and tourmaline. The mineralized veins have been traced for a strike length of 325 m and have an average thickness of 10 to 20 cm, pinching and swelling horizontally and vertically.  
Gold occurs both in its native form and in arsenopyrite and is accompanied by clay and minor pyrite, muscovite and tourmaline. Wallrocks are altered for up to a metre from the veins. Erratic values up to 17.8 g/t Au have been reported but most gold values are below 3 g/t. A typical specimen assayed 2.4 ppm Au, 3.0 ppm Ag, 150 ppm Sb, 90 ppm Pb and 10 ppm Sn. Kennecott located a third mineralized zone 800 m southeast of the periphery of the stock (1.7 km southeast of the occurrence location). In this area quartz stockwork veining with disseminated and blebby arsenopyrite, pyrite and pyrrhotite cuts quartz-feldspar porphyry dykes over a 60 m wide zone. Grab sampling of this material returned low gold and silver values (peak values of 1.2 g/t Au and 1.2 g/t Ag), although most samples returned anomalously high arsenic values.

#### References

AGIP CANADA LTD, Nov/83. Assessment Report #091494 by A.D. McLaughlin.  
KENNECOTT CANADA EXPLORATION INC, May/99. Assessment Report #093976 by R. Hulstein and F. Andersen.  
YUKON EXPLORATION 1989, p. 79.  
YUKON EXPLORATION AND GEOLOGY 1982, p. 169; 1983, p. 217.  
YUKON GEOLOGY AND EXPLORATION 1979-80, p. 217.

### Work History

| Date       | Work Type | Comment |
|------------|-----------|---------|
| 12/31/1998 | Geology   |         |
| 12/31/1998 | Other     |         |
| 12/31/1998 | Other     |         |
| 12/31/1989 | Geology   |         |
| 12/31/1989 | Other     |         |
| 12/31/1989 | Other     |         |
| 12/31/1983 | Geology   |         |
| 12/31/1983 | Other     |         |
| 12/31/1983 | Other     |         |
| 12/31/1980 | Geology   |         |

|            |           |  |
|------------|-----------|--|
| 12/31/1980 | Trenching |  |
| 12/31/1980 | Other     |  |
| 12/31/1980 | Other     |  |

Assessment Reports that overlap occurrence

| Report Number          | Year | Title   | Worktypes  | Holes Drilled | Meters Drilled |
|------------------------|------|---|--|---------------|----------------|
| <a href="#">093976</a> | 1998 | Assessment Report on the 1998 Geological and Geochemical Investigation of the Wall Property | Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Heavy Mineral Concentrate - Lab Work/Physical Studies |               |                |
| <a href="#">093827</a> | 1997 | 1997 Geological Assessment Report on Emerald Lake Claims                                    | Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry  |               |                |
| <a href="#">091494</a> | 1983 | Assessment Report Wall 1-24 Claims  | Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other  |               |                |
| <a href="#">019035</a> | 1968 | 1968 Progress Report and Proposed Program 1969 Itsi Project                                 | Silt - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other  |               |                |

Related References

| Number                      | Title  | Page(s) | Reference Type           | Document Type            |
|-----------------------------|--|---------|--------------------------|--------------------------|
| <a href="#">BROCK000085</a> | Aeromagnetic series - Map 4361G - Sheet 105O/8 - Keele Peak with handwritten notations |         | Property File Collection | Geoscience Map (General) |