



## Occurrence Details

**Occurrence Number:** 1150 141  
**Occurrence Name:** Gonzales  
**Occurrence Type:** Hard-rock  
**Status:** Showing  
**Date printed:** 12/16/2025 5:59:37 AM

## General Information

**Secondary Commodities:** copper, lead, zinc  
**Deposit Type(s):** Volcanogenic Massive Sulphide (VMS) Kuroko Cu-Pb-Zn  
**Location(s):** 63°56'12" N - -139°25'14" W  
**NTS Mapsheet(s):** 115014  
**Location Comments:** 1 Kilometres  
**Hand Samples Available:** No  
**Last Reviewed:**

### Capsule

Work History

Staked as Syndicate & Plinc cl (YA79198) in Oct/83 by Arbor Res L and Ebony Gold Corp, which conducted geochem, IP, VLF EM and airborne Input EM surveys and drilled one hole (about 100 m) on the boundary of the Syndicate 24/Plinc 21 claims in 1984, and explored with similar grid surveys in 1986.

A. Osborne tied on Osborne cl (YB23641) to the west side of the Plinc claim in Aug/89. Faith ML optioned 50% of Arbor's interests in Jun/89 and performed geochem surveys and trenching later that year.

In the fall of 1990, a joint venture group consisting of Arbor Resources and Faith Mines (Syndicate claims) and Appian Resources and Klondike Reef Mines ('98' claims) conducted IP and resistivity surveys on the southeast boundary of the Syndicate and '98' claims. The Syndicate 1-83 cl, Filler 1-8 cl and Plinc 1-68 cl were optioned to Kennecott Canada Inc in May/93. In Jan/95 Kennecott transferred the claims back to Arbor Resources Inc. Arbor Resources Inc changes name to Klondike Gold Mining Corporation.

Capsule Geology

The northeastern part of the area is underlain by rusty-weathering muscovite-quartz schist (felsic metavolcanic) with some bands of carbonaceous quartz-muscovite schist of the Permian Klondike Schist Assemblage (unit Psqm). These units grade southwest into quartz and feldspar augen-bearing quartz-muscovite schist (felsic metaporphry; unit Psa), and then into gneissic biotite quartz monzonite (Sulphur Creek orthogneiss; unit Pqmg). The geology is interpreted to reflect a sequence of felsic volcanic rocks with interlayered carbonaceous sediments that has been intruded by a quartz monzonite intrusion and its finer-grained, porphyritic equivalents.

The 1984 drillhole tested a geochemical anomaly and intersected quartz-sericite-chlorite schist and graphite schist with disseminated pyrite and trace amounts of sphalerite, galena and chalcopyrite.

The 1990 geophysical survey tested IP and resistivity responses in an area of known placer potential.

References

ARBOR RESOURCES INC., 1984. Assessment Report #091604 by J.P.Hawkins

ARBOR RESOURCES INC., 1985. Assessment Report #091605 by R.A. Gonzales and P. Grunenberg

ARBOR RESOURCES INC., 1987. Assessment Report #091604 by P.E. Walcott

GEORGE CROSS NEWSLETTER, 2 Jun/89; 8 Nov/89.

KLONDIKE REEF MINES LTD et al., 1991. Assessment Report #092972 by D.G. Mark.

MORTENSEN, J.K., Geological Compilation Maps of the Northern Stewart River map area Klondike and Sixtymile Districts (115N/15,16; 115O/13,14 and parts of 115O/15,16). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open file 1996-1 (G).

YUKON EXPLORATION AND GEOLOGY 1984, p. 203-206.

### Work History

| Date       | Work Type         | Comment   |
|------------|-------------------|---|
| 12/31/1990 | Ground Geophysics | Also resistivity survey. Surveys covered southeast boundary of Syndicate and "98" claims. |
| 12/31/1989 | Trenching         |   |
| 12/31/1986 | Ground Geophysics |   |
| 12/31/1984 | Geochemistry      |   |
| 12/31/1984 | Drilling          | One hole, 100 m.  |
| 12/31/1984 | Geochemistry      |   |
| 12/31/1984 | Ground Geophysics | Also magnetic and VLF-Em survey.  |
| 12/31/1984 | Trenching         |   |

|            |                     |                                   |
|------------|---------------------|-----------------------------------|
| 12/13/1987 | Airborne Geophysics | Also magnetic and VLF-em surveys. |
| 12/13/1984 | Airborne Geophysics | Input EM.                         |

### Assessment Reports that overlap occurrence

| Report Number          | Year | Title   | Worktypes  | Holes Drilled | Meters Drilled |
|------------------------|------|---|--|---------------|----------------|
| <a href="#">093321</a> | 1994 | 1994 Annual Report on the Klondike Gold Project   | Magnetic - Airborne Geophysics, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Prospecting - Other, Backhoe - Trenching  |               |                |
| <a href="#">093075</a> | 1992 | Geological, Geochemical and Trenching Report on the Dawson Property   | Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other, Mechanical - Trenching  |               |                |
| <a href="#">092690</a> | 1988 | Geological, Geophysical, Geochemical, and Trench Report for Work Performed by Mark Management Ltd. on the REEF Grid | All Weather Road - Development, Surface, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Line Cutting - Other, Mechanical - Trenching  |               |                |
| <a href="#">091760</a> | 1987 | Report on Combined Helicopter Borne Electromagnetic, Magnetic, and VLF-EM Survey Bonaza-Eldorado Creek Area         | Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, VTEM - Airborne Geophysics  |               |                |
| <a href="#">091757</a> | 1987 | Geological, Geochemical and Diamond Drill Report for Work Performed by Mark Management Ltd. on the Dawson Property  | Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other, Mechanical - Trenching  | 27            | 3151           |
| <a href="#">091753</a> | 1986 | A Report on Magnetic, Electromagnetic and Induced Polarization Surveys  | EM - Ground Geophysics, IP - Ground Geophysics, Magnetics - Ground Geophysics  |               |                |
| <a href="#">091807</a> | 1985 | Geological, Geochemical and Geophysical Report for Work performed by Mark Management on the Dawson Property         | Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics, Heavy Mineral Concentrate - Lab Work/Physical Studies, Petrographic - Lab Work/Physical Studies, Mechanical - Trenching |               |                |
| <a href="#">091616</a> | 1984 | Geological, Geochemical and Geophysical Report for Work Performed by Mark Management Ltd. on the Dawson Property    | Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Heavy Mineral Concentrate - Lab Work/Physical Studies, Mechanical - Trenching  |               |                |
| <a href="#">091546</a> | 1983 | Regional Geochemical and Geophysical Report on the Syndicate, Dawson, William, 83, 98, Wild, and Wild Card Claims   | Magnetic - Airborne Geophysics, Bedrock Mapping - Geology, EM - Ground Geophysics, Heavy Mineral Concentrate - Lab Work/Physical Studies, Data Compilation - Pre-existing Data   |               |                |