



## Occurrence Details

**Occurrence Number:** 116A 037  
**Occurrence Name:** Heidi  
**Occurrence Type:** Hard-rock  
**Status:** Showing  
**Date printed:** 5/31/2025 8:15:10 AM

## General Information

**Secondary Commodities:** antimony, arsenic, bismuth, gold  
**Deposit Type(s):** Plutonic Related Au  
**Location(s):** 64°23'17" N - -137°36'55" W  
**NTS Mapsheet(s):** 116A05  
**Location Comments:** .5 Kilometres  
**Hand Samples Available:** No  
**Last Reviewed:**

### Capsule

#### Work History

The occurrence was originally staked as Heidi cl 1-24 (YB64644) in Aug/95 by Homestake Canada Inc. In Oct/95 the company added Heidi cl 25-101 (YB65121). Homestake carried out a preliminary exploration program in the fall of 1995 and further prospecting, geological mapping and soil sampling in the summer of 1996. In 1998 the company carried out additional geological and geochemical prospecting.

Mar-West Resources Ltd staked Ho cl 1-56 (YB64949) east of the Heidi claims in Sept/95. In Nov/95 the company staked Clare cl 1-65 (YB67641) east of the Ho claims. Both claim groups were refused by the Mining Recorder for the Mayo Mining District.

In Apr & May/96, D. Jacob, R. Quesnel and A. Richer staked Hi cl 17-39 (YB81576) and Hi cl 49-111 (YB81599) for Pacific Galleon Mining Corporation immediately to the south of the Heidi claims. Pacific carried out prospecting, silt and soil sampling in Jun & Jul/96.

#### Capsule Geology

The occurrence is located within the eastern Selwyn Basin and is underlain by Upper Proterozoic to Early Cambrian Hyland Group rocks. Two distinct formations are recognized in the area: the Yusezyu Formation and the Narchilla Formation. The Yusezyu Formation consists of rusty weathering gritty quartzite, sandstone and quartz pebble conglomerate with up to 80 or 90 % rounded quartz grains. Minor interbeds of limestone, calcareous sandstone and shale are common. The Narchilla Formation consists of black, maroon and green shales and slates. This unit is quite distinct and is usually identifiable from a distance. Regionally, mid-Cretaceous Selwyn Suite syenite stocks intrude the Hyland Group rocks.

The Heidi showing consists of 5 - 50 % massive to disseminated arsenopyrite, pyrite and stibnite/jamesonite replacing limestone and calcareous grit units. Irregular, narrow quartz/arsenopyrite veins intersect the mineralized beds and probably channelled the mineralizing fluids into the favourable horizons. The mineralization is quite poddy but is mainly localized within the recumbently folded south limb of the Heidi anticline, near the Yusezyu/Narchilla contact. The mineralization is contained within an area measuring approximately 300m long and 100 m high.

Homestake completed 5 blast trenches (28.5 linear metres) in the fall of 1995 before bad weather forced them to quit for the season. A 1 m chip sample (trench 95-3) collected from extremely rusty and limonite stained siltstone with interbedded grit and containing 1% arsenopyrite and 5% pyrite returned 2.06 g/t Au, 1.4% As, 3 985 ppm Sb and 0.2% Bi. A second 1 m chip sample (trench 95-5) collected from a rusty weathering green sericite and scorodite rich grit returned 2.93 g/t Au, 713 ppm As and 175 ppm Sb.

Geological mapping completed in 1996 uncovered several coarse-grained biotite-feldspar porphyry dykes on the Heidi ridge and near Heidi Lake. Their presence hints that a larger granitic stock may exist at depth beneath the claims. This theory is reinforced by a magnetic anomaly centred over Heidi Lake. Extensive hornfelsing typically associated with Cretaceous granitic stocks was not observed on the Heidi claims, implying that a buried stock would be at least 100m below surface.

Soil sampling outlined two strong Au/As/Sb geochemical anomalies along the ridge extending west from the occurrence. The samples returned values up to 1 150 ppb Au and coincide with heavily mineralized float. Soil sampling on the north slope of Heidi ridge identified 3 moderate to strong anomalies which returned values up to 940 ppb Au and 1 880 ppb As.

Work on the Hi claims to the south by Pacific Galleon during 1996 included prospecting, silt and soil sampling along the south facing cliffs and slopes. The best soil sample returned 17 ppb Au.

The 1998 Homestake field program concentrated on the area east of the known mineralization. Prospecting uncovered an outcrop of feldspar-biotite porphyry but no mineralization. A line of soil samples returned elevated levels of As but only background levels of Au.

#### References

HOMESTAKE CANADA INC, Oct/96. Assessment Report #093536 by R.A. Doherty.

HOMESTAKE CANADA INC, Dec/96. Assessment Reports #093524 and #093518 by D. Bordin, A. Ross and D. Kuran.

HOMESTAKE CANADA INC, Dec/98. Assessment Report #093920 by M. Papageorge.

PACIFIC GALLEON MINING CORP, May/97. Assessment Report #093691 by S. Gower.

### Work History

Date	Work Type	Comment
12/31/1998	Geochemistry	Work confined to area east of occurrence.
12/31/1996	Geology	
12/31/1996	Geochemistry	
12/31/1995	Trenching	Five trenches (28.5 linear m) were blasted.

## Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
<a href="#">095275</a>	2008	2008 MMI Soil Geochemical Report on the Heidi Property	Soil - Geochemistry		
<a href="#">094866</a>	2007	Helicopter Magnetic and Radiometric Survey for Logan Resources Ltd. on the Heidi Claims Project	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics		
<a href="#">095593</a>	2006	Report on Interpretation of Induced Polarization, Magnetic and Horizontal Loop Electromagnetic Geophysical Surveys (To Define Drill Targets) on the Heidi Property	EM - Ground Geophysics, IP - Ground Geophysics, Magnetics - Ground Geophysics		
<a href="#">094542</a>	2004	2004 Geological & Geochemical Report on the Heidi Property	Rock - Geochemistry, Prospecting - Other, Data Compilation - Pre-existing Data		
<a href="#">093524</a>	1996	Assessment Report 1996 Geological and Geochemical Program Heidi Property	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology		
<a href="#">093518</a>	1996	Assessment Report 1996 Geological and Geochemical Program Heidi Property	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology		
<a href="#">093536</a>	1995	Report on the 1995 Trenching Program on the Heidi Claims	Rock - Geochemistry, Handblast - Trenching		