



## Occurrence Details

**Occurrence Number:** 105I 045

**Occurrence Name:** Dorita

**Occurrence Type:** Hard-rock

**Status:** Anomaly

**Date printed:** 6/16/2025 12:33:35 PM

## General Information

**Secondary Commodities:** copper, lead, zinc

**Aliases:** Howards Pass, Prevo, Selwyn Project

**Deposit Type(s):** Sediment hosted Sedimentary Exhalative Zn-Pb-Ag (Sedex)

**Location(s):** 62°36'31" N - -129°38'56" W

**NTS Mapsheet(s):** 105I12

**Location Comments:** .5 Kilometres

**Hand Samples Available:** No

**Last Reviewed:**

### Capsule

#### Work History

\*This occurrence was moved 0.75 km to the southeast in Dec/2010. The new location represents the approximate mid-point of Dynasty Explorations' zinc-lead soil anomaly.

Staked as Prevo cl 1-42 (Y70635) in Dec/72 by Dynasty Explorations Ltd and transferred to the Selwyn Project (Cyprus Anvil Mines Ltd, Cima Resources Ltd, Precambrian Shield Resources Ltd and Numac Oil and Gas Ltd) which carried out geological mapping and geochemical sampling in 1973.

In Dec/72 stakers, staked Nor cl 1-56 (Y71023) to the east while Vestor Explorations Ltd staked UN cl 1-19 (Y71755) to the west. During the same month Golden Gate Exploration staked Kam cl 9-14 (Y70893) and cl 1-8 (Y71485) to the northeast and Bonus Resources Ltd staked Wing cl 17-64 (Y71790) along the northern boundary of the Kam claims. In Mar/73 Vestor Exploration optioned the west half of the Nor claim block (claims 1-13, 20-33 and 40-50) while Mackoo Development Company Ltd optioned the east half (claims 14-19, 34-39 and 51-56). All the claims were explored with geological mapping and geochemical sampling in 1973.

The Prevo and Un groups were partially restaked as OP cl 226-257 (YA441) in Aug/76 by Canex Placer Ltd and as Ohno cl 1-24 (YA25700) in Sep/77 by the Itsi Joint Venture (Union Oil Company of Canada Ltd, Aquitaine Company of Canada Ltd and St. Joseph Exploration Ltd), which carried out geological mapping and geochemical sampling prior to claim staking and MaxMin EM surveying in 1978.

Restaked as Top cl 1-54 (YB49311) in Jun/94 by Archer, Cathro and Associates (1981) Ltd, which did not carry out any work and allowed the claims to lapse the following year.

Restaked as Pot cl 1-56 (YB92506) in Sep/99 by Expatriate Resources Ltd, which completed a compilation of historic geological mapping and geochemical surveying before allowing the claims to lapse in 2001.

In May/2005 Pacifica Resources Ltd entered into a Letter of Intent to purchase a 100% interest in the neighbouring Howard's Pass property for the sum of \$10 000 00 spread over 7 years and a commitment to spend a minimum of \$3 500 00.00 in exploration expenditures. The agreement was signed between Pacifica and Placer Dome (CLA) a wholly owned subsidiary of Placer Dome Inc (51% owner) and Cygnus Mines Ltd (49% owner). Pacifica immediately staked 415 Selwyn claims in order to cover open ground in the Howard's Pass area. The majority of staking occurred at the west end of the property. Selwyn cl 71-185 (YC28057) covers the area surrounding this occurrence and the various historic claim groups. The property agreement between Pacifica Resources and Placer Dome and Cygnus Mines was formally approved in Aug/2005.

Beginning in 2005 Pacifica undertook a multiyear geological mapping and soil and silt sampling program on the Howard's Pass property. Details of this program have not been publicly released. In 2005, as part of larger property wide (53 drill holes, 8 286.9m) drill program Pacifica drilled a single hole (OPX-014 – 229.51m) approximately 0.5 km east of this occurrence. During 2006 Pacifica completed 191 diamond drill holes (40 096.5 m) on the Howard's Pass property. One hole (OPX-15 – unknown depth) was collared 1.0 km due northwest of this occurrence while a second hole (OPX-020 – unknown depth) was collared 2.0 km to the northwest.

On January 29, 2007 Pacifica Resources announced a plan of re-organization in which the Howard's Pass project would be spun off to a new company, Selwyn Resources Ltd and the company's remaining properties would be transferred to a new company Savant Exploration Ltd. Pacifica shareholders received shares in Savant Exploration as compensation for the transfer of assets from Pacifica to Savant. The agreement was approved on May 31, 2007 and completed on June 6, 2007 at which time control of the Howard's Pass property, commonly referred to as the Selwyn Project was transferred to Selwyn Resources and the charter of Pacifica Resources was cancelled. The company conducted extensive exploration programs in 2007 and 2008 on the Selwyn project but the area around this occurrence does not appear to have received any substantial work.

In mid-2009 Selwyn opened discussions with various companies regarding the formation of a possible strategic partnership. The company announced in Dec/2009 that they had signed a binding Framework Agreement with Yunnan Chihong Zinc & Germanium Company Ltd (China), whereby both companies would form a joint venture company to hold all assets associated with the Selwyn project. In return for a 50% interest in the joint venture Yunnan Chihong deposited 100 million dollars in cash irrevocably to a bank account for the joint venture to use to fund development of the Selwyn project. As part of the agreement Yunnan Chihong agreed to fund all of Selwyn Resources direct costs incurred from July 1, 2009 on the Selwyn project. On January 5, 2010 Selwyn Resources announced that they had engaged Wardrop Engineering Inc to start a Phase 1 work program leading to the completion of a National Instrument 43-101 compliant feasibility study on the Selwyn project. The company hopes to complete the study by the end of 2010.

On August 18, 2010 Selwyn announced the completion of the joint venture with Yunnan Chihong and the formation of a new company Selwyn Chihong Mining Ltd. Selwyn Resources transferred all Selwyn Project claims, equipment, permits and licenses to the new company. At the same time the joint management committee approved in principal a predevelopment budget of 89 million dollars for 2010 and 2011. The money will be directed to the advancement of permitting, completion of the feasibility study and related engineering and resource definition drilling of various surface and underground deposits.

#### Capsule Geology

The Selwyn project (Howard's Pass project) is located in eastern Yukon and straddles the Northwest Territories border, approximately 350 km northeast of Whitehorse, Yukon and approximately 80 km north-northwest of the former mining town of Tungsten. Over ninety percent of the property lies in the Yukon. To date Selwyn Resources Ltd has identified 15 lead-zinc deposits over a strike length of 37.5 km.

This occurrence is located on the west side of the Howard's Pass (Selwyn project) property approximately 30 km west of the Yukon-Northwest Territories border. Based on historical work by various exploration companies and more recent geological mapping by Expatriate Resources and Pacifica/Selwyn Resources the occurrence is underlain by four stratigraphic units consisting from oldest to youngest of Upper Cambrian and Lower Ordovician Rabbitkettle Formation limestone; the prospective Lower Ordovician to Middle Silurian Duo Lake Formation shales, mudstone and limestone; Lower to Upper Devonian Portrait Lake Formation shale and chert; and Upper Devonian to Middle Mississippian Prevost Formation shale and sandstone. Zinc-lead mineralization on the Howard's Pass property is hosted by the Active Member, part of the Duo Lake (or more commonly labelled Howard's Pass Formation) Formation which lies in the lower half of the Road River Group. Scattered low strength zinc soil geochemical anomalies have been identified over the occurrence area and to the southeast. This area is underlain by the target Duo Lake Formation. Dynasty Exploration outlined a 1.5 square km area centered over the occurrence location which returned numerous anomalous zinc and lead values (up to 3 600 ppm zinc and 210 ppm lead) with coincident copper values (up to 170 ppm). Silt sampling carried out by the Itsi Joint Venture in 1977 just uphill and to the south of the occurrence location returned values of 3 950 ppm zinc and >4 000 ppm lead.

Pacifica/Selwyn Resources has released few results for the area surrounding this occurrence. Based on Selwyn Resources 2009 Resource Estimate Report Update for the Selwyn Project

(available on SEDAR) diamond drill holes OPX -014, 015 and 020 returned no significant sulphides (see page 123 of report). Detailed geological mapping and geochemical results have not yet been publicly released for this area.

References

DAWSON, K.M., 1990. Regional geological setting of selected mineral deposits of the Northern Cordillera. In: Mineral Deposits of the Northern Canadian Cordillera, Yukon-Northeastern British Columbia, J.G. Abbott and R.J.W. Turner (eds), 8th IAGOD Symposium, Field Trip NO. 14 Guidebook, Geological Survey of Canada Open File 2169, p. 6.

DYNASTY EXPLORATIONS LTD, Jan/73. Assessment Report #019820 by P. Dean.

DYNASTY EXPLORATIONS LTD, Dec/73. Assessment Report #060126 by J.D. Curry.

EXPATRIATE RESOURCES LTD, Sep/2000. Assessment Report #094147 by R.C. Carne.

GOLDEN GATE EXPLORATIONS LTD, 1973. Assessment Report #019845 by H.S. Aikins.

GOLDEN GATE EXPLORATIONS LTD, 1973. Assessment Report #060918 by U. Leis and V. Zachanko.

GOODFELLOW, W.D., and JONASSON, I.R., 1983. Environment of formation of the Howard's Pass (XY) Zn-Pb deposit, Selwyn Basin, Yukon. In: Mineral Deposits of Northern Cordillera, J.A. Morin (ed.), Canadian Institute of Mining and Metallurgy, Special Volume 37, p. 19-50.

GORDEY, S.P., 1992. Geology, Little Nahanni River, Northwest Territories-Yukon Territory. Geological Survey of Canada, Map 1762A, scale 1:250 000.

GORDEY, S.P. and ANDERSON, R.G., 1993. Evolution of the Northern Cordilleran Miogeocline, Nahanni Map Area (1051), Yukon and Northwest Territories. Geological Survey of Canada Memoir 428, 214 p.

ITSI JOINT VENTURE, Apr/78. Assessment Report #090312 by R.J. Cathro.

ITSI JOINT VENTURE, Apr/79. Assessment Report #090453 by R.J. Cathro.

JONASSON, I.R., and GOODFELLOW, W.D., 1983. Sedimentary and digenetic textures, and deformation structures within the sulphide zone of the Howard's Pass (XY) Zn-Pb deposit, Yukon and Northwest Territories. In: Mineral Deposits of Northern Cordillera, J.A. Morin (ed.), Canadian Institute of Mining and Metallurgy, Special Volume 37, p. 51-70.

MAKAOO DEVELOPMENT COMPANY LTD, Dec/73. Assessment Report #060922 by W.F. Petrie.

MAKAOO DEVELOPMENT COMPANY LTD, Mar/74. Assessment Report #061029 by D.P. Taylor.

MINERAL INDUSTRY REPORT 1973, p. 94-95, 104-105, 109; 1977, p. 91; 1978, p. 69.

MORGANTI, J.M., Sep/79. The geology and ore deposits of the Howard's Pass area. Unpublished Ph.D. thesis, University of British Columbia.

PACIFICA RESOURCES LTD, Jun/2005. Technical Evaluation Report for Pacifica Resources Ltd On the Howard's Pass Project Yukon-Northwest Territory Border, Canada by A.A. Burgoyne. (Available on SEDAR).

PACIFICA RESOURCES LTD, May/2006. Assessment Report #094657 by D. Legault, G. Newton and P. Van Bui.

PACIFICA RESOURCES LTD, Mar/2007. Assessment Report #094637 by K. Bailey, J. Betrand and J. De Bryckere.

PACIFICA RESOURCES LTD, News Release, 2 May/2005, 17 May/2005, 21 Jul/2005, 22 Aug/2005, 9 Feb/2006, 13 Feb/2006, 28 Feb/2006, 29 May/2006, 10 Jul/2006, 17 Jan/2007, 18 Jan/2007, 29 Jan/2007, 6 Feb/2007, 2 Apr/2007, 31 May/2007, 6 Jun/2007.

SELWYN RESOURCES LTD, Mar/2008. Update Resource Estimate Report for the Selwyn Project Yukon-NWT, Canada (NTS 105I/06, 11, 12) by C. Pearson and J. O'Donnell. (Available on SEDAR).

SELWYN RESOURCES LTD, Apr/2009. Resource Estimate Report Update for the Selwyn Project Yukon-NWT, Canada (NTS 105I/06, 11, 12) by J. O'Donnell. (Available on SEDAR).

SELWYN RESOURCES LTD., News Release, 4 Dec/2007, 29 Jan/2008, 26 Feb/2009, 14 Dec/2009, 5 Jan/2010, 2 Jun/2010, 18 Aug/2010.

SELWYN RESOURCES LTD., Nov/2010. Web Site: [www.selwynresources.com](http://www.selwynresources.com).

VESTOR EXPLORATIONS LTD, Dec/73. Assessment Report #061276 D.D. Campbell.

VESTOR EXPLORATIONS LTD, Mar/74. Assessment Report #061275 by N. Badham.

YUKON EXPLORATION AND GEOLOGY 2006, p. 22-23, 43, 46, 2007, 20, 38, 42, 2008, p. 17, 32, 37, 2009, p. 47, 57, 58.

Work History

Date	Work Type	Comment
12/31/2006	Drilling	Two holes. Holes OPX-15 and 020. No footages released, part of larger program.
12/31/2005	Drilling	One hole, 229.5 m. Hole OPX-014. Part of larger drill program.
12/31/2005	Geology	Carried out by Pacifica Resources.
12/31/2005	Geochemistry	Also silt sampling. Carried out by Pacifica Resources.
12/31/1999	Studies	Compilation of historic geological mapping and geochemical sampling.
12/31/1978	Ground Geophysics	Maxmin survey.

12/31/1977	Geology	
12/31/1977	Geochemistry	
12/31/1973	Geology	
12/31/1973	Geochemistry	

### Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
<a href="#">094637</a>	2006	Assessment Report Describing Prospecting, Geochemical Sampling and Diamond Drilling on the Selwyn Project	Diamond - Drilling, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Regional Surficial Mapping - Geology	150	30994.70
<a href="#">094657</a>	2005	Assessment Report Describing Prospecting, Geochemical Sampling and Diamond Drilling on the Selwyn Project Property	Diamond - Drilling, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Regional Surficial Mapping - Geology	53	8285.72
<a href="#">094147</a>	2000	Assessment Report Comprised of a Compilation of Historical Geological and Geochemical Surveys on the Pot Claims	Research/Summarize - Pre-existing Data		
<a href="#">090312</a>	1977	Report on Geological Mapping and Geochemical Surveys	Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
<a href="#">097005</a>	1976	Final Report on the 1976 Exploration Program at Howards Pass, Yukon	Access Road - Development, Surface, Diamond - Drilling, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Gravity Survey - Ground Geophysics, Surveying - Other, Mechanical - Trenching	70	9501.23
<a href="#">097007</a>	1975	Final Report on the 1975 Exploration Program at Howards Pass, Yukon	Air Strip - Development, Surface, Diamond - Drilling, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other, Mechanical - Trenching	19	4013.45
<a href="#">019820</a>	1973	Application for Northern Mineral Assistance Grant Proposed Exploration Gull, Pas and Prevo Mineral Claims	Research/Summarize - Pre-existing Data		
<a href="#">061275</a>	1973	Report on the Geology and Mineralization Summit Lake Area, Y.T. - N.W.T.	Silt - Geochemistry, Soil - Geochemistry, Regional Bedrock Mapping - Geology		
<a href="#">060126</a>	1973	Geological and Geochemical Report Prevo Claim Group	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		

### Related References

Number	Title	Page(s)	Reference Type	Document Type
<a href="#">ARMC007996</a>	Claim sketch map - Prevo Group - Figure 2		Property File Collection	Geoscience Map (General)
<a href="#">ARMC016512</a>	Geochemical results overlay map - 105I/12		Property File Collection	Geochemical Map
<a href="#">ARMC016513</a>	Geochemical sample stations overlay map - 105I/12		Property File Collection	Geochemical Map
<a href="#">ARMC016514</a>	Geochem samples overlay maps - 105I/12		Property File Collection	Geochemical Map