



## Occurrence Details

**Occurrence Number:** 105D 037

**Occurrence Name:** Gold Reef

**Occurrence Type:** Hard-rock

**Status:** Prospect

**Date printed:** 12/15/2025 1:07:06 PM

## General Information

**Secondary Commodities:** copper, gold, lead, silver

**Deposit Type(s):** Vein Polymetallic Ag-Pb-Zn+/-Au

**Location(s):** 60°18'1" N - 135°9'2" W

**NTS Mapsheet(s):** 105D06

**Location Comments:** .5 Kilometres

**Hand Samples Available:** No

**Last Reviewed:**

### Capsule

#### Work History

Staked in Jun/06 as Gold Reef (8623) by D. Hodnett and J. Stagar, resulting in the staking of 700 claims within 90 days. Adjoining Custer, Alice M and Ramon claims were staked to the south. By 1909, two adits had been driven 15 m and 30.5 m and several shallow shafts had been sunk. One of the adits was still open in 1972. Restaked as O'Henry cl (18985) and Nader cl (19000) in 1926 by H.A. Butler; as Gold Reef cl in 1936 by C.J. Irvine; as Bill and Jack cl (72398) in Apr/56 by G. Smith and W. Ady; as Star cl (85873) in Jan/64 by P. Poggenburg; as Gold cl (92133) in Jun/65 by Yukon Antimony Company Ltd; and as CC cl (Y33839) in Apr/69 by Mineral Hill Mines Ltd. Yukon Antimony built a bulldozer trail to the showing in 1965. Restaked as Hill cl 1-8 (Y91762) in Dec/74 by T. Jones and J. Higgins, who carried out geological mapping and geochemical sampling in 1976 and trenching in 1982. G. Reynolds tied on Albatros cl (YA61621) and Bluebird cl (YA61622) to the east in Jul/81. Tally-Ho Exploration Ltd purchased the Hill group in 1983 and staked CR cl 1-200 (YA78392) and SR cl 1-7 (YA78747) in Sep/83, and carried out geological mapping, geochemical sampling and trenching on behalf of Wheaton River Joint Venture (Tally-Ho, Euro-Petroleum Corporation and Wesclift Resources Ltd). Wesclift's interest was transferred to Permian Resources Ltd in 1985, when the joint venture carried out additional geological mapping, geochemical sampling, VLF-EM surveying, bulldozer trenching and drilled several percussion holes. T. McCrory tied on Neil cl 1-12 (YA82973) to the west in Sep/84; G. Reynolds staked Mr cl 1-16 (YA85563) to the south in Sep/84; Ranger Pacific Minerals Ltd staked Jill cl 1- 18 (YB08065) to the south in Sep/87; A. Jobin tied on Lien cl 1-4 (YB12823) to the west in Feb/88; and L. Bratvold tied on Cry cl 1-2 (YB20348) to the north in Jul/88. The Neil claims were transferred in 1988 to Ranger Pacific, which carried out geochemical soil sampling and geological mapping of the Neil and Lien claims later that year and prospected on the Jill claims in 1989. In 1990 Academy Resources Ltd acquired a block of claims through staking or option which included the Gold Reef occurrence. Academy drilled 3 holes (128.93 m) on Mr cl 14 in Dec/90. In Jun/94 Academy Resources optioned the Tony, Lil, Neil and Laid claims to Avance International Inc. Avance carried out geochemical soil sampling on the north (Lil cl 15 and 16) and south (Lil cl 1 and 3) grids later in the year. In May/94 R. Quesnel staked Hodett cl 1-20 (YB46782) 1.5 km northwest of Hill claims. The following month E. Bergvinson staked Hodnett cl 21-28 (YB46943). The Hodett claims were restaked as Ho cl 1-30 (YB95941) by Omni Resources Ltd in Jul/96 and immediately carried out prospecting in the vicinity of a drill hole (146.91 m) that was reportedly collared near the summit of Mt. Hodnett in 1990, approximately 3 km northwest of the occurrence location marker (Ho cl 22). Omni staked JTR cl 2-3 (YC08299) on the east side of the Ho claims in Sep/97. The original occurrence was restaked as Sam cl 1-6 (YC08251) by J. Byrne in Sept/97. Later in the month Byrne staked Dam cl 1-18 (YC08301) on the west side of the Sam claims. In Nov/2000 Omni amalgamated with Trumpeter Yukon Gold Inc to form Tagish Lake Gold Corporation, which carried out prospecting and geochemical sampling of the Ho claims in 2002.

#### Capsule Geology

The vein on the Gold Reef claim is 1.2 to 1.5 m wide and locally swells to 4.6 m of solid quartz, concordant with foliation in greenstone and schist of the Triassic Lewes River Group. Small lenses of arsenopyrite, galena, argentite, chalcopyrite and pyrite were found and one small pocket contained coarse free gold, sylvanite and hessite.

On the claims south of the Gold Reef, a quartz vein up to 1.8 m wide was found containing tetrahedrite. Exploration by Wheaton River Joint Venture located a 7 m wide zone containing narrow quartz-galena-tetrahedrite veins cutting carbonate-rich schist. Chip sampling across 5 m returned 377 g/t Ag with weakly to moderately anomalous gold, lead and copper values. Adjacent trenches exposed brecciated limestone containing minor tetrahedrite and galena. Specimens of similar mineralization taken in 1984 assayed up to 23 g/t Au and 1 330 g/t Ag but the trench samples returned low values.

Soil sampling on the Neil and Lien claims in 1989 returned values up to 600 ppb Au.

Avance International collected 410 soil samples. A number of spot highs were obtained (> 40 ppb Au) but these were interpreted to indicate narrow mineralized quartz zones which have little or no continuity. A two phase percussion drilling program was recommended to test the mineralized float train previously discovered on Gold Hill.

Tagish Lake (2003) reports that Omni's 1990 drillhole collared near the summit of Mt. Hodnett intersected 10.67 m of 2.6% Zn and 0.42% Cu from the lower 45.72 m of the hole. Later sampling reportedly carried out on this core returned 5 non-continuous 1.52 m sample that returned 6.17, 5.49, 4.48, 3.46 and 3.46 g/t Au from the upper part of the hole. Grab samples collected in 2002 during confirmation rock sampling in an area approximately 500 m south-southeast of the drill site (TK zone) returned anomalous silver and base metal values, including up to 376.46 g/t Ag, 7.2% Zn, 1.12% Pb, 1.89% Cu, 1 179 ppm Cd and 874 ppm Bi. Soil sampling carried out to the north at this time did not return any significant values.

#### References

ACADEMY RESOURCES LTD, Feb/91. Assessment Report #092927 by J.E. Wallis.

AVANCE INTERNATIONAL INC, Jun/95. Assessment Report #093334 by J.E. Wallis.

DEPARTMENT OF THE INTERIOR, 1907. The Yukon Territory - its history and resources, p. 50.

GEOLOGICAL SURVEY OF CANADA Memoir 31, p. 111-112; Memoir 312, p. 123.

GEOLOGICAL SURVEY OF CANADA, Summary Report 1906, Part A, p. 27.

RANGER PACIFIC MINERALS LTD, Sep/89. Assessment Report #092761 by G. Macdonald.

RANGER PACIFIC MINERALS LTD, Oct/89. Assessment Report #092751 by G. Macdonald.

TAGISH LAKE GOLD CORPORATION, Jan/2003. Assessment Report #094326 by T. VanderWart.

TALLY-HO EXPLORATION LTD, Mar/86. Assessment Report #091793 by G.S. Davidson.

TALLY-HO EXPLORATION LTD, Apr/86. Assessment Report #091801 by G.S. Davidson.

TALLY-HO EXPLORATION LTD, Apr/86. Assessment Report #091817 by G.S. Davidson.

TALLY-HO EXPLORATION LTD, Apr/86. Assessment Report #091818 by G.S. Davidson.

WHEATON RIVER JOINT VENTURE, Apr/85. Assessment Report #091626 by G. Macdonald.

YUKON EXPLORATION 1984-85, p. 167, 182; 1989, p. 30.

## Work History

| Date       | Work Type                | Comment   |
|------------|--------------------------|---|
| 12/31/2002 | Geochemistry             | Also rock sampling.   |
| 12/31/2002 | Other                    |   |
| 12/31/1996 | Other                    | Carried out near location of Omni's 1990 drill hole.                                      |
| 12/31/1994 | Geochemistry             |   |
| 12/31/1990 | Drilling                 | One hole, 146.1 m. Reportedly drilled near summit of Mt. Hodnett. Part of larger program. |
| 12/31/1989 | Other                    |   |
| 12/31/1988 | Geology                  |   |
| 12/31/1988 | Geochemistry             |   |
| 12/31/1985 | Geology                  |   |
| 12/31/1985 | Drilling                 |   |
| 12/31/1985 | Geochemistry             |   |
| 12/31/1985 | Ground Geophysics        | Also VLF survey.  |
| 12/31/1985 | Trenching                |   |
| 12/31/1983 | Geology                  |   |
| 12/31/1983 | Geochemistry             | Also rock sampling.   |
| 12/31/1983 | Trenching                |   |
| 12/31/1982 | Trenching                |   |
| 12/31/1976 | Geology                  |   |
| 12/31/1976 | Geochemistry             |   |
| 12/31/1965 | Trenching                |   |
| 12/13/1989 | Geology                  |   |
| 12/13/1989 | Geochemistry             |   |
| 12/13/1965 | Development, Surface     |   |
| 12/13/1909 | Development, Underground | Two adits dug, 15 m and 30.5 m long.  |

## Assessment Reports that overlap occurrence

| Report Number          | Year | Title  | Worktypes   | Holes Drilled | Meters Drilled |
|------------------------|------|--|---|---------------|----------------|
| <a href="#">093334</a> | 1994 | Summary Report 1994 Geochemical Survey Gold Hill Property  | Soil - Geochemistry, Line Cutting - Other   |               |                |
| <a href="#">092927</a> | 1990 | Diamond Drill Report on the Gold Hill Property             | All Weather Road - Development, Surface, Diamond - Drilling   | 3             | 128.90         |
| <a href="#">091626</a> | 1984 | Summary Report on Wheaton River Joint Venture Property     | All Weather Road - Development, Surface, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Line Cutting - Other, Prospecting - Other, Mechanical - Trenching |               |                |
| <a href="#">061617</a> | 1976 | [Summary of Geological Survey on the Dail and Hill Claims] | Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other   |               |                |
| <a href="#">018876</a> | 1968 | Report on the 210 Claim Property                           | Diamond - Drilling, Drill Core - Geochemistry   | 3             | 370.94         |