



## Occurrence Details

**Occurrence Number:** 115O 097  
**Occurrence Name:** Thirteen  
**Occurrence Type:** Hard-rock  
**Status:** Anomaly  
**Date printed:** 12/16/2025 5:57:19 PM

## General Information

**Secondary Commodities:** arsenic, gold  
**Deposit Type(s):** Unknown  
**Location(s):** 63°32'5" N - 139°59'37" W  
**NTS Mapsheet(s):** 115O12  
**Location Comments:** .5 Kilometres  
**Hand Samples Available:** No  
**Last Reviewed:**

### Capsule

#### Work History

Staked as Dona cl 1-16 (YA9549) in Oct/76 by J. Edgar. D. Hermanutz staked Sleeper cl 1-6 (YB39958) 2.7 km to the southeast in Mar/91; restaked them as Sleeper cl 1-6 (YB40571) in May/92; and as Sleeper cl 7-8 (YB41918) in May/93.  
Restaked as TPD cl 1-14 (YC07554) in Jul/98 by 17363 Yukon Inc.  
In Mar/99 Prime Properties staked Mojo cl 1-20 (YC13249) 1.5 km to the south and subsequently optioned them to Prospector International Resources Inc. Prospector carried out prospecting and geochemical sampling later in the year and staked Mojo cl 21-36 (YC17436) contiguously to the northeast of the Mojo claims in Aug/99.  
Teck Corporation staked Five cl 1-10 (YC17377) on the southeast boundary of the Mojo claims in Aug/99 and carried out a single line of geochemical soil sampling over the claims in 2000. The occurrence itself was restaked as Flume cl 246-313 (YC17544) in Sep/99 by Phelps Dodge Corporation of Canada Ltd which carried out geochemical soil and rock sampling in 2000. The company focused the majority of its efforts in the area on other previously staked Flume claims further to the southwest (Minfile Occurrences #115N 110 and #115N 163). The Flume claims surrounding the occurrence lapsed in Sep/2002.  
S. Ryan staked Dime cl 1-48 (YC86546) 1 km to the southeast in Apr/2009. Ryan added Dime cl 49-128 (YC86593) in Jun/2009. In Jul/2009 Ryan optioned the claims to Stina Resources Ltd for cash, shares and certain work commitments.

#### Capsule Geology

The geology of the Stewart River Area was remapped by J. Ryan and S. Gordey (2004) of the Geological Survey of Canada beginning in 2000 as a component of the Ancient Pacific Margin NATMAP Project. The NATMAP Project is an interagency project initiated by the Geological Survey of Canada, Yukon Geology Program (now Yukon Geological Survey) and British Columbia Geological Survey Branch to understand the composition, relationships and metallogenic of poorly understood pericratonic terranes lying between the ancestral North American margin and those known with more certainty to be tectonically accreted. The Stewart River component focuses on the Yukon-Tanana terrane, comprising complexly deformed mostly (?) Paleozoic meta-igneous and metasedimentary rocks. In 2005 S. Gordey and J. Ryan released a geological compilation map for the Stewart River area. The map units generally remained the same as the 2004 geology map but age dates were changed to reflect new dates obtained through geochronology data.  
J. Ryan reported that the Stewart River area is underlain by twice-transposed, amphibolite-facies gneiss and schist of mostly (?) Paleozoic age. These are intruded by younger plutonic rocks (Jurassic, Cretaceous and Eocene) and overlain by upper Cretaceous volcanic rocks. Metasiliclastic rocks are widespread and dominated by psammite and quartzite, with lesser pelite and rare conglomerate. Preliminary detrital zircon geochronology and geochronology for plutonic rocks constrain the siliclastic rocks to the Middle Paleozoic. Amphibolite interdigitates with and stratigraphically overlies the siliclastic rocks. Marble horizons (?? reefs) occurs within the amphibolite and siliclastic rocks. Orthogneissic rocks with diorite, tonalite and granodiorite protoliths intrude both the siliclastic and amphibole assemblages; it is interpreted as a subvolcanic intrusive complex.  
Geological mapping by S. Gordey and J. Ryan shows the occurrence is underlain by a band of marble which is interlayered with more regionally extensive quartz-mica schist. North and south of the occurrence the rocks are intruded by Devonian to Mississippian tonalitic or intermediate to mafic orthogneiss. A large mid-Cretaceous biotite-quartz monzonite stock intrudes the sequence 4 km to the south. Eocene age quartz feldspar porphyry dykes likely also occur in the area.  
Sampling on the Mojo claims, across a regional magnetic low feature that bisects the claims, returned a single station gold anomaly of 87.1 ppb. This sample also returned an arsenic value of 778.8 ppm. Samples collected over the center of the feature returned arsenic values ranging from 54.1 to 198 ppm.  
Soil sampling by Teck on the Five claims (located to the south) and by Phelps Dodge on the Flume cl 246-313 returned a number of weak arsenic anomalies, but no significant gold anomalies. Rock samples collected from both claim groups did not contain anomalous values for either gold or arsenic.

#### References

GORDEY, S.P. AND MAKEPEACE, A.J. 2003: Yukon Digital Geology, version 2.0, S.P. Gordey and A.J. Makepeace (comp); Geological Survey of Canada, Open File 1749 and Yukon Geological Survey, Open File 2003-9 (D).

GORDEY, S.P. AND RYAN, J.J. 2005. Geology, Stewart River Area (115N, 115 O and part of 115J), Yukon Territory; Geological Survey of Canada, Open File 4970, scale 1:250 000.

PHELPS DODGE CORPORATION OF CANADA LTD, Mar/2001. Assessment Report #094202 by G. Kulla.

PROSPECTOR INTERNATIONAL RESOURCES INC, Jan/2000. Assessment Report #094071 by B.J. Jaworski and B. Meyer.

RYAN, J.J. AND GORDEY, S.P., 2002: Bedrock geology of Yukon-Tanana terrane in southern Stewart River map area, Yukon Territory; Geological Survey of Canada, Current Research 2002-A1, 11 p.

Ryan, J.J. ET AL., 2003: Update on bedrock geological mapping of the Yukon-Tanana terrane, southern Stewart River map area, Yukon Territory; Geological Survey of Canada, Current Research 2003-A9, 7 p.

Ryan, J.J. AND GORDEY, S.P., 2004; Geology Stewart River Area (Parts of 115N/1, 2, 7,8 and 115O/2- 12), Yukon Territory; Geological Survey of Canada, Open file 4641, scale 1:100 000.

STINA RESOURCES LTD, News Release. 23 Jul/2009.

STINA RESOURCES LTD, Nov/2009. Web Site: [www.stinaresources.com](http://www.stinaresources.com).

TECK CORPORATION, Jan/2001. Assessment Report #094163 by J. Pautler.

TEMPELMAN-KLUITT, D.J., 1974. Reconnaissance geology of Aishihik Lake, Snag and part of Stewart River map-areas, west-central Yukon. Department of Energy Mines and Resources; Geological Survey of Canada Paper 73-41, 97 p.

YUKON EXPLORATION AND GEOLOGY 1999, p. 16.

## Work History

Date	Work Type	Comment
12/31/2000	Geochemistry	On Flume claims.
12/31/2000	Geochemistry	On Flume claims.
12/31/1999	Other	
12/31/1999	Other	

## Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
<a href="#">094447</a>	2003	2003 Geological and Geochemical Report on the Flume-Ten Property, Yukon Territory	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
<a href="#">094163</a>	2000	2000 Geological and Geochemical Report on the Ten Mile Creek Property	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
<a href="#">094202</a>	2000	Geological and Geochemical Report on the Flume Group of Mineral Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other, Backhoe - Trenching, Hand - Trenching		
<a href="#">094071</a>	1999	Geological and Geochemical Report on the Ten Mile Creek-Intrusion Related Gold Target-West Central Yukon Territory	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Petrographic - Lab Work/Physical Studies		