



## Occurrence Details

**Occurrence Number:** 105N 002  
**Occurrence Name:** Armstrong  
**Occurrence Type:** Hard-rock  
**Status:** Anomaly  
**Date printed:** 8/6/2025 1:46:12 AM

## General Information

**Secondary Commodities:** gold, lead, silver, tin, tungsten  
**Aliases:** Russell, Luke  
**Deposit Type(s):** Unknown  
**Location(s):** 63°6'59.18" N - -133°25'6.37" W  
**NTS Mapsheet(s):** 105N03  
**Location Comments:** Location is a best guess. Records are unclear.  
**Hand Samples Available:** Yes  
**Last Reviewed:** Aug 11, 2015

## Capsule

### Work History

The early history of the occurrence area has been well documented by H.S. Bostock in: A History of Russell Creek, Yukon Territory released in 1973. The only additional early information is a record in the Dawson Recording Office of the Jessie Copper claim (3008), which was recorded in Jul/03 by F.R. Alley 0.4 km east of Russell Creek at a point 16 km above the mouth.

Hudson Bay Mining & Smelting Ltd staked Deb cl 1-6 (Y31501), in the area in Oct/68.

Noranda staked Ram cl 1-16 (YA76562) in Jul/82 over the junction of Russell and Limestone Creeks, in conjunction with placer mining.

Bernie Kreft explored the area in 1996 as part of a Yukon Mining Incentive Program grant.

Staked within Luke cl 1-32 (YD01127) by in Nov/2010 by Strategic Metals Ltd. On March 2, 2011 the company optioned the claims to New Dimension Resources Ltd in return for cash, shares and certain work commitments. The claims were included within a larger number of claim groups optioned from Strategic Metals, collectively known as the Lansing Project.

In 2011 New Dimension Resources collected silt and contour soil samples over the Luke claims. No further work was carried out and the claims were eventually dropped.

### Capsule Geology

The area is located approximately 13 km southwest of Mount Armstrong at the junction of Russell and Limestone Creeks in east central Yukon. Access is by helicopter.

The occurrence area lies within northern Selwyn Basin, a predominately off-shelf metasedimentary and metavolcanic sequence that formed on the western margin of the North American craton from Upper Proterozoic to Lower Paleozoic times. C. Roots a geologist employed by the Geological Survey of Canada and seconded to the Yukon Geological Survey remapped the Lansing map sheet (105N,) during the mid to late 1990's. In 2003 Roots released the completed 1:250 000 scale map.

The Luke claims are underlain by folded Hyland Group quartzose clastic rocks (PCH4) which conformably surround limestone horizons (PCH2). A steeply-dipping, southeast-trending fault crosses the northeast part of the claim block.

H.S. Bostock wrote, "A history of Russel Creek, Yukon Territory" using information gleamed from diaries written by Lieutenant Colonel Neville Alexander Drummond Armstrong who prospected and placer mined on Russell Creek between 1901 and 1926. On page 25 of the report, Armstrong reports that while prospecting two newly staked placer leases he discovered a boulder carrying high grade silver. Although not been specified, it was assumed the boulder was found in the creek.

Yukon Exploration and/or Geology volumes published in the 1980's show the Armstrong occurrence located northwest of the junction between Russell and Limestone Creeks in an area above the creeks. This occurrence appears to mark a minor tungsten-copper skarn occurrence within the limestone horizons. The reference for this occurrence appears to be incorrect. Mulligan, (1975, p.74) refers to heavy mineral concentrate samples collected from two streams draining Mount Armstrong to the north. Thus the exact location of the original occurrence is unknown.

In August 2015 the Armstrong occurrence was moved to the northwest stream bank located at the junction of Russel and Limestone creeks. Minor amounts of gold, scheelite and cassiterite have been recovered in the area by placer miners.

No records can be found regarding whether Hudson Bay Mining and Smelting ever carried out any work on the Deb claims. Noranda appears to have staked the Ram claims to protect their placer holdings. Prospecting carried out by Kreft determined that Russell Creek held potential for placer mining however the areas which returned the best gold panning results were already staked. The amount of mineralization and quartz veining observed in the surrounding bedrock was negligible.

Strategic Metals staked the Luke claims to explore for Carlin-style gold mineralization. Soil and stream sediment sampling carried out by New Dimension Resources covered the potential uphill and upstream sources of the historical placer working. Assay results were slightly above background limits and did not identify a specific source for the gold.

## Work History

Date	Work Type	Comment
12/13/2011	Geochemistry	Carried out on Luke claims.

12/13/2011	Geochemistry	Carried out on Luke claims.
12/13/1996	Other	Bernie Kreft prospected around Russel and Limestone Creeks using YMIP grant.
12/13/1982	Placer Processing	Noranda Mined on Russel Creek.
12/13/1981	Placer Processing	Noranda mined on Russell Creek.
12/13/1920	Other	Discovered Silver rich boulder while prospecting placer leases(?).

### Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
<a href="#">095728</a>	2011	Assessment Report Describing Stream Sediment and Soil Geochemical Sampling at the Luke Property	Silt - Geochemistry, Soil - Geochemistry		
<a href="#">019033</a>	1968	Atlas Explorations Limited Project Report 1968 Hess River Area	Silt - Geochemistry, Soil - Geochemistry, Regional Bedrock Mapping - Geology		
<a href="#">018947</a>	1967	Hess River Project Report	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology		
<a href="#">019032</a>	1967	Hess River Project Report	Data Compilation - Pre-existing Data		

### Related References

Number	Title	Page(s)	Reference Type	Document Type
<a href="#">ARMC008145</a>	Geochemical results and claim group map of sheet 105N-3 - Ross River		Property File Collection	Geochemical Map
<a href="#">YPMI1978 82</a>	Yukon Placer Mining Industry 1978-1982	p. 77.	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
<a href="#">YEG1989</a>	Yukon Exploration 1989	p. 74-75.	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
<a href="#">GM2003-1</a>	Bedrock geology of Lansing Range map area (NTS 105N), central Yukon		Yukon Geological Survey	Geoscience Map (Geological - Bedrock)
<a href="#">ARMC016476</a>	Geology map overlay of Plateau Mountain sheet - Figure 13		Property File Collection	Geoscience Map (Geological - Bedrock)
<a href="#">ARMC016477</a>	Geochemical results and claim group map of sheet 105N/3		Property File Collection	Geochemical Map
<a href="#">ARMC018045</a>	Trace from aero mag sheet - Russel Creek - Mt. Armstrong area - Lansing - 105N/3		Property File Collection	Geoscience Map (General)
<a href="#">ARMC018047</a>	Overlay and stream sediment data sheet - 105N/3 - Russel Creek - Mt. Armstrong area		Property File Collection	Geoscience Map (General)
<a href="#">ARMC018048</a>	Air photo overlays - A 12282-10, 82, 83, 109, 113, A12819-174, 176 - 105N/4 - SW Lansing		Property File Collection	Geoscience Map (General)