



Occurrence Details

Occurrence Number: 1150 031
Occurrence Name: Cardiff
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 10/4/2025 12:53:02 PM

General Information

Secondary Commodities: arsenic, copper, gold, lead
Deposit Type(s): Plutonic Related Au
Location(s): 63°28'15" N - 139°54'29" W
NTS Mapsheet(s): 115005
Location Comments: 1 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Originally staked as Cardiff & Bluefield cl (7582) in Jul/07. J. McClintock staked Lost cl 1-8 (YB17196) 1 km to the west in Jul/88. Restaked as Lynn cl 1-10 (YC03727) in Feb/97 by S. Ryan, but no work was ever recorded. Teck Corporation staked Ten cl 1-72 (YC06983) 2 km to the northwest in Apr/98 and carried out prospecting and geochemical sampling. Teck staked Ten cl 73-98 (YC07644) contiguously to the northeast in Jul/98 and Ten cl 99-123 (YC12500) 1.5 km north of the occurrence in Sep/98. In Mar/99, Prime Properties staked Premo cl 1-40 (YC13209) 1 km south and Gogo cl 1-20 (YC13189) 4.7 km south. Both claim blocks were subsequently optioned to Prospector International Resources Inc, which carried out prospecting and geochemical sampling in Aug/99. Phelps Dodge Corporation of Canada Ltd restaked the occurrence at the northeast end of a northeast-southwest trending block of Flume cl 154-244 (YC17452) in Sep/99 and carried out geochemical sampling in 2000. In Sep/2001 following Teck Corporation's purchase of Cominco Ltd the company changed its name to Teck Cominco Ltd. In Apr/2003 Fjordland Exploration Inc optioned the Ten and Val claims from Teck Cominco Ltd and the Flume claims from Phelps Dodge. Fjord Exploration carried out geological mapping, prospecting and infill grid soil sampling on various Ten claims located approximately half way between this occurrence and the Flume occurrence (Minfile Occurrence #115N 110) located 8 km to the northwest. Fjordland did not carry out any exploration in 2004 and terminated its option agreements with both companies in the fourth quarter of 2004. In Mar/2009 B. Kreft optioned the surviving Ten claims from Teck Cominco Ltd. Restaked as RDU cl 1-135 (YC93810) and cl 156-163 (YC93965) in Apr/2009 by Radius Gold Inc. The claim block covered the area located due south and south-east of the surviving Ten claims. In Jun/2009 Valley High Ventures Ltd optioned the surviving Flume claims from Phelps Dodge for cash, shares and certain work commitments. B. Kreft staked Moss cl 1-20 (YD05679) 7.5 km to the northwest in Jun/2009. In Aug/2009 Kreft optioned the surviving Ten claims to Radius Gold Inc for cash, shares and certain work commitments. In Sep/2009 Radius optioned a 51% interest in the claims to Solomon Resources Ltd.

Capsule Geology

The area is located southwest of the junction between the Sixty Mile and Yukon Rivers. The area was regionally mapped in the early 1970's by D.J. Templeman-Kluit (1974) of the Geological Survey of Canada. In the early 2000's J. Ryan and S. Gordey remapped most of topographic map sheet 1150 & N as part of the Ancient Pacific Margin NATMAP Project. In 2005 Gordey released a geological compilation map which covered the occurrence area. The area is underlain by Devonian to Mississippian quartz-mica schist and some marble. Devonian to Mississippian intermediate to mafic orthogneiss intrudes and is interlayered with the metasediments. A large Mid-Cretaceous biotite-quartz monzonite stock intrudes the center portion of the occurrence area. Geological mapping by Teck Cominco, Phelps Dodge and Fjordland Exploration indicate that Upper Cretaceous (?) generally north-trending diabase and feldspar+/-quartz porphyritic rhyolite/trachyte dykes cross cut all the units. The dykes are likely feeders to Upper Cretaceous Carmacks group bimodal volcanic rocks. The original 1907 claims were likely staked to cover quartz veins. Teck's work revealed anomalous soils and local stream sediments with values exceeding 1 g/t gold from an area 3 km northwest of the occurrence. Prospecting of the area, known as the Galena Creek-Five Mile zone, revealed sheeted quartz veins with values up to 3.98 g/t gold and quartz stringers carrying 5.36 g/t gold from selected grab samples. This zone may represent an extension of the Ten zone, located 2.5 km further to the northwest (Minfile Occurrence #115N 110). Prospector International identified an area of moderately anomalous bismuth values (to 2.69 ppm) together with weak base metal values (lead to 210.3 ppm and copper to 112.5 ppm) near the southern boundary of the Premo claims (4 km southeast of the occurrence location). This anomaly was supported by sporadic, weakly anomalous values for arsenic and antimony (86.5 and 5.07 ppm respectively) but only background values for gold (0.5 to 2 ppb). Phelps Dodge's sampling identified two weak to moderate single station anomalies, located 100 m apart approximately 5.5 km southwest of the occurrence location. Values for gold of 59 and 56 ppb with 487 and 144 ppm arsenic, respectively, were returned for the two samples. All other samples returned background or slightly elevated values for gold and arsenic. Fjordland Exploration appears to have wanted to explore both the Teck Cominco and the Phelps Dodge claims in detail but money and time limited their work to closing off soil anomalies in the southern and eastern portions of Teck Cominco's Ten Grid. The 2003 soil sampling program closed off the northwest end of the anomaly but the anomaly remains open to the southeast. The program increased the size of the Ten Grid gold-arsenic anomaly to 1.8 by 0.5 km. Fjordland tried to mount an exploration program in 2004 but their interest was drawn away to other properties held by the company.

References

FJORDLAND EXPLORATION INC, Annual Report 2005. p. 11-12. (Available on SEDAR).

FJORDLAND EXPLORATION INC, Mar/2004. Assessment Report #094447 by S. Harris

FJORDLAND EXPLORATION INC, News Release, 22 Apr/2003, 10 Sep/2003, 18 Nov/2004.

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.

RADIUS GOLD INC, News Release. 24 Aug/2009, 22 Sep/2009.

RADIUS GOLD INC, Nov/2009. Web Site: www.radiusgold.com.

SOLOMON RESOURCES LTD, News Release. 22 Sep/2009.

TECK CORPORATION, Mar/99. Assessment Report #093951 by J. Pautler.

TECK CORPORATION, Dec/99. Assessment Report #094041 by J. Pautler.

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

TEMPELMAN-KLUIT, 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.

VALLEY HIGH VENTURES LTD, News Release. 25 Jun/2009.

YUKON EXPLORATION AND GEOLOGY 1999, p. 16; 2000, p. 19, 2003, p. 11, 26.

Work History

Date	Work Type	Comment
12/31/2003	Geochemistry	By Fjordland on Ten claims.
12/31/2000	Other	By Phelps Dodge on Flume claims
12/31/1999	Geochemistry	By Prime Properties Syndicate.
12/31/1999	Other	By Prime Properties Syndicate.
12/31/1998	Geochemistry	By Teck.
12/31/1998	Other	By Teck.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
094447	2003	2003 Geological and Geochemical Report on the Flume-Ten Property, Yukon Territory	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
094163	2000	2000 Geological and Geochemical Report on the Ten Mile Creek Property	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
094041	1999	1999 Geological and Geochemical Assessment-Report on the Ten Mile Creek Property	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
094071	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		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC012869	Geological map of Excelsior Creek and Shamrock Dome		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC016534	Geochemical map -1150/5 - Excelsior Creek		Property File Collection	Geochemical Map
ARMC012868	Map of Excelsior Creek area showing geochemical locations - Aeromagnetic series map 4294G		Property File Collection	Geophysical Map
ARMC012870	Map of Excelsior Creek area showing geochemical locations - Aeromagnetic series map 4294G		Property File Collection	Geophysical Map
ARMC012871	Map of Excelsior Creek area showing geochemical results - Field copy - Aeromagnetic series map 4294G		Property File Collection	Geochemical Map
ARMC012867	Map of Excelsior Creek area showing geology - Aeromagnetic series map 4294G		Property File Collection	Geophysical Map