Occurrence Details

Occurrence Number: 115O 032
Occurrence Name: Excelsior
Occurrence Type: Hard-rock
Status: Showing
Date printed: 10/4/2025 12:53:02 PM

General Information

Secondary Commodities: gold
Deposit Type(s): Unknown
Location(s): 63°23'46" N - -139°47'53" W
NTS Mapsheet(s): 115O05
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Gigantic and Buster cl (7586) in Jun/07 by J.A. Anderson, who restaked the Gigantic cl (11514) in Oct/09 and drove a 4.3 m adit prior to 1912.
Restaked as Excelsior cl 1-30 (YC94439) in Jun/2009 by B. Naughty. B. Kreft staked Silt cl 1-24 (YD05655) 2.5 km to the northwest in Jun/2009.

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 J. Ryan and S. Gordey shows the area surrounding the occurrence is underlain by Devonian to Mississippian orange K-feldspar rich, granitic orthogneiss commonly with biotite, banded to layered and commonly includes or associated with K-feldspar augen gneiss. MacLean (1917) reported that the adit was driven on a belt or dyke of quartz porphyry about 94 m wide. The porphyry was traced for about 1000 m. MacLean description is quite possible and a porphyry dyke could have be missed by regional mappers. MacLean did not observe any mineralization in the surrounding area and five samples collected by him from the various rock types in and around the adit returned trace amounts of gold and nil silver.
Naughty and Kreft staked their respective claims to explore for intrusive related gold mineralization similar to that discovered at Underworld Resources Ltd' White Gold (Minfile Occurrence #115O 165, 166 etc.) property located approximately 15 km to the southeast.

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.

MACLEAN, T.A., 1914. Lode mining in Yukon. Mines Branch Publication 222, p. 121.

MORTENSEN, J.K., 1990. Geology and U-Pb geochronology of the Klondike district, west-central Yukon Territory. Canadian Journal of Earth Sciences, vol. 27, p. 903-914.

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.

UNDERWORLD RESOURCES LTD, Nov/2009. Web Site: www.underworldresources.com.

Work History

Date	Work Type	Comment
12/31/1909	Other	Drove a 4.3 m adit prior to 1912.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095518	2010	Geological and Geochemical Report on the EXCELSIOR 1-30 Claims	Rock - Geochemistry, Silt - Geochemistry, Detailed Bedrock Mapping - Geology, Cursory Property Visit - 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)
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