



Occurrence Details

Occurrence Number: 115O 171

Occurrence Name: Simmons

Occurrence Type: Hard-rock

Status: Anomaly

Date printed: 12/17/2025 12:51:37 AM

General Information

Secondary Commodities: arsenic, gold

Aliases: Lucky

Deposit Type(s): Unknown

Location(s): 63°11'10" N - -139°6'3" W

NTS Mapsheet(s): 115O03

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Lucky cl 1-12 (YC99489), 13-100 (YD05999) and cl 101-172 (YC91801) by B. Naughty. In late Jul/2009 Naughty optioned 125 Lucky claims to joint venture partners Alix Resources Corporation and Cloudbreak Resources Ltd which had previously optioned other claims in the area from Naughty. In Aug/2009 Naughty optioned the remaining Lucky claims to the joint venture group. In Sep/2009 the joint venture group commenced a geological mapping and soil sampling program on the claims.

In Jan/2010 Cloudbreak Resources purchased Alix Resources 50% interest in the Lucky and other jointly owned claims to become the sole owner of the Lucky claims. In Oct/2010 Cloudbreak Resources carried out a high resolution airborne radiometric and magnetic geophysical survey over the Lucky claims.

In Nov/2010 Cloudbreak Resources optioned a 70% interest in its Strike claims and other neighbouring claim groups to AccelRate Power Systems Inc. Cloudbreak changed its name to Petro One Energy Corp in Dec/2010 to better reflect the company's primary business focus on oil exploration. AccelRate Power Systems shareholders voted on June 15, 2011 to change the company's primary business focus to mining exploration and to change the company's name to Goldstrike Resources Ltd.

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.

According to J. Ryan's geological compilation map the Lucky claims are predominantly underlain by Devonian to Mississippian age massive undivided grey gneiss and amphibolite rocks (unit DMta). A lense of Devonian to Mississippian quartz mica schist rocks (unit DMps) trends northwest – southeast across the centre of the claim block. A small Jurassic to Cretaceous granitic intrusion (unit JKg) intrudes the southwest corner of the claim block and a large Early Jurassic granitic intrusion (EJgd) straddles both sides of the Stewart River and intrudes along the north end of the claim block.

The soil sampling program collected samples every 50 m on lines spaced 300 m apart. Soil development was poor in some areas thus coverage was not consistent. Initial results outlined a handful of scattered gold anomalies ranging from 25 to 75 ppm gold and arsenic anomalies ranging from 40 to 205 ppm. The arsenic anomalies do not appear to correlate well with the gold anomalies.

The radiometric survey appears to verify J. Ryan's geological compilation for the area. The total field magnetic results outlined a presumed, north-easterly trending fault running parallel to the Simmons Creek drainage and several metamorphic shear zones trending north-westerly across the claim group. Overlaying the soil sampling results on top of the total magnetic results highlights a 7 km north-westerly trending zone of anomalous gold values which is generally coincident with the north-westerly trending shear zone. These results appear to mimic those observed on Kinross Gold Corp's neighbouring White Gold property (Minfile Occurrences #115O 165 166, etc.).

The occurrence location marks the approximately intersection of the Simmons Creek Fault (?) and the north-westerly trending shear zone and its 7 km long coincident anomalous gold zone.

References

ACCELRATE POWER SYSTEMS INC, Apr/2011. Notice of Meeting and Information Circular, Special General Meeting of Shareholders to be held June 15, 2011, Change of Business Transaction. (Available on SEDAR).

ACCELRATE POWER SYSTEMS INC, Dec/2010, Technical Report Au, Lucky and strike claims, Yukon Territory. Prepared for AccelRate Power Systems Inc by Aurora Geosciences Ltd. Authored by G. Vivian, D. White and J. Robinson. (Available on SEDAR).

ACCELRATE POWER SYSTEMS INC, News Release. 24 Nov/2010, 14 Dec/2010.

ALIX RESOURCES CORP, News Release. 7 Jul/2009, 29 Jul/2009, 12 Jan/2010.

CLOUDBREAK RESOURCES LTD, News Release, 7 Jul/2009, 22 Sep/2009, 9 Nov/2009, 12 Jan/2009, 25 Feb/2010, 18 Oct/2010, 17 Nov/2010, 14 Dec/2010.

GOLDSTRIKE RESOURCES LTD, News Release. 17 Jun/2011, 21 Jun/2011.

GOLDSTRIKE RESOURCES LTD, Jun/2011. Web Site: www.goldstrikeresources.com.

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.

PETRO ONE ENERGY CORP, Jun/2011. Web Site: www.PetroOneEnergy.com

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.

SHIVES, R.B.K., ET. AL. (2002): Airborne multisensor geophysical survey, Stewart River area, Yukon Territory, Phase 1 and 2 (parts of 115N and 116B); Geological Survey of Canada, Open file 4311. (also Yukon Exploration and Geological Services Division, Open File 2002-17D).

SRK CONSULTING (CANADA) INC. Mar/2010. White Gold Property, Dawson Range, Yukon, Canada. By L Weirshauser, M Nowark and W. Barnett. (Project Number 2CU003.000).

YUKON EXPLORATION & GEOLOGY 2009, p. 28, 2010, p. 31, 60.

Work History

Date	Work Type	Comment
12/31/2010	Pre-existing Data	Prepared as part of sale from Cloudbreak to AccelRate Power Systems.
12/31/2010	Airborne Geophysics	Also radiometric survey.
12/31/2009	Geochemistry	
12/31/2009	Geology	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097245	2018	2018 Diamond Drilling, Mechanical Trenching, and IP Survey on the Lucky Strike Property	Diamond - Drilling, Downhole Survey - Ground Geophysics, IP - Ground Geophysics, Mechanical - Trenching	11	1359.71
097109	2017	Geochemical, Geophysical & Airborne Survey Assessment Report	Electromagnetic - Airborne Geophysics, Orthophoto - Airphotography, RAB (Rotary Air Blast) - Drilling, Rock - Geochemistry, Soil - Geochemistry, IP - Ground Geophysics	9	804.67
097122	2017	Assessment Report, Lucky Strike Property	Diamond - Drilling, LIDAR - Remote Sensing	9	1032.80
097099	2016	2016 Soil Sampling and XCAM on the Barker Property, Dawson Mining District, Yukon	Orthophoto - Airphotography, Soil - Geochemistry		
095521	2010	Technical Report AU, BRC, LUCKY, and STRIKE Claims	Soil - Geochemistry, Data Compilation - Pre-existing Data		