Occurrence Details

Occurrence Number: 105H 034
Occurrence Name: Vf
Occurrence Type: Hard-rock
Status: Showing
Date printed: 8/6/2025 2:17:23 AM

General Information

Secondary Commodities: arsenic, gold, lead
Aliases: Neebing, King, Spunk Valley
Deposit Type(s): Plutonic Related Au, Vein Au-Quartz
Location(s): 61°39'47.89" N - -128°10'27.72" W
NTS Mapsheet(s): 105H09
Location Comments: Occurrence location marks location of 2 g/t gold sample collected in 1997. Spunk Valley = 6840207 N, 542968 W. No evidence exists regarding King location.
Hand Samples Available: No
Last Reviewed: May 7, 2019

Capsule

Work History

Originally investigated in 1964 by Norquest Joint Venture (Norquest Joint Venture (Anaconda Mines Ltd, Asbestos Corporation Ltd, Bralorne Pioneer Mines Ltd, Granby Mines Ltd, New Jersey Zinc Exploration Company and Utah Mines Ltd) during a regional exploration program.

Staked as King cl 1-24 (Y41909) in Jan/70 by W. Brander and W. Travers.

In Jul/95 during a regional exploration program Hemlo Gold Mines Inc noted quartz-pyrite-arsenopyrite-galena veins in the vicinity of the **new** occurrence location. In August and Sep/97 Viceroy Explorations (Canada) Ltd carried out rock and silt sampling in the occurrence area. In Oct/97 Viceroy restaked the occurrence within Sprogge cl 75-158 (YB90875). In 1988 the company carried out soil and talus fine sampling around the occurrence area.

Restaked within VF cl 1-144 (YD25701) in Oct/2010 by Valley High Ventures Ltd. In Mar/2011 shareholders of Valley High Ventures approved a plan of arrangement with Levon Resources Ltd, whereby Levon would acquire all assets of Valley High Ventures. Levon Resources retained Valley High's Mexican Cordero Project and spun off all other assets to a new company, Bearing Resources Ltd. As part of this plan the VF claims were transferred to Bearing Resources Ltd.

In 2011 Bearing Resources completed an airborne magnetic and radiometric survey over the entire claim block, followed by reconnaissance scale geological mapping and rock, silt and soil sampling programs.

In Mar/2012 Bearing Resources optioned the VF claims to Aben Resources Ltd in return for cash, shares and certain work commitments. During the 2012 field season Aben Resources carried out limited geophysical and geochemical surveys to tie in surveys previously carried out on the VF claims and the company's adjoining Justin property (MINFILE 105H 035).

Capsule Geology

The occurrence area is located in east-central Yukon approximately 175 km north of the Town of Watson Lake. The actual occurrence lies approximately 11 km east of the Nahanni Range Road which services North American Tungsten Corporation Ltd's Cantung tungsten mine which is located approximately 30 km to the north. The area lies within the Selwyn Mountains and is underlain by a sequence of Selwyn Basin stratigraphy composed primarily of shallow marine shelf and off-shelf sedimentary rock derived from the ancient North American Platform.

Very little detailed mapping has been carried out in the occurrence area. In general the occurrence area is underlain by a broad package of west-northwest trending, north-northeast dipping coarse grained clastic sediments, siltstones, pyllitic shale, limestone and calcareous siltstone and shale of the Upper Proterozoic to Lower Cambrian Hyland Group. On the easterly adjoining Justin property (Minfile Occurrence #105H 035, Eagle Plains Resources/Aben Resources have broken the Hyland Group rocks into three subunits, which based on previous work are tentatively assign to the Neoproterozoic Yusezyu Formation. Bearing Resources' geological map shows a northwest-southeast trending fault cutting across the northeast corner of the VF claims which separates the Hyland Group rocks from a thin to medium bedded limestone unit assigned to the Cambrian to Ordovician Rabbitkettle Formation. A geological map published on the Aben Resources website places the fault further north onto the northwest corner of the SP claim block. This contradiction will only be resolved once Aben completes more detailed geological mapping on the VF claims. Younger Hyland Group Narchilla Formation (Lower Cambrian) rocks lie to the south of the VF claims.

Two periods of compressional deformation are recorded in the Hyland Group rocks and the package is bounded to the north and south by inferred lateral to oblique-slip faults in the Sprogge and Dayo Creek valleys. Mid-Cretaceous age quartz monzonite and quartz-biotite monzonite dykes and related veining associated with stocks of the Tombstone Plutonic suite have intruded tensional features related to the inferred faulting.

A search of assessment failed to uncover any verifiable information regarding the original King occurrence. The King claims were rumoured to cover skarn-type showings of galena, sphalerite and chalcopyrite, similar to others located by the Norquest Joint Venture on their adjoining Rain occurrence (Justin Property).

Note: In Dec/2012 the occurrence was moved 1 km to the northeast, to the Neebing zone, an area located on the east side of Piggott Creek/Neebing Fault where in 1995 Hemlo Gold Mines Ltd and in 1997 Battle Mountain Canada Ltd located quartz-arsenopyrite-galena stringer veins within coarse clastic sediments.

The Neebing zone was originally discovered in 1995 during a regional reconnaissance program conducted by Hemlo Gold Mines. Further exploration was carried out in 1997 and 1988. Mineralization consisting of quartz-pyrite-arsenopyrite and galena occurs across a 300 m long north-south zone located directly east of Piggott Creek. Reconnaissance geological mapping carried on the surrounding ridges outlined veining in quartz pebble conglomerate and sandstone units. An outcrop exposure lying in the creek bed consisted of strongly brecciated argillite within a strong pyritic matrix of unknown width. The dominant vein sulphide is pyrite, but arsenopyrite is also common. Pyrrhotite and rare galena occur in a few places. Oxidation is locally strong giving rise to highly visible limonite staining.

A 1995 composite rock sample collected from outcrop and rock rubble on the east side of the creek returned 2 g/t gold, 75 406 ppm arsenic and 16 450 ppm lead. The sample is described as coarse sandstone-quartzite containing 40% quartz-arsenopyrite-galena veins. Rock sampling carried out in 1997 returned values of 2.0 g/t gold from a mixture of quartz feldspar conglomerate, sandstone and greywacke and 1.69 g/t gold from quartz pebble conglomerate and sandstone (sample type not specified). Silt sampling carried out in 1997 returned values of 140 ppb and 250 ppb gold from sites located downstream of the zone. In general mineralization in the Neebing zone was considered weak and highly inconsistent and in 1988 Battle

Mountain Canada Ltd (the owner at the time) recommended no further work be carried out on the zone.

In 1988 Viceroy Exploration discovered an area of quartz veining approximately 3.5 km northwest from the Neebing zone which they called the Spunk Valley zone. This zone was located within the original Sprogge claims (1-74, YB85182) staked in Jul/96. The anomaly is presently located in the northwest corner of the VF claims. Chip sampling carried out on the west side of the headwaters of an unnamed branch of Sprogge Creek returned 310 ppb gold and 244 ppm arsenic over 7 m and 315 ppb gold and 10 000 arsenic over 0.1 m. Further exploration identified a zone measuring at least 8 m wide by greater than 45 m long of veining and related silicification hosted by coarse sandstone. Details are sparse with the veining described as sulphide rich. Further investigation found that the veining did not extend into neighbouring wall rocks. Soil sampling did not reveal any underlying anomalies. No further work was carried out.

The Sprogge claims surrounding the Neebing zone lapsed in Oct/97 and the occurrence area remained open until Oct/2010 when it was restaked within the VF claims. Bearing Resources' airborne magnetic geophysical and radiometric survey outlined the trends of a number of potentially structural controls across the HF claims. Soil and silt sampling carried out near the former King occurrence location returned slightly anomalous results for gold. Limited silt sampling near the Neebing zone did not return any anomalies. The area surrounding the Skunk Valley zone was not sampled. The best soil results from 2011 were obtained in the northeast corner of the VF claims where sampling identified a strong gold and arsenic anomaly on trend with Aben Resources' POW zone (MINFILE 105H 104).

Aben Resources has released few details of their 2012 exploration activities on the VF claims. The company's website does contain compilation maps of previous soil and silt sampling and a regional scale map displaying airborne magnetic results.

Work History

Date	Work Type	Comment
12/13/2011	Geochemistry	Reconnaissance rock and silt sampling carried out.
12/13/2011	Geology	Reconnaissance scale mapping to check previous work.
12/13/2011	Geochemistry	Grid based soil sampling carried out over selected areas.
12/13/2011	Airborne Geophysics	Magnetic and radiometric survey flown over claims.
12/13/1998	Geochemistry	Viceroy exploration carried out grid based soil and talus fines sampling over occurrence area.
12/13/1997	Geochemistry	Viceroy Explorations carried out rock sampling.
12/13/1997	Geochemistry	Viceroy Exploration sampled creeks draining occurrence area.
12/13/1995	Geochemistry	Hemlo Gold Mines noted pyrite-arsenopyrite-galena veins and collected several grab samples.
12/13/1964	Geochemistry	Conducted regional geochemical program, no claims staked.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095589	2011	2011 Assessment Report on the Hy-Jay Claims	Electromagnetic - Airborne Geophysics, Gamma-Ray Spectrometry - Airborne Geophysics, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
095797	2011	Assessment Report VF Property, Upper Hyland Gold Belt	Electromagnetic - Airborne Geophysics, Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other		
093783	1997	1997 Geological, Geochemical and Trenching Report on the Sprogge 1-74 and Justin 1-25 Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other, Hand - Trenching		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC008142	Heavy mineral sampling map - NTS 105H-9 - MacMillan project - Anmac		Property File Collection	Geochemical Map
YEG2011_OV	Yukon Exploration and Geology Overview 2011	30, 64.	Yukon Geological Survey	Annual Report
YEG2005_08	Gold mineralization in the upper Hyland River area: a non-magmatic origin		Yukon Geological Survey	Annual Report Paper