Occurrence Details

Occurrence Number: 105K 097
Occurrence Name: Drex
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 12/15/2025 10:15:25 PM

General Information

Secondary Commodities: copper, indium, lead, silver, tin, zinc
Deposit Type(s): Unknown
Location(s): 62°33'32.14" N - -133°5'1.42" W
NTS Mapsheet(s): 105K11
Location Comments: Location marks approximate center of mineralized zone.
Hand Samples Available: No
Last Reviewed: May 10, 2016

Capsule

Work History

The occurrence location appears to have never been staked. The region surrounding the occurrence was extensively explored following the discovery of massive sulphide mineralization at the Faro deposit (Minfile Occurrence # 105K 061 – located approximately 28 km to the southwest) in the mid-1960's.

Staked within Taycl 1-96 (YD27721) in Aug/2010 by Strategic Metals Ltd. The claims were staked following the discovery of silver-polymetallic mineralization at the neighboring Keg deposit (Minfile Occurrence #105K 078) located approximately 12 km to the southwest.

In 20010 Strategic Metals collected chip and composite rock samples and carried out contour and grid soil sampling in the occurrence area. The company also flew a regional helicopter borne ZTEM geophysical survey over its entire claims holdings which included this occurrence.

In Nov/2010 the company announced that the Keg property and associated claims (including the Tay claims) would be joined with the Rebel property (located 23 km to the south) and other newly discovered neighboring areas of porphyry hosted silver-zinc-lead-copper mineralization to form the Silver Range Project.

On January 11, 2011 Strategic Metals announced its intention to spin-out the Silver Range Project and the gold rich Mint Project (Minfile Occurrence 115F 087) located in southwestern Yukon into a new precious metal focused company; Silver Range Resources Ltd. The company and its shareholders would receive shares and purchase warrants in the new company.

In May/2011 the company carried out geological mapping, collected additional rock sampling and completed detailed soil sampling over the occurrence area. Following receipt of preliminary results the company tested the occurrence with 3 diamond drill holes (750.97 m).

On July 19, 2011 Strategic Metals shareholders approved the plan to spin-out the Silver Range Project and the Mint property into a new company Silver Range Resources Ltd. On August 9, 2011 the Plan of Arrangement was approved by various securities regulators and Silver Range Resources became the owner/operator of the project.

In 2012 Silver Range Resources collected additional rock samples from the newly named Drew zone.

Capsule Geology

The occurrence is located approximately 28 km northeast of the historical Faro mine and mill site and 39 km northeast of the town of Faro in east central Yukon. The Faro area is world renowned for its zinc-lead-silver-barite massive sulphide deposits, mining of which began in 1969 and continued with interruptions until 1997. Access to the occurrence location is currently provided by helicopter.

The occurrence is located within the Selwyn Basin a tectonic element comprising deep water clastic rocks, chert and minor carbonate that accumulated along the North American continental margin during Paleozoic time. In the occurrence area the Selwyn Basin lies immediately northeast of units belonging to Slide Mountain and Yukon-Tanana Terranes the most easterly of the allochthonous terranes. Deformation and metamorphism associated with accretion of the terranes was initiated in Jurassic and culminated in Cretaceous. More recently, strike-slip faulting along the Tintina Fault resulted in about 450 km of dextral offset during Early Tertiary time. The area is located about 40 km northeast of the fault.

The area is covered by deep overburden which makes geological mapping difficult. Based on limited mapping and drill-hole information the occurrence area is underlain by Carboniferous to Permian Mount Christie Formation rocks which have been subdivided into two units. The lower unit (CPMCa) consists of laminated to thinly bedded, chert interbedded with siltstone and shale. The overlying sub-unit (CPMCb) consists of distinct, thin to medium bedded, commonly bluff weathering, reddish-brown to maroon chert.

Triassic Jones Lake Formation rocks, also locally divided into two sub-units, lie conformably and structurally against Mount Christie Formation rocks . Thin bedded, calcareous siltstone (TrJb) unconformably overlies CPMCb chert. The other sub-unit comprises thin-bedded, brown, fine grained, sandstone and siltstone with interbedded black argillite and laminated to blocky, grey, silty limestone (TrJa). It is juxtaposed against TrJb siltstone and altered Mount Christie Formation rocks to the south.

All units in the area are tightly folded into metre-scale cylindrical folds with very shallowly plunging folds hinges that trend west-northwesterly and east-southeasterly.

Preliminary rock sampling and prospecting carried out in 2010 exposed the Drex zone in a deep creek cut that eroded through a heavily vegetated, glaciated plateau. Soil sampling traced the zone about 400 m long and 50 m wide. Selected rock samples collected in 2010 and 2011 returned an average of 211 g/t silver, 0.80 % zinc, 2.10 % lead, 0.14 % copper and 2 204 ppm tin. Mineralization consists of disseminated, blebby, fracture-filling and vein-hosted arsenopyrite with lesser galena, pyrite and sphalerite. Scorodite and limonite are common on weathered surfaces. All mineralization is hosted in light brown to grey, locally strongly bleached chert of Mount Christie Formation. The veins are discontinuous and up to 40 cm wide and are comprised of banded to nearly massive arsenopyrite +/- galena, +/- sphalerite with quartz gangue.

Silver Range Resources collared 4 diamond drill holes in 2011, however one hole was abandoned. Two of the remaining holes intersected mineralization. Drill hole DRX-11-02 intersected 3.05 m (15.24 m to 18.29 m) which returned 87.7 g/t silver and negligible amounts of other minerals. Drill hole DRX-11-4 intersected 6.48 m (24.0 m to 30.48 m) which returned 31.74 g/t silver, 0.35 % lead and 0.27 % zinc. The company stated that the holes were largely intended to obtain data regarding structural and stratigraphic orientation. The company initially planned to conduct further drilling on the Drex zone in 2012, however success at the main Keg deposit (Minfile Occurrence # 105K 078) and other areas located within the Silver Range project, led the company to focus its exploration efforts on areas possessing higher mineral potential.

Work History

Date	Work Type	Comment
12/13/2012	Geochemistry	Additional samples collected.
12/13/2011	Geochemistry	Additional samples.
12/13/2011	Drilling	Four holes collared, three holes completed (750.97 m).
12/13/2011	Geochemistry	Detailed grid based sampling.
12/13/2011	Geology	Centered on mineralized zone.
12/13/2010	Airborne Geophysics	Flown over entire Keg/Silver Range project.
12/13/2010	Geochemistry	Chip and composite samples.
12/13/2010	Geochemistry	Contour and grid based.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096836	2015	Assessment Report Describing Geological Mapping and Sample Collection by PhD Candidate, Drill Pad Reclamation and Equipment Backhauling	Reclamation - Development, Surface, Rock - Geochemistry, Bedrock Mapping - Geology, Process/Interpret - Pre-existing Data		
096671	2013	Assessment Report Describing Geological Mapping, Prospecting, Geochemical Surveys and Diamond Drilling	Diamond - Drilling, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other, Hand - Trenching	9	1182.44
096480	2012	Assessment Report Describing Geology, Mineralization, Geochemical Surveys, Diamond Drilling, Metallurgical Testing and Mineral Resources at the Keg Property	Diamond - Drilling, Rotary - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other	84	30320.42
096033	2011	Assessment Report Describing Geological Mapping, Prospecting, Geochemical Sampling, Geophysical Surveying, Baseline Water Surveying, Wildlife Surveying, Trenching and Diamond Drilling	Diamond - Drilling, Rock - Geochemistry, Soil - Geochemistry, Water - Geochemistry, Bedrock Mapping - Geology, IP - Ground Geophysics, Magnetics - Ground Geophysics, Prospecting - Other, Environmental Assessment/Impact - Studies, Hand - Trenching	51	16808.37
018941	1968	Hess Project Report 1968 Laforce Lake - Mount Selous Area	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Regional Bedrock Mapping - Geology, Prospecting - Other		
092062	1966	Geological Map of Faro area	Regional Bedrock Mapping - Geology		

Related References

Number	Title	Page(s)	Reference Type	Document Type
YEG2011_OV	Yukon Exploration and Geology Overview 2011	37-38.	Yukon Geological Survey	Annual Report
YEG2013_03	Peliminary observations on the geology of the Anvil Lake area (parts of NTS 105K/11 and 12), central Yukon		Yukon Geological Survey	Annual Report Paper
15	Bedrock geology compilation of the Anvil District (parts of NTS 105K/2,3,5,6,7 and 11), central Yukon		Yukon Geological Survey	Bulletin
ARMC012007	Regional geology map - Tenas Creek - MacMillan project		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC012004	Geological - Mal, Bar, Wop, Tenas, Bell and T mineral claims - Tenas option - Map No. 2		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC012000	Geological map - Tenas project - Map 1 of 4		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC011999	Geological map - Tenas project - Map 2 of 4		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC011998	Geological map - Tenas project - Map 3 of 4		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC012006	Area regional compilation - Geological map - Tenas Creek		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC011987	Area regional compilation - Station location map & numbers - Tenas Creek		Property File Collection	Geoscience Map (General)