



Occurrence Details

Occurrence Number: 116A 015
Occurrence Name: Peak
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 6/14/2025 4:57:26 PM

General Information

Primary Commodities: nickel, zinc
Aliases: Michelle West, Hot
Deposit Type(s): Sediment hosted Mississippi Valley-Type Pb-Zn (MVT)
Location(s): 64°58'15" N - -137°46'5" W
NTS Mapsheet(s): 116A13
Location Comments: Location from drill hole MCH-08-21
Hand Samples Available: No
Last Reviewed:

Capsule

Exploration History

Staked as ID cl (Y82793) in Jul/74 by Dynasty EL, which carried out mapping and geochem sampling later in the year.
In 1975, Dynasty Exploration's claims were transferred to Cyprus Anvil Mining Corp. and were further explored by geochemical sampling, mapping and hand trenching. The claims were subsequently allowed to lapse.
In 2006, the area was restaked as Michelle cl 1-96 by Archer Cathro. The property was optioned by ZincCorp Resources Ltd in 2007. ZincCorp conducted geochemical sampling, prospecting, geological mapping and 853.13 m of diamond drilling in seven holes later that year.
In 2008, ZincCorp completed 3113.27 m of diamond drilling in 26 holes, as part of an exploration program that also involved geological mapping, prospecting and geochemical sampling. Eleven of the holes were drilled at the Gully Zone and extended the known strike length of the mineralized north-trending fault. The remaining 15 holes were drilled at the Peak Zone. The best results obtained from this drill program were 5.36% zinc, 16.36% lead, 152 g/t silver and 870 ppm gallium over 9.40 m at the Gully Zone; and 1.20% zinc, 3.29% lead and 347 g/t silver over 24.54 m, including 0.55% zinc, 15.18% lead and 2133.9 g/t silver over 2.95 m, at the Peak Zone. Prospecting and geochemical sampling identified another twelve mineral occurrences on the property – the Blender, Gaynor, Gaz, Pinpoint, Nanny, Nanny West (now Terrier), Civic, Michelle West, Polar, Us, Prairie Dog and OT showings.
In 2009, ZincCorp performed prospecting and geochemical sampling on the property. The program identified the Scorpion Showing, in the southern part of the property. A grab sample from this new showing, consisting of cobbles of limonite with residual galena returned 29.2% zinc, 20.4% lead and 145 g/t silver (Mann, 2009).
In 2010, ZincCorp conducted geochemical sampling, prospecting, geological mapping, geophysical surveying and 1033.88 m of diamond drilling in 10 holes. Five of the holes were drilled at the Blender Zone, one at the Peak Zone and four at the Nanny West Showing. Prospecting identified a new mineral occurrence, the Silver Matt Showing, in the southwestern part of the property. Samples collected from this showing, comprising cobbles of galena with oxide rinds, returned up to 4180 g/t silver and 82.8% lead. Geophysical surveying using a handheld gravity meter yielded inconclusive results, partly due to instrument failure (Liverton et. al., 2010).
In winter 2012, Strategic Metals purchased the Michelle property from ZincCorp, and in 2013, conducted an aerial photography survey. The following summer ground surveys were performed, which resulted in the creation of property-scale orthophotos and detailed topographic maps (Burrell, 2015).
In 2015, Strategic Metals performed hand trenching, prospecting, geochemical sampling and geological mapping on the property. This work identified four new mineral occurrences – the Boxer, Pitbull, Heeler and Husky showings. Hand trenching successfully exposed in-situ sulphide mineralization at the Silver Matt Showing, which returned 8.1% zinc, 46.9% lead and 894 g/t silver over an estimated true thickness of 1 m, and a wide interval of in-situ oxide mineralization at the Gaynor Showing, which returned a weighted average of 2.2% zinc, 14.8% lead and 371 g/t silver over 17 m. Later that year, Strategic Metals transferred its interest in the Michelle property to Silver Range Resources Ltd.
In 2017, Silver Range conducted prospecting, geological mapping and trenching.
In 2021, Silver 47 Exploration Corp. optioned the property from Silver Range and in 2022, Silver 47 drilled 4 holes for 430 m on the Silver Matt target.

Capsule Geology

The property is located within the Proterozoic Hart River inlier, in the southeast Ogilvie Mountains, which is composed of Early Proterozoic rocks of the Wernecke Supergroup. The occurrence is hosted within dolostone of the Early Proterozoic Gillespie Lake Group.
Mineralization cuts discordantly across beds of the Gillespie Lake Group dolostones. Mineralizing fluids exploited easterly trending fracture/breccia zones and secondary, northerly striking extensional faults. The oxidation is very intensive and deep..
Diamond drilling in 2007 intersected fracture and breccia-hosted carbonate-replacement-style mineralization (zinc, lead and silver). The main Michelle occurrence (AKA Gully zone) in the eastern part of the property. The last holes drilled intersected limonite, smithsonite, cerussite and galena with significant results: diamond drillhole MCH-07-06 assayed 309.5 g/t, 8.87% Pb, and 16.76% Zn over 18.29 m. The 2008, geochemical sampling program identified 14 zinc showings over 11 km on the property. Sampling in 2009 uncovered new mineralization northwest of the Nanny zone where rock samples in the new zone returned 22 g/t Ag, 3.9% Pb and 41.5% Zn; even higher rock assays were obtained in a zone further to the northwest: 1300 g/t Ag, 30.3% Pb and 27.2% Zn and 1090 g/t gallium. The Peak Zone is located 4500 m west of the Michelle showing, or Gully Zone. It has been explored by soil sampling, prospecting, mapping and diamond drilling. Mineralization in this zone is found in talus over a strike length of 800 m and consists of limonite- and smithsonite-rich float with rare residual galena. Analyses revealed that samples are characterized as leached iron cap, averaging 1.81% zinc and 3.32% lead (Eaton, 2008). Silver and gallium values were generally low in this material, peaking at 58 g/t and 60 ppm, respectively. Weakly mineralized samples of in situ oxidation averaged 5.02% zinc, while better grade samples of in situ oxidation averaged 10.59% zinc, 62.96% lead, 1732 g/t silver and 155 ppm gallium. Two samples collected along a ridge returned strongly anomalous molybdenum values up to 700 ppm (Eaton, 2008).
Two massive limonite outcrops lie roughly 50 m apart within the eastern part of the Peak Zone. They measure 13 by 1.5 m and 4 by 2 m, respectively. The limonite is developed along faults or fractures with vertical dips and northerly strikes. Two samples from this zone classified as leached iron cap averaged 1.18% zinc and 155 ppm gallium (Eaton, 2008).

Work History

Date	Work Type	Comment
7/1/2017	Geochemistry	
7/1/2017	Trenching	
7/1/2017	Geology	
7/1/2015	Geochemistry	
7/1/2015	Trenching	
7/1/2015	Geology	

7/1/2014	Airphotography	
7/1/2014	Pre-existing Data	
7/1/2014	Airphotography	
7/1/2014	Geochemistry	
7/1/2014	Other	
7/1/2013	Airphotography	
7/1/2010	Ground Geophysics	
7/1/2010	Geochemistry	
7/1/2010	Drilling	1 hole, 152.40 m
7/1/2010	Geology	
7/1/2009	Geochemistry	
7/1/2009	Geochemistry	
7/1/2009	Other	
7/1/2008	Geochemistry	
7/1/2008	Drilling	15 holes, 1,966.29 m
7/1/2008	Geochemistry	
7/1/2008	Geochemistry	
7/1/2008	Geology	
7/1/2007	Geochemistry	
7/1/2007	Geochemistry	
7/1/2007	Geology	
7/1/2007	Other	
7/1/1975	Geochemistry	
7/1/1975	Geochemistry	
7/1/1974	Geochemistry	
7/1/1974	Other	
12/31/1975	Geology	
12/31/1975	Trenching	
12/31/1975	Other	
12/31/1974	Geology	
12/31/1974	Trenching	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097095	2017	Assessment Report describing hand trenching, prospecting, geochemical sampling and geological mapping at the Michelle Property	Rock - Geochemistry, Rock - Geochemistry, Detailed Bedrock Mapping - Geology, Hand - Trenching		
096934	2015	Assessment Report Describing Hand Trenching, Prospecting, Geochemical Sampling and Geological Mapping at the Michelle Property	Rock - Geochemistry, Detailed Bedrock Mapping - Geology, Hand - Trenching		
096809	2014	Air Photo Interpretation, Prospecting, Geochemical Sampling, and Data Compilation at the Michelle Property	Interpretation - Airphotography, Interpretation - Airphotography, Orthophoto - Airphotography, Orthophoto - Airphotography, Rock - Geochemistry, Rock - Geochemistry, Prospecting - Other, Prospecting - Other, Data Compilation - Pre-existing Data, Data Compilation - Pre-existing Data		
096620	2013	Aerial Photography at the Michelle Property	Interpretation - Airphotography, Interpretation - Airphotography		
095706	2010	2010 Diamond Drilling, Geoogical Mapping, Rock Sampling and Gravity Geophysics on the Michelle Property	Diamond - Drilling, Rock - Geochemistry, Detailed Bedrock Mapping - Geology, Gravity Survey - Ground Geophysics	10	5728
095569	2010	2010 Diamond Drilling, Geological Mapping, Rock Sampling and Gravity Geophysics on the Michelle Property	Diamond - Drilling, Rock - Geochemistry, Gravity Survey - Ground Geophysics, Prospecting - Other	10	5728
095109	2008	Assessment Report Describing Geochemical Sampling, Geological Mapping, Prospecting and Diamond Drilling at the Michelle Property	Diamond - Drilling, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology	23	3113.27

095028	2007	Assessment Report Describing Geochemical Sampling, Geological Mapping, Prospecting and Diamond Drilling at the Michelle Property	Diamond - Drilling, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other	7	853.13
090042	1975	A Geological and Geochemical Report on the Hot Claim Group	Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Hand - Trenching		
061237	1974	Report on Geolgocial Field Work 1974 Hot Claim Group	Rock - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other, Hand - Trenching		
061209	1974	Report on Geological Field Work 1974 Hot Claim Group	Rock - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other, Hand - Trenching		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC011305	Zinc geochemical contoursmaps - Hot claim group - Map No. 2		Property File Collection	Geochemical Map
ARMC011307	Geology map - Hot claim group - Map No. 3		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC016766	Geochemical map - 116A/13		Property File Collection	Geochemical Map
ARMC011304	Lead geochemical contours map - Hot claim group - Map No. 1		Property File Collection	Geochemical Map
ARMC011301	Geochemistry map - Copper, Lead, Zinc - Hot & ID groups - Reef project		Property File Collection	Geochemical Map