



Occurrence Details

Occurrence Number: 106D 108
Occurrence Name: Blende-Central
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 12/16/2025 3:28:01 AM

General Information

Primary Commodities: lead, silver, zinc
Deposit Type(s): Sediment hosted Mississippi Valley-Type Pb-Zn (MVT)
Location(s): 64°24'2.256" N - -134°38'57.51" W
NTS Mapsheet(s): 106D07
Location Comments: Location based on drill collar B91-079 (AR 094955, Fig 7a)
Hand Samples Available: Yes
Last Reviewed:

Capsule

Work History

Mineralization was originally noted in this vicinity by the Geological Survey of Canada in 1961 and was first staked as Will cl 1-60 (Y97990) in Jul/75 by Cyprus Anvil Mining Corporation, which carried out geological mapping, geochemical soil sampling and prospecting later in the year.

The area outside the occurrence was restaked as Blende cl 1-15 (YA43524) in Mar/81 by Archer, Cathro and Associates (1981) Ltd, which carried out geochemical rock sampling in 1981; geochemical rock sampling, prospecting and airphoto interpretation in 1982. The property was optioned by Canadian Nickel Company Ltd, which staked Blende cl 16-88 to surround the existing claims in Oct/84 and carried out geological mapping and prospecting of the newly staked claims in 1985 before dropping the option and the claims.

NDU Resources Ltd staked Blende cl 16-66 in Aug/88 to cover the occurrence and Blende cl 67-122 in the surrounding area in 1989. The company carried out geological mapping, grid geochemical soil sampling, road construction and geophysical magnetometer and VLF-EM surveying in 1989.

Billiton Metals Canada Inc optioned the property in Oct/89. In 1990, it carried out geological mapping, baseline and water quality testing, and staked Blende cl 123-128 and 1fr-28fr. In 1991, Billiton staked Blende cl 129-169 and Zinc cl 1-48 to expand the property and diamond drilled 13 holes in the central zone.

Eagle Plains Resources Ltd restaked the area over the occurrence as Mix cl 1-16 in Mar/2002 and carried out a one day property examination to assess the property's infrastructure. Eagle Plains staked Trix cl 1-46 (YC11723) to surround the Mix claims in Apr/2004; announced that it had executed a option agreement with Shoshone Silver Mining Company whereby Shoshone could earn a 60% interest in the Blende property in May/2004; and staked Trix cl 47-56 contiguously to the southeast in Aug/2004. Shoshone terminated its option in May/2005.

In Aug/2005 Eagle Plains optioned the property to Blind Creek Resources Ltd which carried out an exploration program consisting of re-logging historical diamond drill core, a ground-based gravity survey, geological mapping, geochemical sampling and prospecting. In Mar/2006 Blind Creek constructed a winter road into the property and performed grid sampling 1 km to the southwest and rock sampling near the occurrence.

In 2007 the company carried out a drill program. In 2009, Blind Creek Resources finalized the purchasing agreement for the Blende from Eagle Plains Resources and assumed 100% interest in the property.

Capsule Geology

The Blende Central occurrence is a zinc-lead-silver Mississippi Valley type prospect located on the south edge of the Mackenzie Platform, just north of the regional scale Kathleen Lakes Fault Zone. It is hosted in the upper part of the Lower Proterozoic Gillespie Lake Group dolomite, a thick sequence of interbedded clastic and carbonate sedimentary rocks that transitions upward from deep water mudstones to shallow water stromatolitic dolomite. Extension after deposition led to the deposition of Late Proterozoic sedimentary rocks in small local basins. Paleozoic limestone and dolomite unconformably overlie these strata. Mesoproterozoic Hart River gabbro and diorite sills cross-cut stratigraphy.

The occurrence lies in a mineralized corridor between the Blende-West (Main) and Blende East deposits (MINFILE 106D 064 and 106D 107). The mineralized zones occur in the core of a broad southeast-plunging anticline and are parallel to the axial planar cleavage which strikes northwest and dips steeply to the southwest.

Drilling in 2007 intersected stromatolitic and oolitic layers of dolomite with short spaced intervals of breccia and vein-hosted sphalerite and galena, e.g., drillhole BE07111 intersected four 1.0 m intervals of an average of 4.35% Zn+Pb and one interval of 8.0 m @ 3.4% Pb+Zn. The mineralization consists mostly of yellow sphalerite, which is difficult to distinguish from the host dolomite. Other sulphide minerals include galena, pyrite and minor chalcopyrite and tetrahedrite.

Work History

Date	Work Type	Comment
12/13/2007	Drilling	
12/13/2007	Geology	
12/13/2006	Development, Surface	
12/13/2006	Geochemistry	
12/13/2005	Ground Geophysics	
12/13/2005	Geochemistry	
12/13/2005	Pre-existing Data	Relogged historic diamond drillcore

12/13/2005	Geology	
12/13/2002	Other	
12/13/1991	Drilling	13 holes
12/13/1990	Geology	
12/13/1989	Geochemistry	
12/13/1989	Ground Geophysics	
12/13/1989	Ground Geophysics	
12/13/1989	Geology	
12/13/1982	Airphotography	
12/13/1981	Geochemistry	
12/13/1975	Geochemistry	
12/13/1975	Geology	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097217	2018	Assessment Report Describing Heritage Resource Overview & Impact Assessments of the Blende Property	Heritage/Archeological - Studies		
095641	2007	Diamond Drilling, Geological and Geochemical Report for the Blende Property	Diamond - Drilling, Drill Core - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other	15	3410.90
094955	2006	Diamond Drilling, Geological and Geochemical Report for the Blende Property	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology	23	5550.40
094971	2005	Geological Report for the Target Evaluation 05-043, Blende Deposit Area - Far East Zone	Gravity - Airborne Geophysics, Reverse Circulation - Airborne Geophysics, Rock - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Soil - Geochemistry, Prospecting - Other, Research/Summarize - Pre-existing Data		
094407	2003	Assessment Report for the Blende Property, Mix 1-16 Claims	Property Evaluation - Other		
093005	1991	Assessment Report, Blende 123-169, Fr 1-28 and Zinc 1-48 Claims	Diamond - Drilling, Drill Core - Geochemistry	62	11525.10
092942	1990	Assessment Report, Blende 1-128 and Fr. 1-28 Claims]	Diamond - Drilling, Drill Core - Geochemistry, Bedrock Mapping - Geology, Environmental Assessment/Impact - Studies	15	3659.70
092795	1989	Blende Property 1989 Final Report	Diamond - Drilling, Drill Core - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics	3	720.32
062294	1987	Geologic Report on the Blende Mineral Property	Soil - Geochemistry, Bedrock Mapping - Geology		
091665	1985	Geological Report, Blende 16-88 Claims	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
090076	1975	Geological and Geochemical Report on the Will Claims	Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		