



Occurrence Details

Occurrence Number: 116A 033
Occurrence Name: Bear
Occurrence Type: Hard-rock
Status: Showing
Date printed: 4/29/2025 10:30:29 AM

General Information

Secondary Commodities: copper, gold, silver
Aliases: Area One, Cirque Lake
Deposit Type(s): Vein Polymetallic Ag-Pb-Zn+/-Au
Location(s): 64°12'52" N - -137°58'20" W
NTS Mapsheet(s): 116A04
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked by Noranda Exploration Company Ltd as Cub cl 1-174 (YB38943) in Oct/90, which carried out prospecting, geological mapping, geophysical and geochemical surveying and trenching in 1991.
Restaked within a large block of Ob claims (approximately 370) in Nov/96, by a private company Core Exploration Ltd. The company staked a large block of Wow claims to the north and east at the same time. In Dec/96 International Kodiak Resources Inc, another private company, optioned these claims and a large block of over 2 500 adjoining claims collectively known as the Oki-Doki project from Core Exploration.
In the summer and fall of 1997 International Kodiak carried out a regional program of geochemical stream sediment sampling of secondary drainages, soil sampling of drainage divides, prospecting, geological mapping and airborne geophysical surveying (in conjunction with the Geological Survey of Canada). The company carried out geochemical sampling, geological mapping, prospecting and hand trenching in the immediate area of the occurrence in 1998 and 1999.

Capsule Geology

The Bear Mountain (later called Cirque Lake) showing consists of a 0.6 x 75 m vein of arsenopyrite, chalcopyrite and scheelite which cuts hornfelsed calcareous siltstone of the Ordovician to Lower Devonian aged Road River assemblage at the margin of a mid-Cretaceous monzonite stock. A specimen of massive arsenopyrite assayed 10 g/t Au. Kubota trenching showed that the vein follows a narrow east-west shear which is locally discordant to compositional banding in the hornfels. The hydrothermally altered hanging wall of the vein consists of 32 cm of white clay with grey patches of arsenopyrite. The footwall consists of up to 1 m of bleached, silicified hornfels underlain by another metre of yellow clay gouge. Arsenopyrite float is also associated with recessive linear zones of vuggy, orange-weathering banded carbonate breccia cutting the stock. These breccia zones are subvertical, up to 10 m wide and also strike east-west, parallel to a dominant set of cooling joints in the intrusion. Similar east-west veins have been explored on Antimony Mountain to the northwest (Minfile Occurrence #116B 094), and on the Rimrock (Lorrie) property to the northeast (Minfile Occurrence #116A 013). International Kodiak identified an Au, As, Sb, Hg, Bi geochemical signature defining a source area greater than 5 sq km surrounding the occurrence, as well as several radiometric anomalies associated with the intrusive stock. Sampling revealed high As levels throughout the area and elevated gold values from feldspar-quartz porphyry and massive arsenopyrite veining (540 and 4 000 ppb, respectively). Kodiak's work in 1998 and 1999 focused on Noranda's old trenches (Bear Mountain showing) and the numerous east-west, subparallel linear structures trending west away from the trenched area, that they called Area 1 and subsequently Cirque Lake. Continuous rock chip sampling from around the showing returned an average value of 340 ppb Au over 40 m. Sampling of mineralized quartz veins within and adjacent to the lineaments to the west returned high values for base and precious metal as well as bismuth and antimony. The quartz veins, similar to those in the trenched area, are up to 60 cm in width and are mineralized with fine grained arsenopyrite and abundant scorodite. Peak values, from selected samples collected within a roughly 500 by 300 m area immediately west of the trenches, were 14 387.5 ppb Au, 9.11 oz/t Ag, >99 999 ppm As, 51 407.18 ppm Cu, 2 313.81 ppm Sb and 4 311.98 ppm Bi.

References

GEOLOGICAL SURVEY OF CANADA, 1998. Airborne geophysical survey (NTS 116 B/1, A/4 and 115 P/13), Brewery Creek Area, Yukon Territory. Open Files 3551 and 3607.
GORDEY, S.P. AND MAKEPEACE, A.J., 1999. Yukon Digital Geology, S.P. Gordey and A.J. Makepeace (comp.); Geological Survey of Canada, Open File D3826, and Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1999-1(D).
INTERNATIONAL KODIAK RESOURCES INC, Jan/98. Assessment Report #093768 by V.P. Van Damme, B.T. Malahoff and C.A. Kauss.
INTERNATIONAL KODIAK RESOURCES INC, Feb/99. Assessment Report #093961 by V.P. Van Damme and B.D. Game.
INTERNATIONAL KODIAK RESOURCES INC, Feb/99. Assessment Report #093967 by V.P. Van Damme and B.D. Game.
INTERNATIONAL KODIAK RESOURCES INC, Apr/2000. Assessment Report #094118 by B.J. Jaworski and M.T. Vanwermeskerken.
YUKON EXPLORATION AND GEOLOGY 1997, p. 27, 36; 1999, p. 9.

Work History

Date	Work Type	Comment
12/31/1998	Geochemistry	Work followed up results from previous year.

12/31/1998	Other	
12/31/1998	Trenching	Work followed up results from previous year.
12/31/1997	Studies	
12/31/1991	Geology	
12/31/1991	Geochemistry	
12/31/1991	Trenching	Dug by helicopter portable Kubota.
12/31/1991	Other	
12/31/1991	Ground Geophysics	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096411	2013	Airborne Geophysical Interpretation of the Mike Lake Property	Electromagnetic - Airborne Geophysics, Electromagnetic - Airborne Geophysics, Gamma-Ray Spectrometry - Airborne Geophysics, Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		
095119	2008	Assessment Report Describing Geology, Mineralization and Diamond Drilling at the Mike Lake Property	Diamond - Drilling, Detailed Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Resistivity - Ground Geophysics, Prospecting - Other, Environmental Assessment/Impact - Studies	68	10004
095029	2007	Assessment Report Describing the Geology, Mineralization and Diamond Drilling of the Mike Lake Property	Diamond - Drilling, Bedrock Mapping - Geology, Prospecting - Other	9	1822
094574	2004	Assessment Report Describing the Geology, Geochemistry and Prospecting at the Mike Lake Property	Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other, Data Compilation - Pre-existing Data		
094510	2004	Assessment Report Describing the Geology, Geochemistry and Prospecting at the Mike Lake Property	Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
094221	2000	Geological and Geochemical Report on the Oki-Doki Claims	Rock - Geochemistry, Soil - Geochemistry, Regional Bedrock Mapping - Geology, Mechanical - Trenching		
093961	1998	Geological, Geochemical and Geophysical Report on the Oki-Doki Project Claims	Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, IP - Ground Geophysics, Magnetics - Ground Geophysics, Prospecting - Other		
093922	1998	Assessment Report 1998 Geological, Geochemical and Geophysical Program Mike Lake Property	Magnetic - Airborne Geophysics, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, IP - Ground Geophysics, Handblast - Trenching		
093967	1998	Geological, Geochemical and Geophysical Report on the Oki-Doki Project Claims	Silt - Geochemistry, Soil - Geochemistry, IP - Ground Geophysics, Magnetics - Ground Geophysics		
093768	1997	Geological, Geophysical and Geochemical Assessment Report on the Oki-Doki Project Claims	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Regional Bedrock Mapping - Geology, Prospecting - Other, Process/Interpret - Pre-existing Data		
092912	1990	Report on the 1990 Geological and Geochemical Exploration Work on the Lorrie Property	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other		