



Occurrence Details

Occurrence Number: 105C 022

Occurrence Name: Lindsay

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 6/15/2025 11:47:55 AM

General Information

Secondary Commodities: copper, gold, mercury, nickel, silver

Deposit Type(s): Ultramafic Mafic Flood basalt-associated Ni-Cu

Location(s): 60°55'39" N - -133°3'7" W

NTS Mapsheet(s): 105C14

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Exploration History

First staked in Aug/62 as Dawn cl (81772) by M. Kroyden, who built an access road and did some bulldozer trenching in 1963. Restaked as Hidden Minerals and Mineral Spring cl (Y8289) in Jun/66 by Joe Lindsay to cover a GSC aeromag anomaly. Newmont optioned the claims briefly in 1966 and conducted geochemical and ground mag surveys and staked additional claims (Gossan, Spring, and Mineral groups). Atlas EL conducted a small EM survey in 1967.

A new company, Trans Yukon EL, was formed in Nov/67 to develop the property and an airborne mag, EM and radiometric survey was flown and extensive bulldozer trenching and more geophysical surveys were done in 1968 and 1969. The property was optioned briefly in 1968 by Arrow Inter-America Corp L.

Restaked by Lindsay as Lindsay cl (Y66684) in Jun/72, which he explored with EM16 and EM17 surveys and 4 holes (404.77 m) in 1972-73. Lindsay restaked a previous drill target as CL and ML cl (Y66684) in Jul/77, drilled 3 holes (338.02 m) and added more Lindsay cl in 1978 (YA23779, YA22648) and Sep/80 (YA51470). Both properties were transferred in 1982 to Yukon O & G Dev, which restaked the southwest drill target as Lindsay cl (YA78085) in Aug/83 and performed mapping and geochem surveys in 1983, 1984 and 1988. R.J. Lindsay filed \$2800 of drilling on the Lindsay claims in 1992.

Drew MacDonald restaked the property as PGMC cl (YB8974) in Nov/87, tied on Quiet cl (YB13912) in Jun/88, performed reconnaissance geochemistry and trenched the northeast target in 1988, and performed linecutting on the CL and trenching on the Lindsay claims in 1989. Yukon Oil and Gas performed blast trenching on the Lindsay, ML, and CL cl in Aug/93, and further sampling on the Lindsay cl in Nov/93.

Capsule Geology

The original staking followed the discovery of copper float in an area of extensive overburden. Transported iron-manganese gossans are common and are related to bodies of serpentinized dunite and peridotite. Moderately anomalous copper and nickel values coincide with magnetic and IP anomalies which are probably caused by magnetite and sulphides in the ultramafic rocks.

The drilling tested a coincident IP and EM16 anomaly at the contact between a peridotite stock and Paleozoic metasedimentary rocks. The anomaly was found to be caused by abundant pyrrhotite and pyrite (up to 20%) and traces of chalcopyrite in a zone about 100 m wide which follows the contact. The best assay was 0.03% Cu and 0.01% Ni from between 21 and 24 m in Hole 2.

Resampling of the core in 1983 returned low precious metal values, including 3.0 g/t Au and 26.0 g/t Ag from Hole 1. One trench specimen assayed 1000 ppb Hg.

Two silt samples taken from Quiet Creek in 1988 returned 175 and 459 ppb Au, and one contained 50 ppb Pt. A specimen of ultramafic rock contained 1600 ppm Ni.

Work History

Date	Work Type	Comment
7/1/2020	Airborne Geophysics	
7/1/2020	Airborne Geophysics	
7/1/2013	Airborne Geophysics	
7/1/2013	Airborne Geophysics	
7/1/2013	Airborne Geophysics	
7/1/2004	Airborne Geophysics	
7/1/2004	Airborne Geophysics	
7/1/2004	Airborne Geophysics	
7/1/2004	Airborne Geophysics	
7/1/1989	Geochemistry	
7/1/1989	Geochemistry	
7/1/1984	Geochemistry	
7/1/1973	Geochemistry	
7/1/1969	Trenching	
7/1/1969	Ground Geophysics	
7/1/1969	Ground Geophysics	

7/1/1968	Trenching	
7/1/1968	Airborne Geophysics	
7/1/1968	Ground Geophysics	
7/1/1968	Airborne Geophysics	
7/1/1967	Geochemistry	
7/1/1966	Geochemistry	
12/31/1989	Geochemistry	Reconnaissance scale.
12/31/1989	Trenching	
12/31/1988	Geology	
12/31/1984	Geology	
12/31/1984	Other	
12/31/1983	Geology	
12/31/1983	Other	
12/31/1978	Drilling	Three holes, 383 m.
12/31/1973	Drilling	Four holes, 404.8 m.
12/31/1972	Ground Geophysics	
12/31/1969	Ground Geophysics	Also IP survey.
12/31/1968	Airborne Geophysics	Also EM and radiometric surveys.
12/31/1967	Trenching	
12/31/1967	Airborne Geophysics	Also EM and radiometric surveys.
12/31/1966	Geochemistry	Also soil sampling.
12/31/1966	Ground Geophysics	
12/31/1963	Development, Surface	
12/31/1963	Trenching	
12/13/1993	Geochemistry	Sampled trenches.
12/13/1993	Trenching	Cleaned out trenches.
12/13/1969	Geochemistry	Grid based.
12/13/1968	Geochemistry	
12/13/1968	Ground Geophysics	Also IP survey.
12/13/1967	Ground Geophysics	Small survey over part of property. Also EM survey.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096329	2013	Report on Processing and Analysis of Hummingbird EM, Magnetics and Radiometric Data	Electromagnetic - Airborne Geophysics, Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics		
095294	2004	Final Report on a Helicopter-Borne Geophysical Survey Canol Survey Area Yukon Territory	Electromagnetic - Airborne Geophysics, Electromagnetic - Airborne Geophysics, Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Radiometric - Airborne Geophysics		
092698	1989	The Quiet Lake Group	Rock - Geochemistry, Silt - Geochemistry		
091574	1984	Summary Report on the Quiet lake Group	Rock - Geochemistry		
091112	1973	[Diamond Drill Logs on the Lindsay Claims 1973]	Diamond - Drilling, Drill Core - Geochemistry	2	157.30
091111	1973	[Diamond Drill Logs on the Trans Yukon Quiet Lake Property 1973]	Diamond - Drilling, Drill Core - Geochemistry	4	404.50
060684	1969	Summary Report and Report on Induced Polarization and Magnetometer Survey for Trans-Yukon Exploration Ltd.	IP - Ground Geophysics, Magnetics - Ground Geophysics		
060843	1969	A Report on Physical Work, Ground Magnetic, and an Electromagnetic Survey, Quiet Lake Area	EM - Ground Geophysics, Magnetics - Ground Geophysics, Backhoe - Trenching		
019925	1968	Preliminary Report on Airborne Geophysical Survey on the Lindsay Group	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Radiometric - Airborne Geophysics		
060686	1968	Summary Report, Trans Yukon Exploration Ltd., Lindsay Group	Soil - Geochemistry, EM - Ground Geophysics, Magnetics - Ground Geophysics, Backhoe - Trenching		

018622	1968	Summary Report, Trans Yukon Exploration Ltd., Lindsay Group	Soil - Geochemistry, EM - Ground Geophysics, Magnetics - Ground Geophysics, Backhoe - Trenching		
018621	1967	Report on Lindsay group	Rock - Geochemistry		
060683	1966	Report on Geochemical Survey, Lindsay Claim Group	Soil - Geochemistry		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC005231	Spectrographic analyses sheet - Kroyder prospect		Property File Collection	Miscellaneous Company Documents
ARMC005232	E.M. survey map - Kroyder prospect		Property File Collection	Geophysical Map
ARMC005233	Map showing limonite prospect and pyritic schist - Kroyder prospect		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC005234	S.P. survey map - Kroyder prospect		Property File Collection	Geophysical Map
ARMC005235	Report on Kroyder prospect, Quiet Lake		Property File Collection	Report
ARMC005236	Correspondence Re: Kroider claims, Quiet Lake area		Property File Collection	Miscellaneous Company Documents
ARMC005237	Claim map - Kroyder prospect		Property File Collection	Geoscience Map (General)
ARMC005238	Notes RE: Kroider Gossan property, Quiet Lake area, Yukon		Property File Collection	Miscellaneous Company Documents
ARMC005226	Report on Kroyder prospect		Property File Collection	Report
ARMC005227	Correspondence Re: Kroyder prospect, Quiet Lake		Property File Collection	Miscellaneous Company Documents
ARMC005228	Correspondence Re: Progress on Cat and Fog Lake		Property File Collection	Miscellaneous Company Documents
ARMC005229	Correspondence Re: Transported gossan - Ross River area		Property File Collection	Miscellaneous Company Documents
ARMC005230	Correspondence Re: Silver-lead prospect, Boswell River area		Property File Collection	Miscellaneous Company Documents
ARMC013465	Report on Trans Yukon Exploration (N.P.L.) Ltd. - December 1967		Property File Collection	Report
ARMC013461	Property examination report: Joe Lindsay claims - Quiet Lake area		Property File Collection	Report
ARMC013464	Memo re: Trans Yukon Exploration Limited - Quiet Lake, Y.T.		Property File Collection	Miscellaneous Company Documents
ARMC013463	Ground magnetic contours - Lindsay option - Quiet Lake area		Property File Collection	Geophysical Map
ARMC013462	Airborne geophysical reconnaissance - Lindsay group - Fig. 1		Property File Collection	Geophysical Map
02-086	Prospecting and Basic Exploration on Johnson's Crossing Regional PGE Project		Yukon Government: Energy, Mines and Resources	YMEP Report
04-055	Summary Report on Smoker Flats Area Airborne Geophysical Survey		Yukon Government: Energy, Mines and Resources	YMEP Report
04-059	Summary Report on Kingdome Ridge Airborne Geophysical Survey		Yukon Government: Energy, Mines and Resources	YMEP Report

Drill core at YGS core library

Number	Property	Year Drilled	Core Size	Photos	Data
LIN-79-1	Lindsay	1978	AQ	0	1
LIN-79-2	Lindsay	1978	AQ	0	1
LIN-79-3	Lindsay	1978	AQ	0	1
Lindsay-1	Quiet Lake	1973	AQ	0	1
Lindsay-2	Quiet Lake	1973	AQ	0	1
Lindsay-3	Quiet Lake	1973	AQ	0	1