

RUN DATE: 90/04/24
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MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES
 MINERAL RESOURCES DIVISION - GEOLOGICAL SURVEY BRANCH
 MINFILE - REPORT

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MINFILE

MINFILE NO.: 082ESE011

NATIONAL MINERAL INVENTORY NO.: 82E2 Ag2

NAME(S): SKYLARK (L.1288) - 0B

STATUS: ~~Past~~ Producer
 N.T.S.: 082E02E
 LATITUDE: 49 05 27
 LONGITUDE: 118 37 10

MINING DIVISION: Greenwood

UTM ZONE: 11
 UTM NORTHING: 5438597
 UTM EASTING: 381763

LOCATION ACCURACY: Within 500 M

COMMODITIES:	Gold	Silver	Lead
	Zinc	Copper	
SIGNIFICANT MINERALS:	Galena	Sphalerite	Tetrahedrite
	Ruby Silver	Pyrite	Silver
ASSOCIATED MINERALS:	Quartz	Serpentine	Chalcopyrite
ALTERATION MINERALS:	Quartz	Carbonate	Serpentine
	Hematite		Chlorite
ALTERATION TYPE(S):	Silicific'n	Carbonate	Serpentine
AGE OF MINERALIZATION:	Unknown		Oxidation
DEPOSIT CHARACTER:	Vein	Stockwork	Disseminated
DEPOSIT CLASS.:	Replacement	Epigenetic	Hydrothermal

STRIKE/DIP: 020 52E

COMMENTS: Attitude of Skylark vein.

DOMINANT HOST ROCK: Volcanic

GROUP: Attwood

STRATIGRAPHIC AGE: Pennsylvan.-Permian

IGNEOUS/METAMORPHIC/OTHER: Greenwood Stock

ISOTOPIC AGE: 150 +/- 5 Ma DATING METHOD: Potassium/Argon

STRATIGRAPHIC AGE: Upper Jurassic

MATERIAL DATED: Mica-Hornfels

LITHOLOGY: Argillite
 Andesite
 Latite
 Granodiorite
 Quartz Vein
 Andesite Dyke
 Chert

COMMENTS: Attwood Group age Permo-Carboniferous.

TECTONIC BELT: Omineca
 TERRANE: Quesnellia
 PHYSIOGRAPHIC AREA: Okanagan Highland

RESERVES:

ZONE: H ZONE

CLASSIFICATION: Best Assay
 DATE: 1986
 SAMPLE TYPE: Drill Core

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COMMODITY

GRADE

Gold 12.7900 Grams per tonne
 Silver 1047.2500 Grams per tonne
 COMMENTS: A 1.5 metre section. 77,095 tonnes of inferred ore assayed 2.74
 grams per tonne gold, and 685.6 grams per tonne silver.
 REFERENCE: Assessment Report 15731

PRODUCTION: ** ALL METRIC VALUES ARE IN KILOGRAMS EXCEPT PRECIOUS METALS WHICH ARE IN GRAMS **
 ** ALL IMPERIAL VALUES ARE IN POUNDS EXCEPT PRECIOUS METALS WHICH ARE IN OUNCES **

YEAR	Tonnes Mined	Tonnes Milled	Gold	Silver	Copper	Lead	Zinc
1988	19,102	21,591	51,103	8,835,005	6,346	81,672	5,063
1940	2	0	31	2,582		34	47
1936	90	0	964	181,019		1,961	2,657
1935	239	0	1,182	209,416		1,185	2,104
1922	2	0		933		528	
1920	27	0	187	19,128			
1918	81	0			3,415		
1917	6	0		280	302		
1915	139	0	1,120	142,638			
1907	192	0	2,613	411,959		826	
1906	545	0	5,847	2,089,997		15,660	
1905	485	0	8,118	1,468,342		4,536	
1904	48	0	1,213	217,317		1,565	
1894	62	0	715	423,001			
1893	13	0	435	116,698			
METRIC TOTAL:	21,033	21,591	73,528	14,118,315	10,063	107,967	9,871
IMPERIAL TOTAL: Tons		Tons					
23,185	23,800	2,364	453,914	22,185	238,026	21,762	
COMMENTS FOR 1988:	Concentrates: Lead/Silver 914 t.						

GEOLOGY: Geology of the Skylark property consists of an andesite and latite sequence overlain by argillites and capped by a banded chert. Granodiorite of the Greenwood Stock intrudes this sequence. The Skylark vein, striking 020 degrees and dipping 52 degrees east, occurs in a zone of intense silicification and carbonatization, and is cut by quartz and calcite stringers. The stringers host varying amounts of galena, sphalerite, tetrahedrite, arsenopyrite, stibnite, ruby silver, and pyrite. The H zone occurs within a fault trending 040 degrees and dipping 50 degrees southeast. The fault cuts an andesite dyke within the granodiorite. Mineralization in the H zone consists of massive fine-grained, banded pyrite, hematite, sphalerite, galena, chalcopryite, native silver, and ruby silvers with variable amounts of quartz. Below the H zone, drilling discovered the Serp zone consisting of a speared serpentine-chlorite-talc altered andesite dyke within granodiorite. The Serp zone contains variable high

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gold and silver values.

BIBLIOGRAPHY:

EMPR AR 1893-1077; 1894-755; 1895-702; 1896-577,591; 1898-1196;
1902-180; 1903-167; 1904-212; 1905-180,183; 1906-158,250;
1907-109,215; 1915-201,446; 1919-174; 1920-156; 1934-A25,G57;
1936-D57; 1940-24; 1964-171
EMPR GEM 1969-306; 1974-33; 1976-E20
EMPR ASS RPT 542, 1819, 5181, 5925, 8396, 11757, *15731
GSC P 45-20
GSC MAP 45-20A; 6-1957; 828
GCNL #144, #153, #200, #206, #230, 1984; #67, #71, #75, #77, #85, 1985
N MINER Nov. 1, 1984; Mar. 7, May 16, 1985
EMPR OF (McDougall, 1926)

DATE CODED: 850724
DATE REVISED: 880331

CODED BY: GSB FIELD CHECK: NO
REVISED BY: BL FIELD CHECK: NO

EMR Canada Mineral Data Bulletin



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