

52925

GREENWOOD EXPLORATIONS LTD., (N.P.L.)
VANCOUVER, B.C.

ASSESSMENT GEOLOGICAL REPORT
ON
SKYLARK CLAIM GROUP
GREENWOOD MINING DIVISION

MAY 5, 1976

JOHN H. KRUZICK, B.Sc.

BURNABY 2, BRITISH COLUMBIA

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 5925 MAP

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INTRODUCTION

GENERAL:

During the months of July, August and September, 1975 the writer and his assistant conducted a field exploration program on the Skylark Claim Group. This program consisted of hand trenching, re-establishing grid lines and a geological survey.

The aim of this program was to sample the sulphide mineralization in the old workings and the new trenches, and to map the geology and the workings using the grid for control. The total funds expended during this program was \$5,746.30.

PROPERTY:

The present claim group, consisting of ten Reverted Grown-Granted Mineral Claims, is owned by John MacLean Jr., of Greenwood, B.C., and is presently held under an option agreement by Greenwood Explorations Ltd., (N.P.L.). The following is a list of the mineral claims.

<u>CLAIM NAME</u>	<u>RECORD NUMBER</u>
Skylark L.763	36714
Iron Cap L.1574 Triumvirate Frac. L.1777	36715
Silver Cloud L.1218 Silver Cloud Frac.L454s	36716
Meadow Lark L.1712	36717
Hope No. 2 L.1849	36718

<u>CLAIM NAME</u>	<u>RECORD NUMBER</u>
Arcadia L.3135	36719
Last Chance L.753	36720
Denver L.764	36721
Smilax L.1064	36722
Silver King L.1097	36723

All of the claims are presently in good standing as to assessment work filing and claim rental payments to August 1, 1976. An assessment work report is presently being prepared for filing with the Department of Mines and Petroleum Resources for work credit.

LOCATION AND ACCESS - REFER TO LOCATION MAP

The Skylark Property is located one and one-half miles east of the town of Greenwood, B.C. in the vicinity of Twin Creek. A paved road from Greenwood to the northern part of the property intersects a number of dirt access roads which lead to the old workings.

HISTORY:

The Skylark Property's history dates back to 1893, and has been worked intermittently from that time to 1940. The property has been developed by underground mining methods, and production has been recorded on The Skylark Claim and The Last Chance Claim. The Skylark Zone has produced 2,030 Tons of ore grading 0.36 oz. gold/ton, 83.3 oz. silver/ton, 2 % lead, and 2.5% zinc. The Last Chance Zone has produced 890 Tons of ore, grading 0.17 oz. gold/ton and 110 oz. silver/ton, lead and zinc content not known.

During the 1973 field season the writer supervised a diamond drill program on the Skylark Claim. A total of 106.5 feet of EXL core was drilled in five diamond drill holes. The program was aimed at investigating the possibility of an on-strike extension of the zone to the south of the old workings. From the diamond drill core information, it was concluded that the zone does persist beyond the old workings; Reference: Summary Report, Skylark Property, December, 1973.



LOCATION MAP

SKYLARK PROPERTY

GREENWOOD MINING DIVISION

DATE: MAY, 1976

SCALE: 1" = 3000 FT.

WORK PROGRAM

PROSPECTING AND HAND TRENCHING

Prospecting and hand trenching were carried out in the vicinity of the showings on the Skylark Claim, Silver Cloud Claim, and Last Chance Claim. A total of 8 trenches were cut into bedrock, and sulphide mineralization encountered was sampled, and assayed for gold and silver. Assay results of the sampling are recorded in the Geology Plan.

RE-ESTABLISHING THE GRID LINES

The existing base line and grid lines were re-established. The lines were re-cut where required, and all lines were flagged and picketed.

GEOLOGICAL SURVEY

Geological mapping, using the grid for control, was conducted in the vicinity of the Skylark Zone, Last Chance Zone, Silver Cloud Zone, and other areas on the claim block. All of the old workings and newly trenched areas were tied into the grid system. Outcrops on the property are fairly scarce except in the immediate areas around the main zones.

GEOLOGY AND SULPHIDE MINERALIZATION

Reference: G.S.C. Map 10 - 1967

Refer to Geology Plan

The Skylark Claim Group is located immediately east of the eastern boundary of the Cretaceous Nelson Batholith, and is underlying by Permian volcanics and sediments of the Anarchist Group which are intruded by small stocks and dykes of granodiorite and quartz diorite composition.

SKYLARK ZONE

The Skylark Zone, where most of the production was recorded, has old workings located along 1300 feet of it's strike length. The zone trends north-south and dips 50 - 60° east. Mining appears to have been along 500 feet of strike length, and down to a depth of 180 feet. No true width of this zone was determined, but in one trench assay values were obtained over an apparent width of 8 feet. The zone is located between L.16 South - 11 East and L.32 South - 10 East.

From surface geological mapping, sulphide mineralization was found to occur as disseminations in the greenstone, as fracture coatings, as quartz veinings in limy greenstone, and as massive sulphides in a skarnified greenstone. Pyrite and pyrrhotite found as disseminations and as fracture coatings in the greenstones did not give any significant assays for gold and silver.

The massive sulphides, consisting of pyrite, pyrrhotite, and magnetite, also gave very low assays. Significant assays for gold and silver were obtained from the quartz veins in the limy greenstone. The main minerals identified were pyrite, pyrrhotite, galena, sphalerite and argentite. Sampling of an 8 ft. width of quartz veining gave Ag 8.95 oz./ton, and Au 0.06 oz./ton. Sampling of the mine dump gave Ag 49.50 oz./ton and Au 0.42 oz./ton.

SILVER CLOUD ZONE

The Silver Cloud Zone which has no recorded history of production has a number of adits, shafts and trenches located along the trend of the structure. This zone is located approximately 2000 feet northwest of the Skylark workings, around L.16 South - 10 West.

The main zone is a wide rusty skarnified greenstone in contact with a granodiorite intrusive, which can be traced along its trend over a length of 500 feet. The width of the zone outcrops for 50 feet away from the contact, where it goes into the overburden. The structure trends approximately east-west, and dips 55 - 60° south. The zone is a heavily oxidized skarn with massive sulphide lenses consisting of pyrite, pyrrhotite and magnetite mineralization. Assaying of the massive sulphide rock gave very low values for gold and silver.

A narrow quartz vein, approximately 5 inches in width, was found parallelling the trend of the skarn. The vein appeared to be located within the skarn rock, and contained grey sulphide mineralization which gave significant assays for gold and silver. No length of this vein could be determined, because of overburden. Sampling across a 5 inch width gave Ag 54.50 oz./ton and Au 0.125 oz./ton.

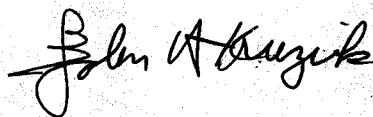
LAST CHANCE ZONE

The Last Chance Zone, the other zone with a recorded history of production, is located in the extreme north-west area of the claim group, near the Greenwood - Phoenix road. Two shafts and a number of trenches were mapped on the claim. From the location of the shafts and trenches it is thought that the structure is trending east-west. The structure itself could not be mapped because the workings had caved. Distance between the two shafts, which are thought to be connected by underground workings, is approximately 200 feet.

The predominant rock type in the area of the workings is a rusty quartz diorite with inter-layers of argillite. Quartz veining in the quartz diorite was found in one of the trenches and on the mine dump.

The quartz veining has malachite alteration and grey sulphide mineralization disseminated along fracture planes. Samples from the mine dump gave significant values in gold and silver: Ag 8.82 oz./ton, Au 0.205 oz./ton. A sample taken from the trench gave Ag 3.10 oz./ton and Au 0.10 oz./ton.

Respectfully submitted,



May 5, 1976

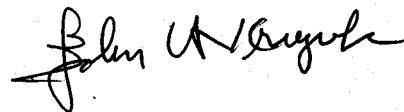
John H. Kruzick, B.Sc.

CERTIFICATE

I, John H. Kruzick, of 7132 Buffalo St.,
Burnaby 2, B.C., do hereby certify that:

1. I am a graduate geologist of the University
of British Columbia, (B.Sc., 1969).
2. I am a member of the Geological Association
of Canada.
3. I have been actively engaged in mineral
exploration since my graduation.
4. I have been self-employed as a geologist in
the mineral exploration field since January, 1972.
5. In the 1975 field season I conducted a field
exploration program on the Skylark Claim Group.
The findings in this report are the result of
this survey.

Respectfully submitted,



May 5, 1976

John H. Kruzick, B.Sc.

TO _____
 Greenwood Exploration Ltd.
 910 Mainland Street,
 Vancouver, B. C.

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis
 6455 Laurel St., Burnaby 2, B.C.

Tel: 299-5242

File No. 4255

Type of Samples Rocks

Disposition _____

ANALYSES CERTIFICATE

No.	Sample	Silver oz/ton	Gold oz/ton						No.
1	23451	.04	.001						1
2	23452	49.50	.420						2
3	23453	2.10	.012						3
4	23454	.12	.002						4
5	23455	.10	.001						5
6	23456	.08	.001						6
7	23457	8.82	.205						7
8	23458	.10	.003						8
9	23459	54.50	.125						9
10	23460	3.60	.010						10
11									11
12									12
13									13
14									14
15									15
16									16
17									17
18									18
19									19
20									20

All reports are the confidential property of clients

DATE SAMPLES RECEIVED July 30, 1975

DATE REPORTS MAILED Aug 6, 1975

ANALYST

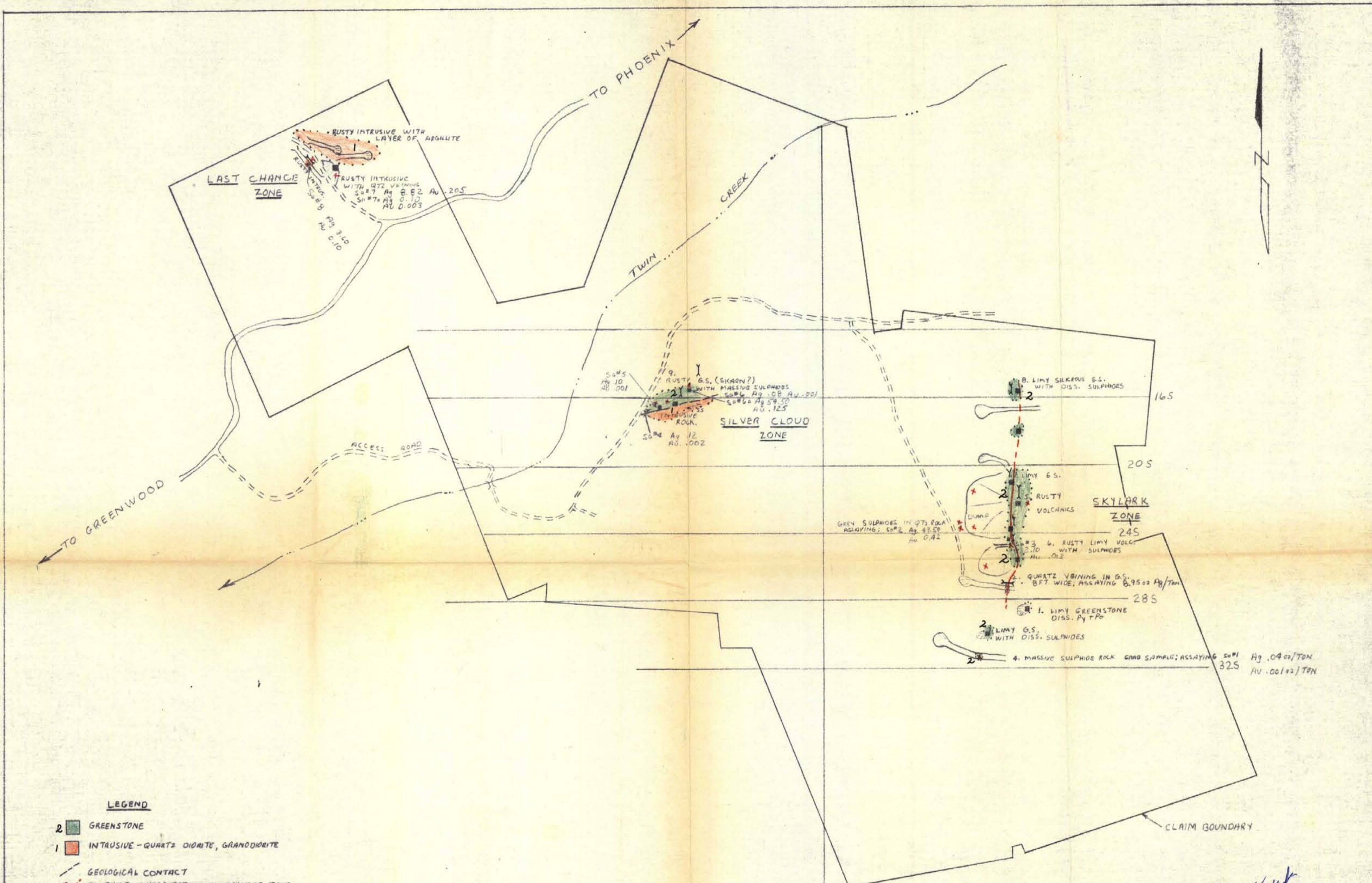
Dean Toye

DEAN TOYE, B.Sc.
 CHIEF CHEMIST
 CERTIFIED B.C. ASSAYER

COST STATEMENT

1.	Crew Wages:	
	Geologist and Two Prospectors	\$3,525.00
2.	Report Writing and Maps	350.00
3.	Travel, Accommodations, and Meal Expenses	764.00
4.	TRUCK RENTAL 4X4	300.00
5.	Drill Rental, Steel, and Explosives	392.80
6.	SUPPLIES	44.50
7.	Assays	70.00
8.	Assessment Work Recording Fees	200.00
9.	Miscellaneous	100.00
	TOTAL	<u>\$5,746.30</u>

B. L. King



LEGEND

- 2 ■ GREENSTONE
- 1 ■ INTRUSIVE - QUARTZ DIORITE, GRANODIORITE
- GEOLOGICAL CONTACT
- ✱ SULPHIDE MINERALIZATION, MINERALIZED ZONE
- SHAFT
- ADIT
- CAT. TRENCH
- Su# GRAB SAMPLES WITH LOCATION AND ASSAYS
- 165 — GRID LINE
- HAND TRENCH
- OUTCROP BOUNDARY
- ROAD

5925 M-2

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5925 MAP 2

GREENWOOD EXPLORATIONS LIMITED (N.R.L.)
VANCOUVER, B.C.

SKYLARK SILVER PROPERTY, GREENWOOD M.D.
PRELIMINARY GEOLOGY PLAN

DRAWN BY: JOHN KRZICK

SCALE: 1"=400 FT. DATE: MAY 1974

John Krzick