

ARIS SUMMARY SHEET

District Geologist, Nelson

Off Confidential: 89.03.25

ASSESSMENT REPORT 17308

MINING DIVISION: Greenwood

PROPERTY: Emma
 LOCATION: LAT 49 08 00 LONG 118 33 00
 UTM 11 5443215 386930
 NTS 082E02E

CLAIM(S): Emma, Jumbo, Mountain Rose

OPERATOR(S): Skylark Res.

AUTHOR(S): Burns, P.J.

REPORT YEAR: 1988, 51 Pages

COMMODITIES

SEARCHED FOR: Gold, Silver, Copper, Lead, Zinc

GEOLOGICAL

SUMMARY: Skarn zones have developed in limestone near diorite-granodiorite intrusives. Mineralization consists of disseminations, blebs, stringers and rarely massive sulphide bodies of chalcopyrite, bornite, galena, sphalerite, pyrite, magnetite and pyrrhotite.

WORK

DONE: Drilling, Physical, Geochemical
 DIAD 872.9 m 6 hole(s); NQ
 ROAD 1.5 km
 SAMP 126 sample(s) ;ME

MINFILE: 082ESE062

LOG NO: 0427	RD.
ACCT NO:	
FILE NO:	

DIAMOND DRILLING
REPORT

ON THE

BLUEBELL PROJECT

GREENWOOD MINING DIVISION
BRITISH COLUMBIA
N.T.S. MAP # 82E/2E

LATITUDE 49 08'
LONGITUDE 118 33'

FOR

SKYLARK RESOURCES LTD.

BY

FILMED

P. J. BURNS, F.G.A.C.
GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,308

CLAIMS: EMMA, JUMBO, MOUNTAIN ROSE
OWNER: KETTLE RIVER RESOURCES LTD.
AND HOUSTON METALS CORP.

Vancouver, British Columbia
Canada



March 1, 1988

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Appendix 2	Assay Results
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INTRODUCTION

The purpose of this report is to detail results of a diamond drill program conducted by Skylark Resources Ltd. on a portion of the Summit Camp "Bluebell" project optioned from Kettle River Resources. This report is to be applied towards assessment requirements on the property.

Additional surveys conducted in late 1987 include soil geochemistry and magnetometer geophysics, which are also summarized herein as a matter of interest but not submitted for assessment purposes.

During November and December, 1987, Skylark Resources Ltd. drilled a total of 2863 feet (872.86 m) of NQ core in six diamond drill holes on the property to test for precious metals potential.

Numerous past-producing mines occur on the ground and the current exploration was confined to testing for additional ore reserves on the Emma, Jumbo and Mountain Rose deposits.

All holes were drilled to test previously delineated geophysical and/or geochemical anomalies on strike of past-producing mineralized zones.

The drill program successfully determined the cause of each anomaly tested, although results indicate that present overall economic potential, with the possible exception of germanium, is low in or near the areas drilled.

LOCATION & ACCESS

The Emma-Bluebell property is centered about 10 kilometers northeast of Greenwood, B.C. adjacent to and immediately south of Provincial Highway No. 3. (See Figure 1).

The National Topographic System map reference is 82E/2E and the co-ordinates for the property are Latitude N 49 08' and Longitude 118 33'.

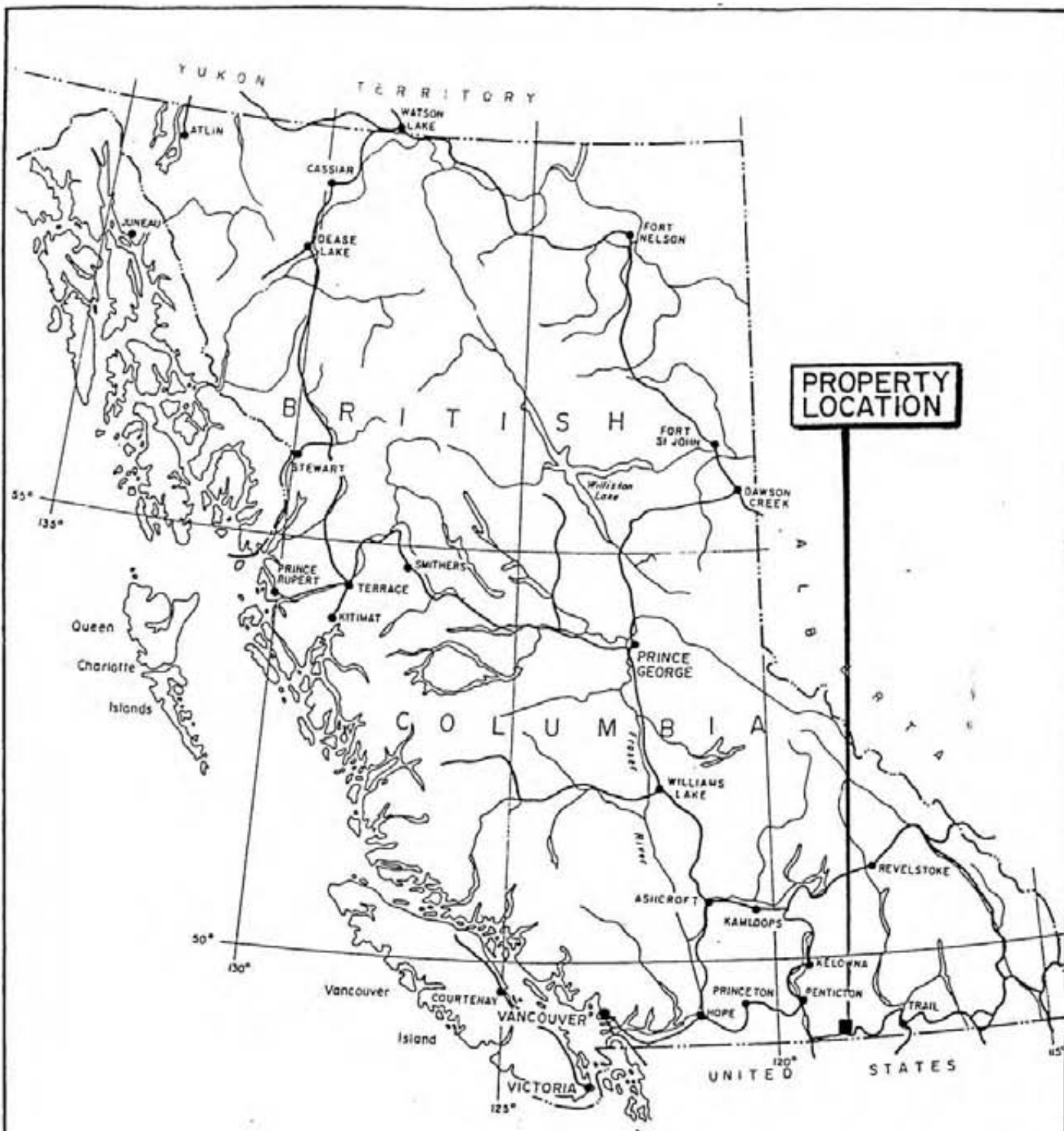
Elevations range from 2400 feet (1030 m) to 4100 feet (1250 m) on the property.

Good access to the area is provided by the many roads and abandoned railway grades as well as the main highway from Greenwood to Grand Forks.

CLAIM STATUS

The Bluebell Project undertaken by Skylark consists of 67 units in Eholt township in the Greenwood Mining Division owned by joint-venture partners Kettle River Resources (51%) and Houston Metals (49%).

Appendix #1 is an alphabetical listing of all the claims.



SKYLARK RESOURCES LTD.	
BLUEBELL OPTION	
LOCATION MAP	
N.T.S. 82E-2E	GREENWOOD M.D., B.C.
0 100 200 500KM.	
SCALE - AS SHOWN	DATE : FEB. 1988
DRAWN BY: P.B.	FIGURE No. 1

HISTORY

The Greenwood area has been an important past producer of copper-gold-silver mineralization mainly from the Triassic Brooklyn Formation.

The Phoenix, Deadwood and Summit mining camps combined have produced approximately 35.4 million tons of ore grading 0.86% copper, 0.033 oz/t gold and 0.20 oz/t silver. Mining activity was primarily during the periods 1900 to 1919 and 1957 to 1978.

The Summit camp was discovered in 1891 and until 1920 the main producers were the Oro Denoro, Emma and B.C. Mines.

The Emma and, to a lesser extent, the Mountain Rose and Jumbo properties within the Summit Camp, were worked originally for fluxing Rosslund ores and would have been uneconomic without allowing credit for direct smelting and fluxing properties.

The Emma produced 262,560 tons of rock grading 0.028 oz/t gold, 0.32 oz/t silver and 1.17% copper before being mined out in 1921 and abandoned in 1925.

Production figures from the Mountain Rose are unavailable but, were probably less than 10,000 tons.

Activity from the 1920's to the 1950's was very limited until 1951 to 1953 when Attwood Copper Mines Ltd. conducted regional exploration over a portion of the property.

Noranda Mines Ltd. carried out systematic exploration in 1955 to 1956.

Activity concentrated on the Oro Denoro Mine in future years, and interested parties included West Coast Resources Ltd. (1963 to 1966), Furukawa Mining Company Ltd. (1967), West Coast Resources Ltd. (1968), Dolmage, Campbell and Associates (1969), Granby Mining Corporation (1974-76) and New Frontier Petroleum (1979).

Kettle River Resources optioned the B.C. Mine and adjacent claims in 1981, and merged the claims with New Frontier to encompass the current claim holdings.

AREA GEOLOGY

The region comprises three principal rock units. These are, from oldest to youngest, the Paleozoic Knob Hill Group, the Triassic Brooklyn Formation intruded by numerous post-Triassic diorite to granodiorite dykes and irregular bodies, and finally, the Tertiary Kettle River Formation sediments.

The youngest rocks in the area are feldspar porphyry, feldspar-biotite syenite and basalt dykes.

PROPERTY GEOLOGY

On the Emma and Mountain Rose properties skarn zones are developed in limestones near the diorite-granodiorite contacts.

Mineralization consists of disseminations, blebs, stringers and rare massive sulphide bodies of chalcopyrite, bornite, galena, sphalerite, pyrite, magnetite and pyrrhotite.

Additional more detailed accounts of the property geology have been described by Kyba and Daughtry (1984) and Fyles (1982 and 1985).

PREVIOUS WORK

Skylark Resources Ltd. conducted both soil geochemistry and magnetometer surveys over a portion of the Bluebell option during the period October to November, 1987. The survey work was contracted out to a local company, as was the re-establishment of the original grid. New lines were cut to the west of the Emma in order to increase the survey coverage in this direction.

SOIL GEOCHEMISTRY

Skylark conducted a soil geochemical survey on the property in October, 1987, specifically over the Emma, Jumbo and Mountain Rose zones.

The pre-existing grid was re-cut and utilized for the purposes of the present survey, with a 100 ft. (30.49m) line-spacing and 100 ft. (30.49m) sample sites.

The baseline (60+00W) was sampled every 50 ft. (15.24m).

The survey established several target areas, many of which were subsequently drill tested.

GEOPHYSICS

The magnetometer survey was carried out using the same grid and stations as the geochemical study, with additional readings on 50 ft. (15.24m) intervals and several 50 ft. (15.24m) lines to provide detail between lines in anomalous areas.

Numerous anomalies were found, particularly in the area of the Emma deposit and on strike of the old workings.

Anomalies were also indicated on the Mountain Rose property, with a localized moderate high over the old mine area and weak values along strike.

DIAMOND DRILLING

1 FT = 30.5 cm

The geochemical and magnetometer surveys delineated several targets over the Emma, Jumbo and Mountain Rose properties which in many cases were coincident and subsequently rated as highest priority with respect to drill targets.

The diamond drilling program totalled 2863 feet (872.86 metres) of NQ core in 6 angle drillholes during the period from November 7 to December 12, 1987. Drillhole locations are shown in Figure 2.

Min-Ex Drilling, from New Denver, B.C., conducted the drilling with a Longyear 38 and site preparation was carried out by a D-7 cat contracted from Rick Pavan of Grand Forks.

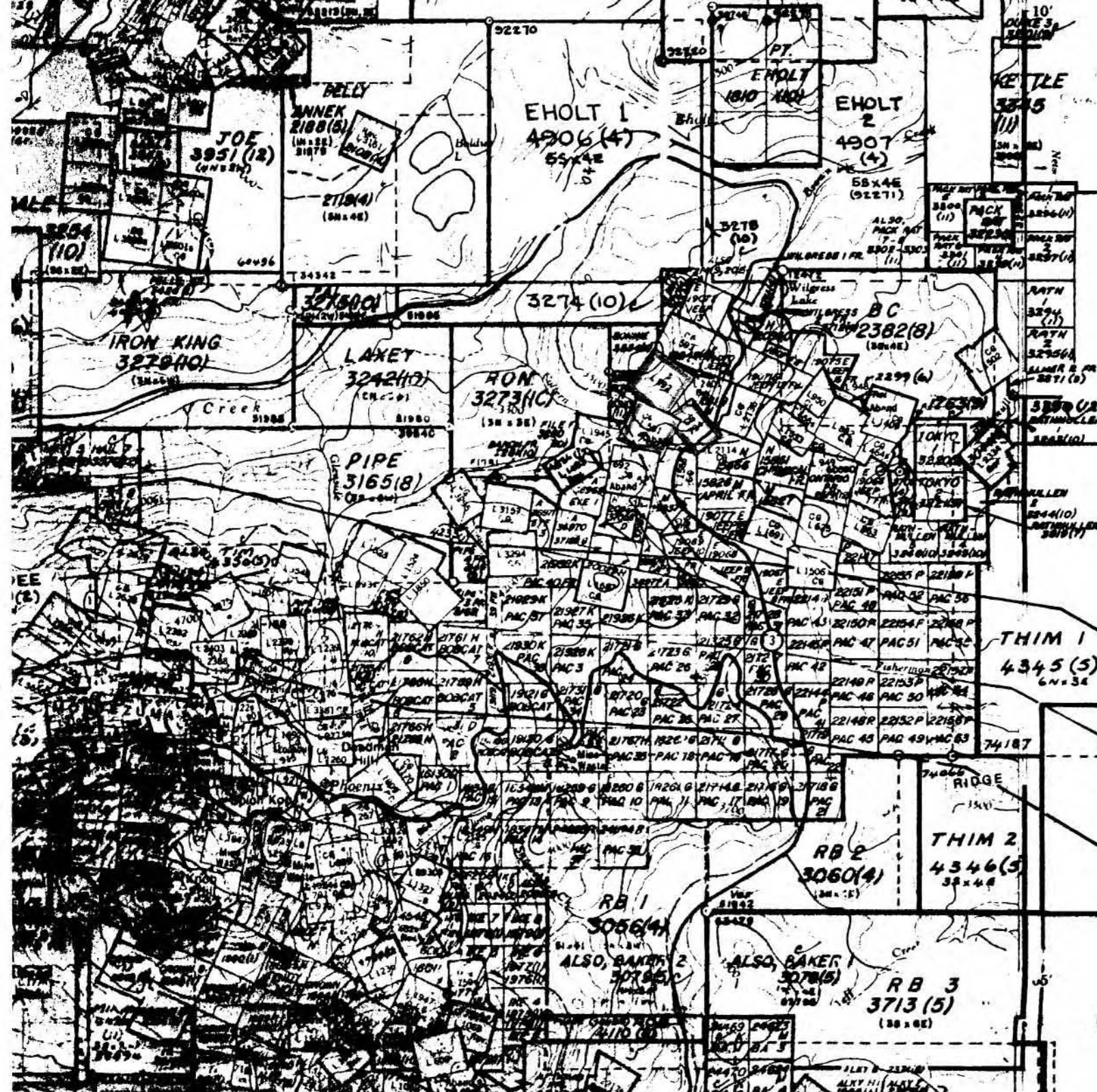
A summary of the drilling is shown in Table 1.

Core from each drillhole was transported to the Skylark Resources OB Mine in Greenwood where it was summarily logged, with intervals of interest subsequently split and one-half forwarded to Acme Analytical Laboratories Ltd. in Vancouver. Acme crushed, pulverized and geochemically analyzed each sample for the following:

1. ICP for Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K and W.
2. Au in ppb - geochemically
3. Ge in ppm; DDH 87-1 only
4. Pb-Zn assay; 1 sample only.

Analytical techniques utilized are described on the Acme Laboratory Geochemical Analysis Certificates which accompany this report in appendix # 2.

based on the locator's description and check. For further information, apply to the office of the Mining Division concerned.



1:50 000

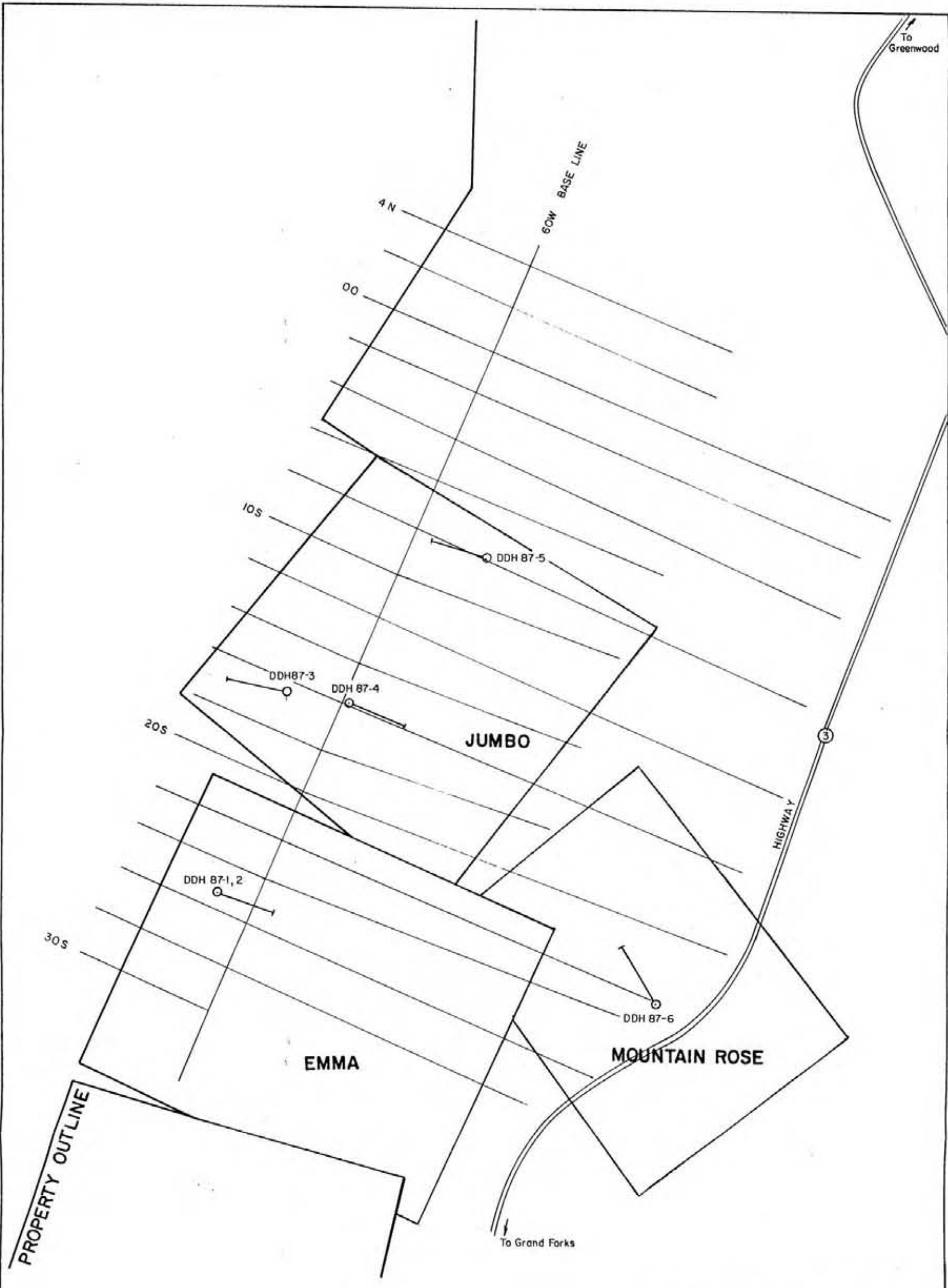


DATE OF MICROFILM: 1987-10-01

EAST HALF

CLAIM MAP
TL
M 82E/2

GREENWOOD MINING DIVISION



SKYLARK RESOURCES LTD.	
BLUEBELL OPTION	
DRILL HOLE PLAN	
N.T.S. 82E-2E	GREENWOOD M.D., B.C.
SCALE : 1:4800	DATE : FEB. 1988
DRAWN BY : P.B.	FIGURE NO. 2

TABLE 1
DIAMOND DRILL HOLE SUMMARY

<u>DDH</u>	<u>LOCATION</u>		<u>ELEVATION</u> (m. a.s.l.) (not surveyed)	<u>DIP</u>		<u>AZIMUTH</u>	<u>TOTAL LENGTH</u> (m)	<u>CASING</u> (m)	<u>CORE</u> Recovery (%)	<u>DATE DRILLED</u>	
	Latitude (not surveyed)	Departure (not surveyed)		Initial	Final					From	To
87-1	25+25S	65+50W	1064.02 (3490')	-45	-45	110	112.80	1.83	98	Nov. 14	Nov. 17
87-2	25+25S	63+51W	1064.02 (3490')	-72	-72	110	287.50	1.83	98	Nov. 17	Nov. 26
87-3	16+38S	60+12W	1115.85 (3660')	-45	-51	285	117.68	2.44	98	Nov. 26	Nov. 30
87-4	16+00S	59+08W	1112.80 (3650')	-45	-47	110	111.28	3.05	98	Nov. 30	Dec. 2
87-5	8+00S	56+84W	1150.91 (3775')	-45	---	290	108.54	4.88	98	Dec. 3	Dec. 5
87-6	22+00S	42+35W	1044.21 (3925')	-45	-44	330	135.06	2.44	98	Dec. 6	Dec. 9

The diamond drill logs with Cu-Zn-Ag-Au analytical results are located in Appendix # 3 of this report.

~~A drillhole location map can be found in the back pocket.~~ TK

All remaining core is labelled and stored in core racks on the Skylark/OB Mine property of Skylark Resources Ltd.

DRILL RESULTS

All 6 angle drillholes intersected mineralized zones, albeit with overall uneconomic interest at present, due to low grades, narrow widths and the discontinuous nature of the zones.

DDH 87-1 was drilled at -46 to test the strike extension potential to the north of past mining of the Emma deposit, which, as previously mentioned, produced 262,560 tons of "direct smelting flux ore" until 1921.

Numerous mineralized intervals were intersected in the drillhole including 4.25' of strongly disseminated and discontinuous veins and blebs of chalcopyrite which assayed 1.60% Cu, 27.7 g/t Ag and 350 ppb Au.

Germanium was also analyzed for in DDH 87-1 with anomalous values averaging from 8 to 13 ppm Ge. Subsequent rechecking of anomalous germanium values by Min-En Laboratories of North Vancouver returned analyses ranging from 1 ppm to 177 ppm Ge.

The high germanium value, 177 ppm (0.018%) Ge., was returned from DDH 87-1 over a 5 foot width from 217 to 222 ft. depth (Sample No. R9868).

In DDH 87-1, a 23 ft. interval from 207.25' to 230.25' returned 133 ppm (0.013%) Ge. from a check analysis at Min-En Laboratories Ltd. of Acme Analytical Laboratories Ltd. sample pulps.

A wide discrepancy between Acme versus Min-En results pertaining to germanium is being examined.

DDH 87-2 was drilled at the same location as DDH 87-1 but at a -72 dip to intersect the Emma structure approximately 110 feet below the bottom level of the mine (400 L) and on the interpreted plunge of the mineralized zone.

The hole was collared in a feldspar hornblende diorite cut by several dykes. Numerous narrow skarn zones were encountered below 768 feet with local chalcopyrite mineralization eg. 829.8' to 832', 841 to 844.5', 849.5' to 852', 855.4' to 856.8' and 903' to 906'.

Sample No. R9903, from a 3.2' skarn interval 852.25' to 855.42' returned 1.62% Cu, 39.9 ppm Ag. and 445 ppb Au. Numerous additional intervals assayed in Cu and Ag with anomalous Au values.

DDH 87-3 was located some 800 feet north of the first 2 drillholes and intersected a steeply dipping sequence comprising metavolcanics, limey argillites, volcanic and limestone breccias, massive limestone and chert pebble conglomerate, cut by mafic dykes. A silica matrix breccia was intersected from 32.8 to 33.8 feet and also assayed. Only sporadic mineralization was noted in the hole.

In DDH 87-4, the Jumbo skarn zone was tested along strike and returned copper values to 0.46% and 12.58% Zn with negligible silver values to 3.3 ppm and 146 ppb Au.

DDH 87-5 tested a multi-element soil geochemical anomaly along strike north of the Jumbo and Emma deposits and intersected numerous garnet-epidote skarn zones with molybdenum values to 0.71% Mo and anomalous copper-lead-zinc. Maximum silver and gold values were 13.5 ppm and 26 ppb, respectively.

The Mountain Rose mineralized zone was tested by DDH 87-6 targeted on a weak to moderate magnetic anomaly. Disseminated magnetite and weakly developed skarn zones were encountered in the hole with negligible results other than a 0.15% Cu value.

SUMMARY

The diamond drill program successfully explained the surface geochemical and geophysical anomalies obtained from previous surveys.

Mineralized extensions of the known zones on the Emma, Jumbo and Mountain Rose deposits were delineated although metal values, for the most part, proved discouraging.

CONCLUSIONS

While successfully testing previously established anomalous zones on the Emma, Jumbo and Mountain Rose deposits, no significant new Cu-Au-Ag mineralized areas were discovered as a result of the current drill program.

Germanium values obtained in DDH 87-1 are anomalous, but recoveries and markets are currently unknown. Germanium is normally recovered with a zinc concentrate, but the latter values are low and therefore germanium recovery may prove uneconomic. Additional sample pulp reruns combined with metallurgical testing for recovery, and market research, are recommended for the germanium values obtained.

However, the drill-tested areas are considered to offer minimal economic precious metals grade and tonnage potential for Skylark, particularly in view of the low precious metal values obtained from the six drillholes.

No further work is recommended by Skylark Resources Ltd. on this portion of the Bluebell option.

STATEMENT OF EXPENDITURES ON DRILLING

For The Period November 7 to December 12, 1987.

1.	CONTRACT PERSONNEL		
	Consulting Geologist 44.5 days @ \$200/day	\$	8,900.00
	Core Splitter, Assistant 24 days @ \$135/day		3,240.00
	TOTAL LABOUR COSTS	\$	<u>12,140.00</u>
2.	ACCOMODATION/MEALS		
	Costs for room and board, 68.5 man days @ \$50/man day	\$	<u>3,425.00</u>
3.	DIAMOND DRILLING (Min-Ex Drilling Ltd.)		
	2863 feet (873 m) drilled-invoiced costs including mobilization-demobilization (\$21.60/ft.)	\$	<u>61,843.42</u>
4.	SITE PREPARATION, D-7 CAT DOZER		
	6 sites-invoiced cost	\$	<u>2,610.00</u>
5.	ANALYTICAL COSTS (Acme Analytical & Min-En)		
	126 core samples preparation @ \$3.00/sample	\$	378.00
	126 core samples ICP @ \$6.00 each, ppb Au @ \$4.25 each		1,628.50
	30 core samples Ge @ \$4.00 each		120.00
	1 core sample Pb, Zn assay @		15.00
	126 core samples shipping charges (Greyhound)		100.00
	TOTAL ANALYTICAL CHARGES	\$	<u>2,241.50</u>
6.	RENTALS		
	Office in Greenwood 1 month	\$	200.00
	Vehicle 4X4 truck		3,630.00
	Pump & Generator		964.60
	Water Truck		3,360.00
	Water Tank		500.00
	TOTAL RENTAL CHARGES	\$	<u>8,654.60</u>

7. MISCELLANEOUS

Core Boxes & Shipping
Truck Fuel Costs

\$ 700.00
600.00

TOTAL \$ 1,300.00

8. REPORT PREPARATION

Writing & Compilation
Typing
Copying Services, Drafting

\$ 800.00
725.00
400.00

TOTAL \$ 1,925.00

BLUEBELL PROJECT - TOTAL DRILLING COST \$ 94,139.52


1-1985

QUALIFICATIONS

I, P.J. Burns, of 1522 Woods Drive, North Vancouver, in the province of British Columbia, hereby certify that:

- (1) I am a registered Fellow of the Geological Association of Canada - No. F5254.
- (2) I am a graduate of the University of British Columbia, Vancouver, with a Bachelor of Science degree in honours geology.
- (3) I have practiced my profession continually as mine, exploration and consultant geologist for the past 14 years across Canada, in the U.S.A., Nicaragua, Costa Rica, Chile, Peru, Argentina and Brazil.
- (4) I have no interest directly or indirectly in the Bluebell project, nor do I own, directly or indirectly, any shares of Kettle River Resources Ltd., Houston Metals Corp., or Skylark Resources Ltd.
- (5) The information contained in this report was compiled as a result of my examination of the property referred to above and supervision of the drill program conducted during the period November 7, 1987 to December 12, 1987, inclusive. All of the soil geochemical survey and a portion of the magnetometer survey were completed prior to my arrival on the property.

Vancouver, B.C.
March, 1988


Patrick J. Burns
Consulting Geologist

APPENDIX 1

LIST OF CLAIMS

CLAIM NAME	R. NBR.	TYPE	units	GR. NAME	M/D	NEW EXPIRY	
APRIL FR	15826M	L	1	BLUEBELL	84	GWD	09/17/88
B C	2382	L	12	BLUEBELL	84	GWD	08/13/90
B.C.		CG	1	BLUEBELL	84	GWD	
B.C. FR NO 2		CG	1	BLUEBELL	84	GWD	
BLUE BELL		CG	1	BLUEBELL	84	GWD	
BREYFOGLE FR	15819M	L	1	BLUEBELL	84	GWD	09/11/88
CHEMICAL FR	15861N	L	1	BLUEBELL	84	GWD	10/02/88
CLIMAX FR	3710	L	1	BLUEBELL	84	GWD	04/20/90
CORDICK		CG	1	BLUEBELL	84	GWD	
DAISY FR	2299	R	1	BLUEBELL	84	GWD	06/26/90
DENORO FR	16937M	L	1	BLUEBELL	84	GWD	09/16/88
DUPLICATE		CG	1	BLUEBELL	84	GWD	
ELMER NO 2	3044	R	1	BLUEBELL	84	GWD	04/05/90
ELMER NO 2 FR	3871	L	1	BLUEBELL	84	GWD	08/30/90
EMMA		CG	1	BLUEBELL	84	GWD	
ERWIN		CG	1	BLUEBELL	84	GWD	
JEEP #1 FR	19066E	L	1	BLUEBELL	84	GWD	05/16/90
JEEP #10 FR	19069E	L	1	BLUEBELL	84	GWD	05/16/90
JEEP #11 FR	19070E	L	1	BLUEBELL	84	GWD	05/16/90
JEEP #12 FR	19071E	L	1	BLUEBELL	84	GWD	05/16/90
JEEP #13 FR	19072E	L	1	BLUEBELL	84	GWD	05/16/90
JEEP #15	19074E	L	1	BLUEBELL	84	GWD	05/16/90
JEEP #16 FR	19075E	L	1	BLUEBELL	84	GWD	05/16/90
JEEP #18 FR	19077E	L	1	BLUEBELL	84	GWD	05/16/90
JEEP #8 FR	19067E	L	1	BLUEBELL	84	GWD	05/16/90
JEEP #9 FR	19068E	L	1	BLUEBELL	84	GWD	05/16/90
JOINER FR	15827M	L	1	BLUEBELL	84	GWD	09/17/88
JUMBO		CG	1	BLUEBELL	84	GWD	
JUMBO FR.	3045	R	1	BLUEBELL	84	GWD	04/05/90
LONDON NO 2 FR		CG	1	BLUEBELL	84	GWD	
MAB #2	21419	L	1	BLUEBELL	84	GWD	05/20/90
MAB #3	21420	L	1	BLUEBELL	84	GWD	05/20/90
MAB #4	27005	L	1	BLUEBELL	84	GWD	
MAB FR	20360	L	1	BLUEBELL	84	GWD	07/31/90
MARY B		CG	1	BLUEBELL	84	GWD	
MATABELLE FR		CG	1	BLUEBELL	84	GWD	
MAY		CG	1	BLUEBELL	84	GWD	
MAY	1409	CG	1	BLUEBELL	84	GWD	
MINNIE MOORE		CG	1	BLUEBELL	84	GWD	
MOUNTAIN ROSE		CG	1	BLUEBELL	84	GWD	
MOUNTAIN VIEW		CG	1	BLUEBELL	84	GWD	
NORTON FR		CG	1	BLUEBELL	84	GWD	
NOVELTY FR		CG	1	BLUEBELL	84	GWD	
ONTARIO FR	2519	L	1	BLUEBELL	84	GWD	12/01/92
ORO DENORO		CG	1	BLUEBELL	84	GWD	
R. BELL		CG	1	BLUEBELL	84	GWD	
RATHMULLEN 1	3243	L	1	BLUEBELL	84	GWD	10/07/88
RATHMULLEN 2	3244	L	1	BLUEBELL	84	GWD	10/07/88
RATHMULLEN 4	3245	L	1	BLUEBELL	84	GWD	10/07/88
RATHMULLEN 5	3246	L	1	BLUEBELL	84	GWD	10/07/88
RATHMULLEN FR	3819	L	1	BLUEBELL	84	GWD	07/16/90
REMINGTON FR	15866N	L	1	BLUEBELL	84	GWD	10/09/88
VASHTI		CG	1	BLUEBELL	84	GWD	
WAKE FR	3709	L	1	BLUEBELL	84	GWD	04/20/90
WILGRESS 1 FR	3711	L	1	BLUEBELL	84	GWD	04/20/90
WILGRESS 2 FR	3712	L	1	BLUEBELL	84	GWD	04/20/90

(GND-TOTAL)

67

APPENDIX 2

ASSAY RESULTS

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MM FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 SE BY AA.

- SAMPLE TYPE: Core AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: NOV 23 1987 DATE REPORT MAILED: Dec 3/87 ASSAYER *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

SKYLARK RESOURCES PROJECT-BLUE BELL File # 87-5818

SAMPLE#	MO	CU	PB	ZN	AS	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU1	GE
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
R 9851	1	26	13	45	.4	5	9	340	4.75	40	5	ND	2	51	1	2	2	71	1.63	.060	3	14	.95	32	.12	3	.97	.11	.08	2	118	1
R 9852	4	345	6	43	.7	6	7	348	2.47	4	5	ND	2	52	1	2	2	64	1.00	.068	4	12	.80	61	.16	4	1.32	.17	.31	1	25	3
R 9853	1	100	4	41	.4	5	6	444	2.52	5	5	ND	1	39	1	2	2	66	.77	.066	4	13	.89	73	.18	2	1.23	.14	.43	1	6	1
R 9854	3	222	19	42	.5	6	10	396	3.37	16	5	ND	2	55	1	2	2	67	1.43	.063	4	13	.88	35	.13	2	1.07	.11	.26	1	27	2
R 9855	10	284	9	32	.9	6	9	328	2.93	10	5	ND	2	64	1	2	2	80	1.52	.063	3	12	.94	49	.14	2	1.00	.10	.19	1	34	1
R 9856	3	421	9	37	.6	6	8	280	3.03	10	5	ND	2	54	1	2	2	75	1.04	.062	3	15	.94	37	.14	2	.98	.10	.15	1	25	1
R 9857	1	593	16	55	1.0	5	7	352	3.04	5	5	ND	2	58	1	2	2	66	1.62	.062	5	15	1.00	39	.11	11	1.19	.10	.17	1	38	1
R 9858	1	282	7	41	.5	6	8	439	3.13	4	5	ND	2	63	1	2	2	61	1.62	.061	4	16	.99	30	.12	3	1.17	.08	.12	1	15	1
R 9859	2	69	14	33	.7	5	7	460	2.97	9	5	ND	1	172	1	2	2	32	4.28	.055	7	9	.62	18	.04	3	.81	.04	.14	1	7	1
R 9860	2	681	8	41	1.0	6	6	389	3.19	4	5	ND	2	77	1	2	2	79	2.32	.060	4	21	1.09	47	.14	3	1.33	.11	.25	3	78	1
R 9861	1	4120	7	66	5.8	8	8	310	3.24	5	5	ND	1	55	1	2	2	83	1.04	.059	2	28	1.26	76	.16	3	1.41	.13	.38	1	197	3
R 9862	11	2325	9	63	2.3	27	14	692	14.00	25	5	ND	2	146	1	4	2	55	3.98	.071	7	39	1.01	43	.11	2	.99	.06	.01	16	65	12
R 9863	18	1141	5	24	1.6	5	2	2249	9.00	81	5	ND	1	24	1	2	2	20	13.95	.043	3	22	.10	4	.07	2	1.10	.01	.01	23	33	11
R 9864	58	110	6	59	.6	10	7	1493	4.09	65	5	ND	1	184	1	9	2	28	8.91	.052	5	11	1.43	30	.12	5	1.50	.02	.01	8	10	8
R 9865	4	1369	4	38	2.1	6	3	2774	8.50	91	5	ND	1	25	1	2	2	16	12.14	.030	3	13	.26	3	.06	3	.94	.01	.01	43	45	4
R 9866	5	2727	10	51	3.7	8	6	2626	9.00	120	5	ND	1	33	1	2	2	19	12.59	.050	3	29	.27	3	.06	4	.91	.01	.01	24	92	13
R 9867	14	448	6	26	1.0	5	3	3062	8.95	50	5	ND	1	80	1	2	2	18	14.49	.058	3	15	.34	3	.06	2	1.01	.01	.01	21	15	11
R 9868	6	1334	6	43	2.3	12	3	2256	9.01	115	5	ND	1	25	1	2	2	20	14.07	.122	2	15	.18	3	.06	2	.93	.01	.01	21	36	11
R 9869	5	15950	10	450	27.7	35	23	2038	10.12	163	5	ND	1	25	5	2	2	29	12.11	.070	2	25	.24	3	.08	2	.99	.01	.01	14	350	10
R 9870	2	3207	13	134	7.2	25	11	1345	27.31	73	6	ND	3	45	2	2	2	37	7.19	.090	2	22	.40	3	.05	2	.73	.01	.01	5	57	3
R 9871	13	1140	8	55	1.8	13	6	796	2.11	12	5	ND	1	82	1	2	2	36	4.47	.048	2	15	.51	38	.10	4	1.69	.06	.01	1	55	1
R 9872	4	3725	7	154	4.5	25	14	1262	9.29	30	8	ND	2	53	2	4	2	45	4.75	.046	5	26	.48	4	.11	2	1.02	.02	.01	1	192	12
R 9873	506	8336	62	580	17.7	21	21	1122	3.57	69	5	2	1	135	6	2	2	31	10.65	.047	4	19	1.11	3	.09	4	1.17	.01	.01	1	370	5
R 9874	19	38	16	157	.7	4	2	482	1.43	20	5	ND	1	331	1	2	5	16	32.48	.034	2	7	.37	14	.02	2	.23	.01	.01	1	15	2
R 9875	4	4038	21	5356	3.9	11	77	1185	37.51	56	5	ND	4	60	18	2	2	26	3.39	.040	2	14	.56	8	.03	2	.57	.03	.01	1	390	1
R 9876	9	440	4	311	1.2	2	6	785	.95	12	5	ND	1	281	2	2	4	9	33.64	.027	2	5	.19	7	.02	2	.20	.01	.01	1	55	12
R 9877	2	141	22	91	.6	4	15	701	33.14	55	5	ND	3	35	1	2	2	14	3.96	.024	2	5	.19	9	.02	2	.28	.02	.01	5	35	7
R 9878	17	995	1048	9959	5.4	9	41	1628	5.86	185	7	ND	1	227	72	4	6	25	20.00	.076	3	27	.64	11	.04	2	1.04	.01	.02	1	186	1
R 9879	3	58	13	86	1.1	69	13	666	3.95	11	5	ND	9	231	1	3	2	93	4.07	.186	39	149	2.25	41	.24	3	1.73	.06	.08	1	7	1
R 9880	6	86	31	178	.8	30	14	698	5.01	36	5	ND	3	144	1	3	2	176	3.40	.084	8	37	3.18	48	.14	2	3.24	.21	.06	1	18	1
STD C/AU-R	19	58	37	132	7.5	68	28	1059	4.08	42	20	7	39	50	18	17	20	58	.48	.088	38	59	.86	191	.08	31	1.90	.09	.15	13	490	-

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: Core AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: DEC 3 1987

DATE REPORT MAILED: Dec 7 1987

ASSAYER: D. J. DEAN TOYE, CERTIFIED B.C. ASSAYER

SKYLARK OB MINE

File # 87-6008

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
R 9881	1	1311	14	56	1.7	5	10	489	2.54	4	5	ND	1	58	1	2	2	62	2.04	.041	2	7	.78	33	.10	4	.95	.08	.12	1	245
R 9882	1	1054	19	60	2.4	3	5	528	2.55	2	5	ND	1	61	1	2	2	78	2.00	.046	2	7	.92	30	.12	2	1.10	.08	.10	1	112
R 9883	1	135	4	25	.1	6	8	309	3.27	2	5	ND	1	532	1	2	3	55	.99	.056	3	15	.94	80	.13	2	1.55	.08	.23	2	9
R 9884	1	68	6	32	.1	7	10	296	2.49	10	5	ND	1	84	1	2	2	77	2.40	.055	3	19	.95	30	.16	2	.97	.09	.08	1	2
R 9885	2	1107	11	49	.7	5	21	339	4.16	20	5	ND	1	96	1	2	2	79	2.13	.053	3	9	1.11	38	.15	2	1.55	.13	.11	2	98
R 9886	2	95	3	43	.1	4	10	639	3.16	9	5	ND	1	154	1	4	4	73	2.28	.056	4	16	1.05	31	.16	2	1.19	.08	.07	1	3
R 9887	1	45	8	49	.1	4	10	529	3.66	9	5	ND	1	86	1	2	2	84	1.72	.053	4	15	.99	39	.18	5	1.25	.13	.10	1	2
R 9888	95	5144	11	176	5.9	18	30	675	2.95	17	5	ND	1	60	1	2	2	36	2.12	.054	3	12	.50	24	.11	6	.91	.07	.05	1	250
R 9889	20	1992	10	73	2.1	7	10	1841	3.83	29	5	ND	1	95	1	2	2	52	8.80	.057	5	17	.47	6	.12	3	2.18	.10	.02	1	82
R 9890	16	747	5	51	1.3	4	15	1166	3.01	31	5	ND	1	122	1	2	2	45	6.48	.054	5	1	.64	18	.18	4	1.67	.12	.04	1	17
R 9891	3	176	8	37	.1	8	15	239	2.63	12	5	ND	1	59	1	2	2	35	2.04	.057	5	3	.65	25	.16	5	1.44	.14	.07	2	1
R 9892	8	94	8	67	.1	9	13	203	2.97	12	5	ND	1	73	1	2	4	40	1.82	.066	6	1	.85	24	.22	5	1.18	.18	.05	1	1
R 9893	12	437	20	195	.9	39	28	662	4.00	33	5	ND	1	203	2	2	3	136	5.07	.066	5	49	1.94	25	.27	4	2.50	.20	.06	1	3
R 9894	6	31	5	69	.1	6	5	1545	5.44	43	7	ND	2	44	1	2	3	55	11.82	.073	3	14	.44	3	.09	4	1.57	.02	.01	1	1
R 9895	15	112	26	139	.4	17	6	1426	4.54	29	8	ND	2	76	1	2	5	115	10.18	.069	3	20	.70	16	.14	2	1.50	.03	.03	1	4
R 9896	60	370	16	199	.8	39	15	1110	2.99	60	5	ND	2	103	1	2	4	100	7.98	.139	9	26	1.14	13	.15	13	1.25	.04	.03	1	3
R 9897	2	3399	7	55	6.8	29	9	2028	6.89	101	6	ND	2	67	1	2	30	65	14.08	.191	8	23	.57	4	.08	2	1.61	.01	.01	4	205
R 9898	40	1683	10	184	3.0	42	19	1418	3.37	25	5	ND	2	164	1	2	6	96	8.99	.090	7	38	1.84	15	.17	2	1.90	.06	.04	1	61
R 9899	51	420	21	286	.9	32	19	736	2.47	33	5	ND	2	102	2	2	2	68	3.68	.072	8	34	1.06	37	.23	2	1.18	.09	.08	1	2
R 9900	17	62	10	97	.1	10	7	1524	2.45	17	5	ND	1	59	1	2	2	52	7.43	.067	3	13	.80	17	.13	2	1.40	.02	.03	1	1
R 9901	7	107	18	165	.2	44	19	628	4.15	36	5	ND	2	56	1	2	4	121	2.42	.055	6	52	1.99	147	.24	6	1.79	.12	.49	1	5
R 9902	5	1863	19	143	2.4	27	23	417	3.77	56	5	ND	1	146	1	2	5	97	2.51	.057	7	19	2.13	134	.27	4	3.25	.33	.42	1	15
R 9903	24	16158	4	46	39.9	168	94	1963	7.03	206	5	ND	2	67	1	2	34	72	14.52	.134	6	22	.60	6	.10	3	1.46	.01	.01	5	445
R 9904	6	1138	10	402	1.0	3	7	569	.78	21	5	ND	2	185	2	2	3	15	26.14	.092	9	3	.15	2	.07	23	.53	.01	.01	1	20
R 9905	2	112	8	84	.1	5	3	439	.98	21	5	ND	2	445	1	2	12	16	32.02	.055	3	1	.58	22	.06	5	.55	.01	.17	1	11
R 9906	2	20	3	11	.1	1	1	247	.49	3	5	ND	1	553	1	2	9	5	34.71	.041	2	1	.08	9	.02	2	.14	.01	.02	1	4
R 9907	7	40	2	104	.1	1	2	366	.44	19	5	ND	1	322	1	2	6	1	36.37	.014	2	1	.06	2	.01	5	.04	.01	.01	1	6
R 9908	5	8	2	29	.1	1	1	206	.21	2	5	ND	1	318	1	3	9	2	37.49	.015	2	1	.03	2	.01	3196	.03	.01	.01	1	11
R 9909	3	311	3	158	1.2	4	7	1398	2.89	52	5	ND	2	214	1	2	5	37	26.11	.153	5	15	.43	2	.10	12	1.01	.01	.03	6	39
R 9910	2	4738	6	22	15.4	24	17	2271	6.51	83	5	ND	3	67	1	2	22	52	17.88	.097	6	17	.29	3	.12	14	1.70	.01	.01	7	156
R 9911	5	109	12	254	.2	4	5	1322	2.79	48	5	ND	2	337	1	2	4	25	27.44	.058	5	7	.55	5	.07	9	.84	.01	.01	12	28
R 9912	244	297	6	62	.8	42	12	900	3.32	19	5	ND	2	129	1	2	5	113	6.54	.101	7	56	1.18	49	.21	4	1.85	.13	.09	1	15
R 9913	1	71	15	91	.3	21	21	812	5.81	13	5	ND	2	273	1	2	2	157	5.86	.065	5	37	3.85	117	.33	5	3.47	.15	.28	1	13
R 9914	12	45	5	41	.1	23	8	340	2.96	25	5	ND	2	197	1	2	4	33	4.77	.045	8	20	1.09	37	.01	2	.54	.02	.13	1	11
R 9915	2	18	6	24	.1	9	4	282	1.16	3	5	ND	1	77	1	2	2	13	2.26	.019	7	15	.51	13	.01	2	.45	.01	.08	1	9
R 9916	2	89	11	32	.4	24	22	230	3.30	17	5	ND	1	295	1	2	2	57	3.27	.054	3	19	1.37	107	.15	2	2.05	.32	.08	1	25
STD C/AU-R	19	60	44	133	7.4	68	30	1041	4.18	37	14	8	39	52	19	18	21	58	.47	.081	40	61	.90	186	.09	31	1.90	.06	.13	12	500

GEOCHEMICAL/ASSAY CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO₃-H₂O AT 95 DEC.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core

DATE RECEIVED: DEC 4 1987

DATE REPORT MAILED: Dec 9/87

ASSAYER: D. Deane TOYE, CERTIFIED B.C. ASSAYER

SKYLARK OB MINE PROJECT-BLUEBELL File # 87-6031

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU1	PB	ZN	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
R 9917	2	218	7	53	.2	10	19	941	2.96	44	5	ND	1	313	1	2	2	56	6.80	.078	12	14	.81	54	.13	3	1.93	.17	.04	1	52	-	-	
R 9918	1	161	7	28	.2	15	26	277	2.22	53	5	ND	1	984	1	2	2	45	5.33	.069	4	17	.88	187	.16	5	4.69	.68	.11	1	5	-	-	
R 9919	2	117	6	120	.3	24	20	1804	6.92	146	5	ND	1	311	1	2	3	101	12.40	.056	4	65	1.51	91	.10	5	2.30	.05	.02	1	27	-	-	
R 9920	5	75	5	50	.1	47	13	541	4.05	40	5	ND	1	204	1	2	2	134	4.91	.061	10	73	1.82	89	.20	3	1.56	.05	.04	1	2	-	-	
R 9921	5	70	9	69	.2	44	17	342	4.49	28	5	ND	1	135	1	2	2	136	2.56	.063	7	63	2.17	97	.24	3	2.19	.13	.31	1	1	-	-	
R 9922	19	88	2	342	.3	94	14	679	3.81	57	5	ND	2	130	3	2	2	350	5.06	.058	9	68	1.11	20	.15	2	1.31	.06	.04	1	1	-	-	
R 9923	1	46	5	74	.1	12	9	809	2.85	42	5	ND	1	314	1	2	2	47	10.97	.079	7	13	1.45	12	.15	5	2.29	.10	.02	1	1	-	-	
R 9924	1	20	2	34	.1	12	2	198	.74	6	5	ND	1	99	1	2	2	21	9.73	.035	4	18	.22	14	.09	10	.50	.02	.02	1	2	-	-	
R 9925	1	51	4	68	.1	9	15	618	4.04	31	5	ND	1	154	1	2	2	96	4.60	.087	7	18	1.15	40	.19	2	1.54	.14	.08	1	4	-	-	
R 9926	2	45	2	84	.1	9	13	407	4.59	20	5	ND	1	124	1	2	2	87	1.70	.084	5	14	1.94	67	.29	6	2.45	.21	.23	1	2	-	-	
R 9927	1	43	2	70	.1	6	12	301	3.45	11	5	ND	1	150	1	2	2	62	1.94	.100	5	12	1.15	87	.27	2	2.22	.26	.15	1	1	-	-	
R 9928	1	46	6	80	.4	7	14	469	4.32	23	5	ND	1	194	1	2	2	80	3.35	.088	5	11	1.59	70	.21	5	2.41	.26	.11	1	1	-	-	
R 9929	148	1232	25	7652	3.3	18	26	2189	2.62	94	5	ND	1	261	33	3	7	62	13.95	.076	9	21	.92	108	.14	9	1.66	.06	.03	1	1	-	-	
R 9930	276	713	5	10558	.7	26	35	3342	3.67	64	5	ND	1	310	42	2	2	76	12.76	.114	9	27	.56	109	.06	5	1.39	.01	.16	1	20	-	-	
R 9931	31	565	4	526	.6	15	81	3007	7.92	156	5	ND	1	175	2	2	3	71	14.92	.056	5	28	.72	33	.07	4	1.54	.01	.03	6	11	-	-	
R 9932	13	1536	10	618	1.9	17	146	2526	7.09	224	5	ND	1	108	3	2	2	68	13.57	.066	4	22	.69	6	.09	7	1.44	.01	.01	10	4	-	-	
R 9933	17	266	9	2747	.7	46	18	1728	2.46	22	5	ND	1	193	8	2	2	128	9.71	.076	10	53	.95	22	.13	2	1.26	.02	.05	1	6	-	-	
R 9934	40	560	11	91370	2.9	34	81	2668	8.19	85	5	ND	1	41	458	2	4	67	11.02	.081	3	24	.32	1	.10	5	1.32	.01	.01	3	8	.01	12.58	
R 9935	29	235	7	30862	1.9	16	34	2969	6.93	69	5	ND	1	100	101	2	2	86	13.26	.076	4	28	.65	12	.09	7	1.60	.01	.01	2	18	-	-	
R 9936	21	457	2	822	.8	7	8	2420	2.28	32	5	ND	1	151	4	2	2	59	9.02	.098	12	14	.89	22	.30	4	1.87	.06	.05	4	3	-	-	
R 9937	35	254	4	1997	.6	21	14	770	2.69	88	5	ND	1	155	11	3	2	47	6.33	.064	14	14	.11	28	.17	21	1.07	.10	.05	2	1	-	-	
R 9938	55	67	10	167	.1	23	7	327	1.80	86	5	ND	1	296	2	8	2	50	14.46	.063	15	13	.21	45	.15	116	1.00	.04	.07	2	4	-	-	
R 9939	26	4060	8	258	2.6	10	45	1918	5.73	189	5	ND	1	177	1	2	2	56	13.64	.070	5	13	.30	147	.09	15	1.20	.04	.07	5	82	-	-	
R 9940	268	4644	15	2015	3.2	17	7	2286	5.79	151	5	ND	1	160	8	8	4	74	13.21	.079	5	21	.53	85	.10	6	1.17	.01	.03	6	146	-	-	
R 9941	54	153	10	211	.3	13	11	651	2.42	101	5	ND	1	468	2	2	4	73	14.48	.057	11	15	.75	109	.11	12	1.84	.15	.10	1	10	-	-	
R 9942	19	90	4	6821	.3	28	8	1511	2.61	54	5	ND	1	431	30	2	2	111	16.10	.065	8	40	1.08	31	.14	2	1.17	.02	.01	1	5	-	-	
R 9943	30	101	9	6872	.4	25	6	1145	2.24	52	5	ND	1	125	33	2	2	59	8.75	.070	9	18	.11	24	.12	4	.94	.03	.01	1	4	-	-	
R 9944	66	141	14	643	.5	21	5	636	1.42	60	5	ND	1	575	5	5	2	68	20.02	.055	11	25	.50	37	.11	40	.81	.02	.03	1	1	-	-	
R 9945	69	162	16	529	.5	21	7	634	1.74	75	5	ND	1	523	4	6	2	82	17.62	.063	12	24	.84	32	.12	56	1.00	.03	.05	1	1	-	-	
R 9946	14	50	12	124	.7	19	8	302	1.77	52	5	ND	1	653	3	6	2	39	18.37	.058	12	8	.13	57	.12	11	.54	.03	.03	1	1	-	-	
STD C/AU-R	19	61	40	131	7.3	67	29	1042	4.02	42	18	8	38	53	19	17	21	58	.49	.081	40	61	.91	178	.08	36	1.93	.06	.13	11	510	-	-	

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: Core AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: DEC 9 1987 DATE REPORT MAILED: Dec 11/87 ASSAYER: *D. Jeyaraj* DEAN TOYE, CERTIFIED B.C. ASSAYER

SKYLARK OB MINE PROJECT-BLUEBELL File # 87-6079

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU1
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	I	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	I	I	PPM	PPM	I	PPM	I	PPM	I	I	I	PPM	PPB
R 9947	1	85	6	197	.1	7	17	627	3.92	53	5	ND	2	229	1	2	2	61	3.48	.073	3	12	1.54	47	.18	5	1.22	.09	.03	1	1
R 9948	1	81	16	85	.2	13	18	853	4.53	67	5	ND	5	149	1	2	2	77	3.68	.068	5	20	1.34	18	.18	3	1.20	.05	.05	1	1
R 9949	1	180	9	144	.6	9	48	2099	3.95	67	5	ND	4	181	1	5	2	58	10.16	.050	2	14	1.01	6	.12	5	1.37	.01	.01	1	2
R 9950	1	293	14	54	.6	6	6	1073	2.14	13	5	ND	2	57	1	2	2	40	6.22	.055	2	10	.45	3	.15	2	.79	.03	.01	4	1
R 9974	12	789	23	731	2.0	6	7	1436	1.13	8	5	ND	3	100	3	2	2	33	7.84	.047	2	11	.64	14	.15	3	1.32	.07	.03	1	2
R 9975	9	1021	24	1091	1.0	6	6	1477	1.08	4	5	ND	1	132	5	2	2	33	5.47	.056	2	10	.64	16	.18	2	.83	.06	.02	1	2
R 9976	18	790	17	1984	.7	6	8	1705	1.39	4	5	ND	2	183	8	3	2	40	7.21	.052	2	11	.74	14	.16	11	1.14	.07	.02	1	5
R 9977	50	723	16	1752	1.1	5	6	1634	1.19	2	5	ND	2	130	7	2	2	37	6.21	.056	2	9	.67	11	.16	5	1.00	.06	.01	1	2
R 9978	94	1385	27	796	3.5	8	10	2306	2.09	13	5	ND	5	135	4	4	2	41	6.81	.060	2	12	.89	20	.15	12	1.29	.05	.03	1	9
R 9979	509	1345	97	166	13.5	9	11	2322	2.69	12	5	ND	6	136	1	3	138	30	6.62	.045	2	9	.59	7	.11	2	1.30	.03	.01	1	23
R 9980	1249	446	42	165	3.0	7	10	2593	2.81	11	5	ND	5	144	1	5	18	34	9.57	.048	2	10	.92	4	.10	2	1.46	.01	.01	1	4
R 9981	222	1151	34	165	3.2	10	13	2280	2.37	10	5	ND	5	162	1	5	4	36	6.94	.053	3	12	1.16	19	.17	5	1.46	.05	.02	1	6
R 9982	218	587	42	188	2.1	11	18	1967	2.19	17	5	ND	4	208	1	6	18	32	8.35	.057	2	16	.96	12	.18	2	1.12	.01	.01	1	2
R 9983	123	346	12	69	.6	5	9	1937	2.34	15	5	ND	4	157	1	4	2	40	8.18	.067	2	13	.74	19	.18	3	1.30	.02	.03	1	1
R 9984	215	647	46	213	1.6	11	24	2543	3.03	30	5	ND	2	257	1	2	2	45	10.99	.043	2	17	1.54	22	.12	5	1.60	.03	.02	1	3
R 9985	7125	1112	147	236	9.7	14	42	1966	2.46	22	5	ND	3	301	2	12	40	23	17.13	.055	2	24	.92	21	.14	2	1.10	.01	.01	10	26
R 9986	105	396	154	215	3.2	8	14	2653	3.51	21	5	ND	3	145	1	2	9	41	13.31	.054	2	13	.65	4	.13	2	1.65	.01	.01	1	2
R 9987	475	441	15	153	2.1	10	10	2374	2.63	13	5	ND	4	157	1	4	2	39	9.34	.044	2	13	1.03	13	.14	2	1.49	.01	.02	3	1
R 9988	44	171	9	113	1.0	10	9	2451	3.15	17	5	ND	6	165	1	2	7	36	11.53	.056	2	11	1.10	4	.12	3	1.80	.01	.01	1	1
STD C/AU-R	19	61	42	132	7.3	67	29	1074	4.10	41	21	8	36	51	18	18	20	56	.45	.089	39	61	.92	179	.09	31	1.88	.06	.13	11	505

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PHONE (604) 253-3158 FAX (604) 253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 MCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR KM FE CA P LA CR NG BA TI B W AND LIMITED FOR NA X AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: Core AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: DEC 15 1987

DATE REPORT MAILED: Dec 17/87

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

SKYLARK RESOURCES PROJECT-BLUEBELL File # 87-6183

SAMPLE#	MG	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MS	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
R 9989	2	15	10	46	.1	20	10	570	3.70	17	5	ND	1	80	1	4	2	53	1.36	.070	2	11	.95	46	.17	4	1.65	.15	.19	2	1
R 9990	5	31	13	104	.1	20	19	1047	3.51	24	5	ND	1	65	1	2	2	50	1.36	.070	2	12	.95	73	.16	2	1.40	.10	.25	1	1
R 9991	1	34	2	41	.1	19	20	456	3.17	5	5	ND	1	79	1	2	2	39	1.35	.070	2	23	.81	30	.15	3	1.27	.14	.13	1	3
R 9992	1	16	18	62	.3	18	17	657	3.48	<u>120</u>	5	ND	1	96	1	3	4	43	3.95	.068	3	10	.99	13	.15	3	1.87	.05	.11	2	1
R 9993	3	45	5	43	.1	18	12	574	3.09	19	5	ND	1	123	1	3	2	50	3.50	.065	2	48	.89	11	.11	2	1.49	.17	.06	2	1
R 9994	1	14	2	27	.1	44	17	396	3.18	11	5	ND	1	137	1	2	2	43	2.28	.070	2	21	.89	29	.14	8	1.95	.31	.05	1	1
R 9995	4	27	7	41	.1	16	8	1046	2.53	55	5	ND	1	66	1	4	2	33	5.74	.079	2	25	.56	3	.06	30	1.13	.02	.01	2	4
R 9996	2	25	2	35	.1	75	9	610	3.33	41	5	ND	1	127	1	2	4	74	3.15	.057	3	41	1.40	46	.16	2	1.76	.12	.11	1	1
R 9997	16	<u>1553</u>	5	57	.4	26	5	870	1.68	35	5	ND	2	75	1	5	<u>11</u>	31	<u>8.10</u>	.061	3	27	.18	8	.12	6	.97	<u>.01</u>	<u>.01</u>	1	1
R 9998	3	109	14	126	.1	9	7	738	1.03	19	5	ND	1	231	1	4	2	14	<u>16.95</u>	.077	3	21	.40	8	.07	7	.67	<u>.01</u>	<u>.01</u>	1	1
R 9999	24	88	7	28	.2	4	4	924	1.01	42	5	ND	2	142	1	3	2	25	4.68	.089	4	12	.43	19	.09	4	1.46	.08	.03	3	1
STD C/AU-R	20	63	40	134	7.7	70	31	1102	4.26	43	19	8	39	49	20	18	24	61	.47	.069	37	63	.89	183	.06	36	1.86	.06	.14	14	480

MIN-EN LABORATORIES LTD.

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705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX: VIA USA 7601067 UC

Certificate of GEOCHEM

Company: SKYLARK RESOURCES

File: 8-4/P1

Project:

Date: JAN 14/88

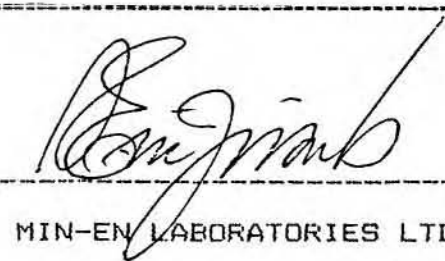
Attention: H. SHEAR

Type: PULP GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	GE PPM
R 9862	18
R 9863	115
R 9864	76
R 9865	128
R 9866	98
R 9867	140
R 9868	177
R 9869	131
R 9872	44
R 9876	1

Certified by



MIN-EN LABORATORIES LTD.

APPENDIX 3

DIAMOND DRILL LOGS

DRILL LOG ABBREVIATIONS

abund - abundant
altn - alteration
approx - approximately
assoc - associated
avg - average

bi - biotite
bn - bornite
bx - breccia

c, carb - carbonate
c.a. - core axis
chl - chlorite
cp - chalcopyrite
cs - coarse

devt - developed
diam - diameter
diss - disseminated

ep - epidote

f - fine
fhd - feldspar hornblende diorite
fg, f.gr. - fine grained
fp - feldspar porphyry
fspar - feldspar

gdrt - granodiorite

hb - hornblende

kspar - potassium feldspar

ls - limestone

mag - magnetite
med - medium
minl - mineral
mod - moderately

occas - occasional
orig - original

pbs - galena
pheno's - phenocrysts
plag - plagioclase
poss - possible
pred - predominantly
py - pyrite
pyrr - pyrrhotite

Q - quartz

sed - sedimentary
sfc - surface
silicif - quartz, silicification

tet - tetrahedrite
tr - trace

v - very
vnlt, vnlt's - veinlet(s)
vol - volume
vs - versus
vx - volcanics
xtaline - crystalline

w - with

zns, zn - sphalerite

// - percent
% - percent
ϕ - porphyry

DIAMOND DRILL HOLE RECORD

Property Emma

Level	Lat.	Hole No. 87-1	Dip Tests
Location	Dep.	Sheet No. 2 of 4	
Date Started	Elev.	Core Size	
Date Finished	Bearing	Logged by P.J. Burns	
Depth	Slope		

	FOOTAGE		DESCRIPTIONS	CORE ASSAYS						ppm		ppb	RECOVERY		
	FROM	TO		No.	FROM	TO	FEET	%	%	Cu	Zn	Ag	Au	RUN	SHORT
Recovery			64'10" tr. cp. w. py. in 1/32" microveinlet. 30° c.a. Also tr. cp. @ 71'6", 74'-75' 80'0" 1/8" quartz veinlet w. tr. diss. py. and mag. Tr. hematite in veinlets, fracture coats @ 82'.	9852	64'	66'	2'			345	43	0.7	25		
			Tr. Py.-Cp. " " - pyrrhotite (slightly mag.)	9854	83'	86'	3'			222	42	0.5	27		
			92'to 94' strongly silicified, bleached w. quartz (-carbonate). Local vein mineralization Py. ± Cp ± Pyrrhotite eg. 95'6", 98'5"	9855	87'10"	90'8"	2'10"			284	32	0.9	34		
			101' py.-mag. in 1/2" wide vein @ 40° c.a. sporadic, w. quartz-chl.	9856	100'9"	102'3"	1'6"			421	37	0.6	25		
			110'-120' alt'd. silicified zone w. abund. vein py., py matrix narrow 1"-2" bx. zones ± tr. cp. - pyrrhotite. Tr. possible tourmaline @ 112'6"	9857	110	115	5'			593	55	1.0	38		
			124'-133' same as 110'-120'. But w,mod. abund. carb. veins and stringers 146'6" abundant ep.	9858	115	120	5'			282	41	0.5	15		
			124'-133' same as 110'-120'. But w,mod. abund. carb. veins and stringers 146'6" abundant ep.	9859	124	127	3'			69	33	0.7	7		
			170'11" to 172'10" alt'd zone quartz-carb. w. local py-cp ± pyrrhotite	9860	170'11"	172'10"	1'11"			681	41	1.0	78		
			174'-203'9" Stringer Zone Mineralization 1/32" to 1/4" magnetite-py-cp. veinlets, veins ± pyrrhotite @ 40° to 60° to c.a. avg. density 4/ft. but stronger ie. up to 14/ft. between 180' to 185';veins contain quartz ± carb ± ep.	9861	180	185	5'			4120	66	5.8	197		
(± 50%)			Caved zone 185 - 185'9" blocky, ground core. 185' -Alt'n intensity increases. Rock a pale light grey colour. Fspar pheno's locally partially obliterated ± ep.-chl. alt'd. Diss. py. intensity increases as does magnetite particularly below 200', along w, increasing ep.	9862	200	203'7"	3'7"			2325	63	2.3	65		

DIAMOND DRILL HOLE RECORD

Property Emma

Level	Lot.	Hole No. Emma 87-1	Dip Tests
Location	Dep.	Sheet No. 3 of 4	
Date Started	Elev.	Core Size NQ	
Date Finished	Bearing	Logged by P.J. Burns	
Depth	Slope		

	FOOTAGE		DESCRIPTIONS	CORE ASSAYS				ppm			ppb		RECOVERY	
	FROM	TO		No.	FROM	TO	FEET	%	%	Cu	Zn	Ag	Au	RUN
98%	203.6	206.1	Skarn Zone Pale salmon pink due to abund. garnet; also quartz locally tr. to 1% diss. cp. ± py.	9863	203'7"	206'1"2'6"			1141	24	1.6	33		
98%	206.1	207.3	Epidote (quartz) Matrix Breccia Upper, lower contacts @ 15° and 40°, respectively. Alt'd grey-black clasts to 4" diam.	9864	206'1"	207'3"1'2"			110	59	0.6	10		
98%	207.3	233.8	Skarn Zone Same as 203.6' to 206.1' 226'1" to 230'3" Strong cp. zone as diss., "blebs" and "pseudo"-vein zones. With massive to xtaline magnetite.	9865	207'3"	212' 4'9"			1369	38	2.1	45		
			9866: 3% cp. overall	9866	212'	217' 5'			2727	51	3.7	92		
			230'3" to 232'10" 40% massive magnetite w tr. to 1% diss. cp.	9867	217'	222' 5'			448	26	1.0	15		
				9868	222'	226' 4'			1334	43	2.3	36		
				9869	226'	230'3"4'3"			15950	450	27.7	350		
97%	233.8	239'	(Silicified) med. to dark grey volcanic? F-med. grained; chlorite alt'd; local minor sulphides pred. py. ± pyrr. w minor narrow barren skarn zones w ep.	9870	230'3"	232'10"2'7"			3207	134	7.2	57		
98%	239'	249.2	Skarn Zone Same as 203.6' to 206.1' and 207.3' to 233.8' Tr. diss. cp. 243' to 249'5" 10% to 15% magnetite w tr. to 2% diss. cp. abund. py. Note: Banded Magnetite 50°-60° to c.a. 249'3" cp. and soft grey sulphide grains; Poss. pbs? tet? argentite? 247'-248' Carb.Matrix Vuggy Breccia. Epidotized clasts.	9871	239'	243' 4'			1140	55	1.8	55		
				9872	243'	247' 4'			3725	154	4.5	192		
				9873	247'	249'5" 2'5"			8336	580	17.7	370		
100%	249.2	271	Grey White Crystalline Massive Limestone Tr.-1% diss. py.; local vein py. eg. 259'6"; 260'4" w poss. ZnS	9874	259'	261' 2'			38	157	0.7	15		
100%	271	277	Skarn Zone w massive magnetite ± 80% magnetite w local banded cp. zone @ 276-277'. Abund. py. also.	9875	271'	277' 6'			4038	5356	3.9	390		
				9876	277'	280'11"3'11"			440	311	1.2	55		

DIAMOND DRILL HOLE RECORD

Property Enna

Level	Lot.	Hole No.	Enna 87-2	Dip Tests
Location	Dep.	Sheet No.	2 of 5	
Date Started	Elev.	Core Size	ND	
Date Finished	Bearing.	Logged by	P.J. Burns	
Depth	Slope			

FOOTAGE	DESCRIPTIONS	CORE ASSAYS					ppm			ppb	RECOVERY		
		No.	FROM	TO	FEET	%	%	Cu	Zn	Ag	Au	RUN	SHORT
212.5' - 237.2'	Feldspar Hornblende Diorite Same As 6' to 205.8'												
237.2' - 241.5'	Grey Mafic Dyke Same as 205.8' to 212.5' Occas blebs py; upper contact 30												
241.5' - 268.8'	Feldspar Hornblende Diorite (Same as above) 259' to 262'4" bleached, altd zone												
268.8' - 287.3'	Grey To Pinkish Mafic Dyke (Same as 205.8' to 212.5' and 237.2' to 241.5') Upper contact @ 60 c.a.; chl & carb altd; carb stringers @ 30 - 40 c.a.; Lower contact @ 50 c.a.												
287.3' - 473.4'	Feldspar Hornblende Diorite 1/4" sulphide (py) vein w Q & C altn halo @ 290' to + 292", // to c.a.; 326' to 331' abund finely diss py and pyrr veinlets @ 10 to 20 c.a. Abund diss py + pyrr @ + 359 to 370' and stringers @ 30 c.a. altd, bleached @ 376-411 w local abund diss, vnit py + tr. magnetite; carb and ep stringers more intense below 426', 4-8 per foot, avg width ± 1/32"; increase in ep stringers, veins below 450' @ 10, 35, 60 c.a.	9884	326	331	5'			68	32	0.1	2		
		9885	359	362'2"	3'2"			1107	49	0.7	98		
473.4' - 305.5'	Feldspar Porphyry Dyke (Fspar Porphyry Biotite Syenite?) Upper contact @ + 80 c.a; minor 2" altn zone @ contact in FHD; 2% - 4% gold-brown coloured mica (phlogopite?) - light brown. Abund carb. stringers, veinlets.; Lower contact banded, alt'd @ 40 c.a.												
505.5' - 562.3'	Feldspar Hornblende Diorite (As Above) Local alt'd silicified zones, bleached w diss. & vein py ± Ep. 541': 6" zone of carb. matrix "crackle" bx ie. minor clast separation; increase in Py + Ep stringers below 544' @ 70 -90 c.a.	9886	510'3"	514'2"	3'11"			95	43	0.1	3		
		9887	545'	551'	6'			45	49	0.1	2		

DIAMOND DRILL HOLE RECORD

Emma

Property _____

Level	Lot.	Hole No.	Emma 87-7	Dip Tests
Location	Dep.	Sheet No.	3 of 5	
Date Started	Elev.	Core Size	NO	
Date Finished	Bearing	Logged by	P. J. Burns	
Depth	Slope			

FOOTAGE	DESCRIPTIONS	CORE ASSAYS					ppm			ppb		RECOVERY	
		FROM	TO	FEET	%	%	Cu	Zn	Ag	Au	RUN	SHORT	
562.3'	628'	Dyke (Fspar Porphyry GDRT?) Upper contact with chill margin, Altd. @ 60 C.A. followed by 3' with 10% mafic pheno's gradational into crowded FP matrix (not the FHD unit). Med. to dark grey color, fspar pheno's avg. 1/8" diameter (smaller than in FHD unit) 40%; mafics 15-20%. Local Chl.-carb. stringers @ 20 to 70 C.A.; trace finely diss. Py. Occasional 1/2" to 1" rare xenoliths-Mafic, F.gr. eq 600' note: no Ep.											
628'	699.3'	Feldspar Hornblende Diorite/Dyke? (As Previous ±) Contact Sharp 70 - 80 C.A. Apparent gradational change to crowded fspar porphyry dyke?? Probably all same unit with gradational variations in fspar grainsize &%. Compositionally same rock.											
699.3'	767.6'	Feldspar Hornblende Diorite Same as 6' to 205.8' with Tr. Diss Py, Ep - carb. stringers. + Py. Ep altn may provide guide to distinction with above unit. No clear contact but poss an altn zone (3") @ 699'3" * 5-10% fspar phenos 1/8" to 1/4" diam. Rock hard, poss silicified on high orig <u>SiO₂</u> content. Locally abund. Ep stringers 744' notable increase in Py as diss & stringers. Rock a lighter grey, altered appearance with more abundant Ep & Carb stringers & veins. Py locally to 3-5% diss. & tr Co.											
767.6'	778.5'	Skarn Zone Pale whitish to pale brown color, abundant F.Gr. red brown to pale brown Garnet with Tr Py, Cp as blebs, fracture coatings. Skarn contact with Bedding @ 25-40 C.A. (thinbedded) Rock appears to be F.Gr. metaseds, volcanic sed tuffs? Skarn development mod-strong throughout interval, with Py & Tr Co.											
		9888	765'5"	767'7"	2'2"		5144	176	5.9	250			
		9889	767'7"	772'1"	4'7"		1992	73	2.1	82			
		9890	772'1"	778'6"	6'6"		747	51	1.3	17			

DIAMOND DRILL HOLE RECORD

Property _____ Emma _____

Level	Lat.	Hole No.	Emma 87-2	Dip Tests
Location	Dep.	Sheet No.	4 of 5	
Date Started	Elev.	Core Size	NQ	
Date Finished	Bearing	Logged by	P.J. Burns	
Depth	Slope			

FOOTAGE	DESCRIPTIONS	CORE ASSAYS				ppm			ppb		RECOVERY		
		NO.	FROM	TO	FEET	%	%	Cu	Zn	Ag	Au	RUN	SHORT
778.5'	790.5'	Tuffaceous Metavolcanics (or Metaseds)											
		9891	778'6"	783'6"	5'			176	37	0.1	1		
		Thin Bedded (?) in Part with Minor Skarn Bands (Narrow 1-2").											
		Dark Grey-Green, Bedding(?) @ 25-35 C.A. Abund Diss Py 2-5%.											
		9892	783'7"	788'6"	5'			94	67	0.1	1		
		Cut by Narrow Carbonate Stringers + EP.; 790'=bedding @ 20 C.A.											
790.5'	795'	Skarn Zone											
		9893	788'6"	790'6"	2'			437	195	0.9	3		
		9894	790'6"	795'1"	4'6"			31	69	0.1	1		
		Well developed, as previous, @ 60 C.A. limy in part, Poss.											
		metamorphosed limestone, tr to 1% diss py & tr Mag											
795'	807.2'	Probable lithologic change to thinbedded Metaseds; Alt'd with											
		garnet, silicified. Bedding 40 C.A.											
		tr diss. Py. Locally well developed Skarn Zones eg. 795'6"											
		9895	796'6"	801'6"	5'			112	139	0.4	4		
807.2'	811.2'	Volcaniclastic Agglomerate											
		Grey - Green; contact @ 30 C.A., irregular; clasts Pred											
		Intrusive/volcanic to 1" diam 80 - 85%; subrounded to rounded											
		with chl + EP matrix. tr Diss Py.											
811.2'	821'	Altered Metasediments with well developed skarn mineralogy											
		9896	816	821	5'			370	199	0.8	3		
		bedding @ 20-30 C.A. tr Py to rare veinlets Py.											
		Ep=chl altn, garnet & silicif.											
821'	829.8'	Volcaniclastic Tuff - Agglomerate											
		Similar to 807.2' to 811.2' but w. pred. Volcanic clasts,											
		smaller diam. ie. average 1/4" to 1/2", mod to well rounded.											
829.8'	852.3'	Meta Volcanics or Meta Sediments											
		9897	828'9"	832	3'3"			3399	55	6.8	205		
		Skarn Mineralogy in Thin Bedded Meta Seds or tuffaceous											
		volcanics - Andesitic? Bedding @ 20 - 30 C.A.											
		9898	832	836	4'			1683	184	3.0	61		
		9899	836	841	5'			420	286	0.9	2		
		829'9" to 832' 1%-2% diss & "Blebs" of Cp in well-developed skarn.											
		tr Cp also from 833-834' weak - mod skarn development from											
		832-841 but 2-4% diss. Py.; tr Cp (836') as Diss.											
		827' 2" carb vein 35 C.A. Barren abund Ep-Chl altn.											
		841-844'6" strong skarn w. 2-3% finely diss. py., tr.Cp.											
		9900	841	844'6"	3'6"			62	97	0.1	1		
		9901	844'6"	848'8"	4'2"			107	165	0.2	5		
		844'6"-852'3" f.gr. siliceous metaseds, with 2-5% finely											
		diss Py + Pyrrhotite Abund 1% diss. & unit Cp @ 849'6" to 852'											
852.3'	910.6'	Massive Grey - White Crystalline Limestone. 853'5" to 855'5" strong											
		9902	848'8"	852'3"	3'7"			1863	143	2.4	15		
		9903	852'3"	855'5"	3'2"			16158	46	39.9	445		
		skarn, limy with abund. blebs Cp 5-15%; tr. grey Ag. minl.											
		854'10" massive limestone with sporadic skarn mineralogy developed											
		9904	855'5"	857'6"	2'1"			1138	402	1.0	20		
		855'5" to 856'9" Minor veinlets with Py-Cp 1/8 to 1/4" wide											
		856-857' tr PBS? with Cp											
		9905	865	870	5'			112	84	0.1	11		
		Local Brecciated Limestone, eg. @ 865 - 877, with trace diss. & veinlet											
		py.; weak Skarn Development.											

DIAMOND DRILL HOLE RECORD

Property Emma

Level	Lat.	Hole No. 87-3	Dip Tests
Location	Dep.	Sheet No. 3 of 4	
Date Started	Elev.	Core Size NQ	
Date Finished	Bearing	Logged by P.J. Burns	
Depth	Slope		

Recovery	FOOTAGE		DESCRIPTIONS	CORE ASSAYS					ppm				ppb		RECOVERY	
	FROM	TO		No.	FROM	TO	FEET	%	%	Cu	Zn	Ag	Au	RUN	SHORT	
100%	146.8	153.2	<u>Skarn Zone</u> Poorly developed, prob. alt'd seds although local remnant fspar. pheno's? Local strong magnetite blebs. Garnet-Epidote-magnetite-pyrite skarn:150-153.2= Subtle porphyry texture w poss. chert clasts locally. Silicified w diss. mag.	9917	146.8	150	3.2			218	53	0.2	52			
				9918	150	153.2	3.2			161	28	0.2	5			
95%	153.2	227	<u>Grey-Green Argillite (Locally Limy Argillite)</u> Fine grained, local skarn zones (poorly developed) w ep-py-garnet. eg. 154.8-156.4 ;banding @ 10° c.a. 161.8 Strong 1" magnetite zone. Also between 156.4-159.1 + 10-15% banded magnetite; tr.py. Banded @ 40° c.a.; 177' black argillite (limy) Local minor diss. py.-mag. sporadic Argillite Is The Limy Argillite Unit 2e ; 177-180 2-5% diss.py.; Limy argillite continues to 187' ; argillite below w carb. stringers and micro-veinlets. 187-189 Brecciated argillite	9919	154.8	156.4	1.6			117	120	0.3	27			
				9920	156.4	159.1	2.7			75	50	0.1	2			
				9921	177	180	3.0			70	69	0.2	1			
				9922	181.8	183.6	1.8			88	342	0.3	1			
98%	227	232.5	<u>Hornblende Porphyry Andesite/Basalt</u> Contact @ 30°? c.a. Prob. Dyke; 15% Hb pheno's. ; Dark grey in colour; mafics partially alt'd to chlorite; slightly to mod. magnetic, tr. diss. py.													
97%	232.5	240	<u>Dark Grey-Black Banded Argillite</u> Tr. diss. py.; brecciated in part. ; Contact @ 20° c.a.													
98%	240	257.3	<u>Med. Grey Hornblende Porphyry Andesite</u> Contact @ 40° Poss. Dyke Unit. Alt'd contact zone over 1'; sightly magnetic, tr. diss. py. cut by carb stringers. Chloritic alt'n soft.													
100%	257.3	288.1	<u>Massive Grey-White Limestone/Limestone Breccia</u> Contact @ 20° c.a. chilled margin and 2' skarn in limestone weakly developed w garnet + py. + magnetite + chalcopyrite traces only. Bx Strongest From 278-288.	9923	257.3	259.2	1.9'			46	74	0.1	1			

DIAMOND DRILL HOLE RECORD

Property Emma

Level	Lat. 16 + 00S	Hole No. 87-4	Dip Tests
Location	Dep. 59 + 08W	Sheet No. 1 of 3	Footage 365'
Date Started Nov. 30/87	Elev.	Core Size NQ	Reading -47°
Date Finished Dec. 2/87	Bearing 110° / -45°	Logged by P.J. Burns	
Depth 365 Ft.	Slope		

Recovery	FOOTAGE		DESCRIPTIONS	CORE ASSAYS						ppm			ppb		RECOVERY	
	FROM	TO		NO.	FROM	TO	FEET	%	%	Cu	Zn	Ag	Au	RUN	SHORT	
	0	10	Overburden / Casing													
88%	10	30	Feldspar-Hornblende-Biotite Porphyry Dyke Probably map unit 15 (fspar porphyry); pale green colour, 10% fspar pheno's, alt'd, 1/16" to 1/8" diameter; 4-5% fine grained hornblende (?) 1/32" avg. diam. Fine grained matrix, soft. Tr. carb., mod. magnetic. 10' to 25' lost circulation from 19' to 25' (recovery 85%) Fracture/Fault Zone													
98%	30	63.5	Dark Grey Volcanic Breccia (?) Unit 9b? Contact sharp @ 70° c.a.; Limy and silicified in part. Dark grey. Locally to 5% veinlets and blebs of Py appears to be andesitic fragmental. Abund. ep-chl alt'n trace magnetite. 60.7 1/4" grey clay gouge 65° to c.a. 62.4-63.5 Fault Zone 50% grey clay gouge, 50% brecciated rock fragments; 60° c.a.	9925	30.7	35	4.3'			51	68	0.1	4			
				9926	35	40	5'			45	84	0.1	2			
				9927	40	45	5'			43	70	0.1	1			
				9928	45	50	5'			46	80	0.4	1			
98%	63.5	66.2	Skarn Zone Faulted contact. Epidote-quartz-garnet with dissem. py-cp to 1% ± ZnS; probably alt'd limestone	9929	63.5	66.2	2'7"			1232	7652	3.3	1			
100%	66.2	72.8	Limestone Breccia - Unit 2a; grey, clasts locally banded, 1" to 2" diam.; rare grey chert clasts; tr. py. poss. tr. PbS - ZnS													
99%	72.8	95.3	Skarn Zone Pale brown to grey, abundant garnet-epidote (±magnetite) probably alt'd limestone/argillite; banded @ 70° c.a. (bedding?) Also narrow banded magnetite zones, 83' to 84' - diss. mag. w tr. cp. 87.4 to 87.8 20 to 25% ZnS ± PbS 88 - 93 3 - 5% ZnS	9930	73	76	3'			713	10558	0.7	20			
				9931	76	80	4'			565	526	0.6	11			
				9932	82	86	4'			1536	618	1.9	4			
				9933	86	87.4	1.4'			266	2747	0.7	6			
				9934	87.4	88	0.6'			560	91370	2.9	8			
											12.58%					
				9935	88	93	5'			235	30862	1.9	18			

DIAMOND DRILL HOLE RECORD

Property Emma

Level	Lat.	Hole No. 87-4	Dip Tests
Location	Dep.	Sheet No. 3 of 3	
Date Started	Elev.	Core Size NQ	
Date Finished	Bearing	Logged by P.J. Burns	
Depth	Slope		

Recovery	FOOTAGE		DESCRIPTIONS	CORE ASSAYS						ppm			ppb		RECOVERY	
	FROM	TO		No.	FROM	TO	FEET	%	%	Cu	Zn	Ag	Au	RUN	SHORT	
			191.5 Sharp Irregular Contact @ 70° c.a. between syenite & mafic dark grey-black (andesitic) dyke w hb & alt'd (clay) fspar pheno's. Conspicuous absence of bi, but grades into prob. kspar. matrix at : 202' w. tr. bi. Local variation in this unit continues eg/ @ 220'. At 222' approx. - gradationally (?) coarser grained Bi-Hb-Fspar porphyry syenite dyke;tr. py.;Bi unaltered.													
98%	252.6	365	Argillaceous Limestone to Limy Argillite Contact sharp, irregular @ 50° c.a.; bedding 70-80° c.a. (thinbedded); local narrow bx zones.; tr. to 1% diss. py.-sporadic; tr. cp. 275-276 Limestone Breccia: 279-288.6 Contacts 60°-65° c.a.; 308' ± 1% chert pebble clasts. Bedding 80-90° c.a. At 300' and below (interbedded) thinbedded argillite zones. (pred. limestone w. argillaceous interbeds) Pred. Ls. bx.: 335-356 351.5' narrow chert pebble congl. END OF HOLE = 365'	9946	274.5	277	2.5			50	124	0.7	1			

DIAMOND DRILL HOLE RECORD

Property Emma

Level	Lat.	Hole No. 87-5	Dip Tests
Location	Dep.	Sheet No. 2 of 2	
Date Started	Elev.	Core Size NQ	
Date Finished	Bearing	Logged by P.J. Burns	
Depth	Slope		

Recovery	FOOTAGE		DESCRIPTIONS	CORE ASSAYS						ppm			ppb		RECOVERY	
	FROM	TO		No.	FROM	TO	FEET	%	%	Cu	Zn	Ag	Au	RUN	SHORT	
98%	121.5	141	Fspar. Hb Porphyry Dyke Contact @ 70° c.a. brecciated over 2"; grey-brown colour 1.5' alt'd zone @ contact (chill bones) matrix 80-85%, fine grained, slightly limy. Slightly magnetic, soft. Mafics alt'd to chl., fspars. to clay													
97%	141	294.2	Alt'd Fragmental Andesite Contact @ 45° c.a., grey; chl.-ep. alt'n w pervasive ep.-py. patches. Locally 1-2% py.; 147 to 280 garnet-epidote skarn patchy, discontinuous w assoc. silicification; abund. diss., banded py. @ 154-155' to 15% 172-173' tr. diss. Cp & Pv 192.5-194 Skarn zone w tr. cp. Skarn Altn Intensifies Below 201' 202' and below tr. cp., sporadic, assoc. w garnet ± carb. tep. skarn.; 213-216 tr. sphalerite/chalcopyrite; sporadic tr. ZnS/cp below.; 232.3' steel grey soft sulphide (can scratch with fingernail) (graphite?) molybdenum probably 246.2-248.5 Grey Black Fspar. Porphyry Dyke Contacts 65° and 90°. Lower has 1/4" chill zone; 20% alt'd (chl.) fspar pheno's 1/8" diameter, minor mafics. 257.4-258.8 Soft grey molybdenum streaks. Discontinuous veinlets. Same as 232.3' Skarn is predominantly garnet-carb. tep. Limy. May be alt'd limestone below ± 201 ft. Skarn alt'n decreases from strong to weak, discontinuous at approx. 280' Rock limy, alt'd limestone w occas. siliceous clasts. Occas hematite coated fracture surfaces throughout, Limestone Below 287.5'	9947	142	146	4			85	197	0.1	1			
				9948	152.8	155.7	2.9			81	85	0.2	1			
				9949	171.7	173.6	1.9			180	144	0.6	2			
				9950	192.5	194	1.5			293	54	0.6	1			
				9974	202	207	5			789	731	2.0	2			
				9975	207	212	5			1021	1091	1.0	2			
				9976	212	217	5			790	1984	0.7	5			
				9977	217	222	5			723	1752	1.1	2			
				9978	222	227	5			1385	796	3.5	9			
				9979	227	232	5			1345	166	13.5	23			
				9980	232	237	5			446	165	3.0	4			
				9981	237	242	5			1151	165	3.2	6			
				9982	242	246.2	4.2			587	188	2.1	2			
				9983	248.5	253	4.5			346	69	0.6	1			
				9984	253	257.4	4.4			647	213	1.6	3			
				9985	257.4	258.8	1.4			1112	236	9.7	26			
				9986	258.8	264	5.2			396	215	3.2	2			
				9987	264	269	5			441	153	2.1	1			
				9988	269	274	5			171	113	1.0	1			
98%	294.2	356	Feldspar (-Hb) Porphyry Dyke/Intrusive. Dark grey to grey black, magnetic. fspars alt'd to chlorite. Mafics (Hb?) 15% 1/32 - 1/16" diameter; Contact irregular, poss. faulted, w narrow clay zone.; Fspar pheno's avg. 1/8" diameter cut by occas. 1/2" carb. stringers 50-60° to c.a. with 2" to 4" assoc. alt'n haloes eg. @ 340 and 342													

356' END OF HOLE = 356'

