

LOG NO: 17-01	RD.
ACTION:	
FILE NO:	

DIAMOND DRILLING
ASSESSMENT REPORT

on the

SILVER-DAWN PROPERTY

ROCK CREEK AREA
GREENWOOD MINING DIVISION
BRITISH COLUMBIA

LATITUDE 49° 6' NORTH
LONGITUDE 118° 58' WEST

NTS MAPSHEET 82E/2W

by

Douglas H. Wood, B.Sc., FGAC
Consulting Geologist

January 10, 1991

20,826

GEOLOGICAL BRANCH
ASSESSMENT REPORT

Table of Contents

1.0 SUMMARY	1
2.0 INTRODUCTION	3
2.1 Terms of Reference	3
2.2 Location and Access	3
2.3 Topography, Climate and Vegetation	3
2.4 Property Status	4
2.5 Survey Procedures	5
3.0 PROPERTY HISTORY	6
4.0 GEOLOGY, MINERALIZATION AND DRILLING RESULTS	8
5.0 CONCLUSIONS	18
6.0 RECOMMENDATIONS	18
6.1 Projected Cost Breakdown	19
APPENDIX A - CERTIFICATE OF QUALIFICATIONS	
APPENDIX B - DIAMOND DRILL LOGS	
APPENDIX C - ASSAYERS' CERTIFICATES	
APPENDIX D - REFERENCES	
APPENDIX E - STATEMENT OF EXPENSES	

List of Figures

1. Location Map	Follows Pg	3
2. Topographic Map	Follows Pg	3
3. Claim Map	Follows Pg	4
4. Regional Geology	Follows Pg	8
5. Plan Map (Drill Hole Locations)	In Pocket	

1.0 SUMMARY

A diamond drilling program conducted in the immediate vicinity imperial workings in the west central portion of the Silver-Dawn Claim Group has extended the limits of known zinc + lead + silver mineralization and accompanying low-grade gold mineralization to an area some 120 meters (400 ft) northeast of the underground workings and the Imperial pit, located on the Kelly 1 mineral claim.

Mineralization is primarily hosted within carbonatized and silicified ultramafic bodies which intrude upper Paleozoic age greenstones and meta-sediments of the Knob Hill Group or similar aged Anarchist Group. Ultramafic rocks have been altered to magnesium-iron rich carbonates with mineralization being offset and apparently controlled by faulting of probable Tertiary age. Mineralization also occurs within sheared and sericitic greenstones of the Knob Hill Group but this type of mineralization is not extensive.

Mineralization in the carbonate appears as shallow dipping, heavy sulfide pods and lenses ("black leads") and to a lesser extent as quartz-sulfide veins and banded sulfides over a strike length in excess of 80 meters (260 feet) and to a depth of up to 67 meters (220 feet) with an east-west dimension of at least 100 meters (330 feet). Mineralization in the greenstones occurs as banded and disseminated sulfides.

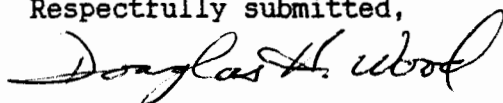
Typical grades in black leads are between 0.01 and 0.10 opt gold, 1.0 to 10.0 opt silver and 1% to 7% combined lead-zinc. Similar grades are encountered in banded sulfides. Quartz-sulfide veins return grades of up to 0.564 opt gold with low grade silver and base metals values generally less than 2%.

Mineralization of economic potential is restricted to the carbonate and a greenstone horizon within the carbonate.

Although the recent drilling program has given encouraging results, the amount of data gathered is not considered sufficient to estimate tonnage or to prove the commercial viability of the mineralization encountered.

The recent drilling program has covered only a fraction of the potential area of mineralization as inferred from previous geochemical studies and the presence of surface and underground mineralization. Continued drilling is strongly recommended to the north, south and west of the area so far drilled to further delineate mineralization, grades and to determine tonnage and commercial potential. An additional 2,000 meters (6,000 ft) of vertical diamond drilling using a maximum of 100 meters between centers is recommended at an estimated cost of \$289,000(CDN).

Respectfully submitted,



D.H. Wood, B.Sc., FGAC
Consulting Geologist

January 10, 1991



2.0 INTRODUCTION

2.1 Terms of Reference

Pursuant to a request from the directors of Rock Creek Resources Ltd., the present assessment report summarizes the results of 1559 meters (5115 ft) of diamond drilling program conducted at the Imperial pit area of the Silver-Dawn claims between May 7 and October 12, 1990.

2.2 Location and Access

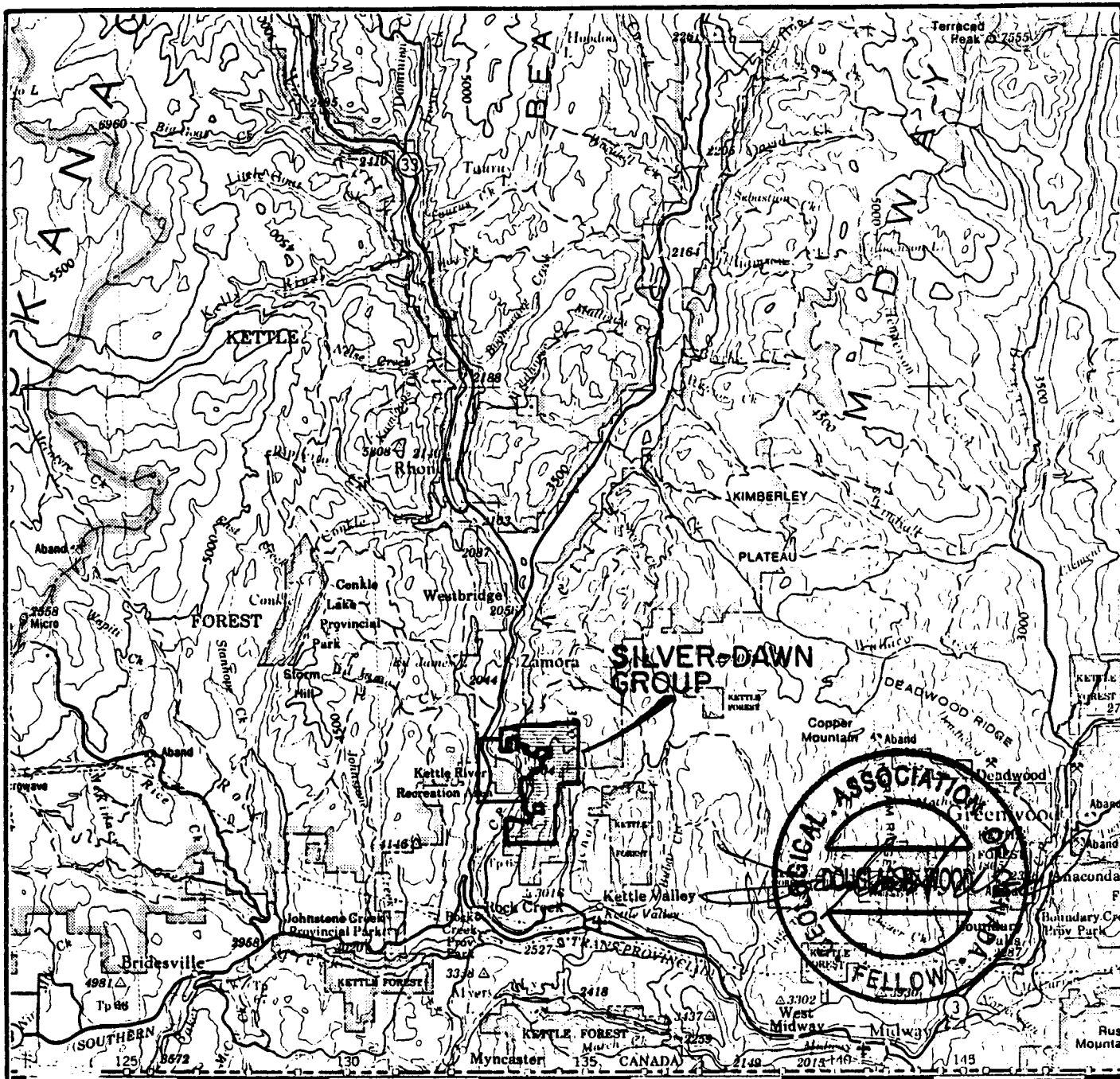
The Silver-Dawn property is located on the east side of the Kettle River 5 km north of the community of Rock Creek, B.C. Rock Creek is situated on Highway 3 mid-way between Osoyoos and Greenwood, B.C. approximately 320 km east of Vancouver. The drilling program was conducted adjacent to the Imperial mine workings located in the west central portion of the property.

The property is located on the western half of NTS mapsheet 82E/2 and is centered at Latitude 49° 06' North, Longitude 118° 58' West.

Access to the property from Rock Creek is gained by proceeding north on Hwy 33 for 200 meters north of the junction with Hwy 3 at Rock Creek, then right across the Kettle River for another 300 meters and then left onto the East Kettle River forest access road for 5.2 km to the site of the drilling program. The drill sites are accessible by 4x4 vehicles via existing rough roads improved during the course of the program.

2.3 Topography, Climate and Vegetation

The property lies at the eastern extremity of the Monashee Mountains. Elevations on the property range from 610 meters (2000 ft) at the level of the Kettle River to 1000 meters (3300 ft) in the eastern and northern portions of the property. Slopes are gentle and ridge tops are rounded.



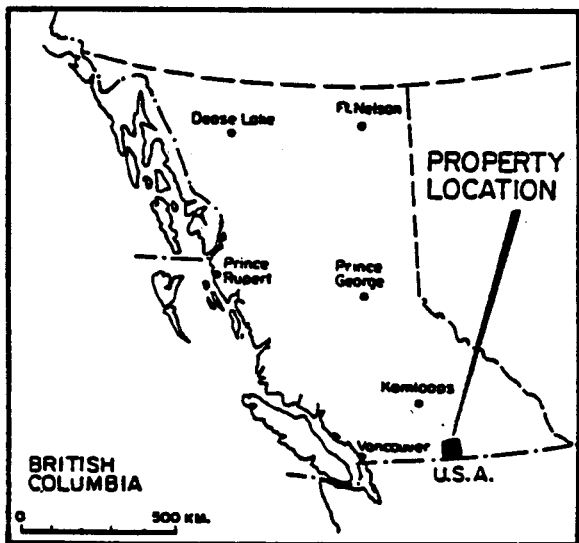
15'

119°00'

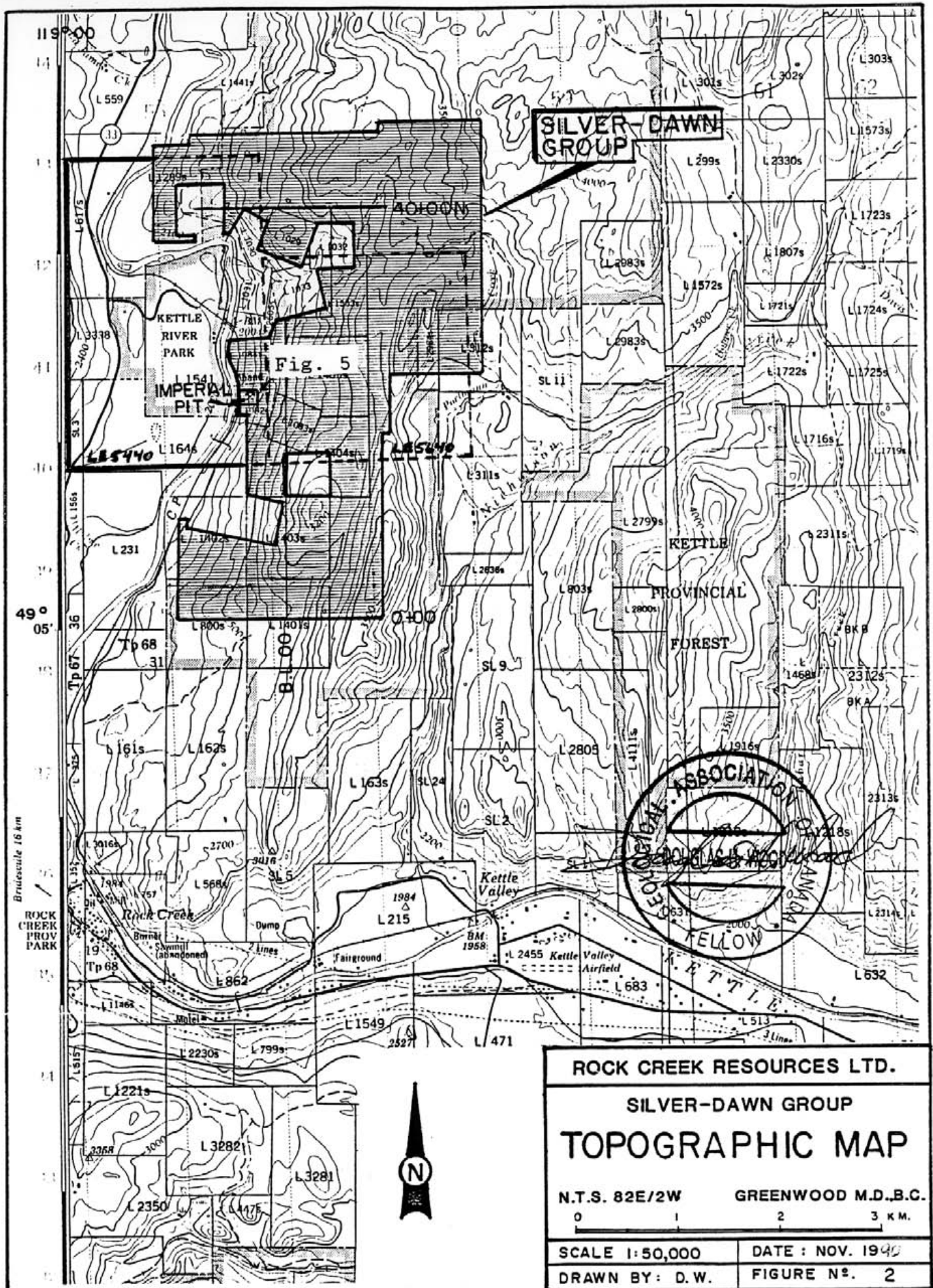
UNITED STATES OF AMERICA

45'

Republic 51 km



ROCK CREEK RESOURCES LTD.	
SILVER-DAWN GROUP	
LOCATION MAP	
N.T.S. 82E/2W	GREENWOOD M.D., B.C.
SCALE 1:250,000	DATE: NOV. 1990
DRAWN BY: D.W.	FIGURE NO. 1



SILVER-DAWN GROUP

Fig. 5

ECOLOGICAL ASSOCIATION OF BRITISH COLUMBIA
 FELLOW

ROCK CREEK RESOURCES LTD.	
SILVER-DAWN GROUP	
TOPOGRAPHIC MAP	
N.T.S. 82E/2W	GREENWOOD M.D., B.C.
SCALE 1:50,000	DATE: NOV. 1940
DRAWN BY: D.W.	FIGURE No. 2

The Rock Creek area lies within the rainshadow of the Coast Mountains with precipitation being sparse and occurring mainly as snow during the winter and rain in the spring. Snow accumulation is generally less than 1 meter over the winter, allowing year round access to the property, especially at or close to the level of the river. Water for mining and milling purposes is available from the Kettle River and local drainages.

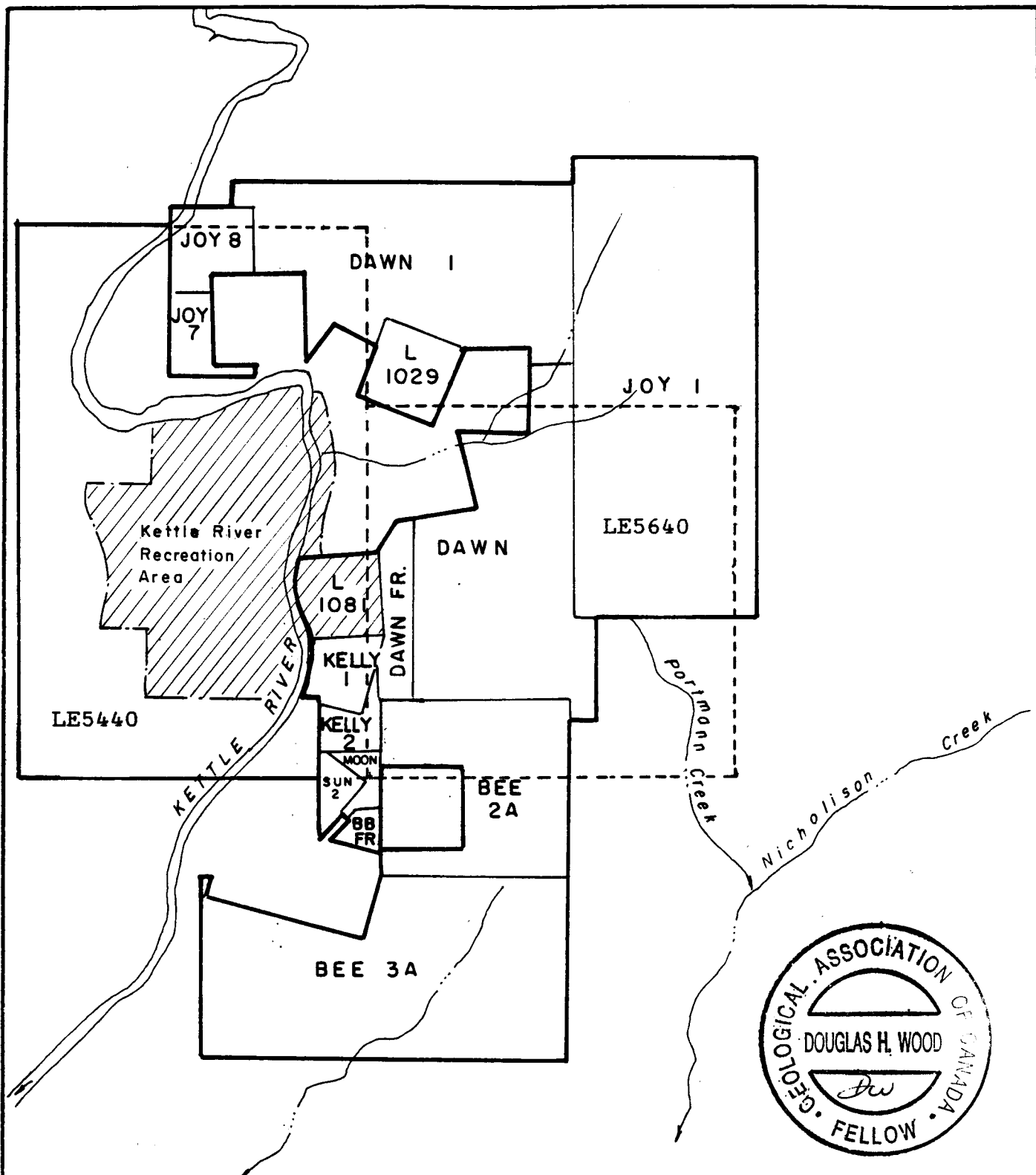
Vegetation on the property is open pine and fir in most areas. Much of the claim group has been selectively logged over the past 60 to 80 years. Gully areas and north facing slopes tend to have thick growths of underbrush and deciduous trees. Abundant timber is available for mining purposes.

2.4 Property Status

The Silver-Dawn Group - consisting of 90 claim units including fractions covering some 2000 hectares, is situated in the Greenwood Mining Division. Statement of Work was applied for on October 15, 1990 based on the current exploration program up to that date. Additional exploration work was conducted subsequent to October 15, 1990 and this will be the subject of a later report. Summary record data as follows:

A: Claims owned or held under option by Rock Creek Resources Ltd. in Joint Venture with Silver Falls Resources Ltd.

<u>Claim</u>	<u>Rec. #</u>	<u>Expiry Date</u>	<u># Units</u>
Kelly 1	1707	July 23, 1995	1
Kelly 2	3042	March 24, 1995	1
Sun 1	3239	October 20, 1995	1
Sun 2	3240	October 20, 1995	1
Moon 1	6023	September 11, 1995	1
B.B. Fraction	2931	November 10, 1995	Fr.
Bee 2A	5120	February 29, 1995	4
Bee 3A	5121	February 29, 1995	8



ROCK CREEK RESOURCES LTD.	
SILVER-DAWN GROUP	
CLAIM MAP	
N.T.S. 82E/2W	GREENWOOD M.D., B.C.
SCALE AS SHOWN	DATE : NOV. 1976
DRAWN BY: D.W.	FIGURE N°. 3

B: Claims held under option by Rock Creek Resources Ltd. and owned by Ultraline Mining Services Inc.

<u>Claim</u>	<u>Rec. #</u>	<u>Expiry Date</u>	<u># Units</u>
Dawn	3811	July 8, 1995	8
Dawn #1	3812	July 8, 1995	8
Dawn Fraction	3813	July 8, 1995	1
Joy 1	3185	July 28, 1995	10
Joy #7	3718	April 26, 1995	1
Joy #8	3719	April 26, 1995	1
Commonwealth	1440	March 28, 1995	1
Commonwealth Fr	5828	April 10, 1995	1
LE 5440	5985	July 20, 1993	24
LE 5640	5984	July 20, 1993	16

Notably, claims LE 5440 and LE 5640 are covered under Recreational Area regulations and are located over the Kettle River Recreation Area located immediately west of the remainder of the claim group and overlapping in the area of the Kelly 1 claim.

2.5 Survey Procedures

Diamond drilling detailed in this report was conducted in the northern portion of the Kelly 1 mineral claim.

A detailed grid totalling 2.125 line km was established from the existing 1987/1988 survey baseline at 21+00N to provide control for the drilling program. All drill locations are in meters relative to this detailed grid. An underground survey previously published by E.N. Larabie, P.Eng. in a report dated December 1987 was tied into the detailed survey. All survey and tie-in work was completed using tape chain, compass and clinometer. All stations were marked by fluorescent orange painted survey pickets at 25 meter intervals on lines placed 25 meters apart from 100 meters west of the baseline to 325 meters west of the baseline from 19+75N to 21+75N for a total of 4.5 hectares grid coverage.

Elevation data was established using a datum of 2000 ft. (610 meters) as the level of the track bed of the abandoned Kettle Valley rail line. This number is

estimated from the nearest bench mark of 2004 ft. (611 meters) located adjacent to the rail bed and approximately 520 meters north of and up grade from the detailed grid area.

A total of 13 holes amounting to 3015 feet (919 meters) of diamond drilling was accomplished by a Super Hydracore 28 drill using NDB rods and bits which gave a core diameter of approximately 5.6 cm (2.2 inches). Casing for all NDB holes except DDH-90-4 were left in situ to allow for later surveys and testing. A further 2100 feet (640 meters) consisting of a further 9 holes of NQ drilling with a diameter of 5.1 cm (2 inches) was drilled using a Longyear 38 drill. Casings were removed from these collars with the exception of DDH 90-17.

NDB and NQ core diamond drilling was conducted by Canex Drilling Ltd. of Delta, B.C. and by Tex Drilling Ltd. of Kamloops, B.C. respectively under contract with Ultraline Mining Services Inc. of Vancouver, B.C. Field drill supervision was conducted by Douglas H. Wood, B.Sc., FGAC, author of this report.

Mineralized core was split and sampled for analysis. All sampled core was analyzed by ACME Analytical Laboratories for gold (FA+AA) and 30 elements (ICP). Pulp from samples for the first 13 drill holes with significant geochemical results were fire assayed for gold, silver, lead and zinc. Similar data for holes 90-14 to 90-22 was not available at time of writing (Appendix C).

Core splits and unsampled core are currently stored on a privately owned property located immediately south of the Kelly 1 mineral claim in an area overlapped by the Kelly 2 mineral claim.

3.0 PROPERTY HISTORY

The Silver-Dawn property and surrounding area was first explored and prospected during the 1860's when placer gold was discovered 5 kilometers to the south of the property in the gravels and benches of Rock Creek. Several shallow pits were noted in alluvial material along the banks of the Kettle River within the property area but none are of sufficient size to suggest that placer mining was extensive.

The British Columbia Ministry of Mines began reporting on lode mining in the property vicinity beginning in 1898 when the Crown granted title to the Big Eddy claim located adjacent to the northern portion of the present Silver-Dawn group.

Within the next few years underground production was begun at the Riverside Mine immediately south of the Big Eddy. Between 1907 and 1980, the Riverside Mine produced 290 tons of ore with an average recovered grade of 0.055 opt gold, 29.34 opt silver and 0.63% combined lead and zinc.

The first reference to showings and mines within the boundaries of the present Silver-Dawn property appear in the Minister of Mines Annual Report for 1913. Mr. E.L. Steeves reportedly began mining at the Imperial workings at that time. Only low assays were reported in the 1913 Government report from the face of a tunnel and from dump material but subsequent production was recorded in 1914 with 145 tons being produced averaging 0.076 opt gold and 8.96 opt silver.

The property apparently remained dormant for some years with production again being achieved from the Imperial in 1925-26 when 473 tons of ore were shipped averaging 0.05 opt gold, 9.28 opt silver and 2.4% combined lead and zinc.

Between 1934 and 1939, the Imperial Mine produced a further 179 tons of ore averaging 0.140 opt gold, 17.38 opt silver and 6.5% combined lead and zinc. The higher values from this period probably reflect a greater degree of sorting and grade control employed by miners at that time.

The last reported production from the Imperial Mine was a shipment of 59 tons made in 1949 which averaged 0.15 opt gold, 11.6 opt silver and 2.5% combined lead and zinc.

The overall production from the Imperial Mine between 1914 and 1949 was 840 tons with average recoveries of 0.079 opt gold, 11.05 opt silver and 2.8% combined lead and zinc.

Production was achieved from shallow dipping heavy sulfide lenses from two levels with the total development being limited to 365 feet (110 m) of drifts and cross-cuts.

The area of the Imperial workings has been periodically examined from the early 1950's to present. Several open cuts, shallow shafts and pits were dug during the early 1950's in an attempt to extend the known mineralization to the north, south and east.

During the late 1970's and early 1980's, a large 10 meter deep open pit was developed some 80 meters south of the Imperial adits (Kelly Pit). There are no available records of any material being shipped from this pit development.

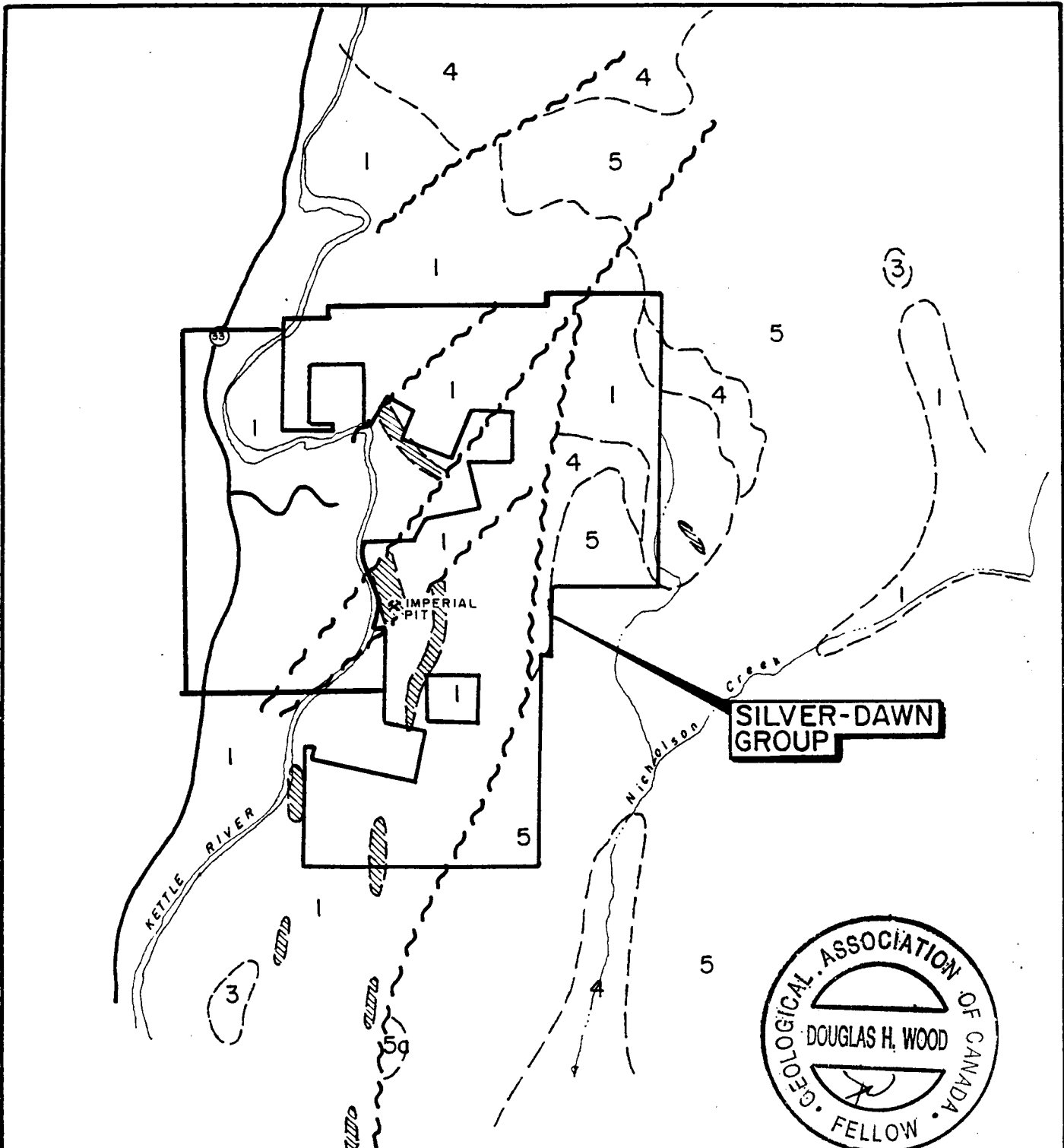
Assessment work over the Imperial workings and the adjacent Bee and Sun claims during the 1980's has consisted of prospecting, geological mapping and soil sampling (Kregosky, 1981, 1982 & 1983), underground sampling and mapping (Pringle, 1984), a magnetometer survey (Wood, 1986), geological, geochemical and geophysical surveys (Larabie, 1987) and trenching (Van Huizen, 1988). The 1986, 1987 and early 1988 work on the property was done by Silver Falls Resources Ltd. - the current Joint-Venture Partner with Rock Creek Resources Ltd.

A fall 1988 field program was completed on behalf of Rock Creek Resources Ltd. and included pit development and trenching, grid geochemical surveys, geological mapping and prospecting and a trial Max-Min 1 geophysical survey.

Total field costs for the diamond drilling program between May 7, 1990 and October 15, 1990 are \$148,487.25 (CDN).

4.0 GEOLOGY, MINERALIZATION AND DRILLING RESULTS


The geology of the Silver-Dawn property and surrounding area was mapped by this writer in 1988 on a reconnaissance scale of 1:10,000 and subsequently reduced to 1:50,000 scale (Figure 4) for inclusion in the present report. Lithologies were divided into five mappable units which are described - from oldest to youngest, as follows:



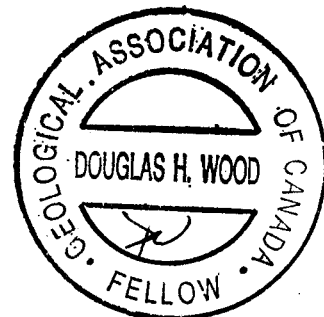
CENOZOIC

- 5** Tertiary basalt
- massive flows & breccias
- 5a dacite
- 4** Tertiary sandstone
- buff weathering, medium to coarse grained
- 3** Cretaceous intrusives
- granodiorite, gabbro

LATE PALEOZOIC

-  Carbonate/serpentine
- altered sills &/or dykes
- 1** Anarchist group
- greenstone, chert, argillite

 Fault



ROCK CREEK RESOURCES LTD.

SILVER-DAWN GROUP

REGIONAL GEOLOGY

N.T.S. 82E/2W

GREENWOOD M.D., B.C.

0 1 2 KM.

SCALE 1:50,000

DATE: NOV. 1969

DRAWN BY: D.W.

FIGURE N^o. 4

- Unit 1: Grey-green and brown-green weathering greenstone and chert with minor dark grey argillite and limey argillite. This unit is variously included within the late Paleozoic aged Anarchist Group (Little, 1957) or the similar aged Knob Hill Group (Little, 1983).
- Unit 2: Orange weathering white to buff crystalline magnesium rich carbonate which locally contains pods of serpentine and talc. Lenticular bodies occur within distinct linear bands and dip gently to the east and are probably listwanites (carbonatized ultramafic rocks formed along thrust faults).
- Unit 3: Grey weathering medium crystalline granodiorite which occurs as stocks, sills and dikes of probable Cretaceous age.
- Unit 4: Light grey to buff weathering relatively flat lying lithic sandstone and grit which unconformably overlies Knob Hill Group rocks where the contact is exposed. This lithology locally forms the basal unit of the Paleocene to Eocene aged Kettle River Formation (Little, 1957 & 1983).
- Unit 5: Dark brown weathering massive porphyritic basalt and basaltic breccia which overlie unit 4 or the unconformable contact with Knob Hill Group rocks. These volcanics are variously described as belonging within the Kettle River, Phoenix, and Marron Formations, all of similar age. Sub-unit 5a is a light green dacite with phenocrysts of plagioclase and quartz.

Two major structural elements are present within the property boundaries and surrounding area;

- a) pre-Cenozoic age north trending thrust faults which are traceable along linear belts of carbonate and serpentine (map unit 2).
- b) northeast trending steeply dipping faults related to Tertiary aged graben formation.

The carbonate/serpentine belts closely follow topography and are shallow dipping to the east at between 5° and 25°. Contacts between the ultramafics and the Knob Hill Group rocks are sheared and brecciated and the carbonates generally exhibit mylonitic textures. During the drilling program two carbonate horizons were encountered separated by extensively altered greenstone. This interlayered greenstone apparently is recessively weathering, which accounts for it not being found at surface in the drilled area.

Steeply dipping ,regional and outcrop scale, north and northeast trending and west dipping Tertiary graben related faults have offset the ultramafic rocks, notably within the west central portion of the property in the area of the Imperial workings. These faults are apparent in drill core as gouge zones.

Mineralization was encountered in all 22 diamond drill holes with the most significant intersections in DDH-90-3, 90-5, 90-9 and 90-13 (Table II).

Three types of mineralization are present in drill core and at the Imperial workings area;

- a) pyrite + sphalerite + galena +/- pyrargarite ("Ruby Silver") +/- stefanite mineralization occurs within brecciated dark grey to black, sooty looking heavy sulfide bearing pods, lenses and vein-like structures ("black leads") which are hosted within intensely silicified, sheared, mariposite and chlorite altered carbonates,
- b) quartz-sulfide (pyrite + sphalerite +/- galena +/- stefanite) fracture filling veins hosted within greenstones and carbonates, which at surface have been noted to occur adjacent to northeast trending faults and cross-cut black lead mineralization, and
- c) banded sulfides (pyrite + sphalerite +/- galena) in silicified carbonate and greenstone associated with sericitic alteration and quartz-sulfide veins.

The black leads occur as discontinuous lenses and vein-like heavy sulfide bodies ranging from 5 to 150+ cm (2 to 60+ inches) in thickness dipping shallowly (20° to 40°) to the east and generally northerly striking.

The black leads typically contain between 5% and 20% very fine grained sulfides as a dark grey to black sooty matrix with medium to coarse grained pyrite, sphalerite and galena and occasional pyrargarite.

White quartz fragments ranging from a few to 20 mm across are present in nearly all black lead material and the leads are brecciated and silicified. Examination of drill core suggests that the better grades occur when brecciation is less intense and sulfide mineralization greater.

Grades from the black lead material are highly variable with silver values generally ranging from 1 to over 70 opt (34 to 2400 g/T) and gold between 0.01 and 0.31 opt (0.34 to 10.6 g/T) with 1% to greater than 15% combined lead and zinc. Selected samples collected during the course of the surveys over the past 3 years have returned values in excess of 100 opt silver and 3 opt gold. Many of these appear to have been collected over narrow widths as can be seen in some of the results for drill core samples of similar high grade.

The black lead mineralization is highly anomalous in arsenic, antimony and mercury. No direct relationship is evident between the precious metal values and the lead and zinc content. Present evidence suggests that the main silver values are present in the form of a high silver bearing mineral such as pyrargarite ("Ruby Silver") or stefanite (silver antimony sulfide) and that gold grades are associated with silicification.

Silicification and shearing accompanied by heavy mariposite, chlorite and occasional sericite alteration occurs within the carbonate host in proximity to the black lead material and generally returns low metal values associated with disseminated sulfides.

Narrow quartz-sulfide veins, which cross cut the black lead material often at the footwall of mineralized intersections, carry the highest gold values but generally have low silver and base metal content.

Banded sulfide mineralization which is present in both carbonate and greenstone hosts have gold and silver grades similar to those encountered in the black leads.

During the course of a spring 1988 trenching program, a crudely sorted stockpile of approximately 182 tonnes (200 tons) was prepared. The stockpile - consisting of approximately 60% black lead material and 40% mariposite rich silicified and sheared carbonate was bulk sampled yielding an average grade of 0.079 opt gold, 8.98 opt silver and 0.89% combined lead and zinc (Wood & Wetervelt, 1988).

The bulk sample grades are close to those encountered in the drilling program where the average grades in mineralized intersections for drill holes 90-1 to 90-13 to the base of mineralization are 0.031 opt (1.06 g/T) gold, 4.48 opt (154 g/T) silver, 0.56% lead and 0.95% zinc and representing 14.93% of drill footage to the base of the carbonate host (Table II).

Tables I and II summarize the mineralized samples and intersections encountered in holes 90-1 to 90-13 during the recent drilling program. Descriptions of the core and the relationship of the core to the samples are included in this report as Drill Logs in Appendix B. Similar analysis for holes 90-14 to 90-22 will be performed when fire assay data for those holes becomes available.

The best results were encountered in holes 90-3 [three intersections covering 11.0 feet averaging 0.043 opt (1.47 g/T) gold, 4.60 opt (158 g/T) silver and 2.28% lead-zinc], 90-5 [five intersections covering 33.42 feet averaging 0.041 opt (1.41 g/T) gold, 13.30 opt (456 g/T) silver and 3.02 lead-zinc], 90-9 [three intersections covering 45.17 feet averaging 0.039 opt (1.34 g/T) gold, 5.23 opt (179 g/T) silver and 1.54% lead-zinc] and 90-13 [six intersections covering 33.67 feet averaging 0.029 opt (0.99 g/T) gold, 5.50 opt (189 g/T) silver and 2.28% lead-zinc].

Mineralization, as apparent from the recent drilling program, is open to the west, north and south of the drilled area. Grades and widths encountered in the eastern portion of the drilled area, notably in the area of holes 90-18 to 90-22 are lower than those in the central area around holes 90-3, 90-5 and 90-9.

TABLE I : Mineralized Core Sample Summary (Drill holes 90-1 to 90-13)

Drill Hole/ Sample #	Depth	Width Inches	Au opt	Ag opt	Pb %	Zn %
DDH-90-1						
55468 G	84' to 85'9"	21"	0.077	3.94	0.43	0.63
55474 G	93'7" to 94'10"	15"	0.015* ¹	0.49*	0.11*	0.25*
55478 G	102'9" to 103'	3"	0.027	0.91	0.37	0.65
55480 G	106'9" to 108'	15"	0.009	0.86	0.22	0.66
	4.17% of 108'	54"	0.036	1.96	0.28	0.53
DDH-90-2						
55486 G	77'3" to 78'4"	13"	0.062	2.60	0.35	0.73
55487 G	78'4" to 83'	52"	0.010	1.83	0.22	0.34
55491 G	87'5" to 88'3"	10"	0.097	2.95	0.79	0.79
	7.08% of 88'3"	75"	0.031	2.11	0.32	0.47
DDH-90-3						
55497 G	32'10" to 33'4"	6"	0.018	1.03	0.07	0.19
19956	89'9" to 91'	15"	0.115	7.33	2.70	5.18
19957	91' to 93'4"	28"	0.018	3.26	1.00	2.13
19959	98' to 98'4"	4"	0.014*	0.30*	0.07*	0.20*
19970	129'6" to 130'2"	8"	0.339	45.49	1.74	5.84
19971	130'2" to 132'2"	24"	0.007*	0.56*	0.11*	0.09*
19972	132'2" to 133'	10"	0.029	1.47	0.69	1.01
19974	136' to 136'5"	5"	0.019	1.46	0.71	1.44
	6.11% of 136'5"	100"	0.057	6.08	0.96	2.05
DDH-90-4						
19986	37' to 42'	60"	0.008	0.87	0.10	0.21
19987	42' to 43'4"	16"	0.087	0.72	0.14	1.48
19990	98' to 98'5"	5"	0.031	0.86	0.09	0.13
19994	113'4" to 113'9"	5"	0.029	1.11	0.27	0.26
19995	113'9" to 114'8"	11"	0.007	1.02	0.06	0.23
19996	114'8" to 115'4"	8"	0.125	1.18	0.42	0.62
	7.59% of 115'4"	105"	0.031	0.90	0.13	0.44
DDH-90-5						
444606 H	27' to 28'	12"	0.027	4.39	0.85	2.63
444610 H	32'10" to 34'2"	16"	0.135	4.55	2.49	4.86
444613 H	40'9" to 41'4"	7"	0.025	2.92	0.04	0.31
444615 H	42'6" to 43'	6"	0.030*	0.09*	0.004*	0.003*
444632 H	77'6" to 78'	6"	0.018	9.18	0.88	1.62
444633 H	78' to 78'9"	9"	0.007	3.25	0.08	0.07
444635 H	79'6" to 80'7"	13"	0.106	13.51	2.06	3.75
444622 H	97' to 98'	12"	0.022	4.61	0.75	1.32
444623 H	98' to 100'6"	30"	0.116	71.48	4.36	13.41

¹Values with '*' converted from ppm or ppb geochem data.

Drill Hole/ Sample #	Depth	Width Inches	Au opt	Ag opt	Pb %	Zn %
DDH-90-5 (CONT'D)						
444624 H	100'6" to 101'	6"	0.564	2.23	0.41	1.16
444625 H	101' to 102'	12"	0.012	1.26	0.50	0.26
444626 H	102' to 103'	12"	0.006*	0.38*	0.05*	0.02*
444628 H	104' to 106'10"	34"	0.020*	0.61*	0.08*	0.09*
444460 H	110'2" to 113'	34"	0.096	5.21	0.22	1.72
444641 H	113' to 118'	60"	0.008*	2.34*	0.24*	0.30*
444642 H	118' to 123'	60"	0.014	39.43	3.72	1.10
444643 H	123' to 125'1"	25"	0.006*	0.35*	0.03*	0.05*
	23.58% of 125'1"	354"	0.048	15.12	1.36	1.66
DDH-90-6						
444645 H	83' to 88'	60"	0.015*	0.79*	0.15*	0.32*
444648 H	98' to 103'	60"	0.006*	0.28*	0.06*	0.21*
	9.71% of 103'	120"	0.011	0.54	0.11	0.27
DDH-90-7						
444703 H	28' to 33'	60"	0.020	0.77	0.19	1.17
444703 H	33' to 34'6"	18"	0.071	3.89	0.99	4.88
444706 H	70' to 71'	12"	0.016	4.59	0.53*	0.40*
444707 H	71' to 72'3"	15"	0.010*	0.52*	0.04*	0.04*
444712 H	108' to 113'	60"	0.008*	0.57*	0.09*	0.09*
	12.17% of 113'	165"	0.020	1.29	0.25	1.02
DDH-90-8						
444715 H	31'4" to 33'	20"	0.006*	0.58*	0.07*	0.17*
444716 H	33' to 38'	60"	0.008*	0.43*	0.07*	0.19*
444718 H	105'10" to 108'9"	35"	0.163	17.82	1.15	4.27
444724 H	128' to 133'6"	66"	0.013*	0.11*	0.03*	0.17*
444725 H	133'6" to 136'6"	36"	0.032	0.88	0.15*	0.39*
444726 H	136'6" to 139'9"	39"	0.011*	0.83*	0.19*	0.63*
444733 H	153' to 153'3"	3"	0.219	10.77	0.25*	0.12*
444735 H	157' to 160'	36"	0.007*	0.17*	0.02*	0.06*
	15.36% of 160'	295"	0.033	2.61	0.21	0.73
DDH-90-9						
444737 H	26'1" to 29'	35"	0.144	18.26	2.34	3.25
444738 H	29' to 30'8"	20"	0.027*	0.44*	0.08*	0.12*
444739 H	30'8" to 31'10"	14"	0.037	8.08	2.41	3.61
444740 H	73' to 77'8"	56"	0.007*	0.53*	0.28*	0.29*
444741 H	77'8" to 78'3"	7"	0.076	12.41	0.65*	0.66*
444743 H	81'10" to 84'1"	27"	0.089	10.96	1.90	2.61
444744 H	84'1" to 86'9"	32"	0.007*	0.67*	0.11*	0.44*
444745 H	86'9" to 88'2"	17"	0.051	4.84	0.38	1.68
444748 H	95'6" to 98'10"	40"	0.187	15.41	1.15	4.08
66557	104'10" to 105'3"	5"	0.212	6.45	0.78	5.30

Drill Hole/ Sample #	Depth	Width Inches	Au opt	Ag opt	Pb %	Zn %
DDH-90-9 (CONT'D)						
66558	105'3" to 109'9"	54"	0.007	3.23	0.09*	0.12*
66559	109'9' to 110'2"	5"	0.215	125.84	8.43	3.43
66560	110'2" to 113'	34"	0.011*	0.51*	0.04*	0.05*
66562	118' to 119'	12"	0.096	1.37	0.35*	0.89*
	25.07% of 119'	258"	0.062	5.94	0.84	1.47
DDH-90-10						
66565	103' to 104'2"	14"	0.017	1.65	0.66*	0.93*
66569	113'8" to 115'	16"	0.034	6.52	4.47	7.04
66571	118' to 123'	60"	0.020*	0.21*	0.03*	0.08*
66573	128' to 133'	60"	0.021*	0.56*	0.05*	0.13*
	9.40% of 133'	150"	0.022	1.16	0.57	0.92
DDH-90-11						
66578	99'8" to 101'4"	20"	0.002*	0.46*	0.04*	0.05*
66579	101'4" to 102'6"	14"	0.004*	0.13*	0.004*	0.05*
66580	102'6" to 103'	6"	0.061	5.61	2.15	4.24
66582	107' to 107'6"	6"	0.071	4.01	0.61	1.32
66583	107'6" to 108'8"	14"	0.306	18.31	2.17	5.13
	4.61% of 108'8"	60"	0.086	5.41	0.80	1.78
DDH-90-12						
66595	74'9" to 76'5"	20"	0.016	1.09	0.09	0.17
66596	76'5" to 78'	19"	0.059	0.33	0.21	0.94
66588	103' to 106'6"	42"	0.031	0.26	0.18	0.27
66591	110'3" to 110'10"	7"	0.028	3.31	0.33	0.50
	6.62% of 110'10"	88"	0.033	0.71	0.18	0.41
DDH-90-13						
6117	25'10" to 30'4"	54"	0.036	19.53	4.65	2.70
6119	31'3" to 33'	21"	0.026	2.05	0.74	1.14
6121	58' to 63'	60"	0.005	0.58	0.01	0.36
6123	75'2" to 75'11"	9"	0.024	3.17	0.44	0.58
6124	75'11" to 80'3"	52"	0.006	3.43	0.36	0.81
6125	80'3" to 80'8"	5"	0.085	13.41	2.11	3.02
6127	85' to 86'9"	21"	0.124	15.51	1.23	1.79
6130	96'8" to 98'	16"	0.094	3.62	2.19	3.16
6132	101'4" to 102'10"	18"	0.121	13.58	1.97	3.97
6135	113' to 114'	12"	0.011	0.94	0.11	0.49
6139	125'1" to 126'8"	19"	0.040	8.07	1.74	2.85
6141	128' to 131'	36"	0.010	1.05	0.25	0.43
6142	132' to 133'	12"	0.013	0.71	0.19	0.71
	20.99% of 133'	335"	0.034	6.70	1.32	1.48
Summary	11.58%		0.039	5.42	0.72	1.15
	100%		0.005	0.63	0.08	0.13

TABLE II : Mineralized Intersection Summary (Drill Holes 90-1 to 90-13)

Drill Hole	Depth	Width Feet	Au opt	Ag opt	Pb %	Zn ^a %	Au+Ag ^a \$/ton
DDH-90-1	84' to 89'	5.0	0.029	1.55	0.17	0.27	
	93'7" to 94'10"	1.25	0.015	0.49	0.11	0.25	
	106'9" to 108'	1.25	0.009	0.86	0.22	0.66	
	6.94% of 108'	7.5	0.023	1.26	0.17	0.33	15.50
DDH-90-2	77'3" to 83'	5.75	0.019	1.98	0.23	0.41	
	87'5" to 88'3"	0.83	0.097	2.95	0.74	0.79	
	7.46% of 88'3"	6.58	0.029	2.10	0.29	0.46	22.10
DDH-90-3	32'10" to 33'4"	0.5	0.018	1.03	0.07	0.19	
	89'9" to 93'	3.58	0.052	4.68	1.59	3.19	
	129'6" to 136'5"	6.92	0.040	4.82	0.33	0.80	
	8.06% of 136'5"	11.0	0.043	4.60	0.73	1.55	40.20
DDH-90-4	37' to 43'4"	6.33	0.024	0.84	0.11	0.48	
	98' to 98'5"	0.42	0.031	0.86	0.09	0.13	
	113'4" to 116'8"	3.33	0.033	0.89	0.15	0.23	
	8.64% of 116'8"	10.08	0.027	0.86	0.12	0.38	15.10
DDH-90-5	27' to 34'2"	7.17	0.029	1.47	0.46	1.26	
	40'9" to 43'	2.25	0.014	0.79	0.01	0.08	
	77'6" to 80'7"	3.08	0.042	7.06	0.90	1.61	
	97' to 103'	6.0	0.102	31.01	2.07	5.95	
	110'2" to 125'1"	14.92	0.026	15.04	1.37	0.80	
26.72% of 125'1"	33.42	0.041	13.30	1.17	1.85	82.90	
DDH-90-6	83' to 88'	5.0	0.015	0.79	0.15	0.32	
	98' to 103'	5.0	0.006	0.28	0.06	0.21	
	9.71% of 103'	10.0	0.011	0.54	0.11	0.27	7.10
DDH-90-7	26'4" to 34'6"	8.17	0.027	1.22	0.30	1.62	
	70' to 72'3"	2.25	0.013	2.33	0.26	0.20	
	108' to 113'	5.0	0.008	0.57	0.09	0.09	
	13.65% of 113'	15.42	0.019	1.17	0.23	0.92	13.45
DDH-90-8	31'4" to 38'	6.67	0.008	0.47	0.07	0.18	
	105'10" to 108'9"	2.92	0.163	17.82	1.15	4.27	
	123' to 143'	20.00	0.013	0.34	0.07	0.21	
	153' TO 160'	7.0	0.014	0.49	0.02	0.04	
	22.87% of 160'	36.59	0.024	1.79	0.15	0.50	18.55

^aAll grades are weighted averages and include some lower grade values converted from ppm or ppb.

^aBased on \$400(CDN) per ounce gold and \$5(CDN) per ounce silver.

Drill Hole	Depth	Width Feet	Au opt	Ag opt	Pb %	Zn %	Au+Ag \$/ton
DDH-90-9	25'4" to 31'10"	6.5	0.065	9.77	1.51	2.14	
	73' to 88'2"	15.17	0.022	2.87	0.45	0.74	
	95'6" to 119'	23.5	0.043	5.49	0.37	0.82	
	37.96% of 119'	45.17	0.039	5.23	0.56	0.98	41.75
DDH-90-10	103' to 104'2"	1.17	0.017	1.65	0.66	0.93	
	113'8" to 115'	1.33	0.034	6.52	4.47	7.04	
	118' to 123'	5.0	0.020	0.21	0.03	0.08	
	128' to 133'	5.0	0.021	0.56	0.05	0.13	
	9.40% of 133'	12.50	0.022	1.16	0.57	0.92	14.60
DDH-90-11	99'8" to 108'8"	9.0	0.048	3.07	0.45	1.01	
	8.28% of 108'8"	9.0	0.048	3.07	0.45	1.01	34.55
DDH-90-12	74'9" to 78'	3.25	0.037	0.72	0.15	0.55	
	103' to 110'10"	7.83	0.017	0.38	0.11	0.16	
	10.00% of 110'10"	11.08	0.023	0.48	0.12	0.27	11.60
DDH-90-13	25'10" to 30'4"	4.5	0.036	19.53	4.65	2.70	
	31'3" to 33'	1.75	0.026	2.05	0.74	1.14	
	75'2" to 80'8"	5.5	0.014	3.36	0.50	0.94	
	85' to 86'9"	1.75	0.124	15.51	1.23	1.79	
	96'8" to 102'10"	6.17	0.050	4.35	0.97	1.66	
	118' to 132'	14.0	0.011	1.52	0.29	0.51	
	25.50% of 132'	33.67	0.029	5.50	1.10	1.18	39.10
Summary	14.93% to depth		0.031	4.48	0.56	0.95	34.80
	100%		0.005	0.70	0.09	0.15	5.42

5.0 CONCLUSIONS

The recent diamond drilling program was successful in determining that zinc + lead + silver + gold mineralization extends to the north and east of the existing known mineralization at the Imperial Pit and underground workings and remains open to the north, south and west.

All drill holes encountered mineralization, with the best intersections in holes 90-3, 90-5, 90-9 and 90-13 collared northeast of the Imperial Pit area. The weighted average grades across exploitable intersections and representing 14.93% of drill footage to the base of mineralization are 0.031 opt gold, 4.48 opt silver, 0.56% lead and 0.95% zinc. Mineralization decreases to the east of the these holes in the area holes 90-18, 19, 20, 21, and 22.

Insufficient data are available to determine whether a commercially exploitable ore body is present while the extent of mineralization is open in all directions surrounding the first phase drilling area.

6.0 RECOMMENDATIONS

In order to block out additional zinc + lead + silver + gold mineralization and to estimate tonnage and grade of the Imperial deposit an additional 2,000 meters (6,000 ft) of drilling are required.

Due to the flat lying nature of the mineralization, vertical dipping holes are suitable and will simplify tonnage estimates. The depth to the base of mineralization is on the order of 40 meters (130 ft) in the area of DDH 90-5 and 90-9, but is deeper as the drilling extends to the east and is expected to shallower be shallower to west of Imperial pit area. It is estimated that the recommended program will result in an additional 30 drill holes with an average depth of between 60 meters (200 feet).

The Phase II drilling program would require approximately \$289,000 in direct exploration funding.

6.1 Projected Cost Breakdown - Silver Dawn Project Phase II Diamond Drilling

The costs for carrying out the exploration program as recommended are estimated as follows:

Diamond Drilling

Pad Construction and Access	15,000
Mob/Demob	10,000
3,000 meters (10,000 ft) of NDB Drilling @ \$80/meter	160,000

Logistics

Food and Accommodation - avg. 2 men for 70 days	16,000
Transportation - 1vehicle for 80 days	3,500
Supplies and Equipment	5,000

Supervision and Geological Support

Engineer - 10 days @ \$500/day	5,000
Geologist - 80 days @ \$250/day	20,000
Assistant - 80 days @ \$150/day	12,000
Assays, Surveys, etc.	12,000

Report Preparation	5,000
--------------------	-------

Contingencies @ approximately 15%	37,500
-----------------------------------	--------

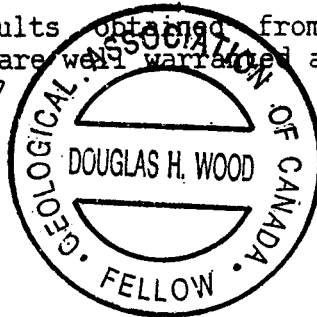
TOTAL ESTIMATED COST	\$ 289,000
----------------------	------------

In view of the encouraging results obtained from the recent drilling program these additional expenditures are well warranted at the present time.



Douglas H. Wood, B.Sc. FGAC
Consulting Geologist

January 10, 1991



APPENDIX A - CERTIFICATE OF QUALIFICATIONS

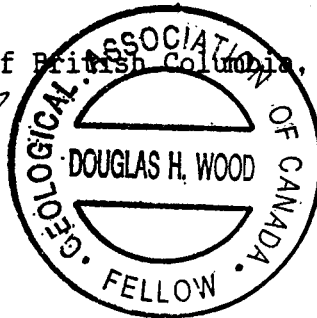
I Douglas H. Wood of the city of Vancouver in the Province of British Columbia do hereby certify as follows:

1. I am a consulting geologist based in Vancouver, B.C. and have active in mineral exploration since 1977.
2. I graduated from the University of British Columbia in 1981 with a Bachelor of Science degree in Geological Sciences and spent a further year at the post-graduate level at the University of B.C.
3. I am a fellow in good standing of the Geological Association of Canada (F4594).
4. I oversaw the drilling program detailed in this report during the period between May 7 and October 15, 1990.
5. I have no interest, contingent or otherwise in the Silver-Dawn property nor in the securities of Rock Creek Resources Ltd. or Silver Falls Resources Ltd.

Dated at Vancouver, Province of British Columbia, this 10th day of January, 1991.

Douglas H. Wood

Douglas H. Wood, B.Sc., FGAC
Consulting Geologist



APPENDIX B - DIAMOND DRILL LOGS

ULTRALINE MINING SERVICES INC. : DDH 90-1

PROPERTY SILVER-DAWN GROUP

HOLE No. DDH-90-1

Grid Location: 21+09N-2+61W Bearing: 100° Azimuth Total Depth: 323'
 Date Begun: May 7, 1990 Elev. Collar: 2028' (618m) Logged By: D.H. Wood, B.Sc.
 Date Finished: May 11, 1990 Collar Dip: -48° Core Size: NQ

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
0' to 13'	Casing							
13' to 28'	Fractured orange weathering carbonate with mariposite rich sheared zones and quartz-carbonate stringers increasing toward end of interval.							
28' to 57'	Grey carbonate with increasing pyrite grain size and content toward end of interval. Pyrite (<1%) associated with stringer veins.							
57' to 63'	Darker green carbonate, fractured and brecciated with very fine grained black sulfides (?) beginning at 58'. 60' to 61' is light grey/green breccia zone perpendicular to the core with approximately 1% to 3% very fine grained sulfides . 61' to 62' is darker breccia with <2% very fine grained sulfides. After 60' are siliceous pods and lenses.	55466 G	60'	10.5"	(6)	(0.2)	(3)	(4)
63' to 71'	Light grey carbonate with green patches in breccia with sulfides ranging from 2% to 4%.							
71' to 76'	Varying from light grey/green to darker grey/green with sericite and 1% to 3% sulfides. Sulfides decreasing toward end of interval.							

Douglas H. Wood

ULTRALINE MINING SERVICES INC. : DDH 90-1

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
76' to 92'	Dark grey/green carbonate becoming darker and highly sheared toward end of interval. Sulfides 1% to 2%.							
92' to 104'	Transition from carbonate to black breccia with milky quartz fragments. Sulfides increasing to approximately 2 to 4%.	55467 G	83'	12"	.006* ²	0.08*	(55)	(261)
104' to 108'7"	Dark grey to black breccia with green patches (mariposite) interspersed with lighter grey/green silicified carbonate. Sulfides ranging from 2% to >10%. Interval sampled by separating dark breccia from lighter breccia and other material. Breccias look similar but larger fragments to "Black Lead" breccia seen in pit exposures and underground.	55468 G 55469 G 55470 G 55471 G 55472 G 55473 G 55474 G 55475 G 55476 G	84' 85'9" 87'8" 89' 89'7" 90'7" 93'7" 94'10" 97'8"	21" 23" 16" 7" 12" 36" 15" 34" 12"	.077 .002* .004* (2) (19) (9) .015* (38) (17)	3.94 0.24* 0.28* 0.05* 0.24* 0.13* 0.49* 0.14* 0.10*	0.43 0.05* (137) (9) (75) (14) 0.11* (136) (207)	0.63 0.14* (219) (22) (132) (55) 0.25* (160) (152)
108'8" to 102'9"	Light grey/green carbonate less brecciated than before with wisps of darker material (sulfides ?) and mariposite. Sulfides approx. 1% to 2%.	55477 G	98'8"	50"	(54)	0.11*	(344)	(388)
102'9" to 103'	3" shear zone in dark green serpentine with >3% dark grey to black sulfides.	55478 G	102'9"	3"	.027	0.91	0.37	0.65
103' to 106'9"	More competent sheared material with mariposite as swirls. Fracturing at 105' accompanied by 1" massive sulfide vein at 45° to core. Dark grey swirls and stringers to end of interval.	55479 G	103'	45"	(17)	(2.9)	(91)	(180)

ULTRALINE MINING SERVICES INC. : DDH 90-1

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
106'9" to 108'	Mariposite rich section with 1" pyrite + sphalerite + galena vein at 30° to core. Sulfides <1% surrounding vein.	55480 G	106'9"	15"	.009	0.86	0.22	0.66
108' to 115'	Broken dark green section for 2' then light green fractured core to 112½'. At 112½' is 6" breccia zone with footwall sulfide vein. After 112½' is dark grey transition zone with <1% sulfides.	55481 G 55482 G	108' 112'2"	50" 10"	(8) (11)	(1.8) (2.2)	(7) (21)	(19) (26)
115' to 123'	Poorly mineralized light green breccia and carbonate with broken soft core becoming darker toward end of interval. Sulfides <1%.							
123' to 166'6"	Dark green volcanic or altered fine grained mafic intrusive with minor fine grained disseminated pyrite and quartz stringers. At 166' is 6" gouge at 90° to core.							
166'6" to 203' Box 12 Box 15	Dark grey to black dense core with disseminated medium grained pyrite and possibly very fine grained black sulfides 3%+ as sooty material in matrix. Quartz stringers common at 45° to core. Black material looks like argillite.							
203' to 223' Box 16	Brecciated black and light green somewhat siliceous material becoming more siliceous to end of interval. Black material has >3% sulfides.	55465 G	219'	6"	.001	.01	.01	.01
223' to 236' Box 17	Black and grey argillite somewhat silicified with minor mariposite.							

ULTRALINE MINING SERVICES INC. : DDH 90-1

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
236' to	Dark unmineralized							
261'	brecciated(?) argillite to							
Box 18 to	240' then grey/green to 253.							
Box 19	Argillite with grey and green							
	horizons to end of interval.							
	Mariposite rich with heavy							
	sulfides for 6" at 254'.							
	Lighter sulfides after 255'.							
261' to	Green tuffaceous material							
276'	with darker streaks (sulfides							
	?). Sulfides <1% in lighter							
	material.							
276' to	Light green tuff after 2'							
302'	gouge at shear zone (302').							
	Sulfides <1%.							
302' to	Medium to dark greenstone							
323'	with minor pyrite. Fractured							
Box 24	core.							

END OF HOLE 90-1 AT 323 FEET.

1. Au and Ag in opt, Pb and Zn in % except when in parentheses when Au in ppb and Ag, Pb and Zn in ppm.

2. Values with '*' are converted from ppb or ppm geochemical data.

ULTRALINE MINING SERVICES INC. - DDH 90-2

PROPERTY SILVER-DAWN GROUP

HOLE No. DDH-90-2

Grid Location: 21+09N-2+61W Bearing: 100° Azimuth Total Depth: 333'
 Date Begun: May 12, 1990 Elev. Collar: 2028' (618m) Logged By: D.H. Wood, B.Sc.
 Date Finished: May 15, 1990 Collar Dip: -70° Core Size: NDB

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn ¹
0' to 10'	Casing							
10' to 74'4"	Alternating grey and light green carbonate. Grey material approx. 2% Sulfides.	55483 G	67'10"	24"	(1)	(0.1)	(2)	(13)
Box 1 to Box 5	Light green material negligible sulfides with minor mariposite. More brecciated/sheared material tends to be green. Core fairly broken and weathered from 10' to 28'. Pyrite cubes in grey material 2 to 3 mm diameter. Heavy mariposite for 2' at 68'.	55484 G	69'10"	54"	(1)	(0.2)	(2)	(12)
74'4" to 88'3"	Becoming brecciated with more numerous quartz stringer veins at. Black breccia with massive sulfides starts at 77'3". Lighter breccia (2" to 4" wide) at 78'4", 79½', 82' and 83' where sulfides <5%. Heavier sulfide breccia generally with >10% sulfides in siliceous matrix. Sulfides are sphalerite + pyrite + galena. Quartz fragments average approx. ¼ inch. Contact with carbonate at the H.Wall at 70° to core. Sulfides <3% from 84'4" to 88'. Approx. 10" black breccia at 87'5". Breccia ends abruptly at 88'3" with contact at 70° to core.	55485 G	74'4"	35"	(1)	(0.5)	(4)	(15)
Box 6		55486 G	77'3"	13"	.062	2.60	0.35	0.73
		55487 G	78'4"	52"	.010	1.83	0.22	0.34
		55488 G	83'	16"	.003*	0.26*	(432)	(499)
		55489 G	84'4"	11"	(19)	0.09*	(21)	(22)
		55490 G	85'3"	26"	(26)	0.08*	(18)	(39)
		55491 G	87'5"	10"	.097	2.95	0.79	0.79

Douglas H. Wood

ULTRALINE MINING SERVICES INC. - DDH 90-2

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
88'3" to -90'	Light green sheared mariposite bearing carbonate with 6" fault gouge at end of interval.	55492 G	88'3"	16"	(1)	(0.9)	(4)	(26)
90' to 128' Box 6	Light to medium green volcanic with <1% sulfides with occasional quartz stringers and narrow unmineralized shear zones at 50° to 80° to core. Approx 2% pyrite + chalcopyrite(?) for 12" at 122'. 6" fault gouge at 90' and 94.5'. Serpentine for 2' in shear zone at 101'.							
128' to -156'	Light green tuffaceous material with speckles of mariposite (?) and <1% sulfides. Pyritic quartz vein at 135'4" (5" wide). Increased brecciation and shearing at end of interval with negligible sulfides.	55493 G 55494 G 55495 G	134'4" 135'4" 135'9"	12" 5" 10"	(1) .005* (2)	(0.4) 0.17* 0.03*	(25) (29) (12)	(43) (14) (19)
156' to 173'	At 156 is 4" unmineralized quartz filled breccia at argillite contact (60° to core). Argillite is fairly sheared in appearance with swirls of lighter material (quartz and calcite). Pyrite as dissemination approx. 2% to 3%. Sooty black material in fractures (graphite ?).							
173' to 175'	Light grey and green tuffaceous(?) greenstone with negligible sulfides.							
175' to 179'	Brecciated argillite (?) with approx. 2% sulfides.							

ULTRALINE MINING SERVICES INC. - DDH 90-2

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
179' to 216'	Light green and minor light grey tuffaceous rocks with occasional wispy dark pyritic streaks at 30° to core. Chlorite common in micro shears. Gouge at 191' (10"), 199' (4") and at 216' (6"). Chloritic darker green section from 200' to 216'. Approx. 2% sulfides at 300' (6").							
216' to 253'	Light green tuffaceous volcanic with negligible sulfides.							
253' to 333'	Alternating light grey/green tuffs and greenstone. Minor pyrite and shearing with occasional gouge zones.							

END OF HOLE 90-2 AT 333 FEET.

1. Au and Ag in opt, Pb and Zn in % except when in parentheses when Au in ppb and Ag, Pb and Zn in ppm.
2. Values with '*' converted from ppm or ppb geochemical data.

ULTRALINE MINING SERVICES INC. - DDH 90-3

PROPERTY SILVER-DAWN GROUP

HOLE No. DDH-90-3

Grid Location: 21+06N 1+87W Bearing: 220° Azimuth Total Depth: 400 ft.
 Date Begun: May 19, 1990 Elev. Collar: 2090 ft. Logged By: D.H. Wood, B.Sc.
 Date Finished: May 29, 1990 Collar Dip: -68° Core Size: NDB

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn ¹
0' to 20'	Casing in overburden.							
20' to 24'	Broken, rusty, mixed rock types. Most likely regolith.							
24' to 32'	Brecciated and sheared silicified carbonate. Becomes less rust stained with depth. Shearing approx. 70° to core. Minor sulfides with mariposite at end of interval.							
32' to 33'11"	Quartz vein at 45° to core for 2.5" at 32' then 8" of green breccia followed by 6" of black breccia with quartz fragments and >10% sulfides as very fine grained matrix (Black Lead). Remainder of interval (approx. 7") is dark green serpentine with numerous quartz stringers and approx 2% fine grained pyrite and galena.	55496 G 55497 G 55498 G	32' 32'10" 33'4"	10" 6" 7"	(9) .018 (45)	(0.1) 1.03 (4.8)	(7) 0.07 (2)	(8) 0.19 (62)
33'11" to 73'	Altered volcanic? greenstone serpentized in places with generally >1% sulfides. At 46' is a 3" quartz vein with no sulfides. Mariposite or similar appearing mica as small specks from 52' to 54'. Quartz stringers at various attitudes common. Hematite in fractures at 59'.	55499 G	59'10"	6"	(1)	(0.2)	(2)	(62)

Douglas H. Wood

ULTRALINE MINING SERVICES INC. - DDH 90-3

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
93'4" to 98'	Light green and grey silicified carbonate with approx. 1% disseminated whitish pyrite and chalcopyrite. Also approx. 1% black fine grained material (sulfide or chromite). Mariposite as disseminated specks. Greater mariposite toward end of interval for last 2 feet.	19958	93'4"	56"	(42)	(3.5)	(14)	(61)
98' to 105'	Light grey and green brecciated and silicified carbonate with approx. 1% sulfides and mariposite. Includes 4" of black breccia at 98'. Numerous quartz and calcite stringers.	19959 19960 19961	98' 98'4" 102'6"	4" 50" 30"	.014* (32)	.3* (1.0)	(745) (2)	(2017) (20) (16)
105' to 117'	Medium grey poorly silicified carbonate with >1% disseminate white pyrite. Minor calcite and quartz stringers.	19962	105'	144"	(2)	(0.5)	(5)	(20)
117' to 121'	Medium green carbonate with streaks of mariposite parallel to shear fabric at 35° to core. Increasing silicification and sulfides to end of interval (approx. 1 to 2%).	19963	117'	48"	(37)	(1.0)	(20)	(51)
121' to 123'4"	Mariposite rich moderately silicified carbonate with fractured quartz veins and black breccia. Approx. 5% sulfides.	19964	121'	28"	(91)	(7.3)	(31)	(367)

ULTRALINE MINING SERVICES INC. - DDH 90-3

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
123'4" to 126'	Green mariposite rich silicified and sheared (fabric at 70° to core) carbonate 2 to 3% sulfides as wisps parallel to shearing. Sulfides include white and brassy pyrite.	19965	123'4"	32"	(21)	(5.6)	(29)	(24)
126' to 126'8"	Black pyritic serpentine with approx. 5% or more disseminated cubic brassy pyrite.	19966	126'	8"	(32)	(4.7)	(13)	(45)
126'8" to 128'	Green mariposite rich silicified and sheared (fabric at 70° to core) carbonate 2 to 3% sulfides as wisps parallel to shearing. Sulfides include white and brassy pyrite.	19967	126'8"	16"	(4)	(1.3)	(6)	(5)
128' to 128'8"	Dark green to black serpentine moderate silicification and mariposite. 1% or less total sulfides.	19968	128'	8"	(3)	(1.3)	(22)	(20)
128'8" to 129'6"	Light grey carbonate with green mariposite patches. Poorly to moderately silicified and >1% sulfides.	19969	128'8"	10"	(2)	(3.5)	(38)	(6)

ULTRALINE MINING SERVICES INC. - DDH 90-3

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
129'6" to -130'2"	Banded quartz-sulfide vein with 10 to 15% sulfides. Sulfides include in order of quantity, brassy pyrite + brown sphalerite + bluish galena + AgS (most likely stephanite Ag_3SbS_4). The silver sulfide occurs with galena and alone in the center of the vein as bladed dull silver mineral with fractures or cleavage perpendicular to the blades. The hanging wall is fine grained massive pyrite for approx. 1/3" and the footwall is sulfide and mariposite rich carbonate for 3". Also note pyrargarite (ruby silver)	19970	129'6"	8"	.339	45.49	1.74	5.84
130'2" to 132'2"	Grey well silicified and sheared carbonate with green mariposite bearing patches and dark grey and black sulfide wisps. Coarse disseminated brassy pyrite approx. 2%. Shear fabric at 45° to core.	19971	130'2"	24"	.007*	0.56*	0.11*	0.09*
132'2" to 133'	Grey and black silicified sulfide breccia with >7% sulfides (pyrite + Sphalerite + galena). Rusty, vuggy narrow quartz vein at 132'10".	19972	132'2"	10"	.029	1.47	0.69	1.01
133' to 136'	Silicified and sheared carbonate disseminated and fracture filling dull brassy pyrite. Mariposite at beginning and end of interval as streaks parallel to shear fabric (approx. 60 to 70°). Black streaks are sulfides or chromite.	19973	133'	36"	(.26)	(6.9)	(138)	(63)

ULTRALINE MINING SERVICES INC. - DDH 90-3

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
136' to -136'5"	Coarse black breccia with >7% combined sulfides. Mariposite rich.	19974	136'	5"	.019	1.46	0.71	1.44
-136'5" to 137'1"	Fea green breccia with dark green poorly silicified matrix. Fine grained disseminated pyrite and galena in matrix approx. 2%. Fine grained orange vitreous mineral approx. 1%. Very fine grained brassy sulfide(?).	19975	136'5"	8"	(23)	(4.9)	(239)	(379)
-137'1" to 139'2"	Silicified light grey and green sheared carbonate. Green as wispy patches parallel to shear fabric at 45° to 60° to core. Contact at 139'2" with serpentinized greenstone at 60° to core.	19976	137'1"	25"	(72)	(1.9)	(57)	(5)
139'2" to 193'	Green stone with serpentinized shear fractures. Competent core with good recovery. Sulfides <1%.							
193' to 208'	Intensely sheared greenstone in part serpentinized. Broken core. Contact at 193 at 30° to core.							
208' to 213' Box 14	Light to medium grey argillite with carbonate stringers and wisps of darker material giving the rock a turbated appearance. Approximately 1 to 2% fine grained pyrite. Type sample collected.	19977	209'	12"	(1)	(0.4)	(25)	(115)
213' to 218' Box 15	Following clay gouge at 213' is black graphitic argillite with approx. 2 to 3% coarse pyrite. Type sample collected.	19978	217'	12"	(12)	(0.4)	(15)	(71)

ULTRALINE MINING SERVICES INC. - DDH 90-3

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
218' to 223'	Dark grey fractured and brecciated for first 7" then fractured greenstone with quartz and calcite stringers. Approx. 2%+ pyrite.	19979	218'	60"	(2)	(0.6)	(21)	(118)
223' to 225' Box 16	Increasing silicification in green-stone with black sooty brecciated sections (not the same as black leads). Pyrite only visible sulfide at 1 to 3%.	19980	223'	24"	(6)	(0.4)	(27)	(114)
225' to 234'8"	Silicified greenstone with dark patches and occasional quartz stringers. Approximately 1 to 3% disseminated brassy pyrite. Type sample collected.	19981	225'	24"	(11)	(0.2)	(15)	(97)
234'8" to 237'6" Box 17	Sheared greenstone with minor serpentization. Minor quartz stringers but no silicification and <1% sulfides.							
237'6" to 378'	Very fine grained recrystallized partially silicified greenstone. Almost cherty appearance with few relic textures. Probably tufaceous. Quartz eyes in silicification at 306'. Type samples collected at 306' and 366'. Generally less than 1% disseminated cubic pyrite and as very fine grained fracture filling.	19982 19983	306' 366'	24" 24"	(5) (5)	(0.1) (0.1)	(12) (13)	(71) (111)

ULTRALINE MINING SERVICES INC. - DDH 90-3

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
378' to 400'	Fractured broken poorly silicified tufaceous greenstone. Brecciated and poorly sealed. Minor darker patches with what appears to be very fine grained pyrite. Approx. 1% pyrite.	19984	378'	60"	(14)	(0.1)	(6)	(98)

End of Hole at 400 Ft.

1. Au and Ag in opt, Pb and Zn in % except when in parentheses when Au in ppb and Ag, Pb and Zn in ppm.

2. Values with '*' converted from ppm or ppb geochemical data.

ULTRALINE MINING SERVICES INC. : DDH 90-4

PROPERTY SILVER-DAWN GROUP

HOLE No. DDH-90-4

Grid Location: 21+06N 1+87W Bearing: 220° Az. Total Depth: 253 ft.
 Date Begun: May 29, 1990 Elev. Collar: 2090 ft. Logged By: D.H. Wood, B.Sc.
 Date Finished: June 3, 1990 Collar Dip: -45° Core Size: NDB

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn ²
0' to 23'	Casing							
23' to 26'8"	Orange weathered sheared carbonate with <1% sulfides. Shear fabric at 60° to core.							
26'8" to 28'	Black pyritic serpentine with patches of orange weathered carbonate.							
28' to 33'	Silicified and sheared light greenish carbonate with orange weathering at fractures. Brecciated appearance in places.							
33' to 37' Box 2	Increasingly brecciated and mineralized light greenish silicified carbonate with increasing sulfides as fracture fillings and disseminations (approx. 1 to 3%).	19985	33'	48"	(.42)	(1.9)	(.43)	(.20)
37' to 42'	Mariposite bearing sheared and silicified carbonate with wisps of sulfides parallel to shearing fabric at 45° to 60° to core. Galena visible with pyrite with total sulfides 2 to 3%. Coarser sphalerite + pyrite + galena in 1/4" vein at 40.5'.	19986	37'	60"	.008	0.87	0.10	0.21

Douglas H. Wood

ULTRALINE MINING SERVICES INC. : DDH 90-4

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
42' to 43'4" Box 3	Banded quartz-sulfides as veins and streaks. Quartz with pyrite at H.Wall then increasing galena and sphalerite. At 43' is 1/2" quartz vein with Sphalerite + Galena + Stefanite. Sulfides decrease after 42'. Veins at 45° to core.	19987	42'	16"	.087	0.72	0.14	1.48
43'4" to 47'	silicified and somewhat rust stained carbonate with quartz stringers and approx. 1% or less sulfides as very fine grained pyrite as wisps and fracture fillings.	19988	43'4"	44"	(26)	(0.5)	(16)	(74)
47' to 50'	Buff/grey silicified carbonate with 1 to 2% disseminated brassy pyrite.							
50' to 77'	Medium green silicified greenstone(?) grading darker after 53'. Pyrite generally less than 1%. Minor mariposite as disseminated specks. more intense silicification at 70' and 77'. At 96' is irregular unmineralized quartz vein parallel to the core for 1'.							
97' to 99'	Increasing silicification to 98' then quartz pyrite vein for 5". H.Wall has moderate mariposite. Pyrite decreases for 4" at F.Wall. Sulfide 1% in H.Wall, 3% in F.Wall and 10% in vein.	19989 19990 19991	97' 98' 98'5"	12" 5" 7"	(27) .031 (78)	(1.1) 0.86 (4.3)	(21) 0.09 (63)	(78) 0.13 (148)
99' to 105'	Unsilicified poorly mineralized light grey and grey/green almost talcy greenstone(?) with minor mariposite as disseminated specks and <1% pyrite.							

ULTRALINE MINING SERVICES INC. : DDH 90-4

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
105' to 113'	Dark green altered fine grained gabbro(?). Minor hematite for 1' at 108'. Somewhat lighter green with quartz stringers and silicification and poorly preserved relic textures after 110'. Last 1.5' is light green sealed breccia. <1% sulfides.	19992	110'	36"	(5)	(0.2)	(13)	(37)
113' to 118' Box 8	Silicified carbonate after fractured and sealed contact for 4" at 113'(Approx. 1% sulfides). At 113'4" is banded quartz sulfide vein for 5" with Sphalerite + Galena + Stefanite (7% total). At 114'8" is 8" is sulfide rich black quartz breccia with Sphalerite + galena (7%). At 116'2" is black breccia similar to 114'8" but with much less sulfides (<5%). Mariposite rich throughout interval but greater in breccias.	19993 19994 19995 19996 19997 19998 19999	113' 113'4" 113'9" 114'8" 115'4" 116'2" 116'8"	4" 5" 11" 8" 10" 6" 16"	(19) .029 .007 .125 .003* .009* (42)	0.04* 1.11 1.02 1.18 0.50* 0.73* 0.08*	(34) 0.27 0.06 0.42 (144) (767) (25)	(102) 0.26 0.23 0.62 (235) 0.14* (68)
118' to 138' Box 9	Non-silicified carbonate with minor mariposite and <1% sulfides.							

ULTRALINE MINING SERVICES INC. : DDH 90-4

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
138' to 149'	Green brecciated carbonate with 2% sulfides as disseminations and in breccia zones and fractures. Breccia fragments are quartz and carbonate with a greater fraction of quartz where mineralized. Shear fabric at 45° to core. The last 12" of the interval is a serpentized shear zone.	44601 H 44602 H	138' 148'	60" 72"	(159) (50)	(2.1) (0.4)	(152) (4)	(227) (17)
149' to 158'	Medium green carbonate with brown mottling probably due the presence of iron rich carbonate. Sulfides <1%. Type sample collected.	44603 H	152'	8"	(152)	(0.5)	(4)	(6)
158' to 170'	Moderately silicified carbonate with minor green breccia and <1% sulfides. Black serpentine for 3" at 162'. Last 8" at 169' are sealed contact breccia with underlying greenstone. Minor mariposite at contact.							
170' to 248'	Fine grained recrystallized greenstone with few relic textures. 1% or less sulfides throughout interval. Quartz stringers in fractures minor at 45 to 90° to core. Minor mariposite for 2' at 181'.							
248' to 253'	Siliceous black to dark grey graphitic argillite.							

END OF HOLE 90-4 AT 253 FEET.

1. Au and Ag in opt, Pb and Zn in % except when in parentheses when Au in ppb and Ag, Pb and Zn in ppm.

2. Values with '*' converted from ppm or ppb geochemical data.

ULTRALINE MINING SERVICES INC. - DDH 90-5

PROPERTY SILVER-DAWN GROUP

HOLE No. DDH-90-5

Grid Location: 21+06N 1+87W Bearing: 220°Az.(Drill) Total Depth: 388 ft.
 Date Begun: June 3, 1990 Elev. Collar: 2090 ft. Logged By: D.H. Wood, B.Sc.
 Date Finished: June 7, 1990 Collar Dip: -85° @ 130°Az. Core Size: NDB

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WIDTH	Au	Ag	Pb	Zn ¹
0' to 18'	Casing.							
Box 1								
18' to 27'	Sheared and brecciated carbonate. Silicified with <2% sulfides. Shear fabric at 70° to 90° to core. ¼" calcite vein at 26.5' at 20° to core.	444604 H 444605 H	18' 23'	60" 48"	(10)	(2.1)	(2)	(14)
27' to 28'	Dark grey breccia with >5% fine dark sulfides. Mariposite rich in breccia. Poor recovery (approx. 75%).	444606 H	27'	12"	.027	4.39	0.85	2.63
28' to 32'10"	Broken greenish black serpentine for 20", then light green silicified greenstone(?) to end of interval. At 29' are quartz veins and veinlets for 4". Quartz veinlets common throughout interval. At 32'6" is light quartz matrix breccia with light green volcanic (?) fragments.	444607 H 444608 H 444609 H	28' 29'8" 32'6"	20" 35" 4"	(25) (24) (26)	(0.7) (0.4) (0.4)	(12) (14) (8)	(75) (71) (25)

Doug Lamb Wood

ULTRALINE MINING SERVICES INC. - DDH 90-5

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WIDTH	Au	Ag	Pb	Zn
32'10" to 34'2"	Banded quartz-sulfide veins with >5% combined Pyrite + sphalerite + Galena +/- Stefanite. 1st phase veins are grayish in color and parallel with pyritic sulfides and dip 70° to the core. 2nd generation veinlets cut sulfides at random angles and are white quartz. Coarser Sphalerite + Galena veins cut 1st generation quartz veins.	444610 H	32'10"	16"	.135	4.55	2.49	4.86
34'2" to 40'9"	Light green and grey silicified and recrystallized greenstone(?). Numerous quartz veinlets. 1" grey breccia at 38'.	444611 H 444612 H	34'2" 38'	46" 33"	(38) (10)	(0.9) (0.4)	(114) (30)	(198) (98)
40'9" to 43'	Fractured quartz sulfide veins in light grayish green moderately silicified greenstone(?). Two phases of quartz veining with 2nd phase cutting sulfides. Sulfides at 60° and 2nd phase unmineralized veins at 90° to core. At 40'9" is a 6½" quartz-pyrite vein with approx. 5% sulfide. Another similar 4½" vein at 42'6".	444613 H 444614 H	40'9" 41'4"	7" 14"	.025 (80)	2.92 (0.6)	0.04 (16)	0.31 (46)
Box 2 to Box 3	42'6"	444615 H	42'6"	6"	.030* ²	(3.1)	(36)	(28)
43' to 47'9"	Lightly silicified grayish greenstone(?) with numerous quartz veinlets and sulfide bands at 70° to core. 2nd generation quartz veinlets at 45° to core. Sulfides include Pyrite + Sphalerite + Galena. Total sulfides approx. 2%.	444616 H	43'	57"	(56)	(1.4)	(27)	(35)

ULTRALINE MINING SERVICES INC. - DDH 90-5

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WIDTH	Au	Ag	Pb	Zn
47'9" to 58'10" Box 3	Dark green altered gabbro(?). 12" at 49' with earthy hematite in fractures. Light green breccia zone (positive on acid test) at 57'. Sulfides <1%. Minor mariposite at end of interval.	444617 H 444618 H	47'9" 53'	63" 70"	(21) (14)	(0.1) (0.1)	(7) (5)	(77) (56)
58'10" to 63'	Very fine grained somewhat talcy greenstone grading over interval to grayish green color. Quartz veinlets as before with 2 phases. Pyrite in 1st phase veins. Sulfides approx. 1%.	444619 H	58'10"	52"	(32)	(0.2)	(5)	(33)
63' to 68'	Similar to last interval with softer more broken core and more sulfides and minor mariposite associated with narrow serpentized shear zones. Approx. 1 to 2% sulfides disseminated and in fractures. 2" quartz vein at 67' with chalcopyrite.	444620 H	63'	60"	(26)	(2.2)	(12)	(42)
68' to 73' Box 4 to Box 5	Unmineralized quartz vein (2") at 90° to core at 68' then to 69' in silicified and fractured greenstone(?). From 69' to 71' is dark greenstone(?). Last 2' is sheared dark grayish green carbonate. Sulfides approx. 3% to 69' then <1% to end of interval.	444621 H	68'	60"	(20)	(1.0)	(12)	(83)
73' to 77'6"	Greenish grey carbonate with shear fabric at 70° to core. Silicified after 76'. Contact with black mineralized breccia at 77'6"	444631 H	73'	54"	(3)	(0.9)	(8)	(69)
77'6" to 78'	Black sulfide rich breccia for 4" at 70° to core, then quartz vein for 2" at 60°.	444632 H	77'6"	6"	.018	9.18	0.88	1.62

ULTRALINE MINING SERVICES INC. - DDH 90-5

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WIDTH	Au	Ag	Pb	Zn
78' to 78'9"	Quartz vein with pyrite, chalcopyrite and mariposite (greater at end of interval). Approx. 2% combined pyrite and chalcopyrite.	444633 H	78'	9"	.007	3.25	0.08	0.07
78'9" to 79'6"	Transition to black breccia with approx. 3% combined pyrite + sphalerite + galena.	444634 H	78'9"	9"	(13)	(4.9)	(400)	(565)
79'6" to 80'7"	Black sulfide rich breccia with >7% combined sphalerite + pyrite + galena.	444635 H	79'6"	13"	.106	13.51	2.06	3.75
80'7" to 88'	Light grey and green silicified carbonate with <1% sulfides. Black disseminated specks probably chromite.	444636 H	80'7"	89"	(11)	(1.9)	(22)	(36)
88' to 95'9"	Light green silicified carbonate with chromite and mariposite and approx 1% disseminated pyrite. AT 94' is a ¼" quartz sulfide vein with sphalerite and galena. Brecciated for last 4".	444637 H 444638 H	88' 93'	60" 33"	(5) (29)	(2.0) (2.2)	(34) (61)	(66) (140)
95'9" to 96'6"	Hanging wall black pyritic serpentine for 9" then 6" of increasing brecciation. (interval 15" but recovery only 12")	444639 H	95'9"	15"	(8)	(4.0)	(6)	(48)
97' to 102'	Black mineralized breccia with >7% pyrite + sphalerite + galena + stefanite.	444622 H 444623 H 444624 H	97' 98' 100'6"	12" 30" 6"	.022 .116 .564	4.61 71.48 2.23	0.75 4.36 0.41	1.32 13.41 1.16
Box 7	Quartz vein for 4" at 100'6" with coarse stefanite. Greater silica after 100'7". Last 12" are siliceous light green breccia with 2 to 3% sulfides.	444625 H	101'	12"	.012	1.26	0.50	.26

ULTRALINE MINING SERVICES INC. - DDH 90-5

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WIDTH	Au	Ag	Pb	Zn
102' to 103'	Serpentine with quartz.	444626 H	102'	12"	.006*	0.38*	(490)	(247)
103' to 104'	Light green silicified carbonate with mariposite and approx. 3% sulfides.	444627 H	103'	12"	(56)	(5.9)	(88)	(55)
104' to 106'10"	Broken core in carbonate with 3 to 5% sulfides with serpentine, quartz and mariposite.	444628 H	104'	34"	.020*	0.61*	(823)	(936)
106'10" to 108'7"	Dark green serpentine.	444629 H	106'10"	21"	(24)	(0.5)	(5)	(56)
108'7" to 125'1"	Light green silicified carbonate. Sphalerite rich	444630 H	108'7"	17"	(31)	(0.9)	(6)	(28)
Box 8	black breccia for 6" at 111'5" at 40° to core.	444640 H	110'2"	34"	.096	5.21	0.22	1.72
	Banded pyrite at 116'1" for 8" with 3 to 5% sulfide at 45° to core includes 2" of massive brassy pyrite. Quartz vein with <1% sulfides from 116'9" to 117'6". At 119'10" is 5" black breccia with >10% Galena + sphalerite + pyrite. At 122'6" is 3.5" of black serpentine at 60 to 70° to core. At 125'1" is gouge contact with greenstone including 1" of light grey breccia on the hanging wall with <2% sulfides. Mariposite common throughout interval.	444641 H	113'	60"	.008*	2.34*	0.24*	0.30*
		444642 H	118'	60"	.014	39.43	3.72	1.10
		444643 H	123'	25"	.006*	0.35*	(332)	(549)
125'1" to 211'	Volcanic greenstone with quartz and calcite veinlets. <1% pyrite.							
211' to 246'	Dark grey and black graphitic argillite with quartz and calcite veinlets. Pyrite up to 2% but generally <1% to 1%.							

ULTRALINE MINING SERVICES INC. - DDH 90-5

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WIDTH	Au	Ag	Pb	Zn
246' to 282'	Interbedded pyroclastic greenstone (or mylonite) and grey silty argillite. Argillite with approx. 2% pyrite and greenstone <1%.							
282' to 388'	Greenstone with chert and minor argillite.							

END OF HOLE 90-5 AT 388 FT.

1. Au and Ag in opt, Pb and Zn in % except when in parentheses when Au in ppb and Ag, Pb and Zn in ppm.

2. Values with '*' converted from ppm or ppb geochemical data.

ULTRALINE MINING SERVICES INC. : DDH-90-6

PROPERTY SILVER-DAWN GROUP

HOLE No. DDH-90-6

Grid Location: 21+06N-1+72W Bearing: N/A Total Depth: 168 ft.
 Date Begun: June 8, 1990 Elev. Collar: 2096 ft. Logged By: D.H. Wood, B.Sc.
 Date Finished: June 10, 1990 Collar Dip: -85°S Core Size: NDB

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn*
0' to 37'	Casing							
Box 1								
37' to 54'6"	Silicified, brecciated and sheared carbonate with shear fabric at 60° to core. At 54'4" is 2" of Black mineralized breccia at faulted contact with greenstone. Overall sulfides <1%.							
54'6" to 83'	Greenstone becoming altered and silicified from 78' to 83'. From 82' to 83' approx. 1%+ sulfides and partially serpentinized.	444644 H	82'	12"	(6)	(7.6)	(157)	(164)
83' to 116'	Silicified carbonate with approx. 1% pyrite + sphalerite (py >> sph) with shear fabric at 45 to 70°. Black mineralized breccia for 2" at contact at 83'. After breccia is 8" serpentine at 40° to core. After serpentine is sericite schist between breccia zones to 88'. From 85' to 88' sericite is pyritic with approx 2% white cubic pyrite. Light grey breccia for 2" at 85'. Quartz-sulfide vein for 3" at 87' with >5% pyrite + sphalerite + galena. Light grey lightly mineralized (1%) breccia at 96'6" for 6". Similar lightly mineralized breccia for 12" at 115'.	444645 H 444646 H 444647 H 444648 H 444649 H 444650 H 444701 H	83' 88' 93' 98' 103' 108' 113'	60" 60" 60" 60" 60" 60" 36"	.015* (22) (19) .006* (13) (5) (13)	0.79* 0.16* (3.0) 0.28* (2.2) (1.2) (2.4)	0.15* (71) (53) (618) (19) (6) (31)	0.32* (48) (84) 0.21* (36) (18) (77)



ULTRALINE MINING SERVICES INC. : DDH-90-6

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
116' to 168'	Greenstone with minor clastic fragments and <1% pyrite. Quartz veinlets at various attitudes.							

END OF HOLE 90-6 AT 168 FEET

1. Au and Ag in opt, Pb and Zn in % except when in parentheses when Au in ppb and Ag, Pb and Zn in ppm.
2. Values with '*' converted from ppm or ppb geochemical data.

ULTRALINE MINING SERVICES INC. : DDH-90-7

PROPERTY SILVER-DAWN GROUP

HOLE No. DDH-90-7

Grid Location: 21+06N-2+07W Bearing: N/A Total Depth: 203 ft.
 Date Begun: June 11, 1990 Elev. Collar: 2074 ft. Logged By: D.H. Wood, B.Sc.
 Date Finished: June 12, 1990 Collar Dip: -85° to 180° Az. Core Size: NDB

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn ¹
0' to 5'	Casing.							
Box 1								
5' to 26'4"	Silicified carbonate with shear fabric at 50° to core at 18' and at 80° to core at 22'. Serpentine for 12" at 10'. After 18' an increase in brecciation (grey and green color with low sulfide). Pyrite bleb at 23' for 1".							
26'4" to 34'6"	Fractured gougy grey recrystallized carbonate with mariposite and minor sphalerite + pyrite. Banded sulfides (sphalerite + pyrite) for 5" at 34'.	444702 H	26'4"	20"	.007* ^e	(6.4)	(177)	(244)
Box 2 to 30x 3		444703 H	28'	60"	.020	0.77	0.19	1.17
		444704 H	33'	18"	.071	3.89	0.99	4.88
34'6" to 68'	Greenstone with <1% disseminated pyrite. Hematite in fractures from 44' to 46'. Silicified from 47' to 49' with approx. 1% pyrite. Increase in quartz and calcite veinlets after 50'. Mariposite for 2" at 53'.							
68' to 73'	Grey and green recrystallized carbonate with minor mariposite and sericite. Approx. 1% very fine grained pyrite to 70'. At 70' to 71' is 3% to 5% very fine grained sulfides (pyrite + sphalerite + galena). Quartz vein at 71' to 72'3" (14") with approx. 1% fine grained galena + pyrite.	444705 H	68'	24"	(17)	(0.7)	(33)	(105)
Box 5		444706 H	70'	12"	.016	4.59	0.53*	0.40*
		444707 H	71'	15"	.010*	0.52*	(403)	(416)
		444708 H	72'3"	9"	(6)	(0.1)	(4)	(140)

Douglas A. Wood

ULTRALINE MINING SERVICES INC. : DDH-90-7

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
73' to 79'	Partially silicified and recrystallized carbonate with malposite and increasing brecciation and shear textures. Approx. 1% brassy pyrite in fractures.							
79' to 75'6"	Broken gougy recrystallized carbonate or volcanic from 79' to 82'. Reddish stain or mineral for 6" at 85' (hematite?). Heavily silicified from 86' to 87' with micro-faulted quartz veins at 30° to the core. Broken core from 90' to 91'. Calcite throughout interval and brassy pyrite from 1% to 2%.							
75'6" to 98'	Broken pyritic silicified carbonate. Gougy with clay alteration. Pyrite approx. 1% to 2%.	444709 H	95'6"	30"	(21)	(0.5)	(3)	(26)
98' to 114'	Alternating silicified and serpentinized carbonate. Quartz vein from 102' to 103'4". Hanging wall of vein below 2" of black serpentine and footwall above 1" of same. 108' to 114' is sucrose calcite in fractures. At 108' is pale green clay (?) like mineral as bleb in center of core. Similar mineral to 113'. Core broken from 113' to 114' at contact.	444710 H 444711 H 444712 H 444713 H	98' 103' 108' 113'	60" 60" 60" 12"	(9) (16) .008* .006*	(3.1) (1.7) 0.57* (1.4)	(27) (9) (915) (23)	(30) (27) (928) (35)

ULTRALINE MINING SERVICES INC. : DDH-90-7

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
114' to 203'	Greenstone, chloritic to end of hole at 203'. Epidote at 160. Relic feldspar blades approx. 2mm.							

END OF HOLE 90-7 AT 203 FEET.

1. Au and Ag in opt, Pb and Zn in % except when in parentheses when Au in ppb and Ag, Pb and Zn in ppm.

2. Values with '*' converted from ppm or ppb geochemical data.

ULTRALINE MINING SERVICES INC. : DDH-90-8

PROPERTY SILVER-DAWN GROUP

HOLE No. DDH-90-8

Grid Location: 21+06N-2+06W Bearing: 270° Az. Total Depth: 173 ft.
 Date Begun: June 13, 1990 Elev. Collar: 2074 ft. Logged By: D.H. Wood, B.Sc.
 Date Finished: June 15, 1990 Collar Dip: -65° Core Size: NDB

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn ¹
0' to 11'	Casing in overburden. Box 1							
11' to 31'4"	Sheared and silicified carbonate with shear fabric at 60° to 90° to core. Texture as in previous holes looks mylonitic. More brecciated after 27'. Light grey breccia with <1% visible sulfides from 30'4" to 31'4". Overall <1% pyrite.	444714 H	30'4"	12"	(12)	(0.8)	(21)	(37)
31'4" to 41'6"	Similar to last interval but with quartz and average 1% pyrite. At 31'4" for 5" very fine grained sulfide with mariposite and >2% pyrite including ¼" pyrite vein at the footwall at 60° to core. More mariposite rich at 32' and 37' associated with pyrite at 32' and quartz and 37'. Approx. >3% pyrite with minor sphalerite and galena for 2" at 35' and 36'. A 1.5" quartz vein at 40'6" followed by fractured and sealed contact for 12".	444715 H 444716 H	31'4" 33'	20" 60"	.006* .008*	0.58* 0.43*	(711) (676)	(1650) (1875)
Box 2 to Box 3								
41'4" to 57'4"	Greenstone with quartz and calcite veinlets at various attitudes and <1% pyrite. Box 4							

Douglas H. Wood

ULTRALINE MINING SERVICES INC. : DDH-90-8

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
57'4" to 103'	Light green and grey altered and recrystallized carbonate or greenstone with minor malachite as disseminated specks. Approx. 1% to 2% disseminated white cubic pyrite. Quartz and calcite veinlets at various attitudes. A 12" quartz vein with no visible mineralization at 66' perpendicular to core. Pale pastel green color toward end of interval (possibly As ?).							
103' to 160'	Alternating Black breccia, silicified carbonate and serpentine.	444717 H	103'	34"	(5)	(0.6)	(5)	(57)
Box 7 to Box 12	At 105'10" to 108'9" (35") black breccia with >10% combined sphalerite + pyrite + galena.	444718 H	105'10"	35"	.163	17.82	1.15	4.27
	At 108'9" to 110'7" (27") is black pyritic serpentine.	444719 H	108'9"	51"	(27)	(5.2)	(62)	(149)
	At 110'7" to 111'2" (9") is black pyritic serpentine.	444720 H	113'	54"	.006*	(3.1)	(46)	(136)
	At 111'2" to 117'6" (54") is black pyritic serpentine.	444721 H	117'6"	25"	(17)	(6.1)	(33)	(23)
	At 117'6" to 119'7" (22") is black pyritic serpentine.	444722 H	119'7"	41"	(2)	(1.2)	(6)	(47)
	At 119'7" to 123' (34") is black pyritic serpentine.	444723 H	123'	60"	.006*	(3.3)	(11)	(39)
	At 123' to 128' (55") is black pyritic serpentine.	444724 H	128'	66"	.013*	(3.8)	(299)	0.17*
	At 128' to 133'6" (55") is black pyritic serpentine.	444725 H	133'6"	36"	.032	0.88	0.15*	0.39*
	At 133'6" to 136'6" (30") is black pyritic serpentine.	444726 H	136'6"	39"	.011*	0.83*	0.19*	0.63*
	At 136'6" to 139'9" (33") is black pyritic serpentine.	444727 H	139'9"	39"	.007*	(4.8)	(338)	(308)
	At 139'9" to 143' (33") is black pyritic grey breccia with sphalerite and combined sulfides approx 7%.	444728 H	143'	31"	(14)	(3.0)	(8)	(41)

ULTRALINE MINING SERVICES INC. : DDH-90-8

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
103' to	At 147'8" is a quartz vein	444729 H	145'7"	25"	(5)	(3.7)	(3)	(64)
150'	for 14" at 70° to core. On	444730 H	147'8"	16"	.004*	(1.6)	(9)	(19)
(Cont'd)	the H.Wall is 24" with	444731 H	149'	10"	(40)	(3.1)	(19)	(85)
	approx. 3% pyrite and on the	444732 H	149'10"	38"	(27)	(1.7)	(12)	(18)
	F.Wall is 10" of >5% pyrite.	444733 H	153'	3"	.219	10.77	0.25*	0.12*
	At 157' to 160' (36") is a	444734 H	153'3"	45"	.006*	(1.9)	(8)	(18)
	dark grey to black breccia	444735 H	157'	36"	.007*	0.17*	(200)	(593)
	with 3% to 5% sulfides.							
	At 153' is a 3" wide quartz-							
	sulfide vein with coarse							
	grained sphalerite + galena +							
	stefanite.							
	Between breccias except for							
	from 123' to 133' is							
	mariposite rich silicified							
	carbonate with from 1% to 3%							
	combined pyrite + sphalerite							
	+ galena.							
	The lower contact at 160' at							
	70° to core.							
160' to	Greenstone after sharp 70°							
173'	contact at 160'.							

END OF HOLE 90-8 AT 173 FEET.

1. Au and Ag in opt, Pb and Zn in % except when in parentheses when Au in ppb and Ag, Pb and Zn in ppm.

2. Values with '*' converted from ppm or ppb geochemical data.

ULTRALINE MINING SERVICES INC. : DDH-90-9

PROPERTY SILVER-DAWN GROUP

HOLE No. DDH-90-9

Grid Location: 21+22N-1+88W Bearing: N/A Total Depth: 153 ft.
 Date Begun: June 16, 1990 Elev. Collar: 2080 ft. Logged By: D.H. Wood, B.Sc.,
 Date Finished: June 17, 1990 Collar Dip: -85° @ 270° Az. Core Size: NDB

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn ¹
0' to 8' Box 1	Casing.							
8' to 25'4"	Silicious carbonate. the last 2" of the interval in grey breccia with approx. 1% pyrite.							
25'4" to 31'10"	Alternating grey and black breccia, silicified carbonate and minor serpentine. Shear fabric in the silicified carbonate is nearly flat at 60° to 90° to core. Dark grey breccia with approx. 2% sulfides (pyrite) from 25'4" to 26'1". From 26'1" to 29' banded pyrite + sphalerite + galena (>10%). Mariposite rich silicified carbonate from 29' to 30'8". Black breccia with >10% combined sulfides from 30'8" to 31'10". Approximately 20% recovery between 30'8" and 31'10".	444736 H 444737 H 444738 H 444739 H	25'4" 26'1" 29' 30'8"	9" 35" 20" 14"	.006* ² .144 .027* .037	(4.0) 18.26 0.44* 8.08	(230) 2.34 (812) 2.41	(230) 3.25 0.12* 3.61
31'10" to 69'5"	Greenstone, somewhat sericite altered with hematite in fractures at 55' to 59'. Upper contact obscured by poor recovery. Lower contact at 69'5" is grey fault gouge.							

Douglas H. Wood

ULTRALINE MINING SERVICES INC. : DDH-90-9

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WIDTH	Au	Ag	Pb	Zn
69'5" to 75'6"	Silicified carbonate alternating with black mineralized breccia.	444740 H	73'	56"	.007*	0.53*	0.28*	0.29*
	At 73' is 16" of black serpentine (approx. 3% pyrite) followed by 3" of grey breccia with 2% pyrite.	444741 H	77'8"	7"	.076	12.41	0.65*	0.66*
	Black and grey breccia with >10% combined sulfides from 77'8" to 78'3" (7").	444742 H	78'3"	43"	(56)	(4.8)	(154)	(30)
	From 81'4" to 84'1" (27") is black breccia with >10% combined sulfides including approx 2% pyrargarite ("Ruby Silver") in massive galena at 84' for 2" in an ovoid mass.	444743 H	81'10"	27"	.089	10.96	1.90	2.61
	At 86'9" to 88'2" is black breccia with >10% sulfides including minor 1% chalcopyrite. From 88'2" to 95'6" is silicified carbonate with approx. 2% pyrite + sphalerite + galena.	444744 H	84'1"	32"	.007*	0.67*	0.11*	0.44*
		444745 H	86'9"	17"	.051	4.84	0.38	1.68
		444746 H	88'2"	58"	(10)	(2.2)	(15)	(46)
		444747 H	93'	30"	(55)	0.32*	(35)	(73)
95'6" to 105'3"	Black mineralized breccia (>10% sphalerite + pyrite + galena) for 40" from 95'6" to 98'10. Hanging wall at 70° and footwall at 30° to core.	444748 H	95'6"	40"	.187	15.41	1.15	4.08
	From 98'10" to 104'10" is silicified carbonate with mariposite and approx. 2% sulfides.	444749 H	98'10"	50"	.008*	0.46*	(218)	(686)
	Banded quartz-sulfide vein for 5" at 104'10" with approx. 20%+ sulfides including Pyrite + sphalerite + galena.	66556	103'	22"	(38)	0.37*	(99)	(236)
		66557	104'10"	5"	.212	6.45	0.78	5.30

ULTRALINE MINING SERVICES INC. : DDH-90-9

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
105'3" to	Carbonate from 105'3" to	66558	105'3"	54"	.007	3.23	(847)	0.12*
123'	109'9" with 1 to 2% sulfides.	66559	109'9"	5"	.215	125.84	8.43	3.43
	Black mineralized breccia 5"	66560	110'2"	34"	.011*	0.51*	(368)	(486)
	between 109'9" and 110'2".	66561	113'	60"	(1)	0.50*	(166)	(100)
	Sulfides approx. 15%	66562	118'	12"	.096	1.37	0.35*	0.89*
	including sphalerite + galena	66563	119'	48"	(1)	(6.2)	(117)	(167)
	+ pyrite + stefanite.							
	From 110'2" to 118' is poorly mineralized (1% to 2%) carbonate with little or no silicification.							
	Black quartz rich mineralized breccia with >10% pyrite + sphalerite from 118' to 119'.							
	Serpentine rich interval in carbonate with increasing brecciation due to faulting to contact with greenstone at 123'.							
	Shear zone with fault gouge for 12" at 115' sub-parallel to core.							
123' to	Greenstone with quartz and							
153'	calcite veinlets at various attitudes and <1% pyrite.							

END OF HOLE 90-9 AT 153 FEET.

1. Au and Ag in opt, Pb and Zn in % except when in parentheses when Au in ppb and Ag, Pb and Zn in ppm.

2. Values with '*' converted from ppm or ppb geochemical data.

ULTRALINE MINING SERVICES INC. : DDH-90-10

PROPERTY SILVER-DAWN GROUP

HOLE No. DDH-90-10

Grid Location: 20+89N-1+87W Bearing: N/A Total Depth: 145 ft.
 Date Begun: June 18, 1990 Elev. Collar: 2112 ft. Logged By: D.H.Wood, B.Sc.,
 Date Finished: June 19, 1990 Collar Dip: -85 @ 180° Az. Core Size: NDB

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn ¹
0' to 34'	Casing in overburden. Box 1							
34' to 49'	Silicified carbonate serpentinized shear zones and minor green breccia. Overall sulfides <1%. Orange weathering to 43'. At 49' is poorly mineralized grey breccia with <1% sulfides.							
49' to 62'	Greenstone with <1% pyrite. Mariposite coloration with quartz and calcite veins at 55'.							
62' to 67'	Broken core with minor mariposite coloring and gouge.							
67' to 98'	Light grey and green altered greenstone (?) with sericite and carbonate alteration and <1% visible pyrite. Fault gouge at 75' at 90° to core. Contact at 98' with carbonate at 60°.							

Douglas H. Wood

ULTRALINE MINING SERVICES INC. : DDH-90-10

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
98' to	Sheared and silicified	66564	98'	60"	(1)	(5.6)	(534)	0.21* ^e
138'4"	carbonate with quartz rich	66565	103'	14"	.017	1.65	0.66*	0.93*
	grey and dark green breccia	66566	104'2"	33"	(1)	0.30*	(243)	0.11*
	and black mineralized	66567	106'11"	45"	.004*	(1.8)	(53)	(86)
	breccia. Carbonate and grey	66568	110'8"	36"	(55)	(3.6)	(71)	(119)
	and green breccia have	66569	113'8"	16"	.034	6.52	4.47	7.04
	average 1% sulfides, mainly	66570	115'	36"	(6)	(1.7)	(37)	(85)
	brassy pyrite. Mariposite	66571	118'	60"	.020*	0.21*	(277)	(800)
	common in brecciated	66572	123'	60"	.003*	(1.4)	(8)	(15)
	material.	66573	128'	60"	.021*	0.56*	(480)	0.13*
	Dark green to grey breccia	66574	133'	64"	(2)	(0.8)	(2)	(10)
	from 103' to 104'2" (14") and							
	from 106'11" to 110'8" (45")							
	with approx. 5% very fine							
	grained sulfides, mainly							
	pyrite.							
	Black mineralized breccia at							
	113'8" to 115' (14") with >7%							
	combined pyrite + sphalerite							
	+ galena.							
	Dark green breccia from							
	118'8" to 119'3" (7") and							
	from 120'2" to 123' (8") with							
	low sulfides.							
	From 121' to 121'6" and from							
	123' to 125' is broken gougey							
	core.							
	Dark grey breccia from 128'							
	to 133' with 2% to 3% pyrite.							
	From 133' to 138' is							
	silicified carbonate with							
	approx. 1% to 2% sulfides,							
	mainly pyrite.							

138'4" to Greenstone.

145'

END OF HOLE 90-10 AT 145 FEET.

1. Au and Ag in opt, Pb and Zn in % except when in parentheses when Au in ppb and Ag, Pb and Zn in ppm.

2. Values with '*' converted from ppm or ppb geochemical data.

ULTRALINE MINING SERVICES INC. : DDH 90-11

PROPERTY SILVER-DAWN GROUP

HOLE No. DDH-90-11

Grid Location: 21+36N-1+87W Bearing: N/A Total Depth: 138 ft.
 Date Begun: June 20, 1990 Elev. Collar: 2082 ft. Logged By: D.H. Wood, B.Sc., FGAC
 Date Finished: June 21, 1990 Collar Dip: -85° @ 270° Core Size: NDB

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn ¹
0' to 5' Box 1	Casing in overburden.							
5' to 38'7"	Silicified carbonate with <1% pyrite. At 25' is a 2" gouge at 45° to hole. At 34.5' is 6" serpentinized shear zone in broken core at 60° to hole. At 58'7" is a sheared contact with underlying greenstone at 70° to core.							
58'7" to 90'2"	Greenstone with <1% sulfides, mainly pyrite.							
Box 4 to Box 6	Between 77' and 78' and from 81' to 86' are pyritic shear zones with quartz and serpentine in broken core.							
90'2" to 117'	Silicified carbonate with sealed shear fabric at 50° to 80° to core and Black mineralized and grey and green poorly mineralized breccia. Overall average disseminated pyrite approx. 1% to 3%.	66575	90'2"	60"	(6)	(0.6)	(6)	(36)
Box 7 to Box 9		66576	93'	60"	(1)	(1.0)	(5)	(19)
		66577	98'	20"	(96)	(2.1)	(11)	(22)

Douglas H. Wood

ULTRALINE MINING SERVICES INC. : DDH 90-11

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WIDTH	Au	Ag	Pb	Zn
90'2" to	At 100'8" is 8" and at 99'8"	66578	99'8"	20"	(68)	0.46**	(421)	(541)
117'	is 4" of dark green breccia.	66579	101'4"	14"	.004*	0.13*	(39)	(102)
(cont'd)	At 102'6" is 3" of black	66580	102'6"	6"	.061	5.61	2.15	4.24
	mineralized breccia with >10%	66581	103'	48"	(25)	0.13*	(218)	(582)
	pyrite + sphalerite + galena at 70° to core.							
	At 102'9" is 6" of quartz and serpentine with approx. 2%							
	pyrite at the footwall in dark green breccia.							
	At 106' is 6" of dark green serpentine.							
	At 107' is a 6" gouge zone in	66582	107'	6"	.071	4.01	0.61	1.32
	broken core followed by 14"	66583	107'6"	14"	.306	18.31	2.17	5.13
	of mineralized breccia and	66584	108'8"	52"	(3)	0.27*	(44)	(113)
	quartz with banded pyrite and	66585	113'	48"	(64)	(2.7)	(76)	(214)
	sphalerite >5%. Footwall at 40° and hangingwall in gouge.							
	Serpentinized shear zone at 75° to core at 111.5' for 6"							
	and at 113' for 1".							
	At 113'10" is a 5" dark green serpentine.							
	Contact with greenstone at 117' at 60° to core and apparently faulted.							
117' to	Greenstone with minor pyrite.							
138'	Gouge in fault at 127'.							

END OF HOLE 90-11 AT 138 FEET.

1. Au and Ag in opt, Pb and Zn in % except when in parentheses when Au in ppb and Ag, Pb and Zn in ppm.

2. Values with '*' converted from ppm or ppb geochemical data.

ULTRALINE MINING SERVICES INC. : DDH 90-12

PROPERTY SILVER-DAWN GROUP

HOLE No. DDH-90-12

Grid Location: 21+24N-2+03W Bearing: N/A Total Depth: 133 ft.
 Date Begun: June 22, 1990 Elev. Collar: 2072 ft. Logged By: D.H. Wood, B.Sc.
 Date Finished: June 23, 1990 Collar Dip: -85° @ 270° Az. Core Size: NDB

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn ¹
0' to	Casing in overburden.							
10'								
Box 1								
10' to	Silicified carbonate with							
27'	shear fabric at 60° to 70° to							
	core and <1% pyrite.							
27' to	Fractured and sheared contact							
33'	with underlying greenstone.							
Box 1 to	Approx. 2% brassy cubic							
Box 2	pyrite for 6" at 29'.							
	Mariposite and quartz from							
	32' to 33'. Quartz veins at							
	70° to 90°.							
33' to	Greenstone with <1% pyrite.	66594	73'	21"	(3)	0.64* ²	(5)	(35)
85'4"	Highly fractured from 74'9"	66595	74'9"	20"	.016	1.09	0.09	0.17
Box 3 to	to 76'5" with 3% to 5%	66596	76'5"	19"	.059	0.33	0.21	0.94
Box 6	sulfides, mainly pyrite.							
	Gouge in fault at 76'5" to							
	78' with 2% pyrite.							
	Narrow quartz-sulfide vein							
	with sphalerite + galena at							
	86' for 1".							
	Footwall is 4" gouge at 60°							
	to core.							

Douglas Wood

ULTRALINE MINING SERVICES INC. : DDH 90-13

PROPERTY SILVER-DAWN GROUP

HOLE No. DDH-90-13

Grid Location: 21+21N-1+89W Bearing: 180° Az. Total Depth: 140 ft.
 Date Begun: June 23, 1990 Elev. Collar: 2080 ft. Logged By: D.H. Wood, B.Sc.,
 Date Finished: June 24, 1990 Collar Dip: -65° Core Size: NDB

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn ⁺
0' to 11'	Casing in overburden. Box 1							
11' to 22'8"	Orange weathered silicified carbonate with <1% sulfides. Shear fabric at 40° to core. Green poorly mineralized breccia for 6" at 15'.							
22'8" to 24'2"	Light green more silicified carbonate with <1% pyrite. Type sample taken.	6115	22'8"	18"	(1)	(0.3)	(4)	(12)
24'2" to 31'2"	Brecciated and mineralized silicified carbonate. Grey breccia for 5" at 24'2" at 80° to core followed by 15" of silicified carbonate with <1% sulfides. At 25'10" is ¼" barren quartz vein at 45° to core. From 25'10" to 30'4" (54") is banded quartz and sulfides averaging approx. 5% with pyrite + sphalerite + galena. At 127' is a 4" quartz-sulfide vein with coarse sphalerite + pyrite + galena for 4" at 45° to core.	6116 6117 6118	24'2" 25'10" 30'4"	20" 54" 11"	(7) .036 (37)	(1.4) 19.53 (7.0)	(17) 4.65 (85)	(45) 2.70 (324)
31'3" to 52'	Greenstone with fractured and mineralized hangingwall contact at 70° to core. Contact zone from 31'3" to 33' with approx. 3% pyrite + sphalerite + galena. Mariposite from 38' to 41' and at 49' to 52' as disseminated specks.	6119	31'3"	21"	.026	2.05	0.74	1.14

Douglas H. Wood

ULTRALINE MINING SERVICES INC. : DDH 90-13

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
52' to	Altered greenstone. Quartz and calcite veins common between 52' and 54' with negligible pyrite. Greenstone somewhat siliceous after with 3% pyrite in bands at 40° to core between 59' and 62'. Quartz veins at 60½' and 61½' for ½' each with brassy pyrite and sphalerite. After 62' <1% pyrite. Relic feldspar crystals from 66' to 71'. After 62' <1% pyrite. Relic feldspar crystals from 66' to 71'. At 71' is a 6" fault gouge in sheared greenstone. Recrystallized shear zone between 71' and 75'. Sharp sheared contact at 75'2" with underlying black breccia at 60° to core.	6120	53'	60"	(6)	(0.9)	(14)	(30)
75'2"		6121	58'	60"	.005	0.58	0.01	0.35
		6122	73'	26"	(4)	(1.3)	(20)	(49)
75'2" to	Mariposite bearing silicified carbonate and black mineralized breccia. Shear fabric and breccia contacts at 60° to core. Black mineralized breccia at: 75'2" to 75'11" (9") 80'3" to 80'8" (8") 82'4" to 82'6" (2") 85' to 86'9" (21") 101'4" to 102'10" (18") 113'10" to 113'11" (1") at footwall of 5" quartz vein at 60° to core. Banded pyrite + sphalerite + galena at 96'8" to 98' (16").	6123	75'2"	9"	.024	3.17	0.44	0.58
132'		6124	75'11"	52"	.006	3.43	0.36	0.81
		6125	80'3"	5"	.085	13.41	2.11	3.02
		6126	80'8"	52"	(124)	0.42* [#]	(392)	(587)
		6127	85'	21"	.124	15.51	1.23	1.79
		6128	86'9"	75"	(26)	(3.9)	(33)	(72)
		6129	93'	44"	(5)	(3.0)	(50)	(91)
		6130	96'8"	16"	.094	3.62	2.19	3.16
		6131	98'	40"	(29)	0.48*	(382)	(197)
		6132	101'4"	18"	.121	13.58	1.97	3.97
		6133	102'10"	62"	(78)	(8.6)	(820)	(173)
		6134	108'	60"	(3)	(2.6)	(46)	(93)
		6135	113'	12"	.011	0.94	0.11	0.49
		6136	114'	48"	(17)	(4.1)	(17)	(36)

ULTRALINE MINING SERVICES INC. : DDH 90-13

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
75'2" to 132' (cont'd)	Not silicified with broken core and <1% sulfides from 103' to 106' and from 108' to 111'. Serpentine from 93'10" to 96'8". Silicified carbonate generally with 2% to 3% pyrite + sphalerite + galena and un-silicified with <1% sulfides, mainly pyrite.							
	Intense mariposite with quartz from 121' to 125'1".	6137	118'	36"	(3)	0.14*	(13)	(26)
	Banded sulfides from 125'1" to 126'4" (15") with 5% pyrite + sphalerite + galena.	6138 6139 6140 6141	121' 125'1" 126'8" 128'	49" 19" 16" 36"	.008* .040 .008* .010	0.83* 8.07 0.66* 1.05	(561) 1.74 (583) 0.25	0.13* 2.85 0.11* 0.43
	Contact at hangingwall at 90° to core. At footwall at 126' is 4" of banded sphalerite + pyrite + galena + stefanite approx. 10% at 50° to core. At 126'4" is 4" of dark grey breccia with approx. 3% sulfides. Poorly mineralized breccia with <1% sulfides from 127'7" to 128' and with 3% sulfides from 131' to 132'. From 128' to 129' is serpentine. From 129' to 131' is partially silicified carbonate with mariposite and approx. 3% pyrite + sphalerite + galena.	6142	131'	12"	.013	0.71	0.19	0.71

ULTRALINE MINING SERVICES INC. : DDH 90-13

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au	Ag	Pb	Zn
122' to 140'	Brecciated contact at 132' for 19" with <1% pyrite, then greenstone. Minor mariposite at 135' for 5".	6143	132'	19"	(12)	(3.8)	(58)	(98)

END OF HOLE 90-13 AT 140 FEET.

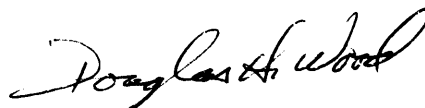
1. Au and Ag in opt, Pb and Zn in % except when in parentheses when Au in ppb and Ag, Pb and Zn in ppm.

2. Values with '*' converted from ppm or ppb geochemical data.

PROPERTY SILVER-DAWN GROUPHOLE No. DDH-90-14

Grid Location: 21+25N-1+75W Bearing: N/A Total Depth: 157'
 Date Begun: Sep 21, 1990 Elev. Collar: 2094' (638m) Logged By: D.H. Wood, B.Sc.
 Date Finished: Sep 23, 1990 Collar Dip: -90° Core Size: NQ

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
0' to 30'	Overburden							
30' to 37'	Silicified and brecciated light to dark green carbonate with quartz and calcite veinlets, minor pyrite and minor mariposite. Mylonitic fabric at 20° to core.	94551	30'	7'				
37' to 42'	At 37' is 2" calcite veined dark green serpentine, then progressively darker grey/green silicified carbonate with negligible sulfides.	94552	37'	5'				
42' to 47'	Progressively lighter green silicious carbonate with <1% disseminated pyrite and minor mariposite. Mylonitic texture at 75°.	94553	42'	5'				
47' to 52'	Same as last interval to 50.5' then darker with more quartz and calcite veinlets and brecciation. Fabric at 40° to 60°.	94554	47'	5'				
52' to 57'	Alternating light and dark silicious carbonate. Brecciated with numerous veinlets. Narrow (1") shear gouge at 55' and greater mariposite for 2" at 56'.	94555	52'	5'				



FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
57' to 62'	Medium to dark green/grey silicified carbonate. Mylonitic fabric at 40° to 70°. Mariposite minor with <1% pyrite.	94556	57'	5'				
62' to 67'	Medium green silicified carbonate with <1% pyrite. Minor mariposite with brecciation and mylonitic texture. Last foot is gougey shear zone with very fine grained sulfides, mariposite and calcite.	94557	62'	5'				
67' to 72'	Mariposite rich gouge for 1.3 ft then 0.5 ft serpentine and siliceous matrix sulfide rich (>5% very fine grained black sulfides) breccia to contact with greenstone at 69.5 ft. Broken core in partially carbonatized greenstone to 72'.	94558	67'	5'				
72' to 77'	Broken partially carbonatized greenstone to 75' with increasing pyrite (approx. 1%). After 75' is silicified carbonate with mariposite and minor brecciation. Black lead mineralization for 0.5" at 75.3 ft and for 3" at 77 ft.	94559	72'	5'				
77' to 82'	Siliceous grey green brecciated carbonate with numerous quartz veinlets and <1% sulfides.	94560	77'	5'				
82' to 87'	Increased mariposite at 85' then light grey moderately silicified and completely recrystallized carbonate (no mariposite). <1% fine disseminated pyrite.	94561	82'	5'				

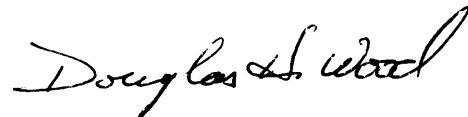
FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
37' to 92'	Light grey recrystallized carbonate with <1% fine disseminated pyrite. 8" serpentized shear zone at 88'.	94562	87'	5'				
72' to 97'	Increasing brecciation with mylonitic texture in greyish green siliceous carbonate with minor mariposite. <1% pyrite. 96' to 97' is coarse quartz - serpentine breccia.	94563	92'	5'				
97' to 102'	Mariposite and quartz rich silicified carbonate with average 3% fine to very fine grained black sulfides. At 98.3 ft is 3" flat banded quartz-calcite-sulfide vein with 2" serpentine at the footwall. Becomes less siliceous below vein.	94564	92'	5'				
102' to 107'	Weakly silicified carbonate with minor mariposite and pyrite to 105 ft. After 105 ft carbonate more siliceous with greater brecciation. Serpentized contact at 105 with approx. 2% coarse pyrite on the hanging wall for 2".	94565	102'	5'				
107' to 112'	Silicified, brecciated and mylonitic carbonate with minor mariposite and <1% sulfides. Minor serpentine within sheared zones.	94566	107'	5'				
112' to 117'	Same as last interval with very coarse dark green serpentized breccia for 6" at 105 ft.	94567	112'	5'				

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
117' to 122'	Intensely silicified carbonate with minor brecciation. Robin's egg blue quartz flooding for 2" at 118.5 ft. Average <1% sulfides.	94568	117'	5'				
122' to 127'	8" of sheared and brecciated serpentine at 122 ft, then heavy mariposite and quartz in carbonate to 126 at sharp contact at approx. 65° with greenstone.	94569	122'	5'				
127' to 157'	Greenstone, medium grained homogeneous texture with <1% sulfides and occasional quartz and calcite veinlets. At 138' is sealed silicified breccia in greenstone for 1'.							

END OF HOLE 90-14 AT 157 FEET.

Grid Location: 21+37N-1+74W Bearing: N/A Total Depth: 267'
 Date Begun: Sep 23, 1990 Elev. Collar: 2092' (638m) Logged By: D.H. Wood, B.Sc.
 Date Finished: Sep 25, 1990 Collar Dip: -90° Core Size: NQ

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
0' to 34.5'	Overburden							
34.5' to 37'	Silicified and light to medium green mylonitic and brecciated carbonate with minor mariposite and pyrite for the last 2'.	94570	34.5'	2.5'	8	0.3	3	8
37' to 42'	Silicified mylonitic and brecciated carbonate with <1% pyrite. Dark green serpentine from 38.5 to 41'.	94571	37'	5'	50	0.3	2	15
42' to 47'	Light to medium green silicified, mylonitic and brecciated carbonate with <1% pyrite.	94572	42'	5'	11	0.4	2	9
47' to 52'	Same as last interval.	94573	47'	5'	12	0.1	2	1
52' to 57'	Same as last interval with 8" gouge zone at 50'.	94574	52'	5'	8	0.1	2	4
57' to 62'	Same becoming more silicified.	94575	57'	5'	271	1.7	146	198
62' to 67'	First foot lightly silicified green serpentine followed by 4' of medium green carbonatized greenstone.	94576	62'	5'	19	0.3	2	47



FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
67' to 72'	Dark green carbonate with coarse tectonic fabric to 69', then mariposite and quartz rich section from 69' to 70' then light grey green fine grained, mariposite spotted recrystallized carbonate(?) to 72'. Approximately 1% to 2% very fine grained black sulfides.	94577	67'	5'	339	42.4	294	2359
72' to 77'	Medium green lightly silicified carbonate with 1% to 3% disseminated pyrite.	94578	72'	5'	10	0.5	3	39
77' to 82'	Mariposite rich light green silicified carbonate to 80' with 1% to 2% pyrite, then dark green carbonate to 82' with <1% pyrite.	94579	77'	5'	7	0.6	4	54
82' to 87'	Medium green silicified carbonate with quartz and calcite veinlets and <1% pyrite to 85.5'. 85.5' to 86.6' is very coarse mineralized breccia with approx. 3% very fine grained black sulfides. 86.6' to 87 same light green silicified carbonate with <1% sulfides.	94580	82'	5'	274	9.1	689	1509
87' to 92'	Medium to dark green carbonatized greenstone with minor mariposite and <1% sulfides.	94581	87'	5'	8	0.6	2	31
92' to 97'	Greenstone with quartz veinlets, silica flooding and 1% to 2% disseminated pyrite and minor carbonatization.	94582	92'	5'	5	0.5	5	61
97' to 102'	Same as last interval.	94583	97'	5'	7	0.4	2	64

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
102' to 107'	12" contact breccia at 102', then 12" of intensely silicified breccia with <1% pyrite. From 104' to 107' is light grey recrystallized carbonate(?) with 1% to 3% pyrite to 106.5, then gouge zone to end of interval.	94584	102'	5'	18	1.1	11	42
107' to 112'	Gouge zone from 107' to 107.5', then dark grey breccia with 3% to 5% very fine grained dark sulfides to 109'. From 109' to 112' is 12" dark green mylonitic quartz breccia then 12" of light green silicified carbonate with fabric at 50°.	94585	107'	5'	15	0.9	25	27
112' to 117'	6" of black breccia with 3% to 5% fine grained sulfides including sphalerite, galena and pyrite to 112.5', then mylonitic silicified carbonate with mariposite and 1% to 2% pyrite and very fine grained dark sulfides to 117'.	94586	112'	5'	700	24.2	404	1181
117' to 122'	Silicified carbonate, mainly light grey green with mylonitic texture at 60° to 80° and average very fine grained sulfides of 1% to 2% including approximately 3% sulfides in breccia from 121' to 122'.	94587	117'	5'	796	223.7	6204	7824

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
122' to 127'	Silicified dark grey moderately brecciated carbonate to 124.5' with 1% to 3% very fine grained dark sulfides including dark grey breccia with robin's egg blue quartz flooding for 6" at 124'. From 124.5' to 127' is light greenish mylonitic silicified carbonate.	94588	122'	5'	2248	225.5	5150	8872
127' to 132'	Light green, mylonitic silicified carbonate with <1% sulfides.	94589	127'	5'	36	1.2	19	22
132' to 137'	Same as last interval.	94590	132'	5'	11	0.9	12	24
137' to 142'	At 137' is 3" of brecciated green carbonate then green serpentine to 138'. After 138' is serpentinized, chloritic and silicified contact breccia zone with underlying greenstone. <1% sulfides.	94591	142'	5'	4	0.2	2	30
142' to 267'	Greenstone with quartz and calcite veinlets and <1% sulfides (pyrite visible). Hematite in fracture from 146' to 153'. At 156.5' is 6" of breccia without mineralization. At 196.6' is 4" of quartz breccia with minor mariposite.	94592	142'	5'	8	0.3	2	29
		94593	147'	5'	4	0.3	2	28
		94594	152'	5'	1	0.2	2	44

End of Hole 90-15 at 267 feet.

Grid Location: 21+51N-1+74WBearing: N/ATotal Depth: 217'Date Begun: Sep 25, 1990Elev. Collar: 2088' (636m)Logged By: D.H. Wood, B.Sc.Date Finished: Sep 27, 1990Collar Dip: -90°Core Size: NQ

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
0' to -37'	Overburden							
37' to -42'	Light green silicified carbonate with minor mariposite and <1% pyrite. Mylonitic fabric at 45° to 50°.	94595	37'	5'				
42' to -47'	Same as last interval but slightly darker color and less mariposite.	94596	42'	5'				
47' to -52'	Same becoming more brecciated with narrow serpentized shear zone at 52'	94597	47'	5'				
52' to -57'	12" of dark grey breccia at 52' followed by light grey silicified carbonate with minor mariposite. 51.5' to 52' is broken gougey core.	94598	52'	5'				
57' to -62'	Light grey silicified carbonate with approx. 2% very fine grained pyrite and homogeneous texture to 60' followed light green and grey silicified carbonate with minor mariposite and <1% disseminated pyrite.	94599	57'	5'				
62' to -67'	Same as 60' to 62'.	94601	62'	5'				



FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
67' to 72'	Grey and light green silicified carbonate to 69' with <1% sulfides and minor mariposite. From 69' to 72' is broken serpentine rich zone with <1% sulfides.	94602	67'	5'				
72' to 77'	Grey green silicified carbonate with mariposite to 76'. From 76' to 77' is pyrite rich coarse quartz breccia with sphalerite.	94603	72'	5'				
77' to 82'	Greenish grey silicified carbonate with abundant mariposite and approx. 2% to 3% very fine grained black sulfides and minor black lead material. 8" black lead at 79' and 2" black lead at 80'. Quartz rich from 80' to 82'.	94604	77'	5'				
82' to 87'	From 82' to 82.7' is serpentine followed by 1.5' flat quartz vein with 3% pyrite. At 84' to 85' is black serpentine. From 85' to 87' is grey green altered greenstone with approx. 2% fine to medium pyrite.	94605	82'	5'				
87' to 92'	Pyritic grey partially silicified and recrystallized greenstone (?) with numerous quartz veinlets and approx. 2% pyrite.	94606	87'	5'				
92' to 97'	Same as last interval.	94607	92'	5'				
97' to 102'	Same as last interval.	94608	97'	5'				
102' to 107'	Same as last interval.	94609	102'	5'				

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
107' to 112'	Sharp contact at 110' with mylonitic silicified carbonate.	94610	107'	5'				
112' to 117'	Silicified carbonate with disseminated coarse pyrite to 115' followed by dark grey green greenstone to 117'	94611	112'	5'				
117' to 122'	117' to 118.5' is dark grey green volcanic as 115' to 117'. From 118.5' to 122' is light green silicified carbonate with <1% sulfides.	94612	117'	5'				
122' to 127'	From 122' to 123' is greenstone followed by light to medium green silicified carbonate with approx. 1% pyrite.	94613	122'	5'				
127' to 132'	Light green silicified carbonate with minor mariposite and <1% pyrite.	94614	127'	5'				
132' to 137'	Same as last interval.	94615	132'	5'				
137' to 142'	Same as last interval but somewhat darker.	94616	137'	5'				
142' to 147'	Same as last interval but lighter color.	94617	142'	5'				
147' to 152'	Same becoming more structurally complex after 151'.	94618	147'	5'				
152' to 157'	Fault gouge for 2" at 152' followed by dark greenstone to end of interval. Hematite in fractures at 155'.	94619	152'	5'				

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
---------	-------------	----------	-------	------	-----------	-----------	-----------	-----------

157' to 217'	Homogeneous greenstone to 217' with minor hematite in fractures to 177'.							
-----------------	--	--	--	--	--	--	--	--

End of Hole 90-16 at 217 feet.

Grid Location: 21+72N-1+76W Bearing: N/A Total Depth: 287'
 Date Begun: Sep 27, 1990 Elev. Collar: 2078' (633m) Logged By: D.H. Wood, B.Sc.
 Date Finished: Sep 30, 1990 Collar Dip: -90° Core Size: NQ

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
0' to 40'	Overburden							
40' to 47'	Dark grey mylonitic carbonate with numerous quartz and calcite veinlets. Approx. 1% to 2% disseminated medium grained pyrite.	94620	40'	7'				
47' to 52'	47' to 49' same as last interval, then 1" light green gouge at 49' at 80°. 49' to 51' is siliceous light pea green volcanic with approx. 1% pyrite. 51' to 52 is broken serpentine in gouge.	94621	47'	5'				
52' to 57'	Light grey green siliceous carbonate with <1% pyrite.	94622	52'	5'				
57' to 62'	Medium grey green siliceous carbonate becoming more siliceous with mariposite present. 2" sucrose textured quartz vein 58.5'. Minor pyrite from 61.7 to end of interval.	94623	57'	5'				
62' to 67'	Light green siliceous carbonate with <1% pyrite.	94624	62'	5'				
67' to 72'	Same as last interval except for 68.5' to 69.5' which pyritic and broken.	94625	67'	5'				
72' to 77'	Same as last interval with more quartz. Narrow sphalerite band at 75'	94626	72'	5'				

Douglas H. Wood

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
77' to 82'	Heavily silicified carbonate with dark grey quartz breccia from 79' to 80'.	94627	77'	5'				
82' to 87'	Medium to dark green siliceous carbonate with 1% to 2% disseminated pyrite.	94628	82'	5'				
87' to 92'	Carbonate becoming less silicified with more mariposite. From 91' to 91.5' is approx. 3% very fine grained sulfides.	94629	87'	5'				
92' to 97'	From 92' to 93' heavily sheared mariposite rich carbonate. From 93' to 94' is serpentized shear zone. 94' to 95' flat chloritic shear zone with approx. 2% or more pyrite in gouge for last 0.5'. From 95' to 97' medium green mylonitic silicified carbonate.	94630	92'	5'				
97' to 102'	Medium green silicified carbonate. Minor mariposite in quartz rich section from 97' to 97.5'.	94631	97'	5'				
102' to 107'	Medium green silicified and mylonitic carbonate.	94632	102'	5'				
107' to 112'	Medium to light green silicified carbonate with minor mariposite. 0.2' quartz - sulfide vein at 80° at 109' with pyrite at the footwall and sphalerite, galena and stefanite at the hanging wall. Overall sulfides <1% for interval.	94633	107'	5'				

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
112' to 117'	Light green carbonate to 113' then dark grey to 117'. Silicification less intense with approx. 1% disseminated pyrite.	94634	112'	5'				
117' to 122'	Dark grey moderately silicified carbonate with 1% to 2% disseminated pyrite.	94635	117'	5'				
122' to 127'	Same as last interval becoming lighter gray with minor mariposite and <1% pyrite.	94636	122'	5'				
127' to 132'	Dark green less siliceous carbonate with <1% sulfides.	94637	127'	5'				
132' to 137'	Dark green as last interval to 134' then light green silicified carbonate with minor mariposite and <1% sulfides.	94638	132'	5'				
137' to 142'	Light green silicified carbonate with <1% sulfides.	94639	137'	5'				
142' to 147'	Darker less silicified carbonate with chlorite to 146.2'. Last 0.8' lighter and brecciated.	94640	142'	5'				
147' to 152'	Light green silicified carbonate with <1% sulfides.	94641	147'	5'				
152' to 157'	Dark green chloritic carbonate to 154.5 then light silicified carbonate to end of interval.	94642	152'	5'				
157' to 162'	Light green silicified carbonate with <1% sulfides.	94643	157'	5'				

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
162' to 167'	Dark green broken greenstone after sharp flat contact at 162.5'. Gouge from 164' to 165'.	94644	162'	5'				
167' to 287'	Greenstone volcanics with calcite veins and veinlets.							
End of hole 90-17 at 287'.								

PROPERTY SILVER-DAWN GROUPHOLE No. DDH-90-18

Grid Location: 21+23N-1+59W Bearing: N/A Total Depth: 253'
 Date Begun: Sep 30, 1990 Elev. Collar: 2107'(642m) Logged By: D.H. Wood, B.Sc.
 Date Finished: Oct 2, 1990 Collar Dip: -90° Core Size: NQ

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
0' to 50'	Overburden.							
50' to 57'	Medium grey silicified carbonate with minor mariposite and <1% pyrite.	94645	60'	5'				
57' to 62'	Same as last interval with vugs at 69'.	94646	67'	5'				
62' to 77'	Silicified carbonate becoming more mylonitic. Gouge for 0.25' at 73.5'. Last 1.0' broken and chloritic at greenstone contact.	94647	72'	5'				
77' to 82'	Chloritized partially carbonized greenstone with quartz veinlets.	94648	77'	5'				
82' to 87'	Greenstone.	94649	82'	5'				
87' to 92'	Greenstone.	94650	87'	5'				
92' to 97'	Greenstone with 0.3' quartz vein at 93.5'	66902	92'	5'		0.3	2	42
97' to 102'	Brecciated contact in broken core at 97.7' for 1' with 2% very fine grained pyrite for 2" at 98'. Followed by quartz and mariposite rich recrystallized carbonate to 102' with <1% sulfides.	66903	97'	5'		4.6	141	171



FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
102' to 107'	Green and grey mariposite rich recrystallized moderately silicified carbonate with minor very fine grained pyrite.	66904	102'	5'		0.5	3	29
107' to 112'	Same as last interval.	66905	107'	5'		0.7	9	48
112' to 117'	More silicified and brecciated carbonate. 2" sulfide rich section at 115'. 115' to 116' is quartz rich with a 2" vein at 60° at 115.5'. 2" gouge at 116'.	66906	112'	5'		135.4	315	1899
117' to 122'	Mylonitic grey green silicified carbonate with 1' black mineralized breccia at 120'. 117' to 120' <1% pyrite. 120' to 121' approx. 10% sphalerite, pyrite and galena. 121' to 122' <1% pyrite.	66907	117'	5'		96.0	1797	6012
122' to 127'	Light green silicified carbonate with minor mariposite.	66908	122'	5'		20.6	335	1580
127' to 132'	Grey green silicified carbonate with <1% sulfides.	66909	127'	5'		1.7	58	83
132' to 137'	Light green carbonate to 134' with approx. 2% very fine grained pyrite from 133.5' to 134'. At 134' is 4" quartz flooded breccia with 1% to 3% very fine grained pyrite. From 134.3' to 137' is darker less silicified carbonate with minor serpentine and <1% sulfides.	66910	132'	5'		1.0	12	13
137' to 142'	Weakly silicified medium to dark green carbonate with <1% sulfides.	66911	137'	5'		0.3	2	4

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
142' to 147'	Same as last interval with minor serpentine.	66912	142'	5'		0.5	2	6
147' to 152'	Talcy chloritic carbonate with <1% sulfides.	66913	147'	5'		0.7	2	11
152' to 157'	Gouge with chlorite for 2" at 152' and at 152.7' at 45° in dark green talcy carbonate with <1% sulfides.	66914	152'	5'		0.1	5	11
157' to 162'	Mottled dark green talcy carbonate with <1% sulfides to 161'. From 161' to 162' quartz sealed breccia contact with last 0.5' as a chloritic flat gouge.	66915	157'	5'		0.3	11	26
162' to 163'	Greenstone volcanic. 210' to 211.5' is dark silicified breccia with silicification of the greenstone for 1' at the hanging and foot walls.	66916	202'	5'		0.5	2	45
			207'	5'		1.2	5	47
			212'	5'		0.1	6	73

End of hole 90-18 at 253.

PROPERTY SILVER-DAWN GROUPHOLE No. DDH-90-19

Grid Location: 21+22N-1+41W Bearing: N/A Total Depth: 218'
 Date Begun: Oct 2, 1990 Elev. Collar: 2118'(646m) Logged By: D.H. Wood, B.Sc.
 Date Finished: Oct 4, 1990 Collar Dip: -90° Core Size: NQ

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
0' to 72'	Overburden.							
72' to 77'	1.2' of chloritic gouge then 2' of dark green mylonitic serpentine rich carbonate followed by 2.8' dark green brecciated carbonate. Sulfides <1%.	59555	72'	5'	11	0.1	3	10
77' to 82'	Medium grey green lightly silicified carbonate with minor light grey breccia and mariposite. Sulfides <1%.	59556	77'	5'	102	0.4	2	12
82' to 87'	Well silicified carbonate with mariposite and <1% sulfides. From 86' to 87' is greenstone after brecciated chloritic contact.	59557	82'	5'	12	0.4	5	21
87' to 102'	Greenstone.	59558 59559 59560	87' 92' 97'	5' 5' 5'	1 10 1	0.1 0.5 0.1	2 3 2	60 51 51
102' to 107'	Greenstone becoming more structurally complex and silicified.	59561	102'	5'	17	0.3	2	59
107' to 112'	Partially silicified greenstone.	59562	107'	5'	41	0.4	2	53
112' to 117'	Partially silicified and carbonatized greenstone with 1% to 2% pyrite to 115'. Broken core with gouge for 0.5' at 115' followed by mariposite rich silicified carbonate.	59563	112'	5'	80	6.7	173	505



FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
117' to 122'	Brecciated and silicified greenstone with mariposite from 117' to 118'. Pyritic quartz breccia from 118' to 119' with approx. 5% pyrite. From 119' to 120.5' epidote and mariposite bearing quartz breccia. From 120.5' to 122' is silicified and serpentized greenstone. Contacts of breccia 80° on hanging wall and 70° on footwall.	59564	117'	5'	95	8.9	358	321
122' to 127'	Sheared and chloritic greenstone.	59565	122'	5'	47	0.2	3	46
127' to 132'	Greenstone with a 4" quartz vein at 132'.	59566	127'	5'	15	0.1	2	30
132' to 137'	Greenstone with minor silicification.	59567	132'	5'	1	0.1	2	43
137' to 142'	Increasing silicification with carbonatization with minor mariposite in greenstone.	59568	137'	5'	36	0.1	3	41
142' to 147'	Same as last interval with 2" quartz vein at 50° at 146.8'.	59569	142'	5'	2	0.8	2	52
147' to 152'	Sheared greenstone from 147' to 148'. From 148' to 150' is sheared mariposite bearing carbonate followed by dark grey brecciated carbonate.	59570	147'	5'	20	3.4	15	66
152' to 157'	Dark grey mottled talcy carbonate with minor mariposite and <1% sulfides.	59571	152'	5'	2	0.1	2	7
157' to 162'	Alternating light and dark grey and green mylonitic silicified carbonate.	59572	157'	5'	22	1.1	31	62

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
162' to 167'	Alternating medium to dark grey silicified carbonate with <1% sulfides.	59573	162'	5'	9	0.4	5	20
167' to 172'	Alternating medium to dark grey silicified carbonate with hematite stain from 170' to 172'.	59574	167'	5'	43	0.1	3	4
172' to 177'	Mostly grey with minor green hematite stained silicified carbonate. 0.3' of dark green serpentine at 176'.	59575	172'	5'	15	0.1	3	4
177' to 182'	Pale green silicified carbonate with mylonitic fabric at 40°. Chloritic shear zone with gouge for 0.5' at 180'. Sulfides <1%.	59576	177'	5'	14	0.1	2	9
182' to 187'	Silicified and sheared greenstone with carbonate and quartz veinlets and <1% sulfides.	59577	182'	5'	23	0.2	13	45
187' to 218'	Greenstone with minor silicification and minor talc. Sulfides <1%.							

End of hole 90-19 at 218'.

Grid Location: <u>21+22N-1+21W</u>	Bearing: <u>N/A</u>	Total Depth: <u>157'</u>
Date Begun: <u>Oct 4, 1990</u>	Elev. Collar: <u>2124' (648m)</u>	Logged By: <u>D.H. Wood, B.Sc.</u>
Date Finished: <u>Oct 5, 1990</u>	Collar Dip: <u>-90°</u>	Core Size: <u>NQ</u>

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
0' to -60'	Overburden.							
60' to -67'	Alternating dark green and grey green silicified carbonate. Darker sections are serpentine with 1% to 3% coarse pyrite. Lighter material has approx. 1% fine to medium grained pyrite.	59578	60'	7'	27	1.1	21	35
67' to 72'	Lightly silicified green carbonate with minor serpentine, and 1% to 3% pyrite.	59579	67'	5'	6	0.1	2	6
72' to 77'	Lighter section in carbonate with minor malposite and greater silicification but lesser pyrite.	59580	72'	5'	4	0.2	2	7
77' to 82'	Same as last interval.	59581	77'	5'	16	0.3	2	5
82' to 87'	Light green and grey silicified carbonate with <1% sulfides and mylonitic fabric at 50°.	59582	82'	5'	14	0.3	2	5
87' to 92'	Same as last interval but more siliceous.	59583	87'	5'	12	0.1	2	5
92' to 97'	Same as last interval with pale green color increasing.	59584	92'	5'	1	0.3	2	5
97' to 102'	Same as last interval.	59585	97'	5'	1	0.2	2	9

Douglas H. Wood

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
102' to 107'	Light green silicified carbonate from 102' to 103', then sharp 60° contact with chloritic greenstone from 103' to 107' with hematite stain in fractures.	59586	102'	5'	1	0.1	3	65
107' to 112'	Greenstone with hematite staining in fractures.	59587	107'	5'	1	0.1	2	68
112' to 117'	Greenstone with less hematite.	59588	112'	5'	1	0.3	4	63
117' to 122'	Same as last interval.	59589	117'	5'	5	0.1	3	81
122' to 127'	Same as last interval.	59590	122'	5'	27	0.1	4	52
127' to 132'	Same to 131' then sheared and brecciated contact to 132' at hanging wall of silicified greenstone.	59591	127'	5'	11	0.6	13	58
132' to 137'	Sericitized and silicified greenstone with 3% to 5% fine grained pyrite from 134' to 137'.	59592	132'	5'	97	3.4	79	50
137' to 157'	Chloritized greenstone with minor hematite and <1% sulfides.							

End of hole 90-20 at 157'

PROPERTY SILVER-DAWN GROUPHOLE No. DDH-90-21

Grid Location: 21+52N-1+21W Bearing: N/A Total Depth: 267'
 Date Begun: Oct 6, 1990 Elev. Collar: 2140' (652m) Logged By: D.H. Wood, B.Sc.
 Date Finished: Oct 11, 1990 Collar Dip: -90° Core Size: NQ

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
0' to 40'	Overburden.							
40' to 47'	Extremely broken core in greenstone with minor epidote and hematite and <1% sulfides.	59593	40'	7'	5	0.2	2	41
47' to 52'	Broken greenstone as in last interval with no hematite and <1% sulfides.	59594	47'	5'	1	0.1	3	50
52' to 57'	Greenstone with carbonate alteration at 55' and minor malposite and <1% sulfides.	59595	52'	5'	9	0.1	2	60
57' to 62'	Carbonatized greenstone with <1% sulfides.	59596	57'	5'	3	0.1	2	144
62' to 67'	Broken greenstone with gouge and calcite fracture filling.	59597	62'	5'	3	0.1	3	34
67' to 72'	Continued gouge with chlorite and calcite to 70', then 1% grey very fine grained sulfide for 0.25' at 70'. Remainder of interval less broken and altered greenstone.	59598	67'	5'	10	0.2	2	27
72' to 77'	Mylonitic greenstone with carbonate alteration. Hematite in fractures from 73' to 74'.	59599	72'	5'	6	0.2	4	26
77' to 82'	Dark grey green and talcy serpentine after brecciated contact at 79'	59600	77'	5'	5	0.2	2	14

Douglas H. Wood

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
82' to 87'	Increasingly darker and moderately carbonatized serpentinite. with <1% sulfides.	59601	82'	5'	5	0.1	3	26
87' to 92'	Dark green serpentinite with carbonate to brecciated contact at 89.5' with light and medium green silicified carbonate with minor mariposite and mylonitic texture at 45°.	59602	87'	5'	6	0.1	2	14
92' to 97'	Dark green serpentinite from 92' to 93' followed by intensely silicified carbonate with light grey breccia for last 1.2'.	59603	92'	5'	21	0.3	5	51
97' to 102'	Mylonitic and brecciated silicified carbonate with mariposite and <1% sulfides. Mylonitic texture at 45° to 60°.	59604	97'	5'	30	1.1	66	322
102' to 107'	Same as last interval with less mariposite and more silica.	59605	102'	5'	17	1.3	35	42
107' to 112'	Same as last interval.	59606	107'	5'	9	0.4	2	7
112' to 117'	Same with less silica and talcy at 116.5'	59607	112'	5'	6	0.3	2	7
117' to 122'	Same as last interval.	59608	117'	5'	11	0.3	3	5
122' to 127'	More intensely silicified and vuggy carbonate with sericite alteration and sucrose quartz. Mylonitic texture at 50° to 60°.	59609	122'	5'	7	0.7	2	8

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
127' to 132'	Same becoming more competent with mariposite and 1% to 2% disseminated coarse pyrite.	59610	127'	5'	37	4.9	192	509
132' to 137'	Light green silicified carbonate with 1% disseminated pyrite.	59611	132'	5'	5	0.7	7	11
137' to 142'	Light green silicified carbonate with approx. 1% disseminated pyrite.	59612	137'	5'	3	0.2	2	4
142' to 147'	Silicified carbonate becoming darker green and grey with <1% sulfides.	59613	142'	5'	7	0.2	2	5
147' to 152'	From 147' to 148.5' is grey silicified carbonate and 148.5' to 152 is medium green.	59614	147'	5'	6	0.2	2	12
152' to 157'	Grey and green silicified carbonate with <1% sulfides.	59615	152'	5'	4	0.2	2	3
157' to 162'	Grey green silicified carbonate with <1% sulfides. For 0.5' at 158' is a pink coloration, possibly Mn or Ni Mineral.	59616	157'	5'	8	0.3	2	9
162' to 167'	Grey green silicified carbonate with <1% sulfides.	59617	162'	5'	7	0.4	3	5
167' to 172'	Same as last interval.	59618	167'	5'	8	0.3	2	6
172' to 177'	Same as last interval.	59619	172'	5'	10	0.6	12	12
177' to 182'	Same to 177.7' then serpentine rich to 182'.	59620	177'	5'	38	5.1	266	558
182' to 187'	Light green and grey quartz and mariposite rich carbonate.	59621	182'	5'	77	0.6	36	31

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
187' to 192'	Medium to dark green silicified carbonate to 190', then pea green colored to 192'.	59622	187'	5'	64	0.2	3	26
192' to 197'	Mariposite rich section in silicified carbonate.	59623	192'	5'	64	0.3	4	14
197' to 202'	Quartz and mariposite rich carbonate with increasing sulfides (Avg. 2%). Approx. 5% pyrite, sphalerite and galena from 100' to 102'.	59624	197'	5'	1727	240.4	9448	20029
202' to 207'	Quartz and mariposite rich silicified carbonate with approx. 1% sulfides.	59625	202'	5'	3	1.3	20	41
207' to 212'	Decreasing mariposite and sulfides to 209', then faulted at 50° with black serpentine for 0.7'. From 209.7' to 210.5' is carbonate, then greenstone to 212'.	59626	207'	5'	1	0.7	2	25
212' to 217'	Grey green mylonitic silicified carbonate with <1% sulfides.	59627	212'	5'	2	0.4	5	32
217' to 222'	Medium to dark grey green carbonate becoming less siliceous. Sulfides <1%.	59628	217'	5'	2	0.2	2	12
222' to 227'	Carbonate to 223' then sharp contact with sheared greenstone. Greenstone has minor carbonate alteration.							
227' to 267'	Greenstone becoming less sheared after 237' and homogeneous after 242'.							

End of hole 90-21 at 267'.

PROPERTY SILVER-DAWN GROUPHOLE No. DDH-90-22Grid Location: 21+64N-1+21WBearing: N/ATotal Depth: 277'Date Begun: Oct 11, 1990Elev. Collar: 2156' (657m)Logged By: D.H. Wood, B.Sc.Date Finished: Oct 13, 1990Collar Dip: -90°Core Size: NQ

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
0' to -50'	Overburden.							
50' to -57'	Broken oxidized greenstone.	66919	50'	7'		0.1	2	54
57' to 62'	Sheared greenstone with minor carbonate alteration with chlorite and minor hematite. Sulfides <1%.	66920	57'	5'		0.2	2	45
62' to 67'	Same as last interval.	66921	62'	5'		0.1	2	51
67' to 72'	Greenstone with minor silicification and mariposite from 68' to 70'. Sulfides <1%.	66922	67'	5'		0.1	2	41
72' to 77'	Quartz and gouge flat lying for 0.5' at 73'. From 73.5' to 76' is homogeneous greenstone. From 76' to 77' quartz mariposite rich carbonate in shear zone.	66923	72'	5'		0.3	2	46
77' to 87'	Broken and sheared carbonate and greenstone with poor recovery between 78' and 82'.	66924 66925	77' 82'	5' 5'		0.8 0.7	2 2	67 93
87' to 92'	Grey lightly silicified carbonate with minor mariposite. Minor gouge and serpentine from 89' to 90'.	66926	87'	5'		0.4	7	6
92' to 97'	Increased silicification and lighter color in carbonate.	66927	92'	5'		0.6	2	5



FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
97' to 102'	Mottled mostly light green silicified carbonate with increasing mariposite.	66928	97'	5'		0.9	2	4
102' to 107'	Carbonate with increased mariposite and brecciation and less silica.	66929	102'	5'		0.1	2	4
107' to 112'	Mariposite rich silicified carbonate becoming more brecciated toward end of interval. Approx. 1% to 2% very fine grained dark sulfides.	66930	107'	5'		1.5	67	98
112' to 117'	Mariposite rich silicified carbonate with mylonitic fabric at 70° and Approx. 1% sulfides to 115.5'. After 115.5' is light grey breccia with mariposite and 1% to 2% very fine grained sulfides.	66931	112'	5'		1.1	20	34
117' to 122'	Black breccia with coarse galena and pyrargarite for 0.5' at 117' followed by mariposite and quartz rich carbonate with minor sulfides.	66932	117'	5'		40.7	1046	1202
122' to 127'	Decreasing mariposite and sulfides in silicified carbonate with approx 1% or less sulfides.	66933	122'	5'		0.9	3	8
127' to 132'	Core loss due to hole cave at 127' representing 20% loss followed by silicified carbonate with mariposite and minor pyrite.	66934	127'	5'		0.1	2	7
132' to 137'	Same as last interval with minor galena and sphalerite at 132' and 136.5'.	66935	132'	5'		12.1	1313	4385

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
137' to 142'	Same as last interval with vugs, quartz veins and approx. 1% disseminated pyrite.	66936	137'	5'		4.0	283	598
142' to 152'	Silicified carbonate with approx. 1% or less pyrite. Mylonitic fabric at 60°. Minor pyrite from 158' to 160'.	66937 66938	142' 147'	5' 5'		0.6 0.1	10 8	17 17
152' to 157'	Light green silicified carbonate becoming darker and mottled.	66939	152'	5'		0.5	2	19
157' to 162'	Darker reddish tinged carbonate with approx. 1% disseminated pyrite.	66940	157'	5'		0.7	2	5
162' to 167'	Sharp contact at 162' with broken greenstone for 1' then more competent greenstone with minor silicification from 166' to 167'. Sulfides <1%.	66941	162'	5'		0.6	5	38
167' to 172'	Silicified greenstone with minor mariposite and brecciation. Sulfides <1%.	66942	167'	5'		0.4	5	39
172' to 177'	Chloritic greenstone with minor hematite and <1% sulfides.	66943	172'	5'		0.5	3	67
177' to 187'	Greenstone with minor silicification and <1% sulfides.	66944 66945	177' 182'	5' 5'		0.6 0.6	2 2	48 52
187' to 197'	Greenstone becoming lighter gray colored and re- crystallized. Minor mariposite and with 1% to 2% very fine grained sulfides.	66946 66947	187' 192'	5' 5'		0.4 2.0	2 194	51 148

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
197' to 202'	Light grey green recrystal- lized greenstone or carbonate with mariposite to 199.5'. Breccia with 1% to 3% sulfides from 199.5' to 202'	66948	197'	5'		2.7	192	189
202' to 212'	Light grey green silicified carbonate with approx. 1% disseminated pyrite. Green breccia with serpentine from 207.3' to 209.3'	66949 66950	202' 207'	5' 5'		0.2 0.1	2 3	9 57
212' to 217'	Silicified carbonate with mariposite and quartz and black mineralized breccia and banded sulfides. Black breccia from 213.8' to 214.7'. Banded black sulfides for 0.6' at 216.3'. Black breccia and banded sulfides approx. 5% to 10% pyrite, sphalerite and galena.	2651 2652 2653 2654	212' 213.8' 214.7' 216.3'	1.8' 0.9' 1.6' 0.7'		6.5 166.4 13.2 371.5	5 5958 170 48547	20 10540 231 68276
217' to 222'	Quartz and mariposite rich carbonate with approx. 1% or less sulfides. Less mariposite from 220' to 222'	2655	217'	5'		1.8	38	174
222' to 227'	Brecciated contact at 223' with serpentine to 226.7' then lightly silicified carbonate.	2656	222'	5'		0.8	2	58
227' to 237'	Grey mottled carbonate with minor silicification and <1% sulfides. At 227.5' is 0.25' of light grey breccia at 45°. From 232' to 237 is serpentine rich carbonate and coarse green breccia. Sulfides <1%.	2657 2658	227' 232'	5' 5'		0.4 0.3	3 4	22 15
237' to 247'	Talcy greenstone or serpentine. Minor mariposite and <1% sulfides.	2659 2660	237' 242'	5' 5'		0.3 0.2	2 2	5 5

FOOTAGE	DESCRIPTION	SAMPLE #	DEPTH	WDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm
247' to 252'	Same as last interval to 250.5' then sheared chloritic greenstone with minor hematite.	2661	247'	5'		0.2	2	11
252' to 277'	Altered and sheared greenstone becoming homogeneous and lightly altered after 262'.							

End of hole 90-22 at 277'.

APPENDIX C - ASSAYERS' CERTIFICATES

July 10/90

ASSAY CERTIFICATE

Ultraline Mining Services Ltd. FILE # 90-2041R
608 - 475 Howe St., Vancouver BC

SAMPLE#	Cu %	Pb %	Zn %	Ag** oz/t	Au** oz/t
E 19956	.06	2.70	5.18	7.33	.115
E 19956A	.06	3.29	4.33	7.74	.126
E 19970	.09	1.50	5.21	27.49	.307
E 19970A	.22	1.98	6.46	63.48	.371
E 66557	.02	.78	5.30	6.45	.212
E 66558	-	-	-	3.23	.007
E 66559	.34	8.34	3.43	125.84	.215
E 66562	-	-	-	1.37	.096
E 66565	-	-	-	1.65	.017
E 66569	.08	4.47	7.04	6.52	.034
E 66580	.05	2.15	4.24	5.61	.061
E 66582	.01	.61	1.32	4.01	.071
E 66583	.05	2.17	5.13	18.31	.306
E 444703	.01	.19	1.17	.77	.020
E 444704	.02	.99	4.88	3.89	.071
E 444706	-	-	-	4.59	.016
E 444718	.07	1.15	4.27	17.82	.163
E 444725	-	-	-	.88	.032
E 444733	-	-	-	10.77	.219
E 444737	.05	2.34	3.25	18.26	.144
E 444739	.03	2.41	3.61	8.08	.037
E 444741	-	-	-	12.41	.076
E 444743	.05	1.90	2.61	10.96	.089
E 444745	.02	.38	1.68	4.84	.051
E 444748	.06	1.15	4.08	15.41	.187

AG** AND AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Core Pulp

SIGNED BY *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

ASSAY CERTIFICATE

Ultraline Mining Services Ltd. FILE # 90-1797R
 608 - 475 Howe St., Vancouver BC

SAMPLE#	CU %	PB %	ZN %	AG** oz/t	AU** oz/t
55468 G	.01	.43	.63	3.94	.077
55478 G	.01	.37	.65	.91	.027
55480 G	.01	.22	.62	.86	.009
55486 G	.02	.35	.73	2.60	.062
55487 G	.01	.22	.34	1.87	.010
55491 G	.01	.74	.79	2.95	.097
55497 G	.01	.07	.19	1.03	.018
E 19957	.01	1.00	2.13	3.26	.020
E 19972	.01	.69	1.01	1.47	.029 ✓
E 19974	.02	.71	1.44	1.46	.019
E 19986	.01	.10 ✓	.21 ✓	.87	.008
E 19987	.01	.14	1.48	.72	.087
E 19990	.01	.09	.13	.86	.031
E 19994	.01	.27	.26	1.11	.029
E 19995	.01	.06	.23	1.02	.007
E 19996	.01	.42	.62	1.18	.125
444606 H	.04	.85	2.63	4.39	.027 ✓
444610 H	.02	2.49	4.86	4.55	.135
444613 H	.05	.04	.31	2.92	.025 ✓
444622 H	.02	.75	1.32	4.61	.022 ✓
444623 H	.26	4.36	13.41	71.48	.116 ✓
444624 H	.01	.41	1.16	2.23	.564 ✓
444625 H	.01	.50	.26	1.26	.012
90-1/90-2	.15	2.82	6.37	50.87	.353

- SAMPLE TYPE: Core & Rock Pulp AG** & AU** BY FIRE ASSAY FROM 1 A.T.

SIGNED BY: *C. Leong* D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUN 28 1990

DATE REPORT MAILED:

July 10/90

ASSAY CERTIFICATE

Ultraline Mining Services Ltd. PROJECT RCR FILE # 90-1906R
608 - 475 Howe St., Vancouver BC

SAMPLE#	Cu %	Pb %	Zn %	Ag** oz/t	Au** oz/t
444632 H	.05	.88	1.62	9.18	.018
444633 H	.22	.08	.07	3.25	.007
444635 H	.03	2.06	3.75	13.51	.106
444640 H	.02	.22	1.72	5.21	.096
444642 H	.12	3.72	1.10	39.43	.014

AG** AND AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Core Pulp

SIGNED BY *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

ASSAY CERTIFICATE

Ultraline Mining Services Ltd. FILE # 90-2125R
608 - 475 Howe St., Vancouver BC

SAMPLE#	Cu %	Pb %	Zn %	Ag** oz/t	Au** oz/t
R 6117	.05	2.70	4.65	19.53	.036
R 6119	.01	.74	1.14	2.05	.026
R 6121	.01	.01	.36	.58	.005
R 6123	.01	.44	.58	3.17	.024
R 6124	.01	.36	.81	2.43	.006
R 6125	.03	2.11	3.02	13.41	.085
R 6127	.03	1.23	1.79	15.51	.124
R 6130	.02	2.19	3.16	3.62	.094
R 6132	.06	1.97	3.97	13.58	.121
R 6135	.01	.11	.49	.94	.011
R 6139	.03	1.74	2.85	8.07	.040
R 6141	.01	.25	.43	1.05	.010
R 6142	.01	.19	.26	.71	.013
E 66588	.01	.18	.27	.26	.031
E 66591	.02	.33	.50	3.31	.028
E 66595	.01	.09	.17	1.09	.016
E 66596	.01	.21	.94	.33	.059

AG** AND AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Core Pulp

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL ANALYSIS CERTIFICATE

Ultraline Mining Services Ltd.

File # 90-1797 Page 1

608 - 475 Howe St., Vancouver BC V6C 2B3 Submitted by: MEL PARDEK

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	M	Au**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb
55466 G	1	13	3	4	.2	21	13	799	3.51	.4	5	ND	1 222	.2	2	2	74	4.83	.009	2	17	2.97	252	.01	2	2.31	.01	.04	1	6	
55467 G	1	10	55	261	2.9	54	17	1254	8.21	186	5	ND	1 170	.2	11	3	92	3.85	.031	2	108	5.50	5	.01	2	5.73	.01	.01	1	191	
55468 G	1	108	4049	5687	149.0	159	19	1412	4.67	1826	5	ND	1 428	34.3	37	3	27	11.40	.010	2	112	5.81	22	.01	2	.64	.01	.02	1	2950	
55469 G	1	50	507	1357	8.2	860	51	1679	4.55	954	5	ND	1 394	8.6	14	2	8	11.98	.005	2	300	6.90	1	.01	2	.34	.01	.01	1	84	
55470 G	1	366	137	219	9.7	134	44	1268	11.20	153	5	ND	1 396	2.0	14	2	239	5.62	.203	2	138	6.22	3	.01	2	4.66	.01	.01	1	131	
55471 G	1	25	9	22	1.8	485	34	1362	3.40	485	5	ND	1 485	1.2	6	2	31	9.90	.015	2	374	6.10	2	.01	2	.51	.01	.01	1	2	
55472 G	1	350	75	132	8.2	210	42	1391	10.16	201	5	ND	1 407	.8	9	2	197	5.62	.114	2	172	5.98	6	.01	2	3.55	.01	.01	1	19	
55473 G	1	81	14	55	4.4	578	40	1682	3.71	440	5	ND	1 474	.7	7	2	32	9.76	.044	2	585	5.73	14	.01	2	.76	.01	.01	1	9	
55474 G	1	53	1139	2491	16.7	501	33	1869	4.54	577	5	ND	1 360	15.7	17	2	33	7.44	.040	2	456	5.01	3	.01	2	1.34	.01	.01	1	505	
55475 G	1	35	136	160	4.7	667	43	1702	4.20	455	5	ND	1 445	1.9	10	3	7	11.71	.011	2	189	6.11	89	.01	2	.22	.01	.01	1	38	
55476 G	1	46	207	152	3.4	672	46	1433	4.38	100	5	ND	1 503	1.6	2	7	25	8.87	.070	2	422	6.65	25	.01	2	.64	.01	.01	1	17	
55477 G	1	14	344	388	3.8	805	53	1965	4.64	324	5	ND	1 413	2.4	2	5	15	9.47	.007	2	478	7.36	75	.01	3	.58	.01	.01	1	54	
55478 G	2	57	3805	6502	31.6	233	19	5620	4.51	887	5	ND	1 315	44.7	16	2	22	8.17	.016	2	393	5.29	4	.01	3	.87	.01	.01	1	883	
55479 G	1	28	91	180	2.9	683	45	1751	3.65	606	5	ND	1 444	1.6	5	2	16	10.94	.007	2	474	6.63	26	.01	4	.53	.01	.01	1	17	
55480 G	1	77	2155	6074	29.4	583	38	2482	4.12	868	5	ND	1 342	42.2	2	6	18	8.90	.008	2	627	4.65	5	.01	3	.65	.01	.01	1	318	
55481 G	1	17	7	19	1.8	830	46	1478	4.72	505	5	ND	1 416	.3	5	3	28	12.60	.006	2	406	6.90	2	.01	4	1.29	.01	.01	1	8	
55482 G	1	67	21	26	2.2	388	46	1438	2.91	203	5	ND	2 261	1.0	2	6	30	8.77	.041	2	399	4.69	12	.01	2	1.45	.01	.03	1	11	
55483 G	1	3	2	13	.1	117	28	799	3.65	65	5	ND	2 143	.2	2	2	84	3.72	.004	2	341	2.87	14	.01	2	2.85	.01	.02	1	1	
55484 G	1	33	2	12	.2	28	18	907	4.15	11	5	ND	1 219	.2	2	2	90	4.62	.004	2	91	3.23	17	.01	2	3.19	.01	.03	1	1	
55485 G	1	16	4	15	.5	29	13	1229	3.83	18	5	ND	1 336	.2	2	2	56	8.45	.009	2	59	4.21	22	.01	2	1.42	.01	.07	1	1	
55486 G	1	186	3531	7189	99.0	162	21	1899	5.89	4381	9	ND	1 210	46.1	41	7	43	8.03	.011	2	132	4.71	13	.01	2	1.23	.01	.07	1	2073	
55487 G	1	88	2200	3596	65.0	444	37	1928	3.71	735	5	ND	1 349	22.3	32	2	26	10.26	.011	2	406	5.38	3	.01	5	.95	.01	.01	1	335	
55488 G	1	36	432	499	8.8	473	37	1899	4.38	555	5	ND	1 266	3.2	9	3	31	10.77	.009	2	528	5.54	4	.01	4	1.11	.01	.02	1	93	
55489 G	1	28	21	22	3.2	1079	68	1963	7.00	896	5	ND	1 265	.2	5	6	20	15.12	.004	2	456	6.83	3	.01	3	.88	.01	.01	1	19	
55490 G	1	40	18	39	2.7	715	50	1503	4.77	598	5	ND	1 308	.2	8	6	25	12.44	.005	2	465	6.36	2	.01	3	1.08	.01	.01	1	26	
55491 G	1	170	7722	7983	106.0	252	28	2048	10.86	2009	7	ND	1 117	51.6	30	2	66	5.11	.007	2	235	5.33	3	.01	3	3.08	.01	.02	1	3289	
55492 G	1	29	4	26	.9	231	34	1396	5.78	96	5	ND	1 472	.2	5	7	75	9.90	.008	2	467	5.68	7	.01	3	2.49	.01	.02	1	1	
55493 G	1	92	25	43	.4	49	25	1037	6.52	49	5	ND	1 161	.2	2	3	114	4.85	.011	2	80	2.98	9	.01	2	3.46	.01	.06	1	1	
55494 G	2	34	29	14	3.9	44	17	2758	5.64	428	5	ND	2 91	.2	14	3	16	3.88	.014	2	25	1.83	12	.01	5	.48	.01	.12	1	178	
55495 G	1	340	12	19	1.0	9	11	601	4.45	9	5	ND	2 95	.2	2	4	63	1.77	.023	2	10	1.54	14	.01	2	2.79	.01	.11	1	2	
55496 G	1	18	7	8	.1	482	35	1030	3.38	99	5	ND	1 443	.4	2	5	19	10.79	.005	2	565	7.06	304	.01	6	.55	.01	.01	1	9	
55497 G	1	56	696	1965	37.4	102	21	685	9.67	1448	5	ND	1 188	6.1	39	5	19	1.97	.011	2	35	1.75	5	.01	8	.66	.01	.16	1	576	
55498 G	1	11	589	1082	4.8	36	11	1943	4.31	306	5	ND	1 229	6.2	2	5	50	4.16	.009	2	17	3.87	35	.01	7	1.79	.01	.08	1	45	
55499 G	1	124	2	62	.2	21	22	707	5.49	9	5	ND	2 117	.2	2	5	119	1.61	.013	2	13	3.14	90	.01	2	3.84	.02	.09	2	1	
55500 G	1	33	16	70	.1	74	19	1217	4.98	21	5	ND	2 102	.2	2	6	94	4.15	.008	2	220	3.45	12	.01	7	3.50	.01	.05	2	1	
STANDARD C/AU-R	19	60	43	139	7.5	70	31	1150	3.71	41	16	8	37	48	18.4	14	21	61	.50	.095	38	57	.84	174	.09	34	1.88	.06	.14	12	515

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 MN FE SR 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: P1-P3 Core P4 Rock AU** ANALYSIS BY FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 15 1990 DATE REPORT MAILED: July 4/90. SIGNED BY: C. Leong, D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	U ppm	Au** ppb
E 19953	1	3149	42	82	6.1	61	213	780	16.13	41	5	ND	1	100	2.3	5	2	19	3.47	.001	2	63	2.23	1	.01	9	.58	.01	.01	1	233
E 19954	1	372	15	43	4.9	30	15	1685	4.44	48	5	ND	1	236	.8	2	2	54	7.00	.009	2	33	2.89	8	.01	5	2.07	.01	.08	1	32
E 19955	3	123	326	616	8.7	224	21	1723	3.24	316	5	ND	1	170	4.2	2	9	20	7.24	.008	2	135	3.43	3	.01	3	.70	.01	.05	1	48
E 19957	1	146	7758	15778	122.3	619	40	4674	4.62	1487	5	ND	1	184	116.1	41	3	22	7.90	.005	2	461	4.47	3	.01	6	1.04	.01	.02	1	635
E 19958	1	51	14	61	3.5	759	51	1736	4.17	744	5	ND	1	295	.4	9	2	6	12.29	.004	2	346	6.35	2	.01	6	.26	.01	.01	1	42
E 19959	1	100	745	2017	10.4	396	40	1592	4.31	728	5	ND	1	236	13.5	2	3	34	8.04	.008	2	218	3.83	8	.01	5	1.26	.01	.06	1	484
E 19960	1	94	2	20	1.0	38	16	857	4.15	12	5	ND	1	298	.5	2	2	80	5.72	.007	2	39	3.44	10	.01	2	2.59	.01	.04	1	32
E 19961	1	20	2	16	.4	20	9	1116	3.17	3	5	ND	1	406	.5	2	2	38	11.95	.005	2	21	5.35	18	.01	3	.61	.01	.04	1	7
E 19962	1	53	5	20	.5	39	19	1100	4.76	2	5	ND	1	185	.8	2	2	71	4.49	.008	2	76	2.94	10	.01	2	3.28	.01	.05	2	2
E 19963	1	113	20	51	1.0	43	25	1365	6.98	8	5	ND	1	132	1.0	2	2	113	3.11	.007	2	80	3.45	7	.01	5	5.17	.01	.04	2	37
E 19964	1	31	168	367	7.3	324	34	2141	5.12	473	5	ND	1	235	2.6	2	6	56	7.55	.005	2	264	4.86	3	.01	3	2.34	.01	.06	1	91
E 19965	2	88	29	24	5.8	441	38	1698	4.42	354	5	ND	1	208	.4	8	8	44	9.82	.016	2	549	5.20	3	.01	4	1.54	.01	.02	1	21
E 19966	1	319	13	45	4.7	130	57	1397	16.63	53	5	ND	1	156	1.4	4	2	316	3.80	.516	4	65	6.64	3	.01	10	7.92	.01	.01	1	32
E 19967	1	30	6	5	1.3	677	45	1705	3.59	328	5	ND	1	306	.2	5	2	20	11.10	.004	2	853	5.98	1	.01	5	1.00	.01	.01	1	4
E 19968	1	5	22	20	1.3	414	34	1498	7.21	222	5	ND	1	234	1.4	2	2	92	6.57	.006	2	564	8.99	1	.01	6	5.50	.01	.01	1	3
E 19969	1	32	38	6	3.5	493	45	2791	3.69	499	5	ND	1	300	.2	7	3	16	12.25	.003	2	793	6.41	1	.01	5	.79	.01	.01	1	2
E 19971	1	55	1100	999	19.1	837	39	4939	3.50	1583	5	ND	1	311	6.9	2	2	7	9.35	.004	2	345	4.93	1	.01	7	.28	.01	.01	1	250
E 19972	1	156	5665	8214	51.1	658	47	3528	4.23	1830	6	ND	1	286	59.8	23	2	11	6.82	.008	2	202	3.33	7	.01	3	.42	.01	.05	1	931
E 19973	1	63	138	47	6.9	1032	61	2465	6.20	411	5	ND	1	324	.6	2	2	8	14.60	.003	2	383	6.28	2	.01	3	.31	.01	.01	1	26
E 19974	1	180	6221	11297	63.4	643	46	1667	5.31	936	5	ND	1	266	78.9	12	2	31	9.85	.007	2	396	5.74	8	.01	4	1.42	.01	.04	1	599
E 19975	1	53	239	379	4.9	84	17	601	3.25	45	5	ND	1	108	2.1	2	2	68	2.39	.011	2	128	5.80	8	.01	6	4.79	.01	.04	1	23
E 19976	1	25	57	5	1.9	788	57	1500	4.38	584	5	ND	1	420	.3	2	2	8	13.19	.005	2	319	6.39	3	.01	4	.34	.01	.01	1	72
E 19977	1	40	25	116	.4	38	16	431	4.01	15	5	ND	11	52	.7	2	2	11	1.10	.032	18	19	1.06	60	.01	4	1.78	.01	.23	1	1
E 19978	1	114	15	71	.4	34	16	468	4.58	12	5	ND	1	55	.2	2	2	26	1.11	.049	4	27	1.50	26	.01	7	2.48	.02	.13	2	12
E 19979	1	94	21	118	.6	41	36	1662	10.86	26	5	ND	1	80	1.4	2	2	146	2.95	.044	2	129	3.20	8	.01	8	5.21	.01	.06	1	2
E 19980	1	67	27	114	.4	40	27	1460	8.63	19	5	ND	1	101	.8	2	2	100	2.38	.035	3	108	2.82	18	.01	19	4.43	.01	.06	1	6
E 19981	2	99	15	97	.2	12	12	898	4.35	8	5	ND	1	48	.5	2	4	43	1.05	.030	4	17	1.58	10	.01	2	2.19	.02	.04	1	11
E 19982	1	19	12	71	.1	5	3	732	2.75	5	5	ND	1	78	.2	2	2	2	.78	.016	2	9	.80	15	.01	11	1.80	.02	.06	1	5
E 19983	1	18	13	111	.1	6	8	1215	3.71	8	5	ND	1	22	.2	2	2	37	.51	.028	9	11	1.08	12	.01	5	1.82	.02	.04	1	5
E 19984	2	18	6	98	.1	6	10	1556	4.98	4	5	ND	1	26	.2	2	2	39	.56	.026	4	12	1.43	14	.01	4	2.41	.02	.05	1	14
E 19985	1	39	43	20	1.9	695	47	1199	4.53	155	5	ND	1	316	.2	2	4	31	8.67	.006	2	716	7.71	176	.01	4	1.11	.01	.01	1	42
E 19986	1	51	892	1842	34.6	400	25	3473	5.97	1094	5	ND	1	318	12.0	11	8	29	7.15	.007	2	54	5.14	29	.01	3	.44	.01	.12	1	252
E 19987	1	55	1345	11991	35.5	31	19	2540	7.86	10561	6	2	1	53	98.9	11	2	31	.98	.006	2	19	2.33	15	.01	8	.44	.01	.12	2	2880
E 19988	1	32	16	74	.5	46	16	1115	4.81	60	5	ND	1	107	.2	2	2	40	5.71	.010	2	46	3.37	153	.01	6	1.09	.01	.12	1	26
E 19989	1	4	21	78	1.1	137	27	3259	4.60	307	5	ND	1	144	.3	2	2	35	6.39	.009	2	91	3.08	59	.01	3	.88	.01	.17	1	27
E 19990	1	32	823	1169	34.3	110	35	5882	12.38	5074	5	ND	1	58	8.0	21	2	24	2.10	.003	2	68	1.42	10	.01	6	.49	.01	.16	1	999
E 19991	1	7	63	148	4.3	23	19	4662	4.00	617	5	ND	1	61	.9	6	2	22	2.50	.015	2	16	1.46	11	.01	4	.52	.01	.21	1	78
STANDARD C/AU-R	18	59	37	136	7.7	67	30	1061	3.89	43	17	7	36	48	17.3	16	22	58	.51	.096	36	56	.84	168	.09	33	1.87	.06	.14	11	497

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	M ppm	Au** ppb
E 19992	1	31	13	37	.2	61	23	1074	3.98	46	5	ND	1 247	.7	2	2	83	5.50	.002	2	176	3.86	28	.01	2	2.77	.01	.04	1	5	
E 19993	1	53	34	102	1.4	27	15	1270	3.78	40	5	ND	1 278	1.0	2	2	62	6.42	.006	2	29	3.99	181	.01	3	2.11	.01	.11	1	19	
E 19994	1	34	2128	2141	37.5	35	22	2551	7.03	4442	5	ND	1 61	16.9	22	2	18	2.59	.006	2	13	1.57	18	.01	3	.46	.01	.17	3	930	
E 19995	1	70	481	1913	33.8	84	21	2242	5.63	1165	5	ND	1 142	15.7	20	2	33	4.43	.006	2	27	2.59	20	.01	3	1.17	.01	.12	1	227	
E 19996	1	96	3284	5007	39.9	106	19	1529	6.76	10353	5	3	1 149	41.3	37	2	12	3.79	.006	2	32	2.14	15	.01	3	.38	.01	.08	22	4390	
E 19997	1	63	144	235	17.1	39	14	1334	3.39	206	5	ND	1 381	1.9	2	2	33	8.93	.007	2	24	4.55	14	.01	4	.70	.01	.11	1	99	
E 19998	1	51	767	1383	25.7	144	11	1153	3.08	769	5	ND	1 643	9.5	4	2	23	14.64	.004	2	29	6.96	11	.01	2	.19	.01	.04	1	312	
E 19999	1	752	25	68	2.7	18	10	920	3.07	54	6	ND	1 418	1.0	2	2	31	9.75	.005	2	34	5.27	7	.01	2	1.26	.01	.04	1	42	
444601 H	1	38	152	227	2.1	180	21	2272	3.29	154	5	ND	1 301	2.2	2	2	32	7.64	.004	2	311	4.06	6	.01	3	1.16	.01	.04	1	159	
444602 H	1	15	4	17	.4	505	42	1523	3.84	179	5	ND	1 486	.7	2	2	46	9.96	.011	2	940	6.89	282	.01	2	1.82	.01	.01	1	50	
444603 H	1	40	4	6	.5	324	36	1042	2.54	114	5	ND	1 456	.5	2	2	23	10.86	.002	2	821	6.36	4	.01	3	.56	.01	.01	1	152	
444605 H	1	53	2	14	2.1	590	39	1647	3.28	497	5	ND	1 514	.7	2	2	31	10.93	.002	2	708	6.91	409	.01	3	.88	.01	.01	1	10	
444606 H	1	395	6442	18288	136.7	531	34	2462	4.03	1037	5	ND	1 301	177.7	31	2	33	6.40	.002	2	459	5.04	19	.01	3	1.21	.01	.04	3	863	
444607 H	1	40	12	75	.7	41	24	1230	6.40	55	5	ND	1 150	1.1	2	2	124	2.76	.008	2	25	6.13	328	.01	2	4.29	.01	.04	1	25	
444608 H	1	11	14	71	.4	32	14	1310	4.39	20	5	ND	1 326	.9	2	2	53	6.75	.006	2	27	4.69	855	.01	2	1.98	.01	.08	1	24	
444609 H	1	3	8	26	.4	46	9	1509	3.19	53	6	ND	1 907	.7	2	2	25	11.00	.003	2	20	6.06	1221	.01	2	.81	.01	.08	1	26	
444610 H	1	158	20971	39516	162.5	110	16	695	6.74	11511	5	2	1 117	402.0	44	2	8	2.49	.003	2	1	1.56	13	.01	2	.34	.01	.09	92	4436	
444611 H	1	19	114	198	.9	32	15	1094	3.52	58	5	ND	1 166	1.6	2	2	24	5.22	.011	2	18	3.09	87	.01	3	1.25	.01	.11	1	38	
444612 H	1	13	30	98	.4	34	16	1244	4.04	43	5	ND	1 190	.8	2	2	50	5.96	.006	2	27	3.44	204	.01	3	2.27	.01	.10	1	10	
444613 H	1	463	248	2403	100.6	265	30	3110	4.58	2578	5	ND	1 344	19.9	24	2	27	8.47	.003	2	25	4.39	32	.01	2	.70	.01	.08	1	823	
444614 H	1	3	16	46	.6	31	16	1953	4.25	364	5	ND	1 185	.4	2	2	55	5.92	.004	2	27	3.54	67	.01	3	1.79	.01	.12	1	80	
444615 H	1	7	36	28	3.1	40	19	2444	6.46	2481	5	ND	1 152	.7	2	2	22	5.41	.005	2	14	3.00	18	.01	3	.54	.01	.14	1	992	
444616 H	1	9	27	35	1.4	36	18	2040	4.91	264	5	ND	1 134	.4	2	2	65	5.05	.005	2	26	3.32	19	.01	3	2.22	.01	.10	1	56	
444617 H	1	32	7	77	.1	35	22	1047	5.31	18	5	ND	1 146	.4	2	2	134	4.68	.008	2	51	2.98	104	.01	3	3.43	.01	.04	1	21	
444618 H	1	57	5	56	.1	42	23	979	5.63	15	5	ND	1 151	.6	2	2	133	3.75	.008	2	75	3.37	92	.01	2	3.72	.01	.04	1	14	
444619 H	1	26	5	33	.2	41	18	1253	4.94	34	5	ND	1 233	.5	2	2	86	5.47	.006	2	91	3.96	13	.01	2	3.48	.01	.05	1	32	
444620 H	1	85	12	42	2.2	60	19	1061	4.86	15	5	ND	1 159	.3	2	5	88	3.90	.010	2	124	3.46	12	.01	3	3.75	.01	.03	1	26	
444621 H	1	327	13	83	1.0	28	17	968	4.75	27	5	ND	1 189	.8	2	2	69	4.06	.012	2	38	3.19	37	.01	3	2.79	.01	.03	1	20	
444622 H	1	133	5657	9752	145.7	586	39	3392	4.11	2026	5	ND	1 404	84.5	88	2	10	9.88	.005	2	313	4.87	7	.01	2	.32	.01	.04	8	732	
444623 H	1	2135	23497	99999	311.0	292	19	2801	5.42	8695	5	2	1 105	1106.0	1741	2	7	2.78	.002	2	51	1.52	6	.01	4	.21	.01	.04	3	4562	
444624 H	2	94	3647	9553	81.2	291	24	1857	7.85	49308	5	13	1 127	82.5	98	3	5	3.33	.002	2	74	1.84	4	.01	3	.11	.01	.03	4	18230	
444625 H	1	53	4356	2246	42.5	297	21	2684	2.99	1600	5	ND	1 369	17.8	27	2	15	8.98	.002	2	94	4.55	6	.01	3	.21	.01	.05	1	404	
444626 H	1	287	490	247	13.0	102	34	2256	7.49	1008	5	ND	1 213	3.1	2	2	301	3.89	.001	2	83	5.69	6	.01	2	6.02	.01	.05	1	204	
444627 H	1	30	88	55	5.9	128	16	2383	3.09	240	5	ND	1 376	1.1	2	2	47	10.31	.002	2	76	5.38	10	.01	2	.84	.01	.07	1	56	
444628 H	1	39	823	936	21.0	150	24	1504	5.27	1965	5	ND	1 346	7.4	2	2	84	6.04	.002	2	320	6.32	4	.01	2	3.46	.01	.03	1	669	
444629 H	1	1	5	56	.5	167	30	1087	5.79	55	5	ND	1 208	1.3	2	2	134	3.86	.010	2	264	8.39	2	.01	2	6.29	.01	.01	1	24	
444630 H	1	6	6	28	.9	110	18	1732	2.97	114	5	ND	1 380	.9	2	2	44	9.29	.003	2	254	6.36	4	.01	2	1.86	.01	.02	1	31	
STANDARD C/AU-R	18	58	36	133	7.3	70	31	1027	4.00	39	21	6	38	53	18.4	15	22	57	.51	.086	38	59	.93	182	.09	37	1.93	.05	.14	13	480

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
90-1/90-2	1	1578	20068	48209	271.2	144	23	519	13.20	22164	5	9	1	48	550.7	1214	3	15	.92	.003	2	26	.33	12	.01	2	.59	.01	.08	254	10736

0.313

GEOCHEMICAL ANALYSIS CERTIFICATE

Ultraline Mining Services Ltd. File # 90-2041 Page 1

608 - 475 Howe St., Vancouver BC V6C 2B3

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	V ppm	Au* ppb	
E 19956	1	629	25679	42830	281.3	679	43	1741	6.52	6599	5	3	1	117	426.9	110	2	14	3.33	.005	2	261	2.21	5	.01	2	.76	.01	.06	3	4190	✓
E 19956A	1	606	31027	35379	277.0	728	45	1637	7.19	6561	5	2	1	92	342.8	111	2	12	2.68	.004	2	238	1.82	6	.01	2	.58	.01	.06	2	4490	✓
E 19970	1	988	13085	41557	785.6	477	28	2715	8.10	30774	5	3	2	140	425.0	405	2	17	2.27	.006	2	514	2.47	4	.01	2	.86	.01	.06	2	10980	✓
E 19970A	1	2260	18459	51105	377.8	379	22	4627	8.45	33254	5	6	1	169	588.8	1359	2	15	3.37	.005	2	373	3.21	3	.01	2	.75	.01	.03	2	12320	✓
E 66556	1	36	99	236	12.7	644	40	1907	3.01	841	6	ND	1	349	2.3	11	2	9	11.08	.003	2	669	5.91	2	.01	3	.37	.01	.02	1	38	
E 66557	1	184	6679	42654	218.5	667	53	2425	8.96	14815	5	5	1	100	433.8	74	2	10	2.47	.003	2	335	1.96	7	.01	2	.39	.01	.06	3	6990	✓
E 66558	1	156	847	1190	121.7	559	42	1768	3.05	1339	5	ND	1	297	9.1	74	3	29	8.18	.004	2	997	5.65	4	.01	2	1.29	.01	.03	1	250	
E 66559	1	3605	30359	26341	298.5	279	23	1258	5.23	15578	5	6	1	151	268.5	3227	3	29	4.18	.006	2	313	3.51	15	.01	2	1.35	.01	.06	2	7490	✓
E 66560	1	277	368	486	17.6	248	33	1276	5.77	372	5	ND	1	166	4.5	6	2	92	3.88	.008	2	324	5.82	18	.01	2	5.68	.01	.07	1	390	✓
E 66561	1	158	166	100	17.2	263	28	1164	4.59	217	5	ND	1	194	1.5	10	2	66	5.05	.009	2	197	4.82	26	.01	2	3.62	.01	.07	1	1	
E 66562	10	113	3504	8901	47.8	427	28	4991	7.15	8735	6	2	1	162	70.0	32	2	11	5.57	.005	2	257	4.51	6	.01	2	.49	.01	.06	67	3590	✓
E 66563	1	76	117	167	6.2	360	31	1503	4.46	189	5	ND	1	299	1.8	2	3	73	7.47	.012	2	373	6.28	10	.01	2	3.18	.01	.04	1	1	
E 66564	1	39	534	2138	5.6	59	18	1478	4.46	498	5	ND	1	245	15.5	2	2	71	5.73	.007	2	119	3.83	13	.01	2	2.62	.01	.09	1	1	
E 66565	1	300	6600	9253	57.8	527	39	1933	4.73	1479	5	ND	1	190	70.2	20	19	43	6.03	.005	2	434	4.55	7	.01	4	1.98	.01	.07	1	580	✓
E 66566	1	87	243	1146	10.2	499	38	1521	5.29	354	5	ND	1	191	8.6	2	12	86	5.80	.006	2	616	6.63	2	.01	2	4.59	.01	.02	1	1	
E 66567	1	59	53	86	1.8	483	38	1601	4.31	186	5	ND	1	221	1.4	2	2	68	6.75	.008	2	1222	6.79	3	.01	2	3.81	.01	.02	1	140	
E 66568	1	46	71	119	3.6	1059	70	1874	3.66	442	7	ND	1	373	1.6	3	2	10	11.87	.004	2	438	5.77	3	.01	4	.37	.01	.02	1	55	
E 66569	1	699	42795	59161	251.2	930	51	2022	3.95	3390	5	ND	1	118	721.0	73	2	8	4.59	.004	2	396	2.57	2	.01	5	.23	.01	.03	2	1250	✓
E 66570	1	64	37	85	1.7	817	52	1610	3.25	162	5	ND	1	291	1.5	2	2	13	10.45	.003	2	671	5.64	2	.01	2	.48	.01	.01	1	6	
E 66571	1	59	277	800	7.1	672	43	2292	3.80	1267	5	ND	1	276	6.3	4	2	21	9.80	.007	2	550	5.00	4	.01	2	.90	.01	.02	1	690	✓
E 66572	1	39	8	15	1.4	707	41	1649	2.90	223	5	ND	1	450	.8	2	2	16	12.21	.004	2	665	6.22	3	.01	2	.77	.01	.02	1	113	
E 66573	1	48	480	1251	19.1	255	24	1501	3.39	1420	5	ND	1	405	9.5	2	2	34	9.77	.007	2	193	5.31	16	.01	3	.90	.01	.07	1	720	✓
E 66574	1	14	2	10	.8	638	46	1426	3.44	81	5	ND	1	307	.6	2	2	14	10.21	.005	2	369	6.18	6	.01	2	.60	.01	.02	1	2	
E 66575	1	18	6	36	.6	586	41	1040	3.67	49	5	ND	1	397	.8	2	2	23	6.92	.014	2	364	6.79	17	.01	3	1.09	.01	.05	1	6	
E 66576	1	43	5	19	1.0	672	51	919	3.81	45	5	ND	1	464	1.0	2	2	34	7.25	.003	2	621	9.79	19	.01	2	1.44	.01	.01	1	1	
E 66577	1	27	11	22	2.1	727	47	955	3.16	114	5	ND	1	491	.7	2	2	15	6.31	.003	2	519	9.36	3	.01	2	.55	.01	.01	1	96	
E 66578	1	50	421	541	15.8	387	25	1493	2.71	257	5	ND	1	393	4.2	2	2	30	6.51	.005	2	669	6.29	6	.01	4	1.52	.01	.03	1	68	
E 66579	1	62	39	102	4.5	825	53	1277	3.03	941	5	ND	1	488	1.3	2	2	8	6.96	.003	2	525	8.60	4	.01	3	.21	.01	.01	1	121	
E 66580	1	439	17078	28933	165.5	632	41	4074	4.17	1194	5	ND	1	291	309.7	28	2	27	4.56	.004	2	1124	6.05	3	.01	2	1.08	.01	.02	2	2060	✓
E 66581	1	12	218	582	4.6	594	40	1848	3.38	620	5	ND	1	608	4.8	2	3	28	9.97	.004	2	871	8.45	3	.01	2	1.49	.01	.02	1	25	
E 66582	1	169	5002	11363	124.2	334	22	1377	6.80	3754	5	2	2	151	92.4	23	2	37	1.54	.031	2	330	5.71	24	.01	2	3.71	.01	.06	3	2960	✓
E 66583	1	478	17270	36088	622.0	329	31	1210	11.74	5254	5	9	1	68	374.4	111	2	51	.85	.005	2	635	2.96	3	.01	3	2.01	.01	.02	3	10990	✓
E 66584	1	23	44	113	9.1	758	51	1284	4.34	350	5	ND	1	305	1.6	2	2	32	4.11	.008	2	679	12.76	38	.01	2	1.33	.01	.01	1	3	
E 66585	1	37	76	214	2.7	818	47	818	3.85	45	5	ND	1	278	2.6	2	2	25	6.15	.008	2	394	10.18	3	.01	3	1.14	.01	.01	1	64	
STANDARD C/AU-R	18	57	38	131	7.1	69	31	1022	3.98	38	21	7	38	53	18.5	15	20	56	.50	.094	37	57	.91	180	.07	35	1.91	.06	.14	14	530	

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 MN FE SR 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 ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 26 1990 DATE REPORT MAILED: July 3/90 SIGNED BY: [Signature] D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
E 444702	1	28	177	244	6.4	183	21	1374	3.87	290	5	ND	1 229	2.0	2	2	37	5.70	.003	2	131	4.24	19	.01	2	1.46	.01	.12	1	240	
E 444703	1	117	1615	10053	30.1	318	28	1780	5.14	549	5	ND	1 119	84.1	6	2	63	4.18	.006	2	274	5.08	39	.01	2	2.82	.01	.10	1	650	
E 444704	1	190	8225	35216	99.3	81	17	2016	6.09	6173	5	ND	1 80	371.2	28	2	24	3.86	.007	2	55	2.55	12	.01	2	.97	.01	.13	3	2550	
E 444705	1	15	33	105	.7	50	22	1347	5.42	62	5	ND	1 155	.9	2	2	93	4.39	.006	2	120	3.52	22	.01	2	3.77	.01	.12	1	17	
E 444706	1	196	5297	3969	167.0	38	9	9206	2.98	789	7	ND	1 308	34.4	66	2	9	8.28	.007	2	16	4.10	32	.01	2	.61	.01	.13	4	610	
E 444707	1	33	403	416	17.8	180	18	1794	2.27	506	5	ND	1 315	3.3	9	5	11	7.94	.002	2	113	4.21	11	.01	9	.43	.01	.06	1	350	
E 444708	1	1	4	140	.1	62	20	701	5.73	38	5	ND	1 174	1.0	2	2	95	2.73	.008	2	119	5.80	5	.01	2	4.70	.01	.05	1	6	
E 444709	1	201	3	26	.5	15	15	622	4.22	12	5	ND	1 197	.2	2	2	45	2.40	.016	2	10	2.55	23	.01	2	3.47	.02	.08	1	21	
E 444710	1	118	27	30	3.1	160	21	1404	3.38	234	5	ND	1 317	.6	2	3	57	6.98	.035	2	119	3.98	21	.01	2	1.65	.01	.07	1	9	
E 444711	1	184	9	27	1.7	300	51	1378	7.08	180	5	ND	1 276	1.8	2	2	167	5.72	.135	3	279	5.04	6	.01	2	3.73	.01	.02	1	16	
E 444712	1	26	915	928	19.4	645	46	2618	3.50	778	5	ND	1 417	7.1	3	2	18	11.11	.003	2	521	5.75	20	.01	2	.53	.01	.01	1	290	
E 444713	2	45	23	35	1.4	388	36	1772	5.08	318	5	ND	1 384	1.4	2	2	77	8.60	.005	2	272	6.66	13	.01	2	3.31	.01	.04	1	200	
E 444714	1	20	21	37	.8	681	44	1018	3.00	303	5	ND	1 373	.7	2	2	18	8.36	.002	2	596	5.76	3	.01	6	.61	.01	.01	1	12	
E 444715	1	65	711	1650	20.0	121	21	1617	4.14	318	5	ND	1 198	13.1	8	2	25	5.89	.004	2	63	3.90	84	.01	4	.59	.01	.15	1	220	
E 444716	1	56	676	1875	14.9	253	25	1704	4.72	549	5	ND	1 192	14.4	3	2	28	6.61	.003	2	229	4.25	61	.01	4	1.14	.01	.10	1	290	
E 444717	1	16	5	57	.6	219	40	1454	5.80	47	5	ND	1 408	1.2	2	2	133	5.85	.002	2	873	5.49	12	.01	2	4.67	.01	.04	1	5	
E 444718	1	755	10068	31992	335.8	326	27	4221	7.00	13376	5	5	1 137	326.2	488	47	12	4.08	.016	2	130	3.39	16	.01	4	.37	.01	.06	2	5890	
E 444719	1	36	62	149	5.2	528	42	2033	4.21	705	5	ND	1 338	1.7	18	2	39	8.27	.006	2	474	6.13	5	.01	2	1.52	.01	.06	1	27	
E 444720	1	18	46	136	3.1	390	31	1920	3.48	296	5	ND	1 303	2.1	6	2	31	9.42	.006	2	483	5.80	9	.01	3	1.20	.01	.07	1	200	
E 444721	2	276	33	23	6.1	97	7	639	1.55	50	5	ND	1 126	.3	12	12	5	2.89	.003	2	71	1.64	2	.01	8	.15	.01	.02	1	17	
E 444722	1	47	6	47	1.2	167	29	1346	4.26	104	5	ND	1 177	.6	2	2	47	5.86	.005	2	250	4.33	58	.01	2	1.92	.01	.11	1	2	
E 444723	1	36	11	39	3.3	27	15	1619	4.13	252	5	ND	1 185	.7	2	2	25	6.07	.005	2	23	3.30	55	.01	2	1.03	.01	.16	1	200	
E 444724	1	42	299	1654	3.8	56	16	1399	4.52	1277	5	ND	1 230	12.1	2	2	44	5.84	.004	2	88	3.79	21	.01	5	2.00	.01	.13	1	450	
E 444725	1	66	1496	3943	32.8	290	21	4932	3.94	2575	5	ND	1 279	28.7	18	2	26	6.72	.021	2	275	4.67	13	.01	4	1.50	.01	.04	1	1390	
E 444726	1	83	1867	6281	28.5	464	30	1922	2.82	956	5	ND	1 376	47.8	14	2	12	8.55	.006	2	227	5.02	8	.01	10	.67	.01	.03	1	360	
E 444727	1	25	338	308	4.8	512	41	1454	4.11	302	5	ND	1 414	3.1	2	2	23	9.58	.027	2	232	6.31	11	.01	2	.69	.01	.05	1	240	
E 444728	1	95	8	41	3.0	361	42	1281	5.48	28	5	ND	1 318	1.3	2	2	79	5.65	.100	2	166	5.84	38	.01	5	1.14	.01	.08	1	14	
E 444729	1	587	3	64	3.7	38	36	1102	8.39	4	5	ND	1 202	1.8	2	2	228	2.57	.211	4	37	4.63	33	.01	2	3.55	.01	.04	1	5	
E 444730	1	39	9	19	1.6	271	27	1881	3.48	96	5	ND	1 387	.9	2	2	28	8.49	.008	2	152	5.82	46	.01	4	.49	.01	.09	1	143	
E 444731	1	228	19	85	3.1	38	37	1045	9.30	46	5	ND	2 151	1.7	2	2	239	1.92	.220	3	26	5.65	29	.01	2	3.74	.01	.05	1	40	
E 444732	1	18	12	18	1.7	738	49	1437	3.55	127	5	ND	1 459	1.0	2	2	9	10.77	.006	2	436	6.89	100	.01	2	.32	.01	.01	1	27	
E 444733	1	343	2500	1212	378.0	226	16	11192	5.78	19944	9	5	2 207	10.8	272	2	10	6.67	.006	2	95	4.18	12	.01	2	.26	.01	.05	13	7690	
E 444734	1	47	8	18	1.9	635	44	1604	3.12	375	5	ND	1 461	.9	2	2	17	12.12	.003	2	615	6.44	20	.01	3	.61	.01	.03	1	220	
E 444735	1	50	200	593	5.9	581	42	1920	3.69	444	5	ND	1 316	4.9	4	2	15	10.77	.005	2	344	5.27	10	.01	2	.48	.01	.04	1	250	
E 444736	1	54	230	230	4.0	719	49	1261	3.49	638	5	ND	1 358	2.1	4	2	31	5.70	.003	2	899	8.19	204	.01	3	1.26	.01	.01	1	220	
E 444737	1	444	21856	26917	468.1	269	22	1839	8.19	10399	5	5	1 97	255.5	131	2	23	1.99	.003	2	105	1.92	9	.01	5	.79	.01	.08	58	4790	
STANDARD C/AU-R	17	58	35	131	7.0	69	31	1031	4.00	41	22	7	37	52	18.8	15	18	55	.51	.093	37	56	.92	180	.08	35	1.92	.06	.14	14	550

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
E 444738	1	43	812	1226	15.1	237	22	3197	3.80	641	5	ND	1 461	9.8	2	2	38	8.47	.006	2	134	5.22	46	.01	2	1.19	.01	.10	1	920	✓
E 444739	2	345	24539	28384	271.8	1185	61	2777	4.27	2791	5	ND	1 195	321.8	80	8	25	4.06	.007	2	275	2.93	14	.01	4	.83	.01	.09	2	1510	✓
E 444740	1	72	2809	2877	18.2	32	13	1158	4.41	404	5	ND	3 78	22.9	7	2	64	2.38	.046	3	57	3.02	63	.01	4	2.46	.01	.15	1	250	✓
E 444741	2	248	6497	6611	463.7	468	34	2891	3.84	2237	5	ND	1 239	37.9	61	2	23	6.10	.006	2	608	4.50	8	.01	2	1.06	.01	.03	1	5080	✓
E 444742	1	87	154	30	4.8	813	53	1575	3.10	993	5	ND	1 360	.6	5	2	22	9.57	.008	2	733	5.87	4	.01	2	.72	.01	.02	1	56	✓
E 444743	1	468	17484	20327	405.5	367	27	2590	6.96	5583	5	3	1 164	194.5	235	2	19	4.06	.021	2	304	3.16	19	.01	2	.85	.01	.09	3	3110	✓
E 444744	1	30	1145	4373	23.1	132	11	5472	2.89	514	8	ND	2 457	34.8	6	2	9	9.71	.016	2	76	5.26	113	.01	4	.70	.01	.08	1	250	✓
E 444745	1	177	3207	12192	161.6	741	56	4289	9.35	3595	5	ND	1 175	113.8	72	6	8	4.69	.008	2	305	3.69	13	.01	2	.41	.01	.08	2	1710	✓
E 444746	1	45	15	46	2.2	656	47	1609	3.00	425	5	ND	1 312	1.0	2	2	19	10.22	.003	2	1121	5.75	12	.01	4	.75	.01	.02	1	10	✓
E 444747	1	59	35	73	10.8	633	42	3681	2.58	839	5	ND	1 406	.9	2	2	13	9.81	.003	2	754	5.77	4	.01	4	.48	.01	.03	1	55	✓
E 444748	1	562	9494	26797	550.5	340	22	4804	6.63	12760	5	5	1 269	291.1	193	2	9	5.59	.004	2	258	3.76	5	.01	2	.27	.01	.04	2	6190	✓
E 444749	1	58	218	686	15.7	672	46	2016	3.24	1152	5	ND	1 379	5.3	14	2	8	10.29	.002	2	506	5.35	13	.01	2	.25	.01	.03	1	260	✓
STANDARD C/AU-R	18	58	38	131	7.1	70	31	1029	3.96	38	22	7	37 51	18.4	15	20	56	.50	.095	36	58	.91	176	.07	35	1.90	.06	.14	11	530	✓

✓ ASSAY IN PROGRESS

GEOCHEMICAL ANALYSIS CERTIFICATE

Ultraline Mining Services Ltd. File # 90-2125 Page 1

608 - 475 Howe St., Vancouver BC V6C 2B3 Submitted by: DOUG WOOD

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	ppb
R 6115	1	8	4	12	.3	376	31	813	3.42	18	5	ND	1	407	1.0	2	2	39	10.57	.003	2	695	7.64	118	.01	4	1.09	.01	.01	1	1
R 6116	1	32	17	45	1.4	705	50	832	4.12	385	5	ND	1	273	1.1	2	2	20	6.33	.004	2	764	9.36	130	.01	7	.72	.01	.01	1	7
R 6117	1	469	27015	39160	426.5	647	38	4853	4.59	2095	10	ND	1	221	353.7	178	3	12	6.81	.003	2	393	4.09	15	.01	3	.46	.01	.01	3	1210
R 6118	1	6	85	324	7.0	823	51	4036	6.22	776	5	ND	1	264	2.9	6	6	69	9.14	.004	2	565	8.05	13	.01	5	3.60	.01	.01	1	37
R 6119	1	120	7146	9542	96.0	171	27	3441	11.30	1577	5	ND	1	227	78.4	18	2	94	5.91	.005	2	111	6.08	15	.01	6	4.19	.01	.06	1	970
R 6120	1	245	14	30	.9	12	12	646	4.17	11	5	ND	1	152	1.2	8	2	13	3.63	.022	2	16	1.99	22	.01	4	1.88	.01	.10	1	6
R 6121	1	151	128	3930	31.1	10	12	1660	5.63	746	5	ND	1	93	30.5	23	2	12	2.68	.029	2	10	1.36	20	.01	2	.89	.01	.16	1	210
R 6122	1	193	20	49	1.3	21	17	859	4.44	29	5	ND	1	256	1.0	11	2	58	6.69	.014	2	22	2.95	24	.01	3	1.97	.02	.08	1	4
R 6123	1	111	4816	5997	151.4	516	36	3053	4.28	3042	7	ND	1	300	43.8	92	2	23	9.20	.007	2	600	4.19	7	.01	2	.92	.01	.03	1	960
R 6124	1	113	3962	7800	116.9	675	43	3615	4.16	1426	5	ND	1	253	59.5	87	2	17	12.28	.005	2	424	5.11	7	.01	3	.59	.01	.02	1	220
R 6125	2	306	20221	24972	465.8	437	36	1374	11.68	8775	5	ND	1	71	213.2	242	5	5	1.01	.007	2	62	.53	8	.01	4	.23	.01	.09	3	2840
R 6126	1	61	392	587	14.3	309	29	2154	5.37	651	5	ND	1	194	4.5	21	5	41	7.71	.014	2	577	4.38	16	.01	7	1.89	.01	.06	1	124
R 6127	1	384	11948	14711	456.8	377	32	2413	11.79	9977	5	ND	1	115	128.5	332	3	61	2.38	.028	2	375	3.62	9	.01	5	2.98	.01	.06	2	5010
R 6128	1	34	33	72	3.9	610	38	1405	4.47	257	5	ND	1	243	1.1	13	2	41	7.63	.016	2	346	8.63	9	.01	8	1.22	.01	.01	1	26
R 6129	1	15	50	91	3.0	459	40	1565	7.29	240	5	ND	1	220	1.6	3	2	114	5.37	.006	2	775	9.33	4	.01	7	6.07	.01	.01	1	5
R 6130	1	224	22927	27890	180.7	270	28	4948	11.51	6946	5	ND	1	143	247.6	35	2	82	4.01	.001	2	354	6.40	3	.01	12	4.19	.01	.03	2	3270
R 6131	1	54	382	197	16.4	799	48	2239	4.46	532	5	ND	1	253	2.0	25	2	11	13.69	.005	2	399	5.34	6	.01	9	.35	.01	.01	1	29
R 6132	2	544	21086	32935	406.4	629	44	2857	6.69	8761	8	4	1	223	287.7	331	4	11	7.54	.007	2	179	3.03	12	.01	3	.28	.01	.05	2	4710
R 6133	1	142	820	173	8.6	81	22	1431	4.59	920	5	ND	1	259	2.2	10	2	52	7.58	.010	2	109	3.80	19	.01	4	1.64	.01	.10	1	78
R 6134	1	5	46	93	2.3	277	32	1804	5.55	233	5	ND	1	362	.4	2	2	69	11.12	.019	2	496	7.68	8	.01	7	4.19	.01	.02	1	3
R 6135	1	39	1110	4961	48.3	492	32	3476	4.77	844	5	ND	1	380	34.5	5	2	38	12.83	.005	2	567	6.60	4	.01	2	1.61	.01	.01	1	340
R 6136	1	33	17	38	4.1	870	52	1266	2.92	739	5	ND	1	382	.4	2	2	6	13.61	.004	2	330	5.94	3	.01	3	.19	.01	.01	1	17
R 6137	1	25	13	26	4.7	671	46	2073	3.86	512	5	ND	1	309	.6	2	2	35	13.20	.004	2	1239	6.94	3	.01	7	1.59	.01	.01	1	3
R 6138	2	32	561	1279	28.5	740	51	3480	4.29	1015	5	ND	1	410	10.3	15	2	22	13.60	.004	2	591	6.27	9	.01	6	.95	.01	.04	1	260
R 6139	3	289	19083	24522	341.6	275	26	5537	6.48	2857	8	ND	1	198	216.3	174	6	16	6.30	.005	2	153	3.03	13	.01	2	.54	.01	.07	2	1420
R 6140	1	75	583	1144	22.5	970	60	2425	4.78	1055	5	ND	1	345	8.3	20	2	32	14.87	.009	2	614	6.52	3	.01	3	1.22	.01	.01	1	290
R 6141	1	53	2582	4378	58.4	576	40	2745	6.88	1020	5	ND	1	277	29.8	23	2	41	10.74	.033	2	482	7.02	56	.01	4	3.40	.01	.02	1	510
R 6142	1	86	2007	2543	34.4	460	37	2229	5.17	857	5	ND	1	288	17.2	16	2	49	10.05	.010	2	567	5.23	10	.01	3	2.44	.01	.03	1	530
R 6143	1	40	58	98	3.8	128	23	1817	7.21	57	5	ND	1	279	.8	2	2	120	9.64	.019	2	207	6.56	8	.01	3	5.31	.01	.02	1	12
E 66586	1	80	119	475	11.4	621	36	2116	3.77	711	5	ND	1	351	3.8	26	2	9	13.46	.006	2	322	5.60	4	.01	2	.32	.01	.01	1	27
E 66587	1	25	87	78	7.3	494	34	2753	3.88	678	5	ND	1	522	1.0	10	2	10	15.57	.006	2	231	6.46	11	.01	7	.18	.01	.01	1	48
E 66588	1	40	2024	2754	12.3	538	36	3749	5.60	1215	5	ND	1	383	19.9	10	2	16	14.04	.007	2	385	6.02	8	.01	6	.54	.01	.01	1	1130
E 66589	1	19	6	24	1.1	500	49	1818	5.71	242	5	ND	1	311	1.1	2	3	79	11.06	.004	2	904	7.91	3	.01	2	3.73	.01	.01	1	13
E 66590	1	17	14	28	1.1	409	35	1690	5.71	295	5	ND	1	526	.7	2	2	73	14.42	.005	2	296	8.27	8	.01	4	3.14	.01	.01	1	3
E 66591	1	198	3628	5081	149.4	744	53	2241	6.58	1353	5	ND	1	374	33.2	39	2	73	9.32	.018	2	745	6.85	6	.01	7	2.93	.01	.01	1	1090
E 66592	1	102	23	29	3.7	547	39	1432	5.18	140	5	ND	1	275	.6	2	2	51	12.23	.008	2	373	6.16	18	.01	4	1.92	.01	.05	1	1
STANDARD C/AU-R	20	62	37	137	7.7	70	29	1026	3.89	42	15	7	36	53	18.4	15	23	60	.50	.094	36	58	.84	181	.09	36	1.90	.05	.14	12	530

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 MN FE SR 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 ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 29 1990 DATE REPORT MAILED: July 5/90 SIGNED BY: C. Leong D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
E 665593	1	25	28	46	1.8	706	50	955	3.65	226	5	ND	1	264	1.3	2	8	33	9.28	.003	2	568	8.82	10	.01	3	1.68	.01	.01	1	29
E 665594	1	68	5	35	22.0	33	17	1107	4.97	87	5	ND	1	235	2.2	3	2	81	5.32	.005	2	37	3.93	46	.01	2	3.51	.01	.07	1	3
E 665595	1	67	836	1474	37.6	57	14	1375	4.27	1150	5	ND	1	404	12.1	19	3	23	9.21	.012	2	43	4.82	9	.01	2	.61	.01	.07	5	590
E 665596	1	75	1863	8905	11.6	22	9	1336	4.63	4419	5	ND	1	281	61.0	4	5	16	9.36	.015	2	21	4.93	8	.01	9	.95	.01	.05	5	1810

ASSAY IN PROGRESS

GEOCHEMICAL ANALYSIS CERTIFICATE

Ultraline Mining Services Ltd.

File # 90-2125

Page 1

608 - 475 Howe St., Vancouver BC V6C 2B3

Submitted by: DOUG WOOD

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	ppb
R 6115	1	8	4	12	.3	376	31	813	3.42	18	5	ND	1 407	1.0	2	2	39	10.57	.003	2	695	7.64	118	.01	4	1.09	.01	.01	1	1	
R 6116	1	32	17	45	1.4	705	50	832	4.12	385	5	ND	1 273	1.1	2	2	20	6.33	.004	2	764	9.36	130	.01	7	.72	.01	.01	1	7	
R 6117	1	469	27015	39160	426.5	647	38	4853	4.59	2095	10	ND	1 221	353.7	178	3	12	6.81	.003	2	393	4.09	15	.01	3	.46	.01	.01	3	1210	
R 6118	1	6	85	324	7.0	823	51	4036	6.22	776	5	ND	1 264	2.9	6	6	69	9.14	.004	2	565	8.05	13	.01	5	3.60	.01	.01	1	37	
R 6119	1	120	7146	9542	96.0	171	27	3441	11.30	1577	5	ND	1 227	78.4	18	2	94	5.91	.005	2	111	6.08	15	.01	6	4.19	.01	.06	1	970	
R 6120	1	245	14	30	.9	12	12	646	4.17	11	5	ND	1 152	1.2	8	2	13	3.63	.022	2	16	1.99	22	.01	4	1.88	.01	.10	1	6	
R 6121	1	151	128	3930	31.1	10	12	1660	5.63	746	5	ND	1 93	30.5	23	2	12	2.68	.029	2	10	1.36	20	.01	2	.89	.01	.16	1	210	
R 6122	1	193	20	49	1.3	21	17	859	4.44	29	5	ND	1 256	1.0	11	2	58	6.69	.014	2	22	2.95	24	.01	3	1.97	.02	.08	1	4	
R 6123	1	111	4816	5997	151.4	516	36	3053	4.28	3042	7	ND	1 300	43.8	92	2	23	9.20	.007	2	600	4.19	7	.01	2	.92	.01	.03	1	960	
R 6124	1	113	3962	7800	116.9	675	43	3615	4.16	1426	5	ND	1 253	59.5	87	2	17	12.28	.005	2	424	5.11	7	.01	3	.59	.01	.02	1	220	
R 6125	2	306	20221	24972	465.8	437	36	1374	11.68	8775	5	ND	1 71	213.2	242	5	5	1.01	.007	2	62	.53	8	.01	4	.23	.01	.09	3	2840	
R 6126	1	61	392	587	14.3	309	29	2154	5.37	651	5	ND	1 194	4.5	21	5	41	7.71	.014	2	577	4.38	16	.01	7	1.89	.01	.06	1	124	
R 6127	1	384	11948	14711	456.8	377	32	2413	11.79	9977	5	ND	1 115	128.5	332	3	61	2.38	.028	2	375	3.62	9	.01	5	2.98	.01	.06	2	5010	
R 6128	1	34	33	72	3.9	610	38	1405	4.47	257	5	ND	1 243	1.1	13	2	41	7.63	.016	2	346	8.63	9	.01	8	1.22	.01	.01	1	26	
R 6129	1	15	50	91	3.0	459	40	1565	7.29	240	5	ND	1 220	1.6	3	2	114	5.37	.006	2	775	9.33	4	.01	7	6.07	.01	.01	1	5	
R 6130	1	224	22927	27890	180.7	270	28	4948	11.51	6946	5	ND	1 143	247.6	35	2	82	4.01	.001	2	354	6.40	3	.01	12	4.19	.01	.03	2	3270	
R 6131	1	54	382	197	16.4	799	48	2239	4.46	532	5	ND	1 253	2.0	25	2	11	13.69	.005	2	399	5.34	6	.01	9	.35	.01	.01	1	29	
R 6132	2	544	21086	32935	406.4	629	44	2857	6.69	8761	8	4	1 223	287.7	331	4	11	7.54	.007	2	179	3.03	12	.01	3	.28	.01	.05	2	4710	
R 6133	1	142	820	173	8.6	81	22	1431	4.59	920	5	ND	1 259	2.2	10	2	52	7.58	.010	2	109	3.80	19	.01	4	1.64	.01	.10	1	78	
R 6134	1	5	46	93	2.3	277	32	1804	5.55	233	5	ND	1 362	.4	2	2	69	11.12	.019	2	496	7.68	8	.01	7	4.19	.01	.02	1	3	
R 6135	1	39	1110	4961	48.3	492	32	3476	4.77	844	5	ND	1 380	34.5	5	2	38	12.83	.005	2	567	6.60	4	.01	2	1.61	.01	.01	1	340	
R 6136	1	33	17	38	4.1	870	52	1266	2.92	739	5	ND	1 382	.4	2	2	6	13.61	.004	2	330	5.94	3	.01	3	.19	.01	.01	1	17	
R 6137	1	25	13	26	4.7	671	46	2073	3.86	512	5	ND	1 309	.6	2	2	35	13.20	.004	2	1239	6.94	3	.01	7	1.59	.01	.01	1	3	
R 6138	2	32	561	1279	28.5	740	51	3480	4.29	1015	5	ND	1 410	10.3	15	2	22	13.60	.004	2	591	6.27	9	.01	6	.95	.01	.04	1	260	
R 6139	3	289	19083	24522	341.6	275	26	5537	6.48	2857	8	ND	1 198	216.3	174	6	16	6.30	.005	2	153	3.03	13	.01	2	.54	.01	.07	2	1420	
R 6140	1	75	583	1144	22.5	970	60	2425	4.78	1055	5	ND	1 345	8.3	20	2	32	14.87	.009	2	614	6.52	3	.01	3	1.22	.01	.01	1	290	
R 6141	1	53	2582	4378	58.4	576	40	2745	6.88	1020	5	ND	1 277	29.8	23	2	41	10.74	.033	2	482	7.02	56	.01	4	3.40	.01	.02	1	510	
R 6142	1	86	2007	2543	34.4	460	37	2229	5.17	857	5	ND	1 288	17.2	16	2	49	10.05	.010	2	567	5.23	10	.01	3	2.44	.01	.03	1	530	
R 6143	1	40	58	98	3.8	128	23	1817	7.21	57	5	ND	1 279	.8	2	2	120	9.64	.019	2	207	6.56	8	.01	3	5.31	.01	.02	1	12	
E 66586	1	80	119	475	11.4	621	36	2116	3.77	711	5	ND	1 351	3.8	26	2	9	13.46	.006	2	322	5.60	4	.01	2	.32	.01	.01	1	27	
E 66587	1	25	87	78	7.3	494	34	2753	3.88	678	5	ND	1 522	1.0	10	2	10	15.57	.006	2	231	6.46	11	.01	7	.18	.01	.01	1	48	
E 66588	1	40	2024	2754	12.3	538	36	3749	5.60	1215	5	ND	1 383	19.9	10	2	16	14.04	.007	2	385	6.02	8	.01	6	.54	.01	.01	1	1130	
E 66589	1	19	6	24	1.1	500	49	1818	5.71	242	5	ND	1 311	1.1	2	3	79	11.06	.004	2	904	7.91	3	.01	2	3.73	.01	.01	1	13	
E 66590	1	17	14	28	1.1	409	35	1690	5.71	295	5	ND	1 526	.7	2	2	73	14.42	.005	2	296	8.27	8	.01	4	3.14	.01	.01	1	3	
E 66591	1	198	3628	5081	149.4	744	53	2241	6.58	1353	5	ND	1 374	33.2	39	2	73	9.32	.018	2	745	6.85	6	.01	7	2.93	.01	.01	1	1090	
E 66592	1	102	23	29	3.7	547	39	1432	5.18	140	5	ND	1 275	.6	2	2	51	12.23	.008	2	373	6.16	18	.01	4	1.92	.01	.05	1	1	
STANDARD C/AU-R	20	62	37	137	7.7	70	29	1026	3.89	42	15	7	36	53	18.4	15	23	60	.50	.094	36	58	.84	181	.09	36	1.90	.05	.14	12	530

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 MN FE SR 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 ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 29 1990 DATE REPORT MAILED: July 5/90 SIGNED BY: C. Leong D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
E 665593	1	25	28	46	1.8	706	50	955	3.65	226	5	ND	1	264	1.3	2	8	33	9.28	.003	2	568	8.82	10	.01	3	1.68	.01	.01	1	29
E 665594	1	68	5	35	22.0	33	17	1107	4.97	87	5	ND	1	235	2.2	3	2	81	5.32	.005	2	37	3.93	46	.01	2	3.51	.01	.07	1	3
E 665595	1	67	836	1474	37.6	57	14	1375	4.27	1150	5	ND	1	404	12.1	19	3	23	9.21	.012	2	43	4.82	9	.01	2	.61	.01	.07	5	590
E 665596	1	75	1863	8905	11.6	22	9	1336	4.63	4419	5	ND	1	281	61.0	4	5	16	9.36	.015	2	21	4.93	8	.01	9	.95	.01	.05	5	1810

ASSAY IN PROGRESS

GEOCHEMICAL ANALYSIS CERTIFICATE

Ultraline Mining Services Ltd. PROJECT RCR File # 90-1906 Page 1

608 - 475 Howe St., Vancouver BC V6C 2B3 Submitted by: R.D. WESTERVELT

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	ppb
444631 H	1	79	8	69	.9	34	20	1263	6.01	13	5	ND	1	189	.2	3	2	128	3.35	.010	2	63	3.61	22	.01	3	4.50	.01	.04	2	3
444632 H	2	581	8685	15376	297.1	166	21	1289	3.99	1355	5	ND	1	197	134.8	113	6	51	4.18	.008	2	101	2.90	13	.01	4	1.82	.01	.07	2	590
444633 H	2	2280	800	751	145.6	280	81	921	3.62	235	5	ND	1	95	13.0	14	261	19	3.64	.003	2	86	2.40	3	.01	5	1.11	.01	.01	1	55
444634 H	1	36	400	565	4.9	110	21	2024	5.08	349	5	ND	1	140	4.1	4	2	68	4.27	.009	2	164	4.58	19	.01	2	3.41	.01	.07	2	13
444635 H	2	341	22087	35235	402.6	452	42	1119	8.24	9376	5	3	1	67	325.8	219	3	13	1.62	.003	2	196	1.36	11	.01	7	.59	.01	.07	3	4690
444636 H	1	47	22	46	1.9	916	57	1073	3.11	273	5	ND	1	327	.4	2	2	7	7.68	.007	2	492	7.94	2	.01	2	.40	.01	.01	1	11
444637 H	1	69	34	66	2.0	870	58	1530	3.19	225	5	ND	1	611	.7	2	2	12	11.66	.002	2	713	6.81	3	.01	2	.57	.01	.01	1	5
444638 H	1	28	61	140	2.2	774	47	3525	3.61	682	5	ND	1	359	1.3	2	2	17	9.05	.004	2	625	7.75	2	.01	2	.56	.01	.01	1	29
444639 H	1	170	6	48	4.0	382	42	1711	6.54	215	5	ND	1	303	1.0	2	3	138	6.78	.103	2	488	7.64	3	.01	2	4.31	.01	.01	1	8
444640 H	1	237	1959	14623	196.7	632	37	1649	4.08	8979	5	3	1	338	127.8	55	2	22	8.26	.003	2	493	5.08	6	.01	3	1.15	.01	.02	2	4510
444641 H	1	87	2427	2968	80.3	709	44	3328	3.09	870	5	ND	1	335	23.8	32	2	12	9.41	.003	2	525	4.84	3	.01	4	.46	.01	.02	1	270
444642 H	1	1212	20892	9437	453.3	661	40	1903	4.10	1261	5	ND	1	326	85.6	826	2	51	8.52	.032	2	519	5.67	7	.01	4	1.89	.01	.02	2	990
444643 H	1	80	332	549	11.9	512	37	1606	3.70	237	5	ND	1	293	3.9	2	2	50	8.82	.005	2	403	5.11	33	.01	5	2.21	.01	.05	1	200
444644 H	1	58	157	164	7.6	232	22	1985	5.01	215	5	ND	1	224	1.0	2	3	66	6.24	.008	2	331	5.39	8	.01	3	3.67	.01	.04	1	6
444645 H	1	71	1490	3204	27.0	123	19	2684	6.11	1096	5	ND	1	104	24.9	9	2	41	3.94	.017	2	92	3.72	19	.01	2	2.02	.01	.08	1	510
444646 H	1	25	71	48	5.6	603	44	1656	3.41	459	5	ND	1	208	.3	2	2	13	4.12	.011	2	442	8.15	14	.01	5	.82	.01	.04	1	22
444647 H	1	41	53	84	3.0	795	50	1036	3.36	254	5	ND	1	374	.8	2	2	16	6.22	.003	2	439	10.05	2	.01	2	.70	.01	.01	1	19
444648 H	1	50	618	2055	9.5	903	54	1420	3.52	364	5	ND	1	502	16.1	2	3	22	9.45	.002	2	732	7.23	3	.01	4	1.00	.01	.01	1	210
444649 H	1	41	19	36	2.2	735	46	1482	3.10	112	5	ND	1	381	.4	2	2	10	9.69	.004	2	490	5.30	2	.01	2	.53	.01	.01	1	13
444650	1	27	6	18	1.2	730	48	1459	3.12	79	5	ND	1	371	.3	2	2	9	10.66	.002	2	547	5.56	3	.01	2	.34	.01	.01	1	5
444701 H	1	38	31	77	2.4	576	38	1429	3.36	303	5	ND	1	316	.6	2	2	25	7.79	.012	2	465	5.00	10	.01	2	1.55	.01	.02	1	13
STANDARD C/AU-R	17	57	37	129	7.3	70	31	1027	4.03	43	17	7	37	53	18.5	16	19	56	.51	.087	37	58	.93	184	.09	35	1.95	.06	.14	11	530

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 MN FE SR 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: P1 Core P2 Sludge AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 20 1990 DATE REPORT MAILED: June 30/90 SIGNED BY: R.D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
444750 H	20	771	25101	48930	226.4	647	39	1195	4.17	6072	5	ND	2	106	559.0	59	2	14	2.79	.014	3	314	1.74	12	.02	5	.43	.01	.06	3	2308

GEOCHEMICAL ANALYSIS CERTIFICATE

Ultraline Mining Services Ltd. File # 90-5229

608 - 475 Howe St., Vancouver BC V6C 2B3

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	M	Au**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb
B 94570	1	21	3	8	.3	461	38	1157	2.88	14	5	ND	2	285	.4	2	2	15	10.32	.009	2	249	6.70	12	.01	2	.48	.01	.03	1	8
B 94571	1	19	2	15	.3	955	48	754	4.50	15	5	ND	1	149	.4	2	2	54	3.92	.031	2	471	9.72	17	.01	2	2.54	.01	.01	1	50
B 94572	1	18	2	9	.4	1218	54	1249	3.43	19	5	ND	2	307	.5	2	2	12	9.42	.004	2	619	8.87	10	.01	2	.24	.01	.02	1	11
B 94573	1	5	2	1	.1	911	56	990	3.38	15	5	ND	2	281	.3	2	3	11	10.86	.004	2	447	8.49	3	.01	3	.27	.01	.01	1	12
B 94574	1	15	2	4	.1	1170	60	854	3.86	14	5	ND	2	185	.2	2	2	12	3.02	.004	2	417	13.83	7	.01	4	.29	.01	.02	1	8
B 94575	1	21	146	198	1.7	891	47	1517	3.10	40	5	ND	1	353	1.6	2	2	18	5.85	.003	2	390	9.10	12	.01	2	.57	.01	.03	1	271
B 94576	1	83	2	47	.3	68	22	901	4.56	9	5	ND	1	148	.2	2	2	78	4.28	.008	2	135	3.91	24	.01	3	2.86	.01	.10	2	19
B 94577	1	65	294	2359	42.4	175	23	1368	4.29	268	5	ND	1	217	19.2	5	2	60	6.65	.005	2	225	3.91	11	.01	3	2.01	.01	.07	1	339
B 94578	1	120	3	39	.5	41	19	960	4.91	10	5	ND	2	191	.3	2	2	101	4.24	.009	2	71	3.52	283	.01	3	3.89	.01	.08	1	10
B 94579	1	23	4	54	.6	356	24	1383	3.49	161	5	ND	1	230	.3	2	2	28	8.21	.028	2	209	4.37	227	.01	3	1.58	.01	.05	1	7
B 94580	1	46	689	1509	9.1	123	17	1796	5.39	353	5	ND	2	178	10.6	2	2	51	5.88	.014	2	117	4.03	19	.01	3	2.32	.01	.09	1	274
B 94581	1	41	2	51	.6	70	22	1026	4.80	10	5	ND	2	176	.2	2	2	92	4.05	.007	2	121	3.71	22	.01	3	3.12	.01	.11	1	8
B 94582	1	81	5	61	.5	46	20	981	4.69	5	5	ND	1	198	.3	2	2	105	5.14	.007	2	113	3.86	59	.01	3	2.80	.01	.10	1	5
B 94583	1	123	2	64	.4	32	23	850	5.58	10	5	ND	1	101	.4	2	2	104	1.65	.012	2	49	3.64	67	.01	3	3.97	.01	.10	1	7
B 94584	1	32	11	42	1.1	377	29	1256	2.84	41	5	ND	2	278	.4	2	2	20	6.80	.026	2	352	5.49	27	.01	3	1.14	.01	.09	1	18
B 94585	1	11	25	27	.9	934	50	738	3.51	49	5	ND	1	81	.3	2	2	19	1.17	.003	2	375	14.02	8	.01	4	.39	.01	.03	2	15
B 94586	1	74	404	1181	24.2	602	42	1061	3.94	1015	5	ND	2	202	8.6	2	2	43	3.52	.024	2	319	8.95	7	.01	2	1.01	.01	.03	1	700
B 94587	1	337	6204	7824	223.7	698	42	1044	3.56	1647	5	ND	1	259	58.7	180	2	17	5.68	.006	2	419	8.54	12	.01	2	.61	.01	.03	2	796
B 94588	1	242	5150	8872	225.5	495	32	1784	4.54	3344	5	ND	1	271	69.0	65	5	39	5.15	.013	2	602	5.79	12	.01	2	1.63	.01	.04	3	2248
B 94589	1	8	19	22	1.2	980	57	553	3.53	10	5	ND	2	50	.2	2	2	10	.75	.004	2	312	14.44	13	.01	4	.21	.01	.02	1	36
B 94590	1	24	12	24	.9	1040	57	524	3.34	17	5	ND	2	236	.3	2	2	13	4.71	.003	2	395	10.81	51	.01	3	.33	.01	.01	1	11
B 94591	1	97	2	30	.2	74	20	765	4.67	7	5	ND	1	96	.2	2	2	104	2.68	.011	2	65	3.03	15	.02	3	2.88	.01	.07	1	4
B 94592	1	284	2	29	.3	27	23	877	5.36	8	5	ND	1	60	.4	2	2	125	2.29	.013	2	34	2.38	6	.09	3	2.76	.02	.02	1	8
B 94593	1	163	2	33	.3	33	16	600	3.76	5	5	ND	2	56	.2	2	2	83	1.29	.010	2	75	2.17	4	.11	2	2.23	.02	.03	1	4
B 94594	1	84	2	44	.2	21	17	555	3.38	10	5	ND	1	64	.3	2	2	70	1.93	.007	2	22	2.01	3	.13	2	2.18	.01	.01	1	1
STANDARD C/AU-R	19	59	37	132	7.0	73	31	1054	3.96	40	16	7	40	53	19.0	15	20	61	.46	.099	41	60	.90	189	.07	36	1.91	.06	.14	13	506

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 MN FE SR 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 FA/ICP FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 12 1990 DATE REPORT MAILED: *Oct 17/90* SIGNED BY: *C. Leung* .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

✓ ASSAY RECOMMENDED

GEOCHEMICAL ANALYSIS CERTIFICATE

Ultraline Mining Services Ltd. File # 90-5886 Page 1

608 - 475 Howe St., Vancouver BC V6C 2B3 Submitted by: D. WOOD

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	ppb
D 59593	1	55	2	41	.2	45	19	782	3.59	9	5	ND	1	136	.3	2	2	60	5.73	.032	2	63	2.93	567	.01	4	3.06	.02	.05	2	5
D 59594	1	40	3	50	.1	92	24	883	4.03	5	5	ND	1	84	.6	2	2	90	4.46	.004	2	184	3.64	74	.01	4	3.76	.03	.07	1	1
D 59595	1	21	2	60	.1	95	22	972	4.31	9	5	ND	1	54	.8	2	2	79	5.22	.029	3	249	4.85	9	.01	4	3.45	.01	.07	2	9
D 59596	1	62	2	144	.2	261	38	954	4.19	19	5	ND	1	55	.8	2	2	86	5.56	.005	2	669	6.39	3	.01	4	4.09	.01	.02	1	3
D 59597	1	34	3	34	.1	231	26	682	2.03	19	5	ND	1	71	.2	3	2	38	5.75	.003	2	770	4.03	7	.01	2	1.47	.01	.01	1	3
D 59598	1	30	2	27	.2	395	29	594	2.65	3	5	ND	2	41	.3	3	2	33	1.99	.040	2	574	4.37	60	.01	3	1.76	.01	.04	1	10
D 59599	1	4	4	26	.2	149	17	507	2.74	14	5	ND	2	42	.2	2	3	31	1.75	.036	6	401	4.19	182	.01	4	1.77	.01	.10	1	6
D 59600	1	49	2	14	.2	335	29	703	2.73	2	5	ND	1	58	.4	2	2	41	4.19	.006	2	501	6.72	17	.01	3	1.48	.01	.02	1	5
D 59601	1	17	3	26	.1	131	19	809	2.89	8	5	ND	1	84	.4	2	2	67	4.99	.004	2	310	5.92	59	.01	3	2.85	.01	.03	1	5
D 59602	1	12	2	14	.1	699	40	661	3.10	8	5	ND	1	143	.4	2	2	33	4.18	.003	2	411	9.96	114	.01	3	1.38	.01	.02	1	6
D 59603	1	17	5	51	.3	578	37	665	4.04	62	5	ND	1	201	.7	2	2	69	3.12	.007	2	391	10.61	15	.01	4	2.24	.01	.03	1	21
D 59604	1	13	66	322	1.1	544	36	860	3.21	190	5	ND	1	317	2.7	3	2	40	5.45	.002	2	574	8.51	114	.01	3	1.70	.01	.01	1	30
D 59605	1	21	35	42	1.3	1033	49	1267	2.88	184	5	ND	1	247	.6	5	2	8	7.06	.002	2	475	9.12	287	.01	2	.24	.01	.01	1	17
D 59606	1	17	2	7	.4	924	53	845	3.23	18	5	ND	1	207	.2	2	2	12	5.26	.003	2	440	11.37	87	.01	3	.35	.01	.01	1	9
D 59607	1	16	2	7	.3	774	52	652	3.25	7	5	ND	1	101	.3	2	2	11	2.71	.002	2	459	12.20	36	.01	3	.31	.01	.01	1	6
D 59608	1	14	3	5	.3	800	48	690	2.61	7	5	ND	1	54	.2	2	2	8	1.68	.001	2	371	9.77	2	.01	3	.22	.01	.01	1	11
D 59609	1	22	2	8	.7	861	47	1002	3.00	3	5	ND	1	381	.4	2	2	28	8.23	.002	2	728	8.95	178	.01	3	.52	.01	.01	1	7
D 59610	1	71	192	509	4.9	672	34	1692	2.45	48	5	ND	1	476	4.1	2	2	14	10.57	.003	2	467	8.30	17	.01	2	.34	.01	.01	1	37
D 59611	1	22	7	11	.7	973	48	1039	2.89	17	5	ND	1	470	.3	2	2	11	11.82	.002	2	503	8.34	23	.01	2	.26	.01	.01	1	5
D 59612	1	17	2	4	.2	527	34	460	2.80	7	5	ND	1	91	.2	3	2	10	1.06	.002	2	412	11.40	29	.01	3	.14	.01	.01	1	3
D 59613	1	21	2	5	.2	523	57	443	3.12	6	5	ND	1	42	.2	2	2	8	1.09	.002	2	420	9.60	5	.01	3	.10	.01	.01	2	7
D 59614	1	26	2	18	.2	585	45	730	3.02	4	5	ND	1	173	.3	2	2	26	4.50	.002	2	466	7.58	6	.01	3	.88	.01	.01	1	6
D 59615	1	24	2	3	.2	712	53	523	3.53	2	5	ND	1	52	.2	2	2	13	1.08	.002	2	392	11.33	142	.01	4	.22	.01	.01	1	4
D 59616	1	21	3	9	.3	1112	62	459	4.16	6	5	ND	1	85	.2	2	2	13	1.46	.002	2	474	15.88	4	.01	4	.22	.01	.01	2	8
D 59617	1	17	3	5	.4	1065	62	511	3.56	5	5	ND	1	190	.4	2	2	10	2.64	.003	2	414	13.86	2	.01	3	.18	.01	.02	1	7
D 59618	1	14	2	6	.3	1103	53	542	3.71	9	5	ND	1	130	.3	2	2	13	1.95	.003	2	428	14.29	77	.01	4	.29	.01	.01	1	8
D 59619	1	13	12	13	.6	1301	58	925	3.75	9	6	ND	1	338	.4	2	2	13	5.03	.003	2	508	14.28	2	.01	3	.24	.01	.01	1	10
D 59620	1	25	266	558	5.1	304	25	1021	4.29	84	5	ND	2	255	4.1	2	2	49	5.39	.045	2	191	5.98	18	.01	4	3.88	.01	.05	1	38
D 59621	1	26	36	31	.6	674	46	1001	2.91	70	5	ND	1	292	.6	3	2	13	8.39	.002	2	459	7.77	2	.01	2	.46	.01	.01	1	77
D 59622	1	3	2	26	.2	203	31	1221	3.52	33	5	ND	1	230	.4	2	2	86	6.93	.001	2	564	7.46	5	.01	3	3.18	.01	.01	1	64
D 59623	1	65	4	14	.8	625	35	1066	2.51	110	5	ND	1	338	.3	2	2	24	8.87	.004	2	452	5.77	6	.01	3	1.00	.01	.03	1	64
D 59624	1	211	9448	20029	240.4	357	27	2901	4.02	1448	5	2	1	272	163.6	61	2	16	6.50	.016	2	338	3.76	12	.01	4	1.05	.01	.05	2	1727
D 59625	1	62	20	41	1.3	669	37	1420	2.46	263	5	ND	1	464	.5	2	2	17	12.43	.003	2	436	6.80	24	.01	2	.71	.01	.04	1	3
D 59626	1	28	2	25	.7	526	31	841	2.58	77	5	ND	2	258	.2	2	2	19	6.28	.015	2	309	5.35	14	.01	3	2.32	.01	.06	1	1
D 59627	1	17	5	32	.4	986	48	602	3.23	2	5	ND	1	99	.2	2	2	13	2.00	.009	2	321	12.53	9	.01	3	.68	.01	.02	1	2
D 59628	1	13	2	18	.2	274	25	947	2.50	3	5	ND	1	186	.4	2	2	68	7.69	.004	2	608	7.20	314	.01	3	1.75	.01	.03	1	2
STANDARD C/AU-R	18	57	39	131	6.9	72	31	1054	3.97	40	21	7	39	53	19.6	14	20	57	.46	.098	39	59	.90	182	.07	36	1.90	.06	.13	11	490

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 MN FE SR 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 FA/ICP FROM 10 GM SAMPLE.

DATE RECEIVED: NOV 14 1990 DATE REPORT MAILED: Nov 19/90 SIGNED BY: [Signature] D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL ANALYSIS CERTIFICATE

Ultraline Mining Services Ltd. File # 90-5901 Page 1

608 - 475 Howe St., Vancouver BC V6C 2B3 Submitted by: D. WOOD

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
D 59555 90-19	1	14	3	10	.1	423	40	648	3.71	11	5	ND	1	209	.2	3	2	41	4.23	.012	2	628	8.87	42	.01	5	1.31	.01	.01	1	11
D 59556	1	13	2	12	.4	1041	58	729	3.70	8	5	ND	1	420	.2	2	2	19	5.81	.001	2	661	11.53	4	.01	2	.62	.01	.01	1	102
D 59557	1	21	5	21	.4	599	45	820	3.05	17	5	ND	1	344	.2	2	2	35	7.55	.002	2	386	7.58	5	.01	2	1.31	.01	.01	1	12
D 59558	1	17	2	60	.1	55	27	1231	6.49	2	5	ND	1	88	.9	2	2	174	1.10	.009	2	144	5.37	34	.01	2	5.63	.02	.11	1	1
D 59559	1	51	3	51	.5	74	25	1295	6.28	2	5	ND	1	224	1.0	2	2	137	5.15	.007	2	187	3.01	64	.01	2	4.10	.02	.11	1	10
D 59560	1	133	2	51	.1	28	20	967	5.63	2	5	ND	1	131	.7	2	2	117	2.18	.011	2	39	2.69	52	.01	2	3.75	.02	.11	1	1
D 59561	1	75	2	59	.3	74	23	971	5.29	2	5	ND	1	158	.6	2	2	113	3.04	.010	2	252	3.66	19	.01	2	4.68	.01	.08	1	17
D 59562	1	32	2	53	.4	67	21	1011	4.49	2	5	ND	1	165	.5	2	2	87	3.64	.010	2	229	3.77	54	.01	2	4.03	.01	.09	1	41
D 59563	1	144	173	505	6.7	238	23	1446	3.62	106	5	ND	1	283	3.8	2	2	53	7.65	.005	2	231	3.89	14	.01	2	2.69	.01	.05	1	80
D 59564	1	73	358	321	8.9	127	20	1466	4.05	377	5	ND	1	249	2.6	3	2	30	7.21	.009	2	138	3.38	24	.01	2	1.19	.01	.14	1	95
D 59565	1	50	3	46	.2	72	23	1022	4.73	9	5	ND	1	139	.5	2	2	70	4.65	.007	2	150	3.39	18	.01	2	2.93	.01	.10	1	47
D 59566	1	24	2	30	.1	50	18	982	4.35	2	5	ND	1	234	.3	2	2	92	5.63	.004	2	125	3.55	34	.01	2	3.78	.01	.06	1	15
D 59567	1	6	2	43	.1	69	25	1022	5.31	2	5	ND	1	158	.7	2	2	149	2.85	.009	2	259	3.88	15	.01	2	4.36	.02	.05	1	1
D 59568	1	75	3	41	.1	67	23	973	5.11	2	5	ND	1	188	.6	2	2	96	4.21	.010	2	150	3.44	20	.01	2	3.71	.02	.09	1	36
D 59569	3	66	2	58	.8	114	22	1160	4.84	2	5	ND	1	195	.7	2	2	77	5.73	.006	2	246	3.79	17	.01	2	2.86	.01	.09	1	2
D 59570	1	34	15	66	3.4	761	49	797	3.85	12	5	ND	1	340	.6	2	2	39	5.62	.004	2	577	10.66	6	.01	2	1.68	.01	.03	1	20
D 59571	1	13	2	7	.1	738	52	619	3.68	2	5	ND	1	174	.2	4	2	17	1.89	.002	2	541	13.37	12	.01	5	.33	.01	.01	1	2
D 59572	1	23	31	62	1.1	897	48	973	3.46	14	5	ND	1	150	.6	2	2	23	3.63	.002	2	539	11.48	18	.01	2	.82	.01	.01	1	22
D 59573	1	16	5	20	.4	831	52	872	3.32	14	5	ND	1	158	.2	3	2	15	4.44	.002	2	597	12.12	20	.01	3	.50	.01	.02	1	9
D 59574	1	1	3	4	.1	600	47	670	3.33	2	5	ND	1	51	.2	5	2	13	.90	.003	2	353	13.16	300	.01	5	.29	.01	.01	1	43
D 59575	1	7	3	4	.1	706	48	594	3.41	2	5	ND	1	84	.2	4	2	22	1.87	.001	2	379	13.28	107	.01	4	.97	.01	.01	1	15
D 59576	1	36	2	9	.1	557	35	352	2.11	3	5	ND	1	132	.2	4	2	14	2.43	.002	2	387	6.04	5	.01	3	.45	.01	.01	1	14
D 59577	1	12	13	45	.2	688	39	566	2.85	8	5	ND	1	135	.2	2	2	32	3.75	.002	2	865	8.81	2	.01	2	1.23	.01	.01	1	23
D 59578 90-20	1	46	21	35	1.1	340	56	831	3.81	22	5	ND	1	85	.5	3	2	52	2.63	.002	2	655	8.97	25	.01	2	1.15	.01	.01	1	27
D 59579	1	22	2	6	.1	777	62	796	4.33	2	5	ND	1	45	.2	2	2	18	.69	.002	2	401	14.70	9	.01	2	.61	.01	.02	1	6
D 59580	1	41	2	7	.2	1137	65	675	4.02	2	5	ND	1	100	.2	3	2	12	1.43	.002	2	558	16.13	3	.01	4	.30	.01	.02	1	4
D 59581	1	54	2	5	.5	1065	61	851	3.57	5	12	ND	1	463	.3	2	2	11	11.29	.002	2	444	9.49	5	.01	3	.33	.01	.02	1	16
D 59582	1	59	2	5	.3	987	53	884	3.99	4	13	ND	1	589	.4	2	2	16	9.18	.002	2	574	11.02	190	.01	2	.48	.01	.02	1	14
D 59583	1	7	3	6	.1	1168	60	736	3.48	4	5	ND	1	364	.3	3	2	10	5.38	.002	2	409	14.46	15	.01	2	.15	.01	.01	1	12
D 59584	1	5	2	5	.3	1169	53	1071	3.57	3	9	ND	1	488	.3	2	2	10	12.37	.001	2	394	9.87	159	.01	2	.19	.01	.02	1	1
D 59585	1	26	2	9	.2	954	41	512	2.59	2	7	ND	1	403	.2	2	2	9	8.10	.002	2	338	10.23	13	.01	2	.11	.01	.02	1	1
D 59586	1	73	3	65	.1	195	25	1100	4.95	2	5	ND	1	183	.7	2	2	103	5.88	.008	2	149	4.39	386	.01	2	3.18	.01	.10	1	1
D 59587	1	148	2	68	.1	58	22	917	4.78	2	5	ND	1	157	.6	2	2	105	4.40	.007	2	150	2.93	134	.01	2	2.97	.02	.05	1	1
D 59588	1	131	4	68	.3	98	22	966	4.85	2	5	ND	1	162	.6	2	2	94	3.77	.010	2	149	3.47	123	.01	2	3.14	.02	.07	1	1
D 59589	1	90	3	81	.1	54	24	1041	5.71	2	5	ND	1	150	.6	2	2	125	2.69	.009	2	118	2.94	209	.01	2	3.16	.03	.06	1	5
D 59590	1	73	4	52	.1	57	23	999	4.93	2	5	ND	1	178	.5	2	2	110	3.92	.009	2	94	2.98	96	.01	2	2.86	.03	.07	1	27
STANDARD C/AU-R	19	57	40	131	6.8	73	31	1054	3.98	38	19	7	39	52	18.9	14	20	59	.46	.095	40	61	.90	188	.07	34	1.90	.06	.14	13	476

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 MN FE SR 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 FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: NOV 15 1990 DATE REPORT MAILED: Nov 21/90 SIGNED BY: C. Leong, J. Wang; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
D 59591	1	168	13	58	.6	33	19	1086	5.86	.22	5	ND	1	139	.2	7	2	55	3.34	.028	2	36	2.69	21	.01	2	3.11	.02	.07	1	11
D 59592	1	60	79	50	8.4	37	19	1968	5.77	381	5	ND	1	166	.2	7	2	32	5.57	.013	2	20	2.67	20	.01	6	1.04	.02	.16	1	97

GEOCHEMICAL ANALYSIS CERTIFICATE

Ultraline Mining Services Ltd. File # 90-5621 Page 1
608 - 475 Howe St., Vancouver BC V6C 2B3

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
Z 2651	1	78	5	20	6.5	180	28	1151	2.47	115	5	ND	1	253	.3	2	2	67	8.05	.003	2	477	4.85	2	.01	2	1.52	.01	.01	1
Z 2652	1	189	6958	10540	186.4	331	19	2327	7.59	36840	5	9	1	78	81.7	116	2	20	1.55	.003	2	415	2.17	2	.01	2	.76	.01	.02	3
Z 2653	1	78	170	281	13.2	658	43	2199	3.08	1126	5	ND	1	218	2.2	11	2	34	4.86	.002	2	1217	8.42	1	.01	2	1.17	.01	.02	1
Z 2654	2	810	43547	68276	371.5	781	51	1902	5.03	2606	5	2	2	60	598.7	204	2	13	.82	.010	2	511	1.40	17	.01	4	.82	.01	.16	2
Z 2655	1	44	38	174	1.8	621	38	1563	2.51	157	5	ND	1	376	1.5	2	2	18	8.87	.003	2	508	7.83	4	.01	2	.69	.01	.04	1
Z 2656	1	38	2	58	.8	321	35	1531	5.06	27	5	ND	1	251	.4	2	2	114	3.18	.002	2	330	9.60	3	.01	2	6.49	.01	.03	1
Z 2657	1	20	3	22	.4	1274	63	531	3.60	15	5	ND	1	172	.2	2	2	15	2.20	.004	2	545	15.57	3	.01	2	.28	.01	.01	1
Z 2658	1	22	4	15	.3	486	40	726	3.27	17	5	ND	1	146	.3	3	2	37	2.74	.003	2	478	10.23	13	.01	2	1.32	.01	.01	1
Z 2659	1	13	2	5	.3	400	34	794	3.38	11	5	ND	1	24	.2	2	2	21	.48	.004	2	928	11.73	65	.01	7	.54	.01	.01	1
Z 2660	1	13	2	5	.2	804	58	614	3.55	11	5	ND	1	37	.2	2	2	15	.96	.003	2	457	12.28	2	.01	11	.18	.01	.01	1
Z 2661	1	14	2	11	.2	312	33	516	3.10	14	5	ND	1	66	.2	3	2	43	1.84	.002	2	363	9.29	3	.01	4	3.42	.02	.01	1
Z 2662	1	46	3	11	1.0	271	30	872	1.75	16	5	ND	1	133	.2	2	2	28	7.32	.003	2	539	4.11	3	.01	2	1.10	.02	.01	1
Z 2678	1	21	2	16	.3	555	46	1045	3.58	19	5	ND	1	366	.2	2	2	22	6.85	.004	2	590	8.67	17	.01	2	.45	.01	.02	1
Z 2679	1	19	2	19	.4	497	41	849	3.28	34	5	ND	1	331	.4	2	2	42	9.03	.014	2	623	7.72	8	.01	2	1.30	.01	.01	1
Z 2680	1	14	3	15	.7	520	40	972	3.27	67	5	ND	1	406	.3	2	2	44	10.02	.003	2	800	7.36	6	.01	2	1.37	.01	.01	1
Z 2681	1	130	6326	11488	67.4	515	36	3079	3.90	806	5	ND	1	255	95.1	30	2	35	7.06	.004	2	749	4.51	6	.01	2	1.24	.01	.06	2
Z 2682	1	46	8	69	1.0	82	22	1074	4.36	43	5	ND	1	135	.6	4	2	61	5.11	.009	2	162	3.47	41	.01	2	3.97	.02	.14	1
Z 2683	1	32	68	360	1.4	122	21	1493	4.49	170	5	ND	1	141	2.5	2	2	66	5.16	.009	2	153	3.59	94	.01	2	4.67	.01	.14	1
Z 2684	1	171	51	104	.9	41	18	1094	4.24	35	5	ND	1	196	1.0	2	2	84	5.27	.008	2	78	3.30	20	.01	2	4.91	.01	.11	1
Z 2685	1	63	20	73	5.1	23	13	1428	4.22	158	5	ND	1	220	.5	4	2	36	8.01	.008	2	22	3.36	28	.01	3	1.51	.01	.22	1
Z 2686	1	145	7413	6565	102.7	73	12	1719	4.37	2233	5	2	1	333	47.1	30	2	22	11.45	.018	2	49	4.39	11	.01	2	.72	.01	.13	1
Z 2687	1	55	757	618	7.2	442	34	1532	3.79	452	5	ND	1	187	4.5	8	2	49	7.16	.006	2	365	5.03	21	.01	2	2.56	.01	.09	1
Z 2688	1	53	50	51	2.0	47	19	1154	4.17	72	5	ND	1	139	.5	4	2	47	5.45	.008	2	76	2.66	31	.01	2	1.89	.02	.14	1
Z 2689	1	79	2	37	.6	57	22	938	4.68	24	5	ND	1	177	.4	2	2	90	4.25	.007	2	122	3.07	38	.01	2	5.51	.02	.09	1
Z 2690	1	77	2	47	.6	59	25	941	4.58	11	5	ND	1	223	.3	3	2	99	3.72	.007	2	123	3.28	90	.01	2	5.69	.03	.07	1
Z 2691	1	61	2	38	.5	37	19	1054	5.04	10	5	ND	1	243	.4	2	2	111	4.57	.008	2	70	3.17	29	.01	2	5.89	.02	.06	1
Z 2692	1	64	2	31	.4	29	17	983	4.52	19	5	ND	1	285	.2	6	2	94	4.08	.010	2	42	3.13	33	.01	2	5.37	.03	.07	1
Z 2693	1	74	2	15	1.6	32	16	1025	3.62	24	5	ND	1	305	.2	3	2	78	5.30	.006	2	74	3.31	22	.01	2	4.64	.01	.10	1
Z 2694	1	121	2319	5898	91.5	517	37	2879	2.96	2337	5	ND	1	284	45.9	79	4	17	8.09	.005	2	306	3.18	18	.01	2	.55	.01	.07	1
Z 2695	1	725	37559	62647	530.6	375	27	3450	4.50	3290	5	2	2	149	612.1	409	3	10	3.91	.012	2	94	1.75	12	.01	3	.26	.01	.09	2
Z 2696	1	193	555	348	24.5	379	29	1791	2.06	536	5	ND	1	353	4.8	32	26	11	10.42	.003	2	219	3.81	14	.01	2	.29	.01	.06	1
Z 2697	1	329	348	319	18.6	245	28	1328	2.94	124	5	ND	1	278	11.1	5	34	20	9.06	.003	2	221	3.64	23	.01	2	.76	.01	.04	1
Z 2698	2	35	25	71	1.0	26	11	3114	2.94	722	5	ND	1	160	.4	4	2	37	4.67	.009	2	48	2.63	49	.01	3	1.53	.01	.16	1
Z 2699	1	82	9	29	1.3	13	12	844	2.82	21	5	ND	1	219	.2	4	2	18	4.71	.011	2	11	2.24	46	.01	2	.94	.01	.14	1
Z 2700	1	66	58	104	4.9	16	15	1343	3.88	297	6	ND	1	202	.9	6	2	32	6.36	.005	2	14	2.73	37	.01	2	1.13	.01	.17	1
STANDARD C	18	57	39	132	7.1	73	31	1054	3.98	44	23	7	39	52	19.9	16	18	58	.46	.097	40	60	.90	187	.08	33	1.91	.06	.14	11

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 MN FE SR 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: OCT 30 1990 DATE REPORT MAILED: Nov 1/90 SIGNED BY: C. Leong D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
D 59551	1	78	267	516	6.5	71	22	1261	4.43	596	5	ND	1	128	3.6	2	2	50	3.98	.006	2	88	2.90	26	.01	2	1.98	.01	.11	1
D 59552	4	252	10545	14067	274.3	274	25	2168	8.24	30856	6	10	2	135	106.9	201	2	27	2.95	.002	2	327	1.98	12	.01	2	1.13	.01	.04	1
D 59553	1	96	1880	2645	51.3	340	31	2726	4.42	964	6	ND	2	369	20.5	28	2	70	7.21	.004	2	719	6.07	5	.01	2	3.12	.01	.01	1
D 59554	2	59	422	763	32.2	217	27	1166	4.59	174	5	ND	1	239	5.5	21	2	74	4.77	.007	2	254	4.41	20	.01	2	3.11	.01	.05	1
E 66902	1	8	2	42	.3	35	21	785	4.95	7	5	ND	2	130	.2	2	2	91	2.51	.014	2	77	2.76	10	.01	2	4.16	.02	.06	1
E 66903	1	35	141	171	4.6	75	20	1126	3.20	34	5	ND	1	220	1.0	3	4	44	8.15	.016	2	171	3.33	20	.01	2	1.59	.01	.11	1
E 66904	1	93	3	29	.5	91	27	964	3.99	16	5	ND	1	219	.4	2	5	72	6.53	.005	2	244	3.82	16	.01	2	2.89	.02	.07	1
E 66905	1	75	9	48	.7	151	32	952	5.12	30	5	ND	1	217	.2	2	2	101	4.68	.019	2	345	4.26	18	.01	4	4.04	.01	.10	1
E 66906	1	198	815	1899	135.4	42	19	1608	4.24	176	6	ND	1	211	15.4	43	2	57	6.44	.005	2	66	3.84	17	.01	4	2.24	.01	.10	1
E 66907	2	112	1797	6012	96.0	269	29	1037	4.01	3107	5	ND	2	180	46.8	55	2	45	3.30	.013	2	304	3.89	15	.01	4	2.42	.01	.07	1
E 66908	3	51	535	1580	20.8	888	54	1040	3.30	388	5	ND	1	309	11.9	13	2	10	7.18	.001	2	508	10.18	7	.01	5	.33	.01	.01	2
E 66909	2	13	58	83	1.7	810	47	555	2.79	15	5	ND	1	192	.8	2	2	10	2.79	.001	2	405	10.63	5	.01	4	.28	.01	.01	1
E 66910	3	20	12	13	1.0	807	55	901	3.27	17	5	ND	1	331	.2	2	2	12	10.86	.001	2	574	7.96	8	.01	3	.30	.01	.01	1
E 66911	2	21	2	4	.3	653	54	884	2.29	54	5	ND	1	221	.2	2	2	12	8.98	.001	2	307	5.72	1	.01	3	.51	.01	.01	1
E 66912	2	125	2	6	.5	684	47	673	1.76	63	5	ND	1	217	.2	2	2	21	5.37	.001	2	647	4.54	1	.01	2	.80	.01	.01	1
E 66913	3	34	2	11	.7	887	53	768	2.41	99	5	ND	1	337	.2	2	2	20	9.38	.001	2	605	6.60	3	.01	2	.89	.01	.01	1
E 66914	1	15	5	11	.1	522	35	624	2.07	97	5	ND	1	100	.2	2	2	37	2.69	.002	2	732	4.20	6	.01	4	1.85	.01	.01	1
E 66915	2	134	11	26	.3	410	37	857	2.98	77	5	ND	1	69	.2	2	2	88	4.00	.006	2	962	4.46	4	.03	4	3.00	.01	.01	1
E 66916	1	53	2	45	.5	50	25	863	5.06	2	6	ND	2	92	.3	2	2	117	2.47	.010	2	86	2.80	16	.08	2	2.92	.04	.03	1
E 66917	2	253	5	47	1.2	43	22	1107	4.21	604	5	ND	1	84	.2	2	2	35	2.96	.017	2	112	1.81	18	.01	6	1.89	.03	.09	1
E 66918	1	66	6	73	.1	102	28	931	5.16	5	5	ND	1	127	.2	2	2	120	3.52	.006	2	309	3.13	71	.02	2	3.29	.04	.03	1
E 66919	1	70	2	54	.1	224	36	757	5.14	14	5	ND	1	88	.5	2	2	122	3.16	.006	2	409	4.57	18	.03	7	3.85	.03	.01	1
E 66920	1	106	2	45	.2	143	31	736	4.14	11	5	ND	1	109	.4	4	2	100	4.66	.002	2	319	4.18	55	.01	3	3.54	.02	.04	1
E 66921	1	121	2	51	.1	154	34	818	4.77	20	5	ND	1	137	.3	2	2	121	6.48	.001	2	375	4.56	24	.01	6	3.60	.02	.04	1
E 66922	1	88	2	41	.1	162	33	867	4.29	13	5	ND	1	119	.2	2	2	116	6.55	.001	2	438	4.56	106	.01	2	3.24	.02	.06	1
E 66923	1	31	2	46	.3	103	28	1006	3.94	10	5	ND	1	84	.2	2	2	82	6.32	.001	2	200	4.77	7	.01	3	3.54	.02	.07	1
E 66924	3	18	2	67	.8	376	39	1221	3.51	21	8	ND	1	90	.5	2	2	58	8.71	.005	2	1121	6.02	6	.01	5	2.63	.01	.03	1
E 66925	1	6	2	95	.7	171	30	1061	4.54	11	6	ND	1	60	.4	2	4	116	5.49	.001	2	389	6.47	5	.01	4	4.52	.01	.02	1
E 66926	2	16	7	6	.4	705	62	540	3.62	2	5	ND	2	48	.2	2	2	25	1.55	.001	2	847	11.93	71	.01	6	.64	.01	.01	1
E 66927	3	10	2	5	.6	1278	67	605	3.61	3	5	ND	1	52	.2	2	2	13	.93	.001	2	633	15.46	12	.01	4	.20	.01	.01	1
E 66928	4	14	2	4	.9	1450	69	675	3.72	6	5	ND	2	165	.2	2	2	12	3.17	.001	2	517	15.59	21	.01	3	.19	.01	.01	2
E 66929	2	12	2	10	.1	606	43	689	3.06	17	5	ND	1	278	.2	2	2	31	5.99	.001	2	596	9.55	29	.01	2	.71	.01	.01	2
E 66930	3	22	67	93	1.5	956	58	821	3.63	222	5	ND	1	213	.9	2	2	18	4.45	.002	2	612	12.07	5	.01	2	.59	.01	.01	1
E 66931	2	17	20	34	1.1	621	48	1139	3.41	206	5	ND	1	420	.2	2	2	24	11.59	.001	2	517	8.35	78	.01	3	.75	.01	.01	2
E 66932	2	79	1046	1202	40.7	567	40	1842	2.74	1000	5	ND	1	520	9.1	34	2	16	10.43	.001	2	716	6.70	4	.01	4	.54	.01	.02	3
E 66933	2	24	3	8	.9	984	65	1275	3.45	171	5	ND	2	271	.2	2	2	8	5.59	.001	2	574	11.57	76	.01	4	.22	.01	.01	1
STANDARD C	19	60	38	132	7.4	73	33	1052	3.98	42	23	8	41	52	19.0	15	16	58	.46	.097	40	58	.90	176	.07	39	1.89	.06	.13	11

ASSAY RECOMMENDED for Pb, Zn, As > 1%
Ag > 30ppm

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
E 66934	1	20	2	7	.1	1054	58	1466	3.36	171	5	ND	1	350	.3	2	2	9	9.56	.001	2	724	10.39	379	.01	3	.28	.01	.01	1
E 66935	2	43	1313	4385	12.1	721	44	4013	3.43	442	5	ND	2	294	32.3	8	3	8	7.39	.001	2	395	10.87	180	.01	2	.17	.01	.01	1
E 66936	1	24	283	598	4.0	753	33	3054	2.51	152	5	ND	1	536	4.5	2	2	6	13.40	.001	2	326	9.13	302	.01	4	.16	.01	.01	2
E 66937	2	39	10	17	.6	1107	44	905	2.59	29	5	ND	2	289	.2	2	2	7	10.53	.001	2	478	9.08	114	.01	2	.23	.01	.01	2
E 66938	2	32	8	17	.1	875	54	601	3.46	43	5	ND	1	200	.2	2	2	39	3.84	.001	2	550	10.70	9	.01	2	1.31	.01	.01	1
E 66939	1	30	2	19	.5	1351	61	1293	3.55	15	5	ND	3	374	.3	2	2	12	13.78	.001	2	605	9.13	29	.01	2	.23	.01	.01	1
E 66940	1	25	2	5	.7	1462	72	1443	4.08	25	5	ND	3	689	.2	2	2	12	18.22	.001	2	511	8.06	15	.01	2	.18	.01	.01	1
E 66941	1	169	5	38	.6	46	23	857	5.73	4	5	ND	2	89	.3	2	2	95	1.70	.011	2	71	3.07	27	.01	2	3.97	.05	.09	1
E 66942	1	59	5	39	.4	51	18	816	3.73	2	5	ND	2	149	.2	2	2	91	4.04	.008	2	83	3.23	73	.01	2	2.29	.04	.05	1
E 66943	1	139	3	67	.5	46	28	945	6.19	4	5	ND	1	106	.5	2	2	126	2.48	.013	2	52	3.66	126	.01	2	4.52	.03	.09	1
E 66944	1	42	2	48	.6	51	22	842	5.25	3	5	ND	1	93	.2	2	2	91	1.90	.012	2	78	2.76	18	.01	2	3.16	.04	.06	1
E 66945	1	37	2	58	.6	38	24	916	5.74	5	5	ND	1	89	.4	2	2	104	1.57	.012	2	82	3.54	14	.01	2	4.72	.03	.06	1
E 66946	1	26	2	51	.4	48	21	960	4.62	5	5	ND	1	142	.2	2	2	83	3.94	.008	2	119	3.63	14	.01	2	4.35	.01	.06	1
E 66947	1	26	194	148	2.0	60	19	1250	3.91	101	5	ND	2	250	1.0	2	2	56	7.34	.004	2	125	4.02	13	.01	2	2.44	.01	.10	1
E 66948	1	61	192	189	2.7	178	21	830	2.85	67	5	ND	1	176	1.3	2	4	51	5.28	.012	2	203	3.69	31	.01	5	2.26	.01	.09	2
E 66949	2	32	2	9	.2	716	51	1004	3.51	24	5	ND	2	333	.2	2	2	22	11.91	.001	2	449	8.52	4	.01	2	.80	.01	.01	2
E 66950	1	12	3	57	.1	298	29	1232	4.26	72	5	ND	1	232	.2	2	2	57	5.34	.023	2	667	7.22	16	.01	2	4.10	.01	.03	1
B 94620	1	13	2	7	.1	441	54	667	4.08	3	5	ND	1	42	.2	2	2	15	1.81	.001	2	548	9.12	4	.01	3	.11	.01	.01	2
B 94621	1	16	6	27	.1	280	32	772	3.69	4	5	ND	1	123	.2	2	4	63	4.53	.014	2	1254	8.96	84	.01	2	1.91	.01	.01	2
B 94622	1	18	5	10	.1	442	40	822	3.44	11	5	ND	2	364	.2	2	2	43	8.15	.002	2	939	9.60	1	.01	2	1.33	.01	.01	1
B 94623	1	19	21	70	.6	689	48	1144	2.98	247	5	ND	1	415	.5	2	2	23	10.98	.001	2	882	9.15	3	.01	2	.57	.01	.01	1
B 94624	1	12	17	322	.9	1185	56	1076	4.02	335	5	ND	1	328	2.3	2	2	20	5.36	.001	2	848	14.07	17	.01	3	.57	.01	.01	1
B 94625	1	19	318	353	7.8	626	43	1334	4.23	487	5	ND	1	371	3.0	2	3	37	7.62	.001	2	379	9.41	7	.01	2	1.73	.01	.04	1
B 94626	1	22	662	2247	5.0	1012	55	2962	3.66	612	5	ND	1	316	18.7	10	2	20	6.43	.001	2	624	11.74	7	.01	2	.68	.01	.01	2
B 94627	1	24	490	477	13.4	395	26	1280	3.40	574	5	ND	2	596	3.8	3	2	30	13.72	.005	2	221	8.13	7	.01	2	1.17	.01	.04	2
B 94628	1	25	5	17	.3	872	46	675	2.63	156	5	ND	2	255	.2	2	2	22	5.55	.002	2	458	7.61	1	.01	2	1.21	.01	.01	1
B 94629	1	24	60	112	3.9	266	37	1666	4.71	292	5	ND	2	393	.7	2	2	75	10.37	.002	2	370	7.09	15	.01	2	3.35	.01	.08	1
B 94630	1	48	47	168	.9	518	47	854	4.59	145	5	ND	1	348	1.2	2	3	75	6.89	.001	2	755	10.33	3	.01	2	3.25	.01	.01	1
B 94631	1	26	6	20	.1	853	57	683	4.17	20	5	ND	1	281	.5	2	2	66	4.75	.001	2	886	12.03	3	.01	2	2.32	.01	.01	1
B 94632	1	64	6	12	.8	886	56	790	3.90	113	5	ND	1	266	.2	2	11	40	4.85	.001	2	1069	12.57	47	.01	2	1.49	.01	.01	1
B 94633	1	69	807	3094	26.8	739	55	1417	3.50	1139	5	ND	2	341	22.0	15	2	13	7.88	.001	2	859	10.63	3	.01	2	.60	.01	.01	2
B 94634	1	56	3	147	.1	1059	74	747	4.48	39	5	ND	1	82	.2	2	2	8	1.19	.001	2	429	15.23	1	.01	2	.23	.01	.01	2
B 94635	1	15	2	13	.1	662	57	800	4.33	26	5	ND	1	125	.2	2	2	31	2.37	.001	2	683	12.20	6	.01	2	1.00	.01	.01	1
B 94636	2	24	4	14	.4	865	50	655	3.89	8	5	ND	2	192	.3	2	2	31	3.84	.012	2	685	12.99	46	.01	2	2.20	.01	.01	1
B 94637	1	9	2	4	.1	861	64	611	3.50	2	5	ND	1	44	.2	2	2	10	1.03	.001	2	438	14.68	63	.01	4	.17	.01	.01	1
B 94638	1	6	2	8	.4	823	51	606	3.51	5	5	ND	1	74	.2	2	2	10	2.14	.001	2	427	15.02	11	.01	2	.19	.01	.01	1
STANDARD C	18	60	35	130	6.7	72	31	1052	3.97	41	17	7	37	55	19.7	16	23	56	.45	.096	38	56	.89	183	.08	34	1.89	.06	.14	11

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
B 94639	1	33	2	22	.4	938	53	545	3.19	17	5	ND	1	194	.3	2	2	16	5.10	.004	2	470	10.97	9	.01	2	.58	.01	.02	1
B 94640	1	12	2	32	.7	384	37	983	4.33	10	6	ND	1	304	.2	2	2	78	5.31	.007	2	288	8.64	25	.01	2	3.25	.01	.08	1
B 94641	1	10	2	10	.4	851	53	617	3.67	18	6	ND	2	175	.2	2	2	15	2.82	.003	2	608	13.28	3	.01	2	.46	.01	.03	1
B 94642	1	26	9	40	.7	879	50	578	3.00	27	5	ND	1	287	.4	2	2	18	5.28	.004	2	653	9.31	5	.01	6	.53	.01	.02	1
B 94643	1	52	16	55	1.2	636	37	913	2.79	42	6	ND	1	230	.7	2	2	38	9.25	.005	2	313	5.49	21	.01	2	1.10	.01	.03	1
B 94644	1	128	2	42	.3	28	19	810	4.74	3	5	ND	2	73	.3	2	2	111	3.47	.010	2	80	2.76	13	.03	2	3.27	.03	.08	1
B 94645	1	3	2	8	.5	1204	51	1166	3.30	18	8	ND	1	524	.3	2	2	14	11.76	.003	2	721	8.04	14	.01	2	.20	.01	.02	1
B 94646	1	7	2	9	.5	1176	49	998	3.29	11	9	ND	1	326	.3	2	2	12	9.69	.003	2	483	8.72	3	.01	2	.19	.01	.02	1
B 94647	1	21	2	21	.3	521	27	1027	2.52	6	6	ND	1	266	.3	2	2	40	7.66	.005	2	366	5.05	4	.01	2	1.13	.01	.02	1
B 94648	1	367	2	39	.6	150	22	914	4.01	2	5	ND	1	147	.3	2	2	82	3.23	.011	2	353	3.76	20	.01	2	3.05	.02	.06	1
B 94649	1	118	2	58	.6	40	23	848	5.75	2	6	ND	2	72	.2	2	2	133	1.31	.015	2	68	3.18	11	.01	2	4.34	.03	.07	1
B 94650	1	50	2	59	.2	74	22	959	4.94	2	5	ND	1	170	.2	2	2	106	3.49	.010	2	181	3.47	55	.01	2	4.14	.02	.08	1
STANDARD C	19	62	38	133	7.6	73	32	1054	3.98	42	24	7	40	54	19.2	15	19	60	.46	.094	39	61	.90	189	.08	35	1.90	.07	.13	11

APPENDIX D - REFERENCES

Borovic, I., P.Eng. (November 23, 1982)

Report on the Geophysical and Geochemical Survey on the Riverside Property, Rock Creek, B.C., NTS 82E/2 for World Cement Industries Inc.

B.C. Ministry of Energy, Mines and Petroleum Resources

Minister of Mines Annual Reports; 1898-1195, 1900-879, 1901-1057, 1901-1146, 1903-168, 1905-181, 1907-109, 1907-215, 1913-153, 1914-511, 1920-350, 1921-186, 1921-188, 1925-198, 1926-211, 1927-234, 1928-251, 1934-D9, 1935-A25, 1935-D55, 1938-D23, 1947-153, 1949-149, 1952-139, 1953-109.

Min-File Version 1.1; Occurrence #'s 082ESE113, 082ESE114, 082ESE115, 082ESE199 for NTS 82E/SE

Haman, P.J., P.Eng. (January 18, 1971)

Geochemical Report on the Riff Claims for DeKalb Mining Corporation.

Hayden, S.H., P.Eng (December 19, 1980)

A Feasibility Study of the Riverside Mine, Rock Creek, B.C.

Kregosky, R., B.Sc. (November 25, 1981)

Prospecting Report on the Bee 2 and Bee 3 Claims, Greenwood Mining Division 82E/2 for Midland Energy Corporation.

Kregosky, R., B.Sc. (October 15, 1982)

Geochemical and Geological Report on the Bee Claims, Greenwood Mining Division 82E/2 for Midland Energy Corporation.

Kregosky, R., B.Sc. (March 10, 1983)

Drilling Report on the Joy Group, NTS 82E/2, Greenwood Mining Division for World Cement Industries Inc.

Kregosky, R., B.Sc. (October 13, 1983)

Geochemical and Geological Report on the Bee Group, Greenwood Mining Division, NTS 82E/2 for Midland Energy Corporation.

Kregosky, R., B.Sc. (February 1, 1984)

Geological report on the Joy 5 Claim, NTS 82E/2, Greenwood Mining Division for World Cement Industries Inc.

Larabie, E.N., P.Eng. (December 10, 1987)

Phase I Report and Phase II Budget on the Kelly, Imperial and Bee Groups, Rock Creek, British Columbia, Greenwood Mining Division, NTS 82E/2W for Silver Falls Resources Ltd.

Little, H.W. (1956)

Geology of the Kettle River Map Area (East Half); Geological Survey of Canada.

Little, H.W. (1983)

Geology of the Greenwood Map-Area, British Columbia; Geological Survey of Canada, Paper 79-29.

Pringle, D.W., P.Eng. (December, 1984 & February, 1986)

Private reports on the Imperial and Emmaline workings prepared for Arizco Resources Ltd.

Pringle, D.W., P.Eng. (October 5, 1983)

Update Report on the Riverside Property, Greenwood Mining Division for World Cement Industries Inc.

Sinclair, A.J. (1976)

Applications of Probability Graphs in Mineral Exploration; Association of Exploration Geochemists, Special Volume 4.

Van Huizen, G.L., P.Eng. (March 1988)

Private report on trenching at the Imperial workings for Silver Falls Resources Ltd.

Visser, S.J., B.Sc., FGAC (November 1988)

Geophysical Report on the Horizontal Loop Electromagnetic (Max-Min HLEM) Survey for Rock Creek Resources Ltd.

Wood, D.H., B.Sc. (December 22, 1986)

Report on Preliminary Geophysical Work Conducted on the Bee 2 and 3 Mineral Claims, Greenwood M.D., British Columbia, NTS 82E/2W for Silver Falls Resources Ltd.

Wood, D.H., B.Sc., FGAC and Westervelt, R.D., P.Eng. (November 30, 1988)

Geological and Geochemical Report on the Silver-Dawn Property, Rock Creek Area, Greenwood M.D., British Columbia, NTS 82E/2W for Rock Creek Resources Ltd.

Wood, D.H., B.Sc., FGAC (September 30, 1990)

Diamond Drilling Report on the Silver-Dawn Property, Rock Creek Area, Greenwood M.D., British Columbia, NTS 82E/2W for Rock Creek Resources Ltd.

APPENDIX E - STATEMENT OF EXPENSES

Wages - Including mob. and demob.

M.M. Pardek : Supervisor -	45 days @ \$250/day	\$ 11,250.00
D.H. Wood : Geologist -	105 days @ \$250/day	21,000.00
D. McCartney : Assistant -	30 days @ \$125/day	3,750.00
T. Preston : Sampler -	30 days @ \$ 80/day	2,400.00

Food and Accommodation

180 man-days @ \$50/man-day	9,000.00
-----------------------------	----------

Transportation

4x4 Truck - 4 months @ \$700/mo	2,800.00
2x4 Truck - 4 months @ \$300/mo	1,200.00
Fuel and Repairs - 8500 km @ 0.30/km	2,550.00

Assays

Core ICP samples - 437 @ \$9.25	4,042.25
Core Assays - 70 @ \$22	1,540.00

Diamond Drilling

5115 feet @ \$17/foot	86,955.00
-----------------------	-----------

Report Preparation

Research, writing & drafting	2,000.00
------------------------------	----------

TOTAL COSTS

\$ 148,487.25

Respectfully submitted,

Douglas H. Wood

Douglas H. Wood, B.Sc., FGAC
Consulting Geologist



PARK

RIVER

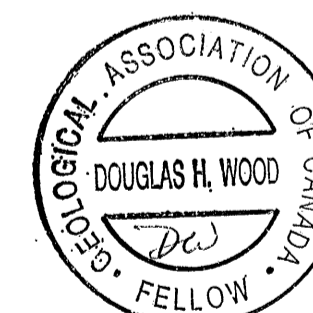
INITIAL POST

KELLY 1 CLAIM

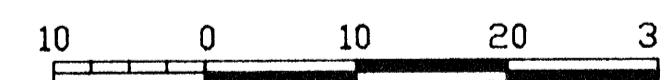
1990
DIAMOND
DRILL
HOLES

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,826



SCALE
1:500



METERS

ROCK CREEK RESOURCES LTD.
SILVER DAWN PROPERTY

PLAN MAP
(DRILL HOLE LOCATIONS)

Rock Creek Area, Greenwood M.D., B.C.

N.T.S. 82E/2W

DATE: DECEMBER 1990

PLOTTED BY RPM MAPPING

FIGURE NO. 5

