GEOLOGICAL AND GEOPHYSICAL REPORT

on the

WIDOW MINERAL CLAIMS

Chemainus River Area
Victoria Mining Division, B.C.
92C/16E
Latitude 48 degrees 55 minutes N.
Longitude 124 degrees 11 minutes W.

on behalf of

DRC RESOURCES CORPORATION

by

James W. McLeod, B.Sc.

Vancouver, British Columbia
June 21, 1990

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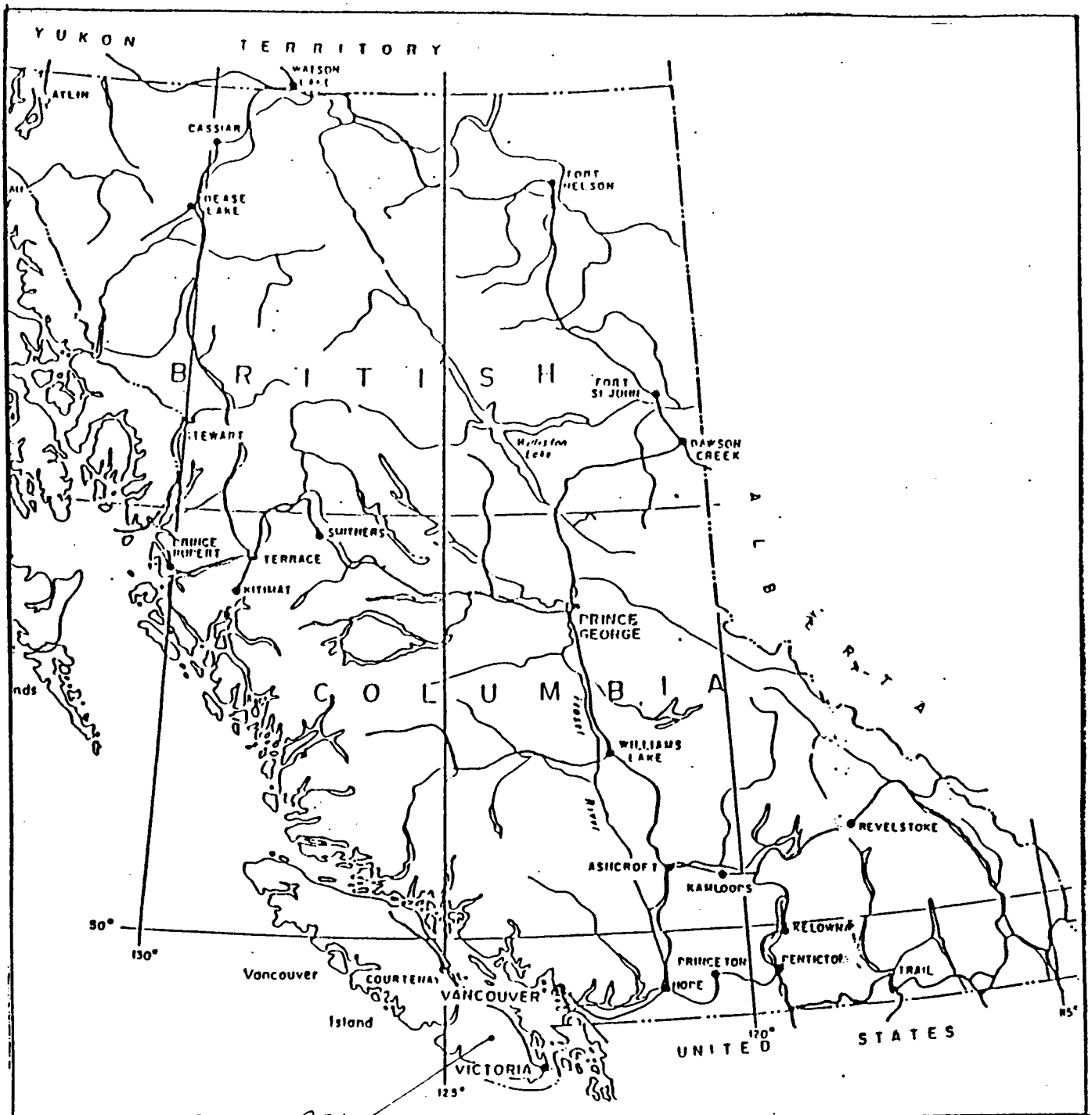


DRC RESOURCES CORPORATION

LOCATION PLAN

WIDOW MINERAL CLAIMS
VICTORIA M.D., B.C.

0 190 380
Kilometres

FIG. 1	NTS. 92L/16E	June. 1990	Drawn by: J.W.M.

GEOLOGICAL ASSOCIATION OF CANADA
J. W. McLEOD
FELLOW

INTRODUCTION

During the period May 24 through May 30, 1990 the writer supervised an exploration program on the Widow mineral claims in the Chemainus River area, Victoria Mining Division, British Columbia. The fieldwork performed was geological rock exposure mapping and a VLF-EM survey. The claim area has undergone a variety of exploration work in the past and this program was undertaken to determine the disposition of some known surface mineralization

This report is being prepared at the request of the Board of Directors of DRC Resources Corporation of Vancouver, B.C.

LOCATION AND ACCESS

The Widow mineral claims are located 7 kilometres north of the Town of Youbou, British Columbia on a north-facing slope of Mount Franklin. The claim area may be located on N.T.S. map reference 92C/16E at latitude 48 degrees 55 minutes north and longitude 124 degrees 11 minutes west.

Access to the property is gained by travelling for approximately 50 kilometres from the Town of Chemainus, B.C. on a good all-weather gravel road along the Chemainus River.

PROPERTY AND OWNERSHIP

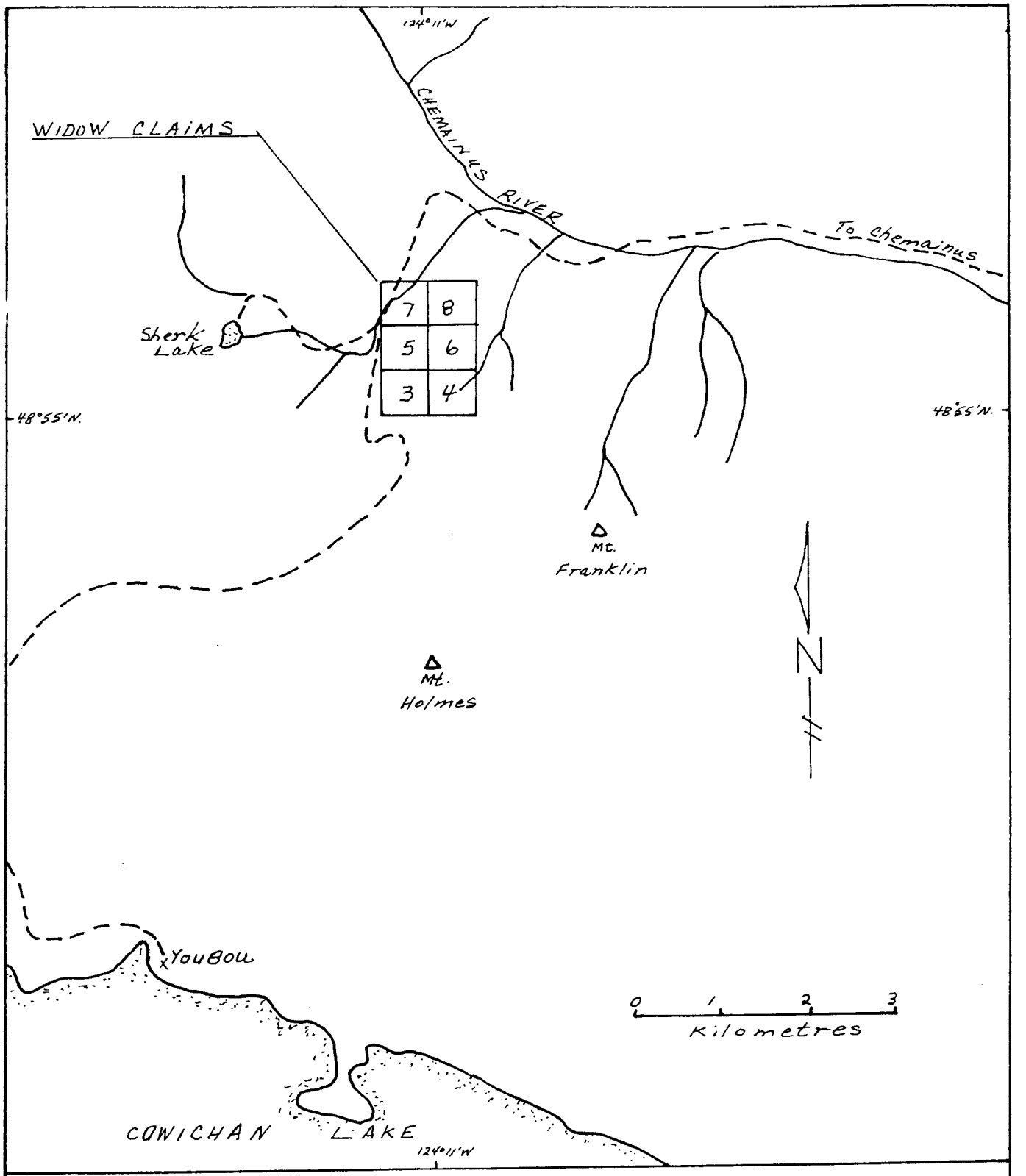
The Widow property consists of 6 contiguous two-post mineral claims; the Widow 3-8 with record numbers 230-235 inclusive.

The Widow claim group is owned by DRC Resources Corporation of #1250 - 800 West Pender Street, Vancouver, British Columbia, V6C 2V6.

TOPOGRAPHICAL AND PHYSICAL ENVIRONMENT

The Widow mineral claims are situated on a north-facing slope of Mount Franklin on the southside of the Chemainus River. The claim area ranges in elevation from 600 metres (2000') to 1000 metres (3300') mean sea level in moderately steep mountainous terrain. The property lies in the Coast Forest biotic zone and is covered by very young conifer growth in a recent clear-cut logged area. Logging is actively taking place in the vicinity of the claims.

The area experiences a mild, wet coastal climate with a low to moderate amount as winter snow.



DRC RESOURCES CORP.

WIDOW MINERAL CLAIMS
CHEMAINUS RIVER AREA
VICTORIA. M.D., B.C.

GEOLOGICAL ASSOCIATION OF CANADA
J.W. McLEOD
FELLOW

FIGURE 2 06/90 J.W.M.

HISTORY

Since the area about the present property was originally staked in 1902 as the Cascade claim, later the Comega Group, the present claim area has undergone considerable exploration work including geological mapping, soil and rock geochemistry, magnetometer and "shoot-back" electromagnetic surveys, limited rock trenching, several very short diamond core drill holes and several short underground adits.

REGIONAL GEOLOGY

The regional geological setting has been described by Members of both the Geological Survey of Canada and the British Columbia Ministry of Energy, Mines and Petroleum Resources and is synopsized by the writer as follows:

The oldest rocks in the general area are the Paleozoic (Late Silurian to Early Permian) Sicker Group volcanic and sedimentary rock units which are intruded by Late Triassic Karmutsen Formation mafic sills and basaltic volcanics which are seen to unconformably overly the Sicker. The next youngest succession are the limestones, argillites and tuffaceous sediments of the Quatsino and Parson Bay Formations which together with the Karmutsen make up the Vancouver Group. These rocks are found to be in places conformably and unconformably overlain by marine sediments and marine to sub-aerial volcanics of the Early to Middle Jurassic Bonanza Group. All of these sequences have been in places intruded by granodioritic rocks of the Middle Jurassic Island Intrusions. Late Cretaceous sediments assigned to the Nanaimo Group overlie these older sequences. The possibility of Tertiary intrusive activity in the general area exists.

LOCAL GEOLOGY

The claim area covered by the present grid is seen to be underlain by a sequence of sedimentary and volcanic rocks which trend in a northwesterly direction through the grid. These rocks are cut by an elongate northwesterly trending body of what has been termed a diorite-gabbro sill which occurs throughout the central portion of the grid (see Figure 3). In places near the assumed contact of the bedded rocks and the sill are occurrences of garnet skarns which are often sulphide bearing. In two locations a "salt and pepper" textured intusive rock was seen occur very close to the diorite-gabbro rocks.

The sediment-volcanic sequence is thought to be part of the Sicker Group. The sediments are seen to be fine grained, greenish coloured cherty tuffs; the volcanics are fine grained, greenish andesites? and agglomerate. The agglomerate is observed to be a fine grained, greenish coloured rock which sometimes contains sub-rounded elongate clasts to 10 cm. in length. The

diorite-gabbro sill? which may be of the Karmutsen Formation occurs as a fine to medium grained, greenish coloured crystalline rock often containing white feldspar phenocrysts to 3-4 mm. in length. The "salt and pepper" intrusive is a black and white coloured, medium grained, equigranular rock which appears relatively unaltered and is seen to occur in close proximity to the diorite-gabbro. With this exception, a pervasive greenish colour occurs throughout most of the rocks observed. This colour appears to be caused by chloritization of mafic constituents of the original rocks. At a number of locations throughout the gridded-area rusty bedrock zones are seen to occur transending both of the two major rock units and in association with north-northwesterly and east-northeasterly faulting.

Mineralization observed appears to occur in two different settings. The first and probably the earliest are the contact metamorphic garnet-pyroxene (actinolite) skarns as replacement zones in a limey portions of the cherty sediment-volcanic unit (Sicker) near where it contacts with the diorite-gabbro intrusive. The observed mineralization at one of these zones in order of decreasing abundance is as magnetite, pyrite, chalcopyrite, malachite and possibly sphalerite and scheelite ie. Sa. #9048. This type of mineralization appears to be accompanied by quartz veining. The second type of mineralization observed is as pyrite and pyrrhotite in rusty elongate zones related to steep faults and/or shearing. This type of mineralization appears to be accompanied by chlorite, epidote, calcite, quartz and in places sericite alteration. It appears from previous observations that precious metal values may occur with either or both modes of mineralization.

PRESENT WORK PROGRAM

The present work program included establishing 8.7 kilometres of grid. Rock exposure mapping was undertaken mainly along the gridlines and three rock samples were taken. The samples were shipped to Vancouver Geochemlab where they were assayed for copper, silver and gold and further analysed for 25 elements by the induction coupled plasma (ICP) method.

A VLF-EM survey was conducted over the grid with lines spaced at 50 metres and stations (readings) every 25 metres. The instrument used in the survey was a Geonics EM-16, serial no. 86. The Seattle, Washington signal transmitted at a freguency of 24.8 KHz. was used for the survey.

The three rock assays and ICP results are included in the report as Appendix I. The VLF-EM data is plotted in profile on Figure 4 and the values are listed in Appendix II.

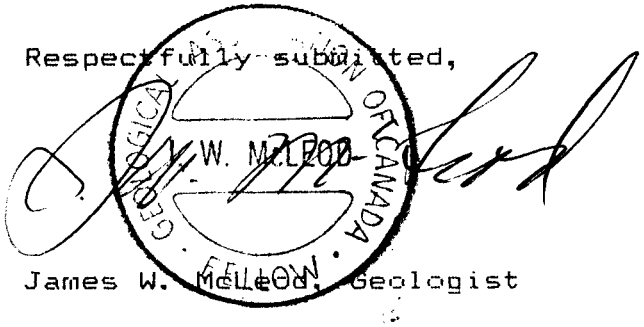
CONCLUSIONS

The data from the present work program ie. the VLF-EM profiles, in relation to the observed underlying rock types covered by the grid suggests that this geophysical method appears to delineate the two major rock units namely, the sediment-volcanic unit and the diorite-gabbro unit. On the northeastside of the grid the change from positive to negative quadrature as you proceed from south to north on the survey lines seems to follow, somewhat closely, the assumed contact of these two rock units. In fact this response could be a reflection of the increased sulphide mineral content (higher conductivity) of the skarns zones. The method may be useful in geological mapping of other covered areas on the property. The areas of known faulting determined by previous geological mapping did not respond as conductive zones, as they would be expected to if they had a high sulphide content.

RECOMMENDATIONS

The areas of the property not covered by the present grid could undergo a VLF-EM survey which may be useful in determining major rock unit contacts especially in covered areas. Consideration could also be given to rock trenching and/or drilling areas of known mineralization.

Respectfully submitted,



James W. McLeod, Geologist

STATEMENT OF COSTS

Geologist and assistant:	
Grid installation, mapping, VLF-EM survey and report	$3,083.47
Transportation: mileage, ferry and fuel	403.14
Accommodation	184.68
Food	110.11
Supplies	26.49
Maps	6.61
Assays	85.50
TOTAL	$3,900.00

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Muller J.E. (1977): Geology of Vancouver Island.

Reamsbottom, S.B. (1980): Summary Report on the Widow Claim Group.

Reports of the Minister of Mines - 1906, 1907, 1919 and 1948, "Cascade" and "Comega".

CERTIFICATE

I, JAMES W. McLEOD, of the Village of Ladner, Province of British Columbia, hereby certify as follows:

1) I am a Consulting Geologist with an office at 5303 River Road, Delta, B.C., V4K 1S8.

2) I am a Fellow of the Geological Association of Canada.

3) I graduated with a degree of Bachelor of Science, Major in Geology, from the University of British Columbia in 1969.

4) I have practised my profession since 1969.

5) I do not own any direct or indirect interest in the Widow property or in the securities of DRC Resources Corporation nor do I expect to receive any as a result of doing this report.

6) The above report is based on personal field experience gained by myself on the property during 1990.

DATED at Ladner, Province of British Columbia, this 21st day of June, 1990.

GEOLOGICAL ASSOCIATION OF CANADA J. W. McLEOD FELLOW

James W. McLeod, B.Sc.

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900062 AA JOB NUMBER: 900062 MR. JAMES McLEOD PAGE 1 OF 1

SAMPLE #	Cu %	Ag oz/st	Au oz/st
9048	1.09	.68	.067
9049	.33	.11	.007
9050	--	.03	<.005
DETECTION LIMIT	.01	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vanco[illegible] V5L 1K5
Ph:(604)251-5656 Fax:([illegible]254-5717

ICAP GEOCHEMICAL ANALYSES

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95° C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: [signature]

REPORT #: 900062 PA | MR. JAMES MCLEOD | PROJECT: NONE GIVEN | DATE IN: JUNE 04 1990 | DATE OUT: JUNE 06 1990 | ATTENTION: MR. JAMES MCLEOD | PAGE 1 OF 1

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
9048	26.6	.25	7	58	30	1.53	4.3	79	120	>2000	>10.00	.18	.09	420	22	.09	23	.04	55	36	3	3	25	948	108
9049	4.1	.55	<3	7	5	9.55	2.3	8	39	>2000	9.46	.52	.08	1450	31	.05	12	.05	36	9	6	1	78	143	27
9050	.8	.29	<3	9	11	2.18	6.0	41	63	509	>10.00	.14	.11	404	<1	.27	195	.01	71	83	<2	2	29	120	<1
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested

APPENDIX II

VLF-EM DATA

Line and Station	In-Phase (%)	Quadrature (%)
L1		
0+25S	-15	+ 6
0+50	-10	+ 8
0+75	- 5	+10
1+00	0	+11
1+25	+ 2	+12
1+50	- 1	+11
1+75	+ 1	+11
2+00S	+ 1	+15
0+00	-20	+ 6
0+25N	-15	+ 8
0+50	-16	+ 7
0+75	-18	+ 4
1+00	-21	+ 3
1+25	-28	- 4
1+50	-30	- 5
1+75	-29	- 7
2+00	-27	- 4
2+25	-27	- 6
2+50	-40	-11
2+75	-38	-10
3+00	-45	-13
3+25	-48	-10
3+50	-37	-10
3+75	-35	-10
4+00N	-45	-10
L2		
0+25S	-14	+ 8
0+50	-10	+ 7
0+75	-10	+10
1+00	- 5	+10
1+25	- 8	+10
1+50	- 1	+12
1+75	+ 1	+11
2+00S	+ 2	+ 9
0+00	-15	+ 7
0+25N	-15	+ 8
0+50	-22	+ 7
0+75	-16	+ 8
1+00	-20	+ 3
1+25	-20	0

1+50	-27	- 3
1+75	-28	- 4
2+00	-24	- 8
2+25	-28	- 7
2+50	-28	- 5
2+75	-36	- 9
3+00	-40	-10
3+25	-33	-12
3+50	-45	-15
3+75	-45	-15
4+00N	-50	-15

L3

0+25S	-14	+ 6
0+50	-14	+ 7
0+75	- 5	+10
1+00	- 1	+ 9
1+25	0	+12
1+50	- 2	+11
1+75	-15	+13
2+00S	- 2	+12
0+00	-14	+10
0+25N	-15	+ 9
0+50	-16	+ 8
0+75	-17	+ 7
1+00	-17	+ 5
1+25	-20	+ 4
1+50	-20	+ 2
1+75	-20	0
2+00	-25	- 4
2+25	-26	- 4
2+50	-27	- 5
2+75	-26	- 5
3+00N	-30	- 7

L4

0+25S	-17	+ 8
0+50	- 9	+10
0+75	- 4	+12
1+00	+ 4	+14
1+25	+ 7	+15
1+50	0	+16
1+75	+ 4	+15
2+00S	+ 6	+15
0+00	-17	+ 8
0+25N	-16	+ 8
0+50	-19	+ 5
0+75	-18	+ 5
1+00	-18	+ 7
1+25	-16	+ 6
1+50	-17	+ 3
1+75	-17	+ 4
2+00	-18	- 3
2+25	-26	- 6

2+50	-26	- 7
2+75	-25	- 6
3+00N	-21	- 5

L5

0+25S	-20	+ 5
0+50	-19	+ 5
0+75	-18	+ 5
1+00	- 9	+ 5
1+25	+ 1	+12
1+50	+ 2	+12
1+75	+ 1	+13
2+00S	+ 1	+ 9
0+00	-17	+ 5
0+25N	-20	+ 3
0+50	-25	+ 3
0+75	-19	+ 5
1+00	-17	+ 4
1+25	-15	+ 7
1+50	-10	+ 5
1+75	-12	+ 4
2+00	-20	- 2
2+25	-28	-10
2+50	-24	-10
2+75	-25	- 9
3+00N	-25	- 6

L6

0+25S	-23	+ 3
0+50	-25	0
0+75	-21	+ 1
1+00	-12	+ 5
1+25	- 2	+11
1+50	- 2	+11
1+75	- 3	+ 8
2+00S	- 4	+ 8
0+00	-18	+ 4
0+25N	-15	+ 5
0+50	-15	+ 6
0+75	- 9	+ 8
1+00	-15	+ 6
1+25	-18	+ 4
1+50	-15	+ 1
1+75	-14	- 2
2+00	-20	- 3
2+25	-26	- 8
2+50	-23	-13
2+75	-25	-11
3+00N	-25	-10

L7

0+25S	-20	+ 3
0+50	-20	+ 1
0+75	-21	0

1+00	-26	0
1+25	- 9	+ 8
1+50	+ 7	+16
1+75	- 1	+14
2+00S	- 5	+11
0+00	-18	+ 4
0+25N	-16	+ 4
0+50	-14	+ 5
0+75	-14	+ 4
1+00	-14	+ 3
1+25	-15	+ 3
1+50	-15	0
1+75	-14	- 2
2+00	-17	- 2
2+25	-25	-13
2+50	-28	-13
2+75	-24	- 8
3+00N	-25	-10

L8

0+25S	-14	+ 3
0+50	-18	+ 1
0+75	-25	- 3
1+00	-23	- 1
1+25	-14	+ 3
1+50	0	+ 9
1+75	+ 1	+12
2+00S	- 6	+11
0+00	-15	0
0+25N	-18	+ 1
0+50	-17	+ 1
0+75	-17	+ 1
1+00	-11	+ 1
1+25	-11	+ 1
1+50	-12	+ 1
1+75	-12	- 2
2+00	-15	- 3
2+25	-15	- 4
2+50	-22	- 5
2+75	-24	- 8
3+00N	-21	- 8

L9

0+25S	-12	+ 3
0+50	-12	+ 2
0+75	-17	+ 1
1+00	-20	+ 1
1+25	-10	+ 5
1+50	-11	+ 3
1+75	-10	+10
2+00S	-15	+ 7
0+00	-13	+ 1
0+25N	-15	0
0+50	-15	0

0+75	-14	+ 2
1+00	-11	0
1+25	-11	0
1+50	-10	0
1+75	-10	- 1
2+00	-12	- 1
2+25	-15	- 3
2+50	-16	- 2
2+75	-13	- 4
3+00N	-20	- 5

L10

0+25S	-10	+ 2
0+50	-12	+ 5
0+75	-13	+ 4
1+00	-15	+ 3
1+25	-17	+ 3
1+50	-15	+ 5
1+75	-16	+ 6
2+00S	-16	+ 4
0+00	-12	+ 1
0+25N	-16	+ 1
0+50	- 7	0
0+75	- 9	+ 1
1+00	-12	+ 1
1+25	-11	- 1
1+50	-13	- 1
1+75	-10	+ 2
2+00	-10	- 2
2+25	-13	- 4
2+50	-16	- 6
2+75	-17	- 4
3+00N	-17	- 6

L11

0+25S	-15	- 3
0+50	-10	+ 3
0+75	-10	+ 5
1+00	-15	+ 4
1+25	-17	+ 3
1+50	-17	+ 6
1+75	-17	+ 6
2+00S	- 8	+ 7
0+00	-10	0
0+25N	- 8	0
0+50	- 6	+ 2
0+75	- 5	+ 4
1+00	- 9	0
1+25	- 7	+ 1
1+50	- 8	- 2
1+75	- 9	- 3
2+00	-11	- 5
2+25	-10	- 4
2+50	-11	- 3

2+75	-15	- 4
3+00N	-20	- 7
L12		
0+25S	- 9	0
0+50	- 9	+ 1
0+75	-10	+ 4
1+00	-18	0
1+25	-17	+ 3
1+50	-16	+ 6
1+75	-16	+ 5
2+00S	-16	+ 5
0+00	-10	+ 2
0+25N	- 6	+ 2
0+50	- 8	+ 1
0+75	- 7	+ 1
1+00	- 6	+ 4
1+25	- 4	+ 8
1+50	-10	- 4
1+75	-10	- 5
2+00	-12	- 3
2+25	-10	- 3
2+50	-13	- 3
2+75	-19	- 4
3+00N	-23	- 8
L13		
0+25S	- 8	- 2
0+50	- 9	- 1
0+75	-12	- 1
1+00	-16	0
1+25	-17	+ 1
1+50S	-14	+ 2
0+00	- 6	0
0+25N	- 9	0
0+50	- 6	+ 3
0+75	- 3	+ 3
1+00	- 7	0
1+25	- 6	+ 4
1+50	- 6	0
1+75	-13	- 6
2+00N	- 7	- 3
L14		
0+25S	-10	0
0+50	-11	- 2
0+75	-15	- 1
1+00	-15	0
1+25S	-17	+ 1
0+00	-10	0
0+25N	- 1	+ 3
0+50	- 6	0
0+75	- 9	- 2
1+00	- 8	- 3

1+25	- 7	- 3
1+50	- 5	- 4
1+75	- 8	0
2+00N	-11	- 1

Province of
British Columbia

RECEIPT

471436 J

THE SUM OF _____ DOLLARS $ _____

ON ACCOUNT OF

Assess Rep - VICTORIA

WIDOW

RECEIVED FROM IRC Res. Corp. ON June 21 19 90

ISSUING OFFICE Vancouver ISSUING OFFICER'S SIGNATURE [signature]

FIN 48 REV 85/6 (OP 78463) WHITE: CUSTOMER PINK: MINISTRY FILE CANARY: RETAIN IN BOOK FOR AUDIT

124°11'W.

To Chemainus

Shenk Ck.

N

9050

9049

9048

To Youbou

48°55'N.

WIDOW 3 M.C. WIDOW 4 M.C.

I.P.

48°55'N.

GEOLOGICAL BRANCH ASSESSMENT REPORT

20,091

GEOLOGICAL ASSOCIATION OF CANADA · FELLOW ·

124°11'W.

Scale – 1:5,000

0 100 200 300

metres

LEGEND

1 – Chert, cherty tuff
2 – Agglomerate
3 – Andesite
4 – Diorite – Gabbro sill
5 – Skarn
7 – Granodiorite

// – Logging road
– Rock exposure (Approx. size)
– Intermittant drainage
– Claim Post, name, initial post
– Adit with dump
9048 – Rock sample no.

FIGURE 3
GEOLOGY PLAN
WIDOW MINERAL CLAIMS
VICTORIA, M.D., B.C.
NTS – 92C-16/E.

DRC RESOURCES CORP.

06/90 J.M.M.

124°11'W.

To Chemainus

Shark C.K.

N

L1H-2+00N.

L12-3+00N.

0+00

0+00

+40%
+20%
0
-20%
-40%

L1-4+00N.

Baseline

L2-2+00S

To Youbou

48°55'N.

WIDOW 3 M.C. WIDOW 4 M.C.

I.P.

48°55'N.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,091

GEOLOGICAL ASSOCIATION OF CANADA
J. W. McLEOD
FELLOW

Scale - 1:5,000

0 100 200 300
metres

124°11'W.

LEGEND

----- — Quadrature

——— — In Phase

FIGURE 4

VLF-EM PLAN

WIDOW MINERAL CLAIMS
VICTORIA M.D., B.C.
NTS - 92C·16/E

DRC RESOURCES CORP.

06/90 J.W.M.