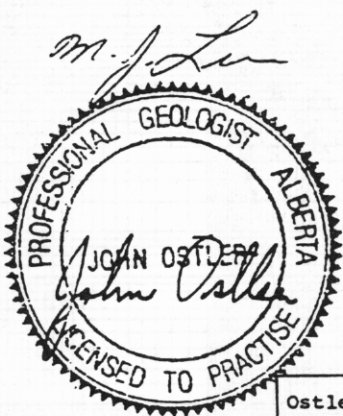
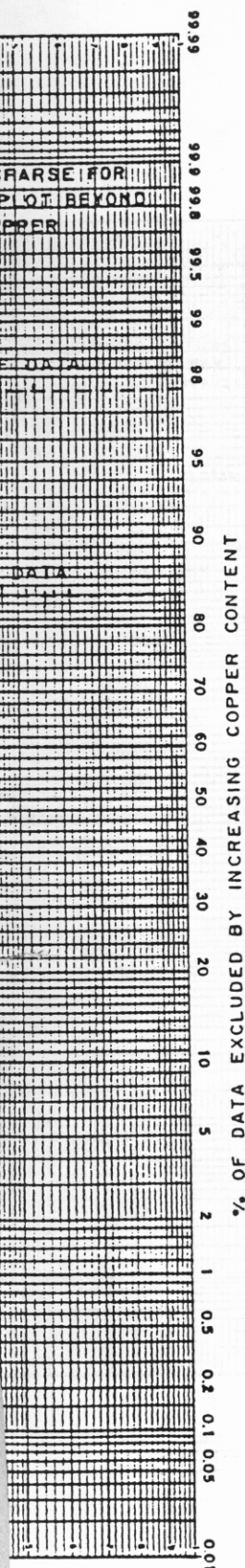


# LEGEND

N = 153 for the 1990 soil survey  
 b median value which approximates the mean value  
 b+s first positive standard deviation  
 b+2s second positive standard deviation

NOTE: For map of distribution of copper in soils, see Figure 14.



To accompany a Report by Donald W. Tully, P.Eng., dated December 31, 1990

**FIGURE 18.**

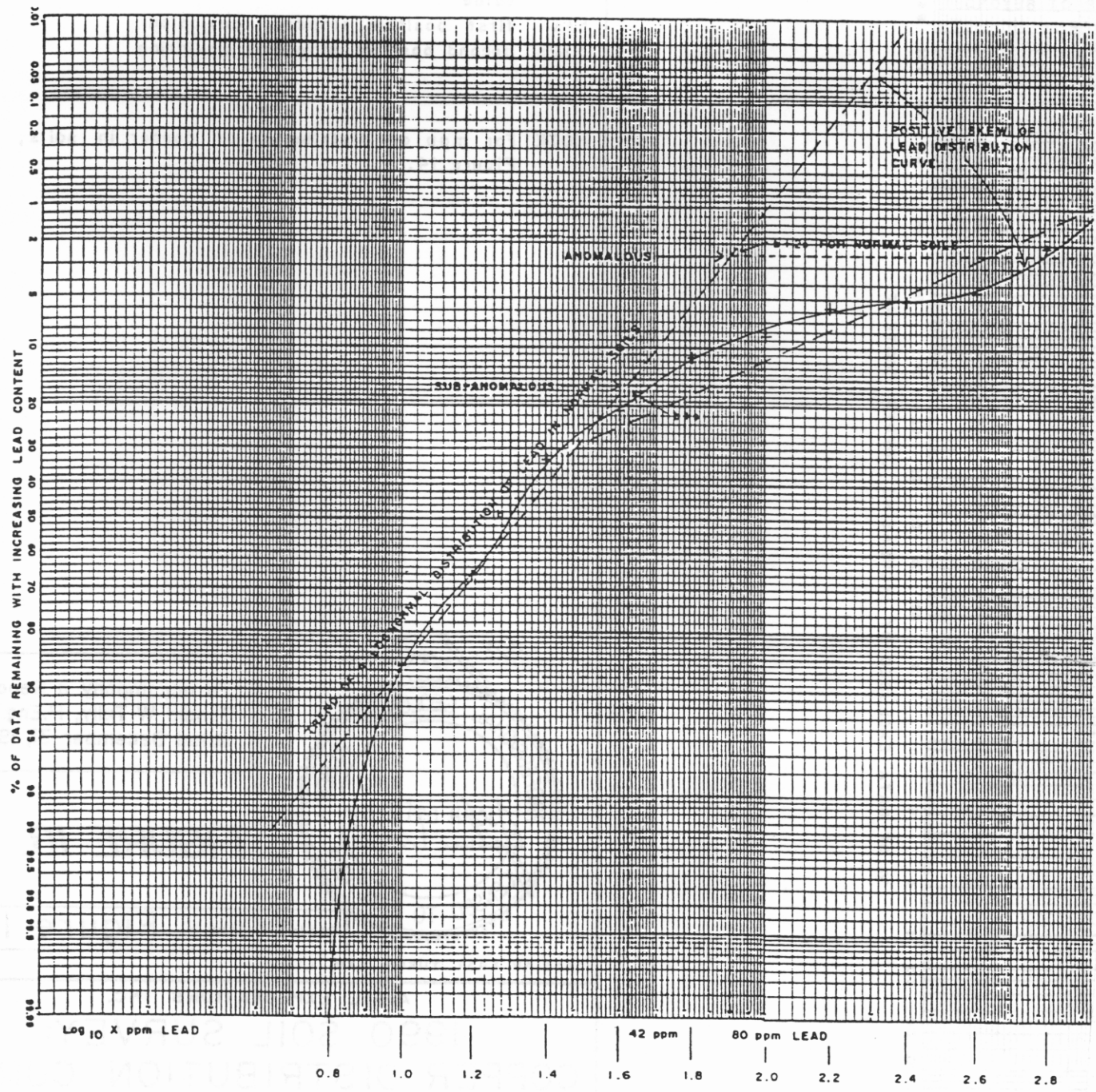
Ostler & Linn - Figure 10

CASSIAR EAST YUKON EXP. LTD.

AVRIL EXPLORATIONS INC.  
**1990 SOIL SURVEY:  
 COPPER DISTRIBUTION CURVE  
 PURCELL PROPERTY  
 49° 59.3' N., 117° 11' W.**

SLOCAN M.D., BRITISH COLUMBIA, N.T.S.82F/14  
 JOHN OSTLER; M.Sc., P.Geol.      DECEMBER, 1990  
 MICHAEL LINN, B.Sc.

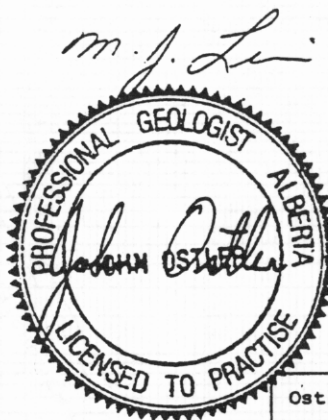
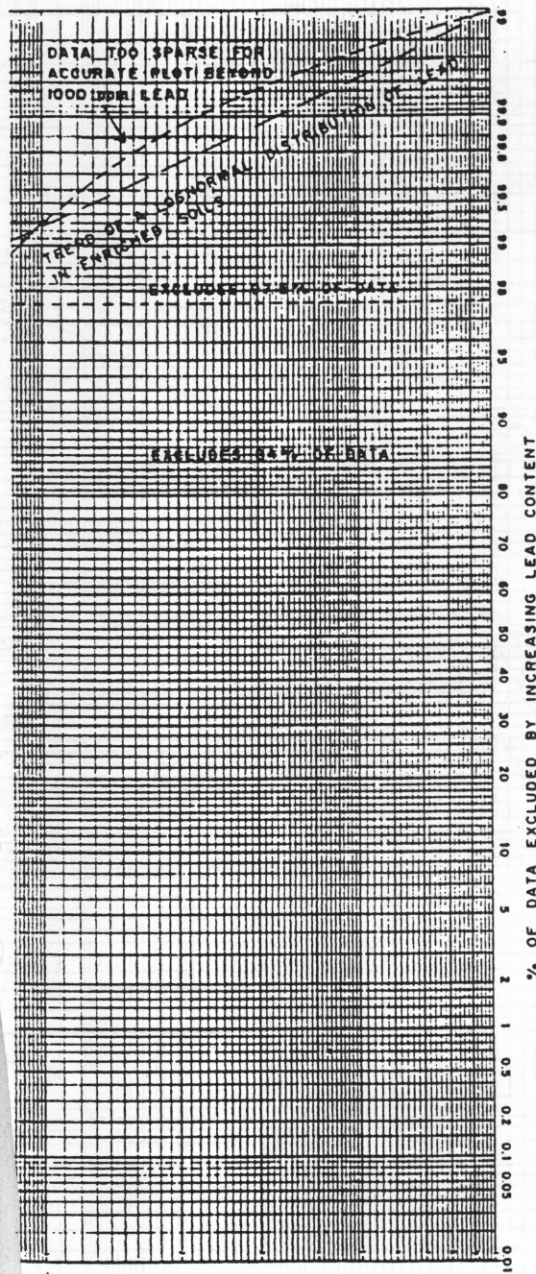
LEGEND



# LEGEND

- N = 153 for the 1990 soil survey
- b median value which approximates the mean value
- b+s first positive standard deviation
- b+2s second positive standard deviation

NOTE: For map of distribution of lead in soils, see Figure 15.



*Donald W. Tully*

To accompany a Report by  
Donald W. Tully, P.Eng.,  
dated December 31, 1990

**FIGURE 19.**

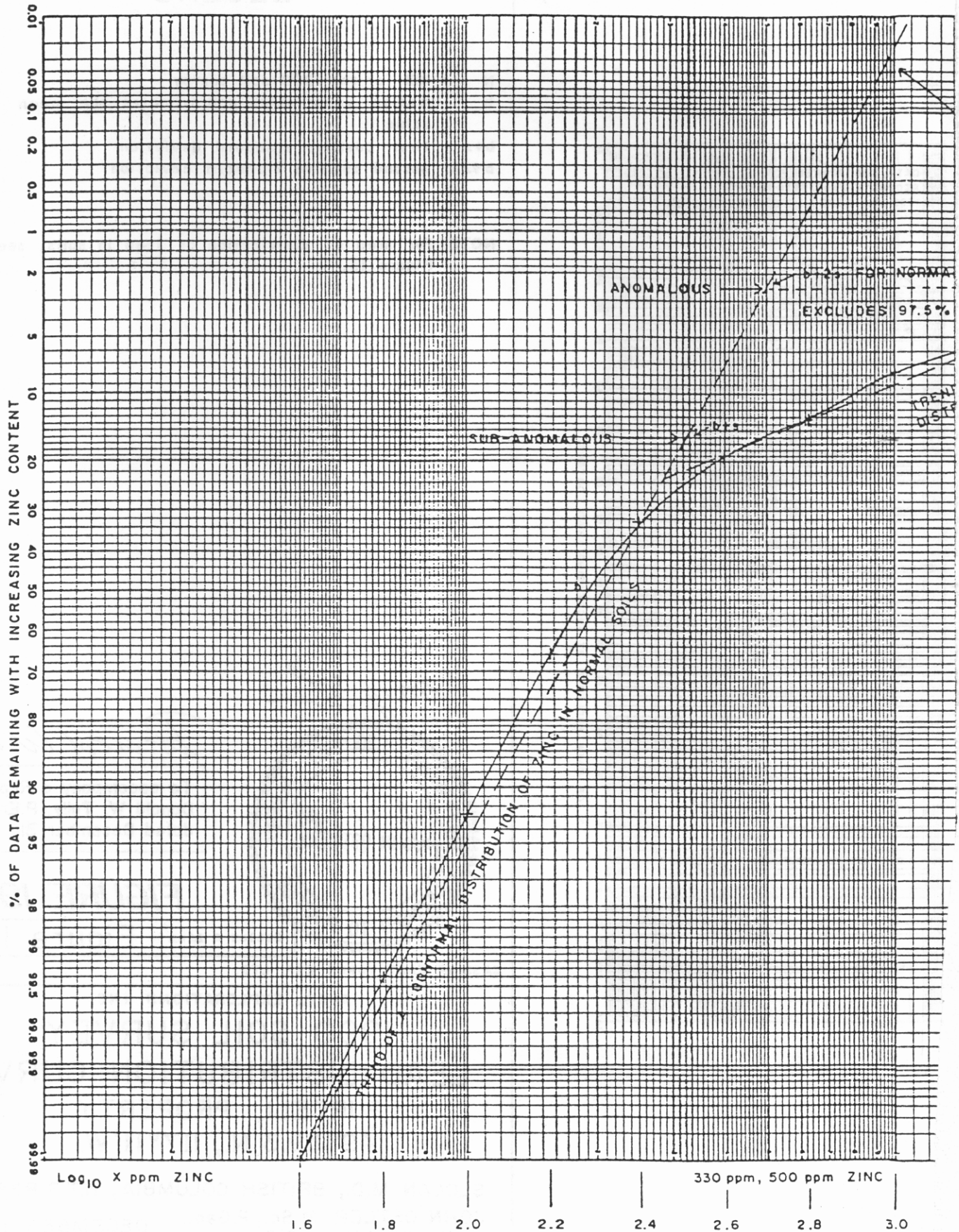
Ostler & Linn - Figure 11

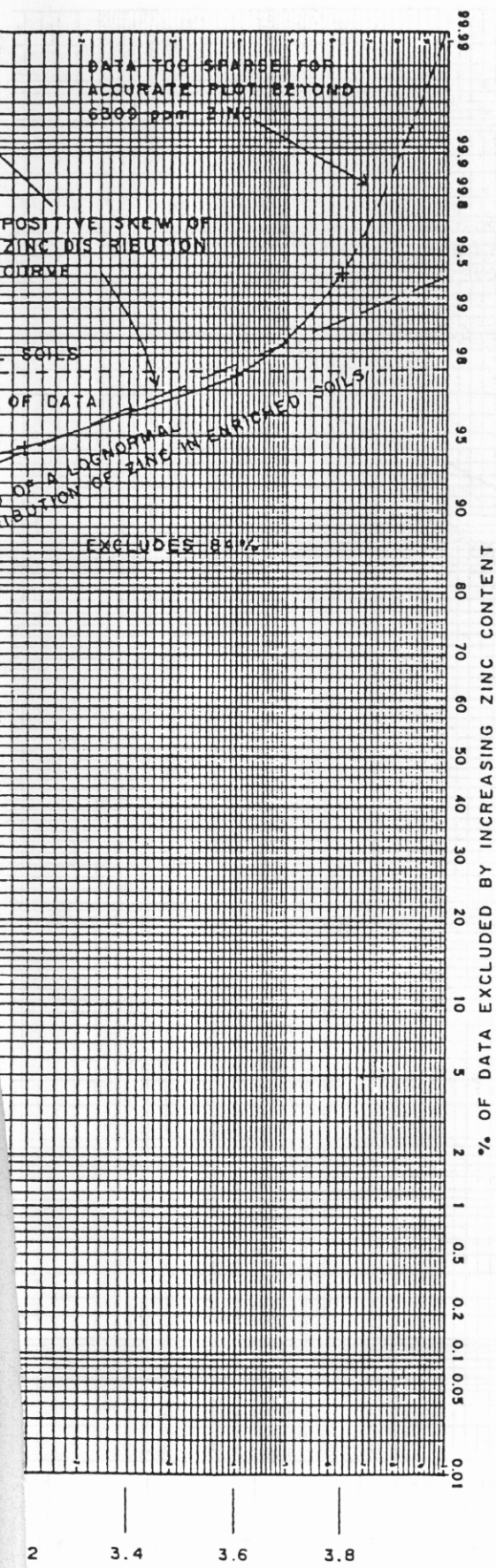
CASSIAR EAST YUKON EXP. LTD.

AVRIL EXPLORATIONS INC.

## 1990 SOIL SURVEY: LEAD DISTRIBUTION CURVE PURCELL PROPERTY 49° 59.3' N., 117° 11' W.

SLOCAN M.D., BRITISH COLUMBIA, N.T.S.82F/14  
JOHN OSTLER; M.Sc., P.Geol.      DECEMBER, 1990  
MICHAEL LINN, B.Sc.





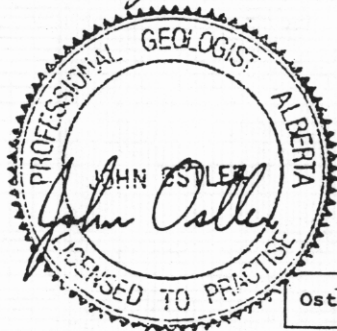
# LEGEND

- N = 153 for the 1990 soil survey
- b median value which approximates the mean value
- b+s first positive standard deviation
- b+2s second positive standard deviation

NOTE: For map of distribution of zinc in soils, see Figure 16.

*M. J. Linn*

*Donald W. Tully*



To accompany a Report by  
Donald W. Tully, P.Eng.,  
dated December 31, 1990

## FIGURE 20.

Ostler & Linn - Figure 12

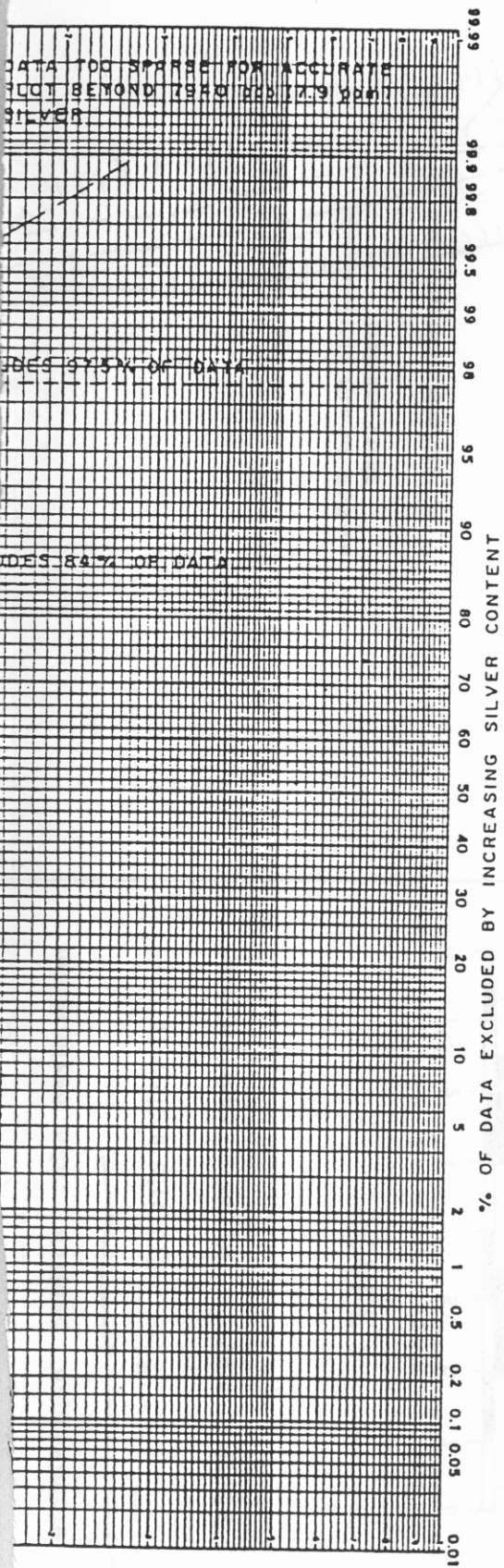
CASSIAR EAST YUKON EXP. LTD.

AVRIL EXPLORATIONS INC.

1990 SOIL SURVEY:  
ZINC DISTRIBUTION CURVE  
PURCELL PROPERTY  
49°59.3'N., 117°11'W.

SLOCAN M.D., BRITISH COLUMBIA, N.T.S.82F/14  
JOHN OSTLER; M.Sc., P.Geol. DECEMBER, 1990  
MICHAEL LINN, B.Sc.

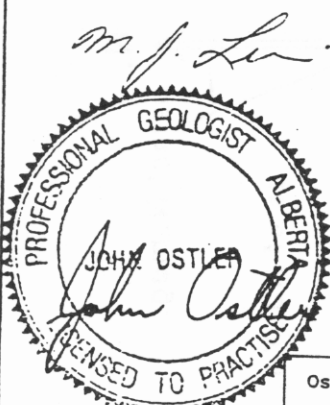




# LEGEND

- N = 153 for the 1990 soil survey
- b median value which approximates the mean value
- b+s first positive standard deviation
- b+2s second positive standard deviation

NOTE: For map of distribution of silver in soils, see Figure 17.



*Donald W. Tully*

To accompany a Report by Donald W. Tully, P.Eng., dated December 31, 1990

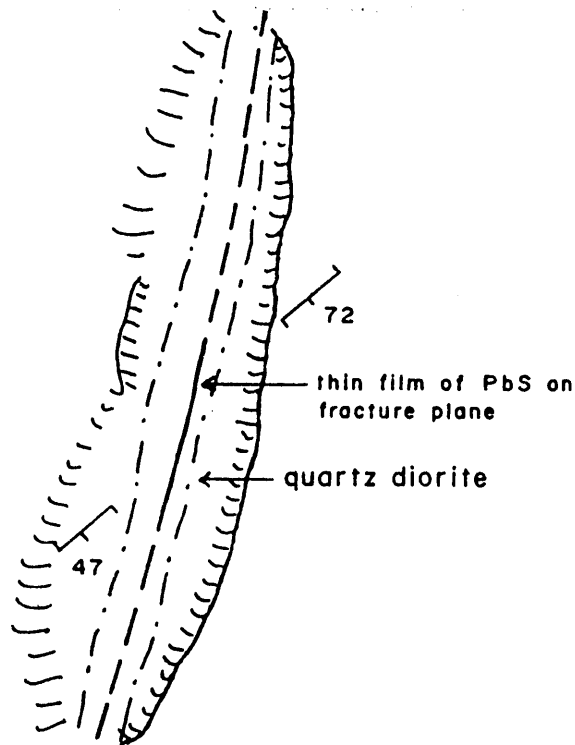
**FIGURE 21.**

Ostler & Linn - Figure 13

CASSIAR EAST YUKON EXP. LTD.

AVRIL EXPLORATIONS INC.  
**1990 SOIL SURVEY:**  
**SILVER DISTRIBUTION CURVE**  
**PURCELL PROPERTY**  
**49° 59.3' N., 117° 11' W.**

SLOCAN M.D., BRITISH COLUMBIA, N.T.S. 82F/14  
 JOHN OSTLER; M.Sc., P.Geol.      DECEMBER, 1990  
 MICHAEL LINN, B.Sc.



To accompany a Report by  
Donald W. Tully, P.Eng.,  
dated December 31, 1990

NOTES: For location on property, see Figure 4.

For intersection of the East Vein by the  
Grey Copper No.3 drift, see Figure 19B.

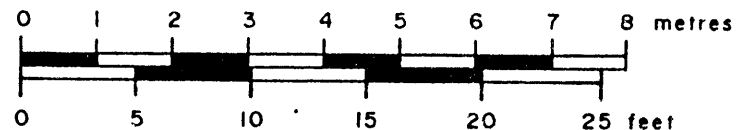
CASSIAR EAST YUKON EXP. LTD.

mineralized vein: defined approximate

limit of visible alteration

bedding: tops unknown vein attitude

SCALE



N.

19°46' N. mag.

**FIGURE 22.**

as of JULY 1, 1990

Ostler & Linn - Figure 21

AVRIL EXPLORATIONS INC.

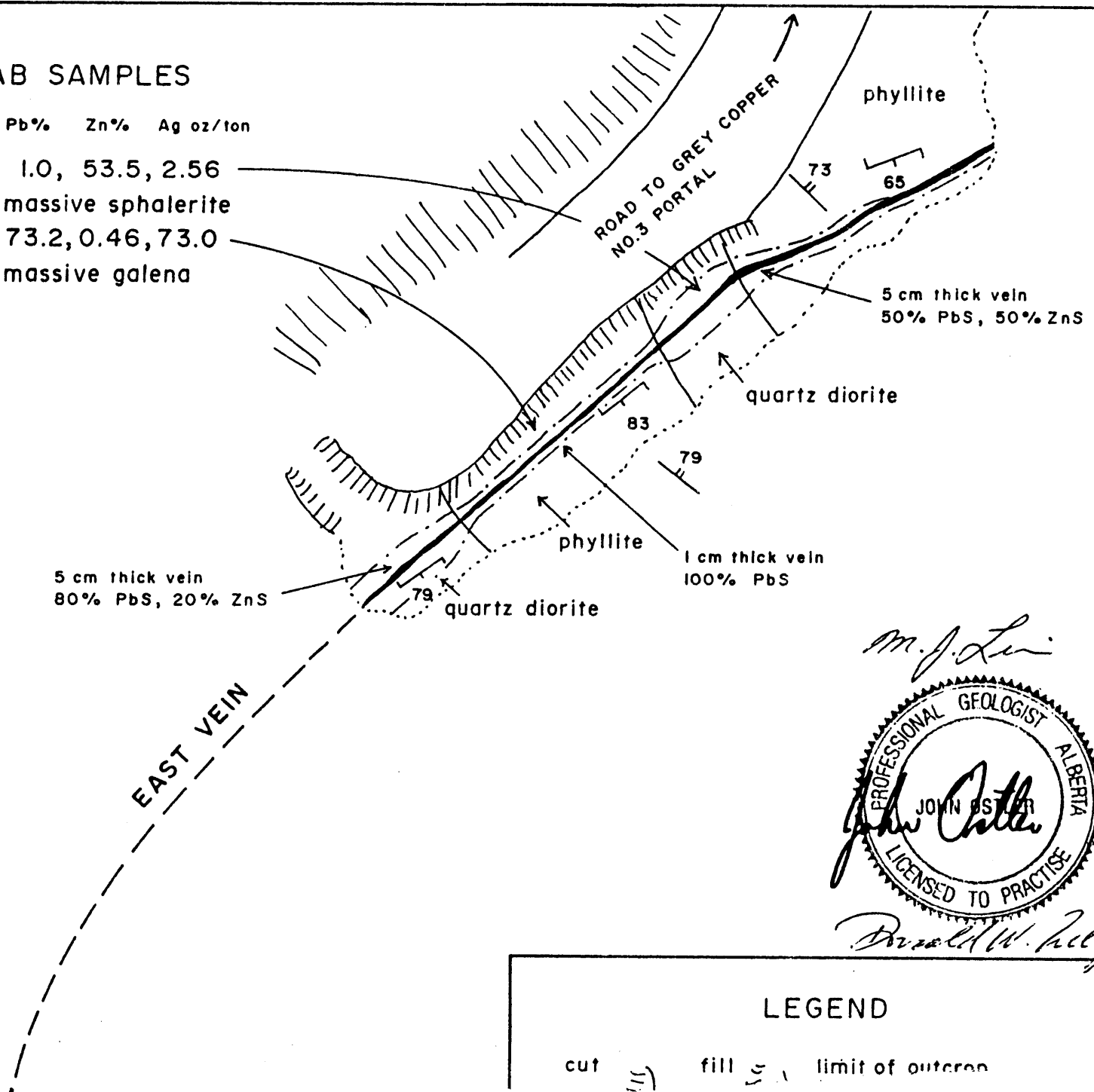
**EAST VEIN:  
SURFACE EXPOSURE  
PURCELL PROPERTY  
49°59.3'N., 117°11'W.**

SLOCAN M.D., BRITISH COLUMBIA, N.T.S.82F/14  
JOHN OSTLER; M.Sc., P.Geol. DECEMBER, 1990  
MICHAEL LINN, B.Sc.



### GRAB SAMPLES

Sample No.	Pb%	Zn%	Ag oz/ton
EVTR-8N	1.0,	53.5,	2.56
	massive sphalerite		
EVTR-4N	73.2,	0.46,	73.0
	massive galena		



*M. J. Liu*  
 PROFESSIONAL GEOLOGIST ALBERTA  
*John Chatter*  
 LICENSED TO PRACTISE  
*Donald W. Kelly*

### LEGEND

cut fill limit of outcrop

APPENDIX 2

(OSTLER AND LINN CALCULATIONS)

APPENDIX 2

5.3(ii) Projected Revenue from First Phase of Recommended Major Program

MINERALIZATION PRODUCED DURING PROGRAM

Slashing of 37 m of No.5A Drift . . . . .	23.2 tons
Advance of No.5A Drift for 50 m . . . . .	125.4 tons
Raise p+37 m . . . . .	44.0 tons
Raise p+62 m . . . . .	66.0 tons
Raise p+87 m . . . . .	<u>154.0 tons</u>
Total Mineralization Produced during Program . . .	412.6 tons

AVERAGE ASSAYS

	Pb	Zn	Ag	Total
Mineralization along drift	18.80%	29.55%	4.82 oz/ton	
\$CDN Value/ton	\$80.28	\$473.35	\$23.47	\$577.10
Mineralization in raises	0.06%	41.21%	6.66 oz/ton	
\$CDN Value/ton	\$00.26	\$600.35	\$32.43	\$693.04

NOTE: The values tabled above are computed from L.M.E. prices for December 10, 1990  
Pb = \$US 0.1825/lb, Zn = \$US 0.6848/lb, Ag = \$US 4.16/oz  
= \$CDN0.2135/lb, = \$CDN0.8012/lb, = \$CDN4.87/oz

APPENDIX 2

NET REVENUE PROJECTIONS FOR FIRST PHASE  
OF RECOMMENDED MAJOR PROGRAM

	Depressed Zinc Price Zn=\$US 0.500 -\$CDNO.5850	Current Zinc Price Zn=\$US 0.6845 -\$CDNO.8012	Advanced Zinc Price Zn=\$US 0.900 -\$CDN1.033
<b>Gross Revenue:</b>			
148.6 tons from drifts . . . . .	\$ 66,794	\$ 85,757	\$ 98,758
264.0 tons from raises . . . . .	\$135,920	\$182,963	\$237,750
412.6 tons total . . . . .	\$202,714	\$268,720	\$336,508
<b>Production Costs:</b>			
Cost of 1991 Program . . . . .	\$130,000	\$130,000	\$130,000
Loading and handling of mineral + road work (wear from trucks) . . . . .	\$ 10,000	\$ 10,000	\$ 10,000
Shipping from property to mill 412.6 tons @ \$5/ton . . . . .	\$ 2,063	\$ 2,063	\$ 2,063
Milling charge: 412.6 tons @ \$40/ton . . . . .	\$ 16,504	\$ 16,504	\$ 16,504
Losses during transport+milling: 5% of gross value . . . . .	\$ 10,136	\$ 13,436	\$ 16,825
Shipping from mill to smelter at Trail, B.C.: 275 tons of concentrate @ \$17/ton . . . . .	\$ 4,675	\$ 4,675	\$ 4,675
Smelting charge for zinc con. 275 tons @ \$335/ton . . . . .	\$ 92,125	\$ 92,125	\$ 92,125
Provincial mineral tax . . . . .	\$ 00	\$ 00	\$ 1,286
Total Production costs . . . . .	\$265,503	\$268,803	\$273,478
<b>Net Revenue from Program:</b>			
Gross Revenue . . . . .	\$202,714	\$268,720	\$336,508
Production Costs . . . . .	-\$265,503	-\$268,803	-\$273,478
Net Revenue . . . . .	(\$ 62,789)	(\$ 83)	\$ 63,030
<b>Cash remaining in exploration account after program assuming initial \$130,000 financing of the program . . . . .</b>			
	\$ 67,211	\$129,917	\$193,030

NOTES: The average assays for mineralization in drifts and raises were used to develop the gross revenue from mineralization.

Revenue generated from lead and silver through the average assays was comparatively so small that changes in lead and zinc prices would be of little consequence. Net revenue projections involving only changes in zinc price were developed.

APPENDIX 2

The net revenue projections from the preceding analysis represent three cash-flow cases resulting from depressed, current and advanced zinc prices.

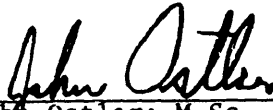
The net revenue projected for exploration during times of depressed zinc prices suggests that the company would recover \$67,211 from mineral product produced during the recommended \$130,000 first-phase program. If the company is in particularly strong financial condition while exploring during such times, it would be advisable to stockpile the mineral product for subsequent shipment during times of higher prices.

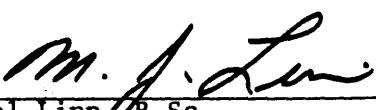
The net revenue projection for exploration when zinc prices are at current levels indicates that exploration could be conducted about on a break-even basis. This would allow the company to proceed with mine development without continual refinancing.

The net revenue projection for exploration during times of advanced zinc prices represents the ideal situation. With advanced zinc prices, this phase of mine development would return a profit of \$63,030 in addition to return of the initial \$130,000 program cost to the company's treasury. The result would be a net cash reserve of \$193,030 for future use.

In general, it must be expected that underground exploration through drifts and raises is not very profitable. The pay out comes from large-scale stoping during subsequent mining. The greatest increase in value contributed to the company by the recommended program is not the small profit that may be gained through exploration. It is in proving ore reserves for subsequent mining.

Vancouver, British Columbia  
December 31, 1990

  
\_\_\_\_\_  
John Ostler; M.Sc., P.Geol.  
Consulting Geologist  
President, Avril Explorations Inc.

  
\_\_\_\_\_  
Michael Linn; B.Sc.  
Consulting Geologist

APPENDIX 3

(ASSAY CERTIFICATES)

DON TULLY ENGINEERING LTD.  
SUITE 1205, 555-13TH STREET  
WEST VANCOUVER, BRITISH COLUMBIA  
V7T 2N8



APPENDIX 3



**Chemex Labs Ltd.**

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

To: AVRIL EXPLORATIONS INC.

1016 - 470 GRANVILLE ST.  
 VANCOUVER, BC  
 V6C 1V5

APPENDIX B

Rock Assay

Page Number : 1  
 Total Pages : 1  
 Invoice Date : 15-JUL-90  
 Invoice No. : I-9018004  
 P.O. Number :

Project :  
 Comments: ATTN: JOHN OSTLER

**CERTIFICATE OF ANALYSIS      A9018004**

SAMPLE DESCRIPTION	PREP CODE	Au oz/T	Ag oz/T	Cu %	Pb %	Zn %	As %				
GCL3-SG	208 294	0.002	107.0	0.02	56.2	15.90	0.01				

CERTIFICATION: \_\_\_\_\_



APPENDIX 3



## Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

To: AVRIL EXPLORATIONS INC.

1016 - 470 GRANVILLE ST.  
 VANCOUVER, BC  
 V6C 1V5

APPENDIX A

A9019595

Comments: ATTN: JOHN OSTLER

<b>CERTIFICATE</b>	<b>A9019595</b>
--------------------	-----------------

AVRIL EXPLORATIONS INC.

Project:  
 P.O.#:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 2-AUG-90.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	135	Dry, sieve to -80 mesh
203	2	Dry, sieve to -35 mesh
205	2	Geochem ring to approx 150 mesh
217	16	Geochem ring entire sample
238	153	NITRIC-AQUA REGIA DIGESTION

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
2	153	Cu ppm: HNO3-aqua regia digest	AAS	1	10000
4	153	Pb ppm: HNO3-aqua regia digest	AAS-BKGD CORR	1	10000
5	153	Zn ppm: HNO3-aqua regia digest	AAS	1	10000
6	153	Ag ppm: HNO3-aqua regia digest	AAS-BKGD CORR	0.2	100.0
1990 SOILS					

APPENDIX 3



## Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

To: AVRIL EXPLORATIONS INC.

1016 - 470 GRANVILLE ST.  
 VANCOUVER, BC  
 V6C 1V5

APPENDIX C

Page Number : 1  
 Total Pages : 4  
 Invoice Date : 2-AUG-90  
 Invoice No. : I-9019595  
 P.O. Number :

Project :  
 Comments : ATTN: JOHN OSTLER

**CERTIFICATE OF ANALYSIS      A9019595**

SAMPLE DESCRIPTION	PREP CODE	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R						
00S - 000W	201 238	130	120	1900	1.5						
00S - 050W	201 238	54	10	135	0.4						
00S - 100W	201 238	56	14	140	0.4						
00S - 150W	201 238	46	30	114	0.3						
00S - 200W	201 238	30	10	112	0.5						
00S - 250W	201 238	34	14	145	1.0						
00S - 300W	201 238	36	14	175	0.2						
00S - 350W	201 238	60	15	340	1.4			1990 SOILS			
00S - 400W	201 238	56	12	210	1.2						
00S - 450W	201 238	26	88	1100	1.3						
00S - 500W	201 238	156	>10000	>100000	90.0						
00S - 550W	201 238	34	58	212	0.8						
00S - 600W	201 238	22	84	165	0.3						
00S - 650W	201 238	14	34	178	0.3						
50S - 000W	201 238	19	22	158	0.8						
50S - 050W	201 238	18	14	180	0.2						
50S - 100W	201 238	36	20	160	0.3						
50S - 150W	201 238	52	12	145	0.5						
50S - 200W	201 238	38	10	155	0.5						
50S - 250W	201 238	32	26	270	0.4						
50S - 300W	201 238	18	20	134	0.2						
50S - 350W	201 238	60	22	228	0.7						
50S - 400W	201 238	34	16	188	0.3						
50S - 450W	201 238	40	14	510	0.6						
50S - 500W	201 238	34	470	1800	3.5						
50S - 550W	201 238	22	22	215	1.0						
50S - 600W	201 238	26	16	240	0.3						
50S - 650W	201 238	16	26	280	0.2						
50N - 250W	201 238	16	8	65	0.7						
50N - 300W	201 238	60	20	265	0.3						
50N - 350W	201 238	16	8	60	0.2						
50N - 400W	201 238	32	10	132	0.3						
50N - 450W	201 238	60	28	900	0.2						
50N - 500W	201 238	60	1000	6100	8.3						
50N - 550W	201 238	34	22	195	1.3						
50N - 600W	201 238	32	20	115	0.4						
50N - 650W	201 238	24	12	138	0.6						
100S - 000W	201 238	38	18	250	0.5						
100S - 050W	201 238	32	9	135	0.3						
100S - 100W	201 238	40	14	130	0.5						

CERTIFICATION: John Ostler

APPENDIX 3



## Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

To: AVRIL EXPLORATIONS INC.

1016 - 470 GRANVILLE ST.  
 VANCOUVER, BC  
 V6C 1V5

APPENDIX C

Page Number : 2  
 Total Pages : 4  
 Invoice Date : 2-AUG-90  
 Invoice No. : I-9019595  
 P.O. Number :

Project :  
 Comments : ATTN: JOHN OSTLER

<b>CERTIFICATE OF ANALYSIS</b>	<b>A9019595</b>
--------------------------------	-----------------

SAMPLE DESCRIPTION	PREP CODE	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R						
100S - 150W	201 238	36	14	165	0.2						
100S - 200W	201 238	12	14	83	0.4						
100S - 250W	201 238	54	40	225	1.4						
100S - 300W	201 238	32	18	210	0.5						
100S - 350W	201 238	48	10	162	0.5						
100S - 400W	201 238	42	14	105	0.2						
100S - 450W	201 238	38	16	350	0.6						
100N - 300W	201 238	34	40	155	0.2						
100N - 350W	217 238	38	36	142	0.5						
100N - 400W	201 238	84	114	3000	5.0					1990 SOILS	
100N - 450W	201 238	42	450	2250	5.8						
100N - 500W	201 238	32	12	160	0.8						
100N - 550W	201 238	18	30	115	0.2						
100N - 600W	201 238	28	20	150	0.3						
100N - 650W	201 238	14	20	105	0.9						
150S - 050E	201 238	22	18	240	0.4						
150S - 000W	201 238	24	12	156	0.2						
150S - 050W	201 238	38	10	120	0.3						
150S - 100W	201 238	46	26	225	0.4						
150S - 150W	201 238	20	60	170	0.4						
150S - 200W	201 238	48	8	115	0.4						
150S - 250W	201 238	68	12	225	0.6						
150S - 300W	201 238	26	20	245	0.4						
150S - 350W	201 238	30	10	120	0.2						
150S - 400W	201 238	36	11	73	< 0.2						
150S - 450W	201 238	34	20	190	< 0.2						
150N - 250W	201 238	10	16	98	< 0.2						
150N - 300W	201 238	66	20	265	0.5						
150N - 350W	201 238	74	14	145	1.7						
150N - 400W	201 238	58	40	750	3.2						
150N - 450W	201 238	64	400	4200	3.0						
150N - 500W	201 238	30	18	160	0.6						
150N - 550W	201 238	60	14	155	1.1						
150N - 600W	201 238	24	19	125	0.3						
200S - 050E	201 238	18	14	140	0.3						
200S - 000W	201 238	14	10	118	0.6						
200S - 050W	201 238	48	10	140	0.4						
200S - 100W	201 238	46	14	165	0.8						
200S - 150W	201 238	16	14	184	0.2						
200S - 200W	201 238	32	16	172	0.6						

CERTIFICATION: John Ostler

APPENDIX 3



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

To: AVRIL EXPLORATIONS INC.  
 1016 - 470 GRANVILLE ST.  
 VANCOUVER, BC  
 V6C 1V5

APPENDIX C

Page Number : 3  
 Total Pages : 4  
 Invoice Date : 2-AUG-90  
 Invoice No. : I-9019595  
 P.O. Number :

Project :  
 Comments: ATTN: JOHN OSTLER

**CERTIFICATE OF ANALYSIS A9019595**

SAMPLE DESCRIPTION	PREP CODE	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R						
200S - 250W	201 238	50	14	145	0.7						
200S - 300W	201 238	16	18	222	0.4						
200S - 350W	201 238	18	20	205	0.3						
200S - 400W	201 238	44	14	100	< 0.2						
200S - 450W	201 238	100	48	330	4.5						
200S - 500W	201 238	48	60	260	1.6						
200S - 550W	201 238	60	450	3000	3.0						
200S - 600W	201 238	34	26	115	1.0						
200S - 650W	201 238	18	26	275	0.3						
200N - 200W	217 238	20	16	173	< 0.2						1990 SOILS
200N - 250W	217 238	26	20	475	<< 0.2						
200N - 300W	217 238	36	20	200	<< 0.2						
200N - 350W	217 238	36	24	255	< 0.2						
200N - 400W	217 238	50	74	1000	4.6						
200N - 450W	203 205	74	28	310	1.9						
200N - 500W	201 238	74	8	88	0.6						
200N - 550W	201 238	48	11	80	< 0.2						
250S - 050E	201 238	14	14	125	0.2						
250S - 100E	201 238	40	26	260	1.2						
250S - 000W	201 238	18	10	126	0.3						
250S - 050W	201 238	36	16	220	0.6						
250S - 100W	201 238	38	15	140	1.0						
250S - 150W	201 238	16	15	250	0.7						
250S - 200W	201 238	30	17	200	0.8						
250S - 250W	201 238	50	10	145	0.6						
250S - 300W	201 238	24	24	200	0.2						
250S - 350W	201 238	34	22	190	0.4						
250S - 400W	201 238	48	14	180	0.2						
250S - 450W	201 238	36	12	104	< 0.2						
250S - 500W	201 238	26	134	330	1.0						
250S - 550W	201 238	38	200	1200	< 2.4						
250S - 600W	201 238	28	32	365	<< 0.2						
250S - 650W	201 238	24	28	260	< 0.2						
250W - 150W	217 238	50	26	650	1.2						
250W - 200W	217 238	36	16	650	0.2						
250W - 250W	217 238	38	20	600	< 0.7						
250W - 300W	217 238	24	28	230	< 0.2						
250W - 350W	217 238	48	28	430	0.5						
250W - 400W	217 238	22	90	680	0.9						
300S - 050E	201 238	28	12	160	0.3						

CERTIFICATION: John Ostler

APPENDIX 3



## Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

To: AVRIL EXPLORATIONS INC.

1016 - 470 GRANVILLE ST.  
 VANCOUVER, BC  
 V6C 1V5

APPENDIX C

Page Number : 4  
 Total Pages : 4  
 Invoice Date : 2-AUG-90  
 Invoice No. : I-9019595  
 P.O. Number :

Project :  
 Comments: ATTN: JOHN OSTLER

**CERTIFICATE OF ANALYSIS      A9019595**

SAMPLE DESCRIPTION	PREP CODE	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R						
300S - 100E	201 238	70	156	600	2.1						
300S - 000W	201 238	26	32	185	0.5						
300S - 050W	201 238	38	16	185	0.6						
300S - 100W	201 238	30	10	450	0.4						
300S - 150W	201 238	24	16	190	0.2						
300S - 200W	201 238	28	12	122	< 0.2						
300S - 250W	201 238	25	21	190	< 0.2						
300S - 300W	201 238	25	18	162	< 0.2						
300S - 350W	201 238	20	18	228	0.4					1990 SOILS	
300S - 400W	201 238	14	16	165	< 0.2						
300S - 450W	201 238	24	44	365	< 0.2						
300S - 500W	201 238	38	16	120	0.2						
300S - 550W	201 238	36	14	110	0.3						
300S - 600W	201 238	36	98	500	1.6						
300S - 650W	201 238	24	24	260	0.3						
300N - 150W	203 205	164	870	5100	10.8						
300N - 200W	217 238	26	30	600	0.5						
300N - 250W	217 238	62	18	900	0.8						
300N - 300W	217 238	60	44	1250	0.8						
300N - 350W	217 238	36	370	1900	3.1						
350S - 000W	201 238	14	16	100	0.4						
350S - 050W	201 238	44	16	95	1.6						
350S - 100W	201 238	38	16	130	0.4						
350S - 150W	201 238	58	10	110	0.2						
350S - 200W	201 238	30	10	86	0.2						
350S - 250W	201 238	22	12	120	< 0.2						
350S - 300W	201 238	36	80	255	0.2						
350S - 350W	201 238	54	42	255	0.6						
350S - 400W	201 238	19	56	290	0.5						
350S - 650W	201 238	28	106	460	0.6						
400S - 000W	201 238	32	11	161	< 0.2						
400S - 350W	201 238	20	82	225	< 0.2						
400S - 400W	201 238	12	40	140	0.2						

CERTIFICATION: \_\_\_\_\_

*John Ostler*

APPENDIX 3



## Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

To: AVRIL EXPLORATIONS INC.

1016 - 470 GRANVILLE ST.  
 VANCOUVER, BC  
 V6C 1V5

APPENDIX A

Rock Assay

A9019954

Comments: ATTN: JOHN OSTLER CC: DON TULLY

<b>CERTIFICATE</b>	<b>A9019954</b>
--------------------	-----------------

AVRIL EXPLORATIONS INC.

Project:  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 15-AUG-90.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
208	11	Assay ring to approx 150 mesh
294	11	Crush and split (0-10 pounds)

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
398	11	Au ox/T: 1/2 assay ton	FA-AAS	0.002	20.00
385	11	Ag ox/T: Aqua regia digestion	AAS	0.01	20.0
331	11	As %: HClO4-HNO3 digestion	AAS	0.01	100.0
301	11	Cu %: HClO4-HNO3 digestion	AAS	0.01	100.0
312	11	Pb %: HClO4-HNO3 digestion	AAS	0.01	100.0
316	11	Zn %: HClO4-HNO3 digestion	AAS	0.01	100.0
NOTE: Assay procedure for A9019954 and A9015968 are the same.					

APPENDIX 3



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

To: AVRIL EXPLORATIONS INC.

1016 - 470 GRANVILLE ST.  
 VANCOUVER, BC  
 V6C 1V5

APPENDIX B

Page Number : 1  
 Total Pages : 1  
 Invoice Date : 15-AUG-90  
 Invoice No. : I-9019954  
 P.O. Number :

Project :  
 Comments : ATTN: JOHN OSTLER CC: DON TULLY

Rock Assay

**CERTIFICATE OF ANALYSIS      A9019954**

SAMPLE DESCRIPTION	PREP CODE	Au oz/T	Ag oz/T	As %	Cu %	Pb %	Zn %				
34072T-01	208 294	< 0.004	108.0	0.03	0.02	51.3	8.94				
34073T-02	208 294	< 0.002	31.8	0.03	0.03	20.6	28.5				
34074T-03	208 294	< 0.002	30.5	0.03	0.07	6.53	47.0				
34075T-04L	208 294	< 0.002	78.1	0.03	0.05	68.2	3.61				
34076T-04Z	208 294	< 0.002	2.96	0.01	0.15	1.06	51.9				
34077T-05	208 294	< 0.002	2.25	< 0.01	0.09	0.47	34.9				
34078T-06	208 294	< 0.002	1.35	< 0.01	0.11	0.08	51.3				
34079T-07	208 294	< 0.002	12.10	0.04	0.13	0.28	48.9				
34080T-08	208 294	< 0.002	1.94	0.02	0.13	0.04	41.7				
34081T-09	208 294	< 0.002	88.6	0.04	0.02	63.4	7.25				
34082T-10	208 294	0.002	11.90	0.13	0.14	0.50	47.3				
SEE ABOVE SAMPLE NUMBERS - D.W. TULLY											
34072T-01	No. 3	Adit, Vein of galena + sphalerite + quartz grab									
34073T-02	No. 3	Adit, Vein of galena + sphalerite + quartz grab									
34074T-03	No. 3	Adit, Vein of galena + sphalerite + quartz grab									
34075T-04L	No. 3	Adit, Vein of galena + quartz - sample at track level - grab									
34076T-04Z	No. 3	Adit, Vein of sphalerite + quartz - sample at back level - grab									
34077T-05	No. 3	Adit, Vein of sphalerite + quartz - grab									
34078T-06	No. 5	Adit, Vein of sphalerite + quartz - grab									
34079T-07	No. 5	Adit, Vein of sphalerite + quartz - grab									
34080T-08	No. 5	Adit, Vein of sphalerite + quartz - grab									
34081T-09	No. 5	Adit, Vein of sphalerite + galena - grab									
34082T-10	Purcel	Dump - grab of sphalerite mineralization									

CERTIFICATION: \_\_\_\_\_



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

To: AVRIL EXPLORATIONS INC.

1016 - 470 GRANVILLE ST.  
 VANCOUVER, BC  
 V6C 1V5

APPENDIX A

32 Element ICP

A9023175

Comments: ATTN: JOHN OSTLER CC: DON TULLY

**CERTIFICATE** **A9023175**

AVRIL EXPLORATIONS INC.

Project:  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 25-SEP-90.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
214	5	Received sample as pulp
233	5	Assay AQ ICP digestion charge

NOTE 1:  
 The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
921	5	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
922	5	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
923	5	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	5	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	5	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	5	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	5	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	5	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	5	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	5	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	5	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	5	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	5	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
951	5	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	5	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	5	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	5	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	5	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
938	5	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	5	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	5	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	5	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	5	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	5	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
958	5	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
944	5	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	5	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	5	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	5	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	5	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	5	W ppm: 32 element, soil & rock	ICP-AES	10	10000
950	5	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
320	5	Cd %: HClO4-HNO3 digestion	AAS	0.001	100.00

NOTE: Analytical Procedures for A9015970 and A9023175 are the same.



APPENDIX 3



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

To: AVRIL EXPLORATIONS INC.  
 1016 - 470 GRANVILLE ST.  
 VANCOUVER, BC  
 V6C 1V5

APPENDIX B  
 32 element ICP

Page Number: 1-A  
 Total Pages: 1  
 Invoice Date: 25-SEP-90  
 Invoice No.: I-9023175  
 P.O. Number:

Project:  
 Comments: ATTN: JOHN OSTLER CC: DON TULLY

**CERTIFICATE OF ANALYSIS      A9023175**

SAMPLE DESCRIPTION	PREP CODE	Al %	Ag ppm	As ppm	Ba ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
34072T-01	214 233	0.25	>200	65	20	< 0.5	20	0.25	>100.0	4	26	350	2.05	< 10	2	0.15	< 10	0.08	710	2
34074T-03	214 233	0.18	>200	360	10	< 0.5	70	0.56	>100.0	10	21	774	5.65	< 10	4	0.04	< 10	0.14	1460	8
34077T-05	214 233	0.17	81.2	65	30	< 0.5	38	0.18	>100.0	8	< 1	960	>15.00	< 10	< 1	< 0.01	< 10	0.84	>10000	9
34079T-07	214 233	0.15	>200	465	80	< 0.5	64	0.16	>100.0	11	14	1385	7.19	< 10	< 1	0.06	< 10	0.06	2100	6
34082T-10	214 233	0.15	>200	1150	< 10	< 0.5	62	0.04	>100.0	15	13	1530	6.29	< 10	1	0.08	< 10	0.01	455	7

CERTIFICATION: B. Coughlin

APPENDIX 3



## Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

To: AVRIL EXPLORATIONS INC.

1016 - 470 GRANVILLE ST.  
 VANCOUVER, BC  
 V6C 1V5

APPENDIX B  
 32 element ICP

Page Number : 1-B  
 Total Pages : 1  
 Invoice Date : 25-SEP-90  
 Invoice No. : I-9023175  
 P.O. Number :

Project :  
 Comments: ATTN: JOHN OSTLER CC: DON TULLY

**CERTIFICATE OF ANALYSIS      A9023175**

SAMPLE DESCRIPTION	PREP CODE		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn	Cd
			µg/g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	µg/g	ppm	ppm	ppm	ppm	ppm
34072T-01	214	233	0.02	3	260	>10000	4040	< 1	52	< 0.01	10	< 10	1	520	>10000	0.076
34074T-03	214	233	0.02	11	740	>10000	400	< 1	79	< 0.01	< 10	< 10	< 1	790	>10000	0.380
34077T-05	214	233	0.01	6	640	4460	< 5	4	13	< 0.01	< 10	< 10	< 1	600	>10000	0.250
34079T-07	214	233	0.01	8	800	2760	95	< 1	12	< 0.01	30	30	< 1	760	>10000	0.360
34082T-10	214	233	0.01	21	760	5000	< 5	< 1	3	< 0.01	< 10	< 10	< 1	740	>10000	0.370

CERTIFICATION: B. Coughlin

APPENDIX 3



## Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

To: AVRIL EXPLORATIONS INC.  
 1016 - 470 GRANVILLE ST.  
 VANCOUVER, BC  
 V6C 1V5

APPENDIX B  
 32 element ICP

Page Number: 1-A  
 Total Pages: 1  
 Invoice Date: 1-JUN-90  
 Invoice No.: 1-9015970  
 P.O. Number:

Project: PURCELL  
 Comments: ATTN: JOHN OSTLER

**CERTIFICATE OF ANALYSIS      A9015970**

SAMPLE DESCRIPTION	PREP CODE	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
		µg/g	PPM	PPM	PPM	PPM	PPM	µg/g	PPM	PPM	PPM	PPM	PPM	µg/g	PPM	PPM	µg/g	PPM	µg/g	PPM
CCL-5 ZN	299 233	0.08	52.6	160	< 10	< 0.5	38	0.01	>100.0	14	9	828	7.44	10	< 1	0.01	< 10	0.07	3700	3

CERTIFICATION: B. Coughlin

APPENDIX 3



## Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

To: AVRIL EXPLORATIONS INC.

1016 - 470 GRANVILLE ST.  
 VANCOUVER, BC  
 V6C 1V5

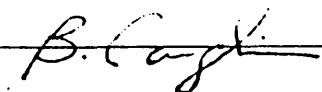
APPENDIX B  
 32 element ICP

Page Number : 1-B  
 Total Pages : 1  
 Invoice Date : 1-JUN-90  
 Invoice No. : I-9015970  
 P.O. Number :

Project : PURCELL  
 Comments: ATTN: JOHN OSTLER

**CERTIFICATE OF ANALYSIS      A9015970**

SAMPLE DESCRIPTION	PREP CODE	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
		µ	PPM	PPM	PPM	PPM	PPM	PPM	µ	PPM	PPM	PPM	PPM	PPM
DCL-5 ZN	299 233	< 0.01	< 1	840	40	< 5	< 1	1	< 0.01	< 10	< 10	2	390	>10000

  
 CERTIFICATION: \_\_\_\_\_



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

To: AVRIL EXPLORATIONS INC.

1016 - 470 GRANVILLE ST.  
 VANCOUVER, BC  
 V6C 1V5

APPENDIX B

Rock Assay

Page Number : 1  
 Total Pages : 1  
 Invoice Date : 04-JUN-90  
 Invoice No. : I-9015968  
 P.O. Number :

Project : PURCELL  
 Comments: ATTN: JOHN OSTLER

**CERTIFICATE OF ANALYSIS      A9015968**

SAMPLE DESCRIPTION	PREP CODE	Au oz/T	Ag oz/T	Cu %	Pb %	Zn %					
GCL-1-ASP	207 294	< 0.002	0.42	< 0.01	0.06	6.99					
GCL-2-PY	207 294	< 0.002	0.53	< 0.01	0.06	0.21					
GCL-5-PY	207 294	< 0.002	0.09	< 0.01	0.01	0.56					
GCL-5-ZN	207 294	< 0.002	1.45	0.08	< 0.01	54.7					

CERTIFICATION: *[Signature]*

APPENDIX 3



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

To: AVRIL EXPLORATIONS INC.

1016 - 470 GRANVILLE ST.  
 VANCOUVER, BC  
 V6C 1V5

APPENDIX B

Rock Assay

Page Number : 1  
 Total Pages : 1  
 Invoice Date : 22-JUL-90  
 Invoice No. : I-9018343  
 P.O. Number :

Project :  
 Comments: ATTN: JOHN OSTLER

**CERTIFICATE OF ANALYSIS      A9018343**

SAMPLE DESCRIPTION	PREP CODE	Au oz/T	Ag oz/T	Cu %	Pb %	Zn %	As %				
GC-3-080.0	207 294	0.002	79.6	0.05	36.2	27.8	0.03				
GC-3-131.0	207 294	0.002	1.77	< 0.01	0.61	3.74	0.15				
GC-3-138.5	207 294	< 0.002	9.76	0.01	15.90	8.55	0.08				
GC-3-142.0	207 294	< 0.002	33.3	0.06	16.60	37.3	0.04				
GC-3-144.5	207 294	< 0.002	33.8	0.06	16.50	36.9	0.04				
GC-3-151.0	207 294	< 0.018	106.0	0.02	54.7	16.30	< 0.01				
GC-3-158.0	207 294	< 0.002	146.0	0.02	64.7	6.28	< 0.01				
GC-3-182.0	207 294	0.004	6.23	0.01	2.16	5.34	0.10				
GC-5A-02.0	207 294	0.002	27.9	0.05	21.0	16.40	0.03				
GC-5A-04.0	207 294	0.002	4.66	0.06	1.38	18.20	0.40				
GC-5A-06.0	207 294	< 0.002	1.40	0.08	0.05	34.5	0.02				
GC-5A-08.0	207 294	0.002	7.27	0.08	1.82	25.3	0.12				
GC-5A-10.0	207 294	< 0.002	7.16	0.08	4.75	25.5	0.03				
GC-5A-12.0	207 294	< 0.002	1.75	0.08	0.10	30.7	0.03				
GC-5A-14.0	207 294	< 0.002	0.74	0.02	0.53	8.42	0.06				
GC-5A-16.0	207 294	< 0.002	2.01	0.13	0.03	42.8	0.01				
GC-5A-18.0	207 294	0.004	3.69	0.11	0.20	40.7	0.06				
GC-5A-20.0	207 294	< 0.002	0.27	0.02	0.05	3.83	0.05				
GC-5A-22.0	207 294	< 0.002	1.27	0.06	0.09	18.70	0.06				
GC-5A-24.0	207 294	< 0.002	4.90	0.12	0.09	42.0	0.03				
GC-5A-25.0	207 294	< 0.002	5.55	0.12	0.06	41.1	0.02				
GC-5A-30.0	207 294	0.002	4.59	0.14	0.07	49.0	0.04				
GC-5A-32.0	207 294	< 0.002	1.66	0.11	0.04	53.3	0.04				
GC-5A-33.6	207 294	0.002	8.88	0.14	0.08	49.6	0.15				
GC-5A-34.0	207 294	< 0.002	1.26	0.05	0.05	14.60	0.10				
GC-5A-36.0	207 294	0.002	23.1	0.15	0.07	41.3	0.04				
GC-5A-37.0	207 294	0.002	7.90	0.10	0.05	38.8	0.28				
GC-TRI-06S	207 294	< 0.002	1.86	0.03	0.03	12.00	0.23				
GC-TRI-08S	207 294	< 0.002	2.25	0.09	0.12	35.5	0.02				
GC-TRI-10S	207 294	< 0.002	1.45	0.08	0.01	30.0	< 0.01				
GC-TRI-12S	207 294	< 0.002	1.96	0.07	0.03	26.3	0.13				
GC-TRI-14S	207 294	< 0.002	0.47	0.03	0.05	9.32	0.01				
GC-TRI-15S	207 294	< 0.002	0.55	0.03	0.03	13.00	0.09				

CERTIFICATION: \_\_\_\_\_



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

To: AVRIL EXPLORATIONS INC.

1016 - 470 GRANVILLE ST.  
 VANCOUVER, BC  
 V6C 1V5

APPENDIX B

Rock Assay

Page Number : 1  
 Total Pages : 1  
 Invoice Date : 20-AUG-90  
 Invoice No. : I-9020517  
 P.O. Number :

Project :  
 Comments: ATTN: JOHN OSTLER

**CERTIFICATE OF ANALYSIS**      **A9020517**

SAMPLE DESCRIPTION	PREP CODE	Au oz/T	Ag oz/T	Cu †	Pb †	Zn †	As †				
GC-3-60	214 --	< 0.002	2.94	0.05	0.06	33.2	0.05				
GC-3-70	214 --	< 0.002	99.4	0.01	34.2	4.03	0.19				
GC-3-131 B	214 --	< 0.002	33.0	0.07	17.90	40.4	0.03				
GC-3-134	214 --	< 0.002	4.27	0.09	1.04	53.4	0.01				
GC-3-139	214 --	< 0.002	22.5	0.08	10.50	41.9	0.01				
GC-3-144	214 --	< 0.002	12.40	0.06	7.45	44.4	< 0.01				

CERTIFICATION: \_\_\_\_\_

APPENDIX 3



## Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221

To: AVRIL EXPLORATIONS INC.

1016 - 470 GRANVILLE ST.  
 VANCOUVER, BC  
 V6C 1V5

APPENDIX B

Rock Assay

Page Number : 1  
 Total Pages : 1  
 Invoice Date : 12-AUG-90  
 Invoice No. : I-9020088  
 P.O. Number :

Project : PURCELL PROPERTY  
 Comments: ATTN:JOHN OSTLER

**CERTIFICATE OF ANALYSIS      A9020088**

SAMPLE DESCRIPTION	PREP CODE	Au oz/T	Ag oz/T	Cu %	Pb %	Zn %	As %				
GC3-125	214 --	< 0.002	2.08	0.06	0.49	31.4	0.09				
GC5-1	214 --	< 0.002	1.15	0.01	0.06	1.93	0.01				
GC5-16	214 --	< 0.002	12.40	0.15	0.06	50.5	0.06				
GCTR1-228	214 --	< 0.002	2.18	0.12	0.03	47.4	0.02				
GCTR1-328	214 --	< 0.002	0.76	0.01	0.02	2.29	0.03				
EVTR1-1	214 --	< 0.002	182.0	0.01	61.3	0.46	0.04				
EVTR1-4N	214 --	< 0.002	73.0	0.04	73.2	2.77	0.04				
EVTR1-8N	214 --	< 0.002	2.56	0.15	1.00	53.5	< 0.01				

CERTIFICATION: \_\_\_\_\_