

BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
MINISTRY OF ENERGY AND MINES
GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR: 2000/2001

REPORT #: PAP 00-22

NAME: LEONARD PIGGIN

Table of Contents

Covering Letter

Anomalous Assays

Anomalous assays all chemicals

Map showing location of Anomalous Assays

Map showing location of all sample locations

Current Mineral Titles Map 082M04E

1. Prospecting Report Form Summary

Worksheet showing prospecting days & work completed form

2. Expenditures

A. Prospecting Daily Report with mileage

B. See tab 3 for invoices over \$100.00

C. See tab 4 for a copy of all Assays and Assay invoices.

3. Invoices over \$100.00

4. Assays and Assay invoices

5. Area A Lucky Bear Technical Report

A. Claims recording form and location map & tenures as of 2000 November 12.

B. Training and Experience

C. Project Area Map

D. Anomalous results for Area A

D. Lucky Bear Tenures as of November 12 2000

E. *Technical Report*

F. Excerpt from Several New Plutonic-related Gold, Bismuth & Tungsten Occurrences by M. S. Cathro & D. V. Lefebure.

G. Project Area Map showing best results

6. Area B Head 1 & Spap Technical Report

A. Claims recording form and location map & tenures as of 2000 November 12.

B. Training and Experience

C. Project Area Map

D. Anomalous results for Area B

E. *Technical Report*

F. Cam/Gloria Minfile 082M266 and NSP 082M127.

G. Project Area Map showing best results

7. Pictures

PROSPECTORS ASSISTANCE PROGRAM: 2000/2001 P73 - LEONARD P. PIGGIN # 121423

AREA	ICP	Au	Ag	As	Ba	Bi	Ca	Co	Cu	Fe	Ga	Mn	Mo	Ni	Pb	Sb	Zn
		ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A1	LD00M04	<5	0.2	12	90	<2	0.75	10	29	2.84	<10	1320	2	82	14	<2	100
A1	LD00M06	<10	0.2	6	140	<2	1.08	9	35	3.17	<10	1360	3	31	16	<2	96
A1	LD00M12	<10	0.6	28	170	<2	1.22	10	80	3.11	<10	1080	3	53	14	<2	144
A2	LD00M13	<5	0.4	16	90	<2	0.48	6	35	1.68	<10	815	1	25	10	<2	50
A3	LD00M137	<5	0.4	4	120	<2	2.12	5	38	0.96	<10	635	2	13	10	<2	42
A3	LD00M50	<5	0.2	8	70	<2	0.41	10	13	2.81	<10	1020	1	16	10	<2	64
A3	LD00R49	5	<0.2	<5	35	5	0.04	13	41	2.04	na	197	<1	10	2	<5	<1
A3	LD00T125	5	1.0	82	180	8	0.19	13	48	4.67	<10	305	<1	11	86	<2	172
A4	LD00M66	<10	<0.2	6	150	<2	0.41	38	12	2.37	20	>10000	2	5	28	2	52
A4	LD00M67	<5	<0.2	2	90	4	0.26	22	5	1.62	10	7240	16	2	16	<2	50
A4	LD00M69	<5	<0.2	<2	130	2	0.42	30	7	1.72	10	>10000	3	6	18	2	90
A4	LD00M70	<5	<0.2	<2	90	6	0.34	14	7	1.39	10	7350	2	3	22	<2	44
A4	LD00M71	<5	0.2	<2	50	<2	0.19	5	5	0.76	<10	730	1	3	6	<2	34
A5	LD00M23	<5	0.4	68	440	<2	1.53	40	40	4.89	10	>10000	4	44	14	2	124
B1	LD00M29	<5	<0.2	<2	150	2	0.55	11	25	2.32	<10	610	2	27	16	<2	58
B1	LD00M30	40	<0.2	2	170	<2	0.76	9	30	1.99	<10	540	5	28	16	<2	56
B1	LD00R35	<5	<0.2	<5	30	15	3.25	24	32	4.84	na	879	5	41	16	5	75
B1	LD00R32	<5	<.2	<5	615	20	3.2	33	36	5.18	na	588	<1	77	26	20	56
B1	LD00M37	<5	<0.2	4	120	<2	0.63	11	32	1.83	<10	510	2	27	12	2	48
B1	LD00M44	<5	<0.2	2	170	<2	0.93	8	27	1.68	<10	620	1	33	12	<2	56
B1	LD00M45	<5	<0.2	2	260	<2	1.98	6	305	1.32	<10	390	3	21	10	<2	28
B1	LD00T47	5	<0.2	<5	75	<5	0.20	7	83	1.44	na	126	<1	6	4	<5	<1
B1	LD00T46	10	<0.2	<5	90	<5	0.21	8	66	1.66	na	145	<1	7	6	5	<1
B2	LD00M25	<5	1.8	10	1680	8	1.2	17	9	11.05	40	>10000	1	17	22	4	98
B3	LD00M119	<5	<0.2	2	210	<2	0.95	10	50	1.37	<10	2740	1	7	8	8	54
B3	LD00M51	5	<0.2	<2	180	<2	0.53	8	25	1.49	<10	2620	1	10	6	<2	74
B3	LD00R81	5	0.8	<5	45	<5	0.14	54	499	>10	na	188	9	8	28	<5	152
B3	LD00R83	15	2.0	<5	70	3625	0.02	58	1205	>10	na	109	20	8	34	<5	12
B3	LD00R84	5	<0.2	<5	550	45	1.45	22	49	4.28	na	743	<1	43	10	5	62

PROSPECTORS ASSISTANCE PROGRAM: 2000/2001 P73 - LEONARD P. PIGGIN # 121423

LENDAV PROSPECTING: 2000 ASSAY RESULTS TO OCTOBER 22, 2000

MOSS MATS ONLY, assayed by ICP method, Au by fire assay

	Au INA Moss Mat is >44 ppb then >90%	Ag AAS Moss Mat is >0.3 ppm then >90%	Al	As INA Moss Mat is >8.8 ppm then >90%	B	Ba INA Moss Mat is >840 ppm then >90%	Be	Bi INA Moss Mat is >1.4 ppm then >90%	Ca INA Moss Mat is >4.0 ppm then >90%	Cd AAS Moss Mat is >2.0 ppm then >90%	Co INA Moss Mat is >23 ppm then >90%	Cr INA Moss Mat is >104 ppm then >90%	Cu INA Moss Mat is >27 ppm then >90%	Fe INA Moss Mat is >6.59 % then >90%	Ga	Hg	K	La INA Moss Mat is >244 ppm then >90%	Mg	Mn AAS Moss Mat is >972 ppm then >90%	Mo AAS Moss Mat is >3 ppm then >90%	Na	Ni AAS Moss Mat is >23 ppm then >90%	P	Pb INA Moss Mat is >13 ppm then >90%	S	Sb INA Moss Mat is >.4 ppm then >90%	Sc	Sn	Sr	Ti	Ti INA Moss Mat is >11.3 ppm then >90%	U INA Moss Mat is >44.4 ppm then >90%	V INA Moss Mat is >43 ppm then >90%	W INA Moss Mat is >14 ppm then >90%	Y	Zn INA Moss Mat is >144 ppm then >90%
	Au ppb	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be 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	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm
LD00M04	<5	0.2	1.57	12	<10	90	0.5	<2	0.75	<0.5	10	18	29	2.84	<10	<1	0.4	50	0.47	1320	2	0.01	82	690	14	0.07	<2	3	na	60	0.06	<10	<10	25	<10	na	100
LD00M06	<10	0.2	2.21	6	<10	140	0.5	<2	1.08	<0.5	9	25	35	3.17	<10	<1	0.52	70	0.57	1360	3	0.01	31	660	16	0.09	<2	4	na	131	0.09	<10	10	34	<10	na	96
LD00M12	<10	0.6	2.39	28	<10	170	0.5	<2	1.22	0.5	10	38	80	3.11	<10	<1	0.53	130	0.67	1080	3	0.02	53	720	14	0.07	<2	4	na	114	0.07	<10	10	34	<10	na	144
LD00M13	<5	0.4	1.2	16	<10	90	0.5	<2	0.48	<0.5	6	16	35	1.68	<10	<1	0.22	160	0.31	815	1	0.01	25	510	10	0.03	<2	4	na	49	0.05	<10	20	24	<10	na	50
LD00M23	<5	0.4	1.83	68	<10	440	0.5	<2	1.53	<0.5	40	17	40	4.89	10	<1	0.54	120	0.44	>10000	4	0.01	44	2050	14	0.15	2	3	na	173	0.05	<10	30	38	<10	na	124
LD00M25	<5	1.8	0.8	10	20	1680	0.5	8	1.2	<0.5	17	4	9	11.05	40	<1	0.1	40	0.14	>10000	1	<0.01	17	1270	22	0.12	4	1	na	307	0.01	<10	10	15	<10	na	98
LD00M29	<5	<0.2	1.37	<2	<10	150	0.5	2	0.55	<0.5	11	25	25	2.32	<10	<1	0.15	30	0.53	610	2	0.02	27	830	16	0.08	<2	2	na	63	0.05	<10	<10	35	<10	na	58
LD00M30	40	<0.2	1.58	2	<10	170	0.5	<2	0.76	<0.5	9	21	30	1.99	<10	<1	0.16	40	0.42	540	5	0.02	28	610	16	0.05	<2	2	na	80	0.06	<10	<10	32	<10	na	56
LD00M37	<5	<0.2	1.39	4	<10	120	0.5	<2	0.63	<0.5	11	25	32	1.83	<10	1	0.16	40	0.47	510	2	0.01	27	860	12	0.05	2	2	na	83	0.05	<10	<10	27	<10	na	48
LD00M44	<5	<0.2	1.55	2	<10	170	0.5	<2	0.93	<0.5	8	18	27	1.68	<10	<1	0.2	60	0.42	620	1	<0.01	33	640	12	0.06	<2	1	na	117	0.05	<10	<10	24	<10	na	56
LD00M45	<5	<0.2	1.09	2	<10	260	0.5	<2	1.98	<0.5	6	17	305	1.32	<10	<1	0.21	40	0.36	390	3	0.01	21	1070	10	0.16	<2	2	na	201	0.03	<10	<10	22	<10	na	28
LD00M50	<5	0.2	1.1	8	<10	70	0.5	<2	0.41	<0.5	10	26	13	2.81	<10	<1	0.22	30	0.44	1020	1	<0.01	16	1390	10	0.16	<2	2	na	23	0.06	<10	10	36	<10	na	64
LD00M51	5	<0.2	1.54	<2	<10	180	0.5	<2	0.53	<0.5	8	9	25	1.49	<10	<1	0.13	10	0.36	2620	1	0.01	10	640	6	0.08	<2	1	na	47	0.04	<10	<10	24	<10	na	74
LD00M66	<10	<0.2	1.54	6	<10	150	2	<2	0.41	<0.5	38	7	12	2.37	20	<1	0.24	30	0.05	>10000	2	<0.01	5	1190	28	0.14	2	<1	na	54	0.01	10	10	15	<10	na	52
LD00M67	<5	<0.2	1.04	2	<10	90	1	4	0.26	<0.5	22	3	5	1.62	10	<1	0.16	10	0.07	7240	16	0.02	2	530	16	0.06	<2	<1	na	26	0.02	<10	30	17	<10	na	50
LD00M69	<5	<0.2	1.84	<2	<10	130	2	2	0.42	<0.5	30	7	7	1.72	10	<1	0.16	30	0.05	>10000	3	0.01	6	860	18	0.12	2	<1	na	47	0.01	10	10	17	<10	na	90
LD00M70	<5	<0.2	1.22	<2	<10	90	1.5	6	0.34	<0.5	14	4	7	1.39	10	<1	0.09	10	0.06	7350	2	<0.01	3	850	22	0.11	<2	<1	na	39	0.01	<10	30	16	<10	na	44
LD00M71	<5	0.2	1.86	<2	<10	50	2.5	<2	0.19	<0.5	5	5	5	0.76	<10	<1	0.15	10	0.12	730	1	<0.01	3	460	6	0.04	<2	<1	na	19	0.03	<10	60	8	<10	na	34
LD00M119	<5	<0.2	1.56	2	<10	210	0.5	<2	0.95	0.5	10	9	50	1.37	<10	<1	0.14	30	0.33	2740	1	0.01	7	730	8	0.11	8	1	na	69	0.04	<10	<10	21	<10	na	54
LD00M137	<5	0.4	1.19	4	<10	120	1	<2	2.12	0.5	5	12	38	0.96	<10	<1	0.23	110	0.24	635	2	<0.01	13	1380	10	0.16	<2	1	na	292	0.02	<10	10	17	<10	na	42

TILL SAMPLES ONLY, assayed by ICP method, Au by fire assay

	Au TILL is >8 ppb then >90%	Ag TILL is >0.3 ppm then >90%	Al TILL is >3.63 % then >90%	As TILL is >22 ppm then >90%	B TILL is >3 ppm then >90%	Ba TILL is >215 ppm then >90%	Bi TILL is >1 ppm then >90%	Ca TILL is >4.65 % then >90%	Cd TILL is >0.8 ppm then >90%	Cd TILL is >39 ppm then >90%	Cd TILL is >173 ppm then >90%	Cu TILL is >135 ppm then >90%	Fe TILL is >6.43% then >90%	K TILL is >0.49% then >90%	La TILL is >59 ppm then >90%	Mg TILL is >2.7% then >90%	Mn TILL is >1373 ppm then >90%	Mo TILL is >2 ppm then >90%	Na TILL is >0.03% then >90%	Ni TILL is >130 ppm then >90%	P TILL is >0.144% then >90%	Pb TILL is >50 ppm then >90%	Sb (INA) TILL is >91 ppm then >90%	Sc (LMIC) TILL is >91 ppm then >90%	Sr TILL is >91 ppm then >90%	Ti TILL is >0.19% then >90%	V TILL is >102 ppm then >90%	W TILL is >2 ppm then >90%	Y (LMIC) TILL is >29 ppm then >90%	Zn TILL is >179 ppm then >90%							
LD00T46	10	<0.2	0.93	<5	na	90	<5	0.21	<1	8	12	66	1.66	na	na	na	<10	0.47	145	<1	<0.01	7	360	6	na	5	na	<20	18	0.07	na	<10	27	<10	6	<1	
LD00T47	5	<0.2	0.84	<5	na	75	<5	0.20	<1	7	10	83	1.44	na	na	na	<10	0.39	126	<1	<0.01	6	350	4	na	<5	na	<20	15	0.06	na	<10	25	<10	4	<1	
LD00T125	5	1.0	2.04	82	<10	180	0.5	8	0.19	<0.5	13	14	48	4.67	<10	<1	0.35	30	0.33	305	<1	0.02	11	660	86	0.33	<2	3	na	93	0.11	<10	<10	33	<10	na	172

ROCK SAMPLES ONLY, assayed by ICP method, Au by fire assay

[LD00R127, and LD00R128 assayed for Pt, Pd, Rh with <5 ppb result.]

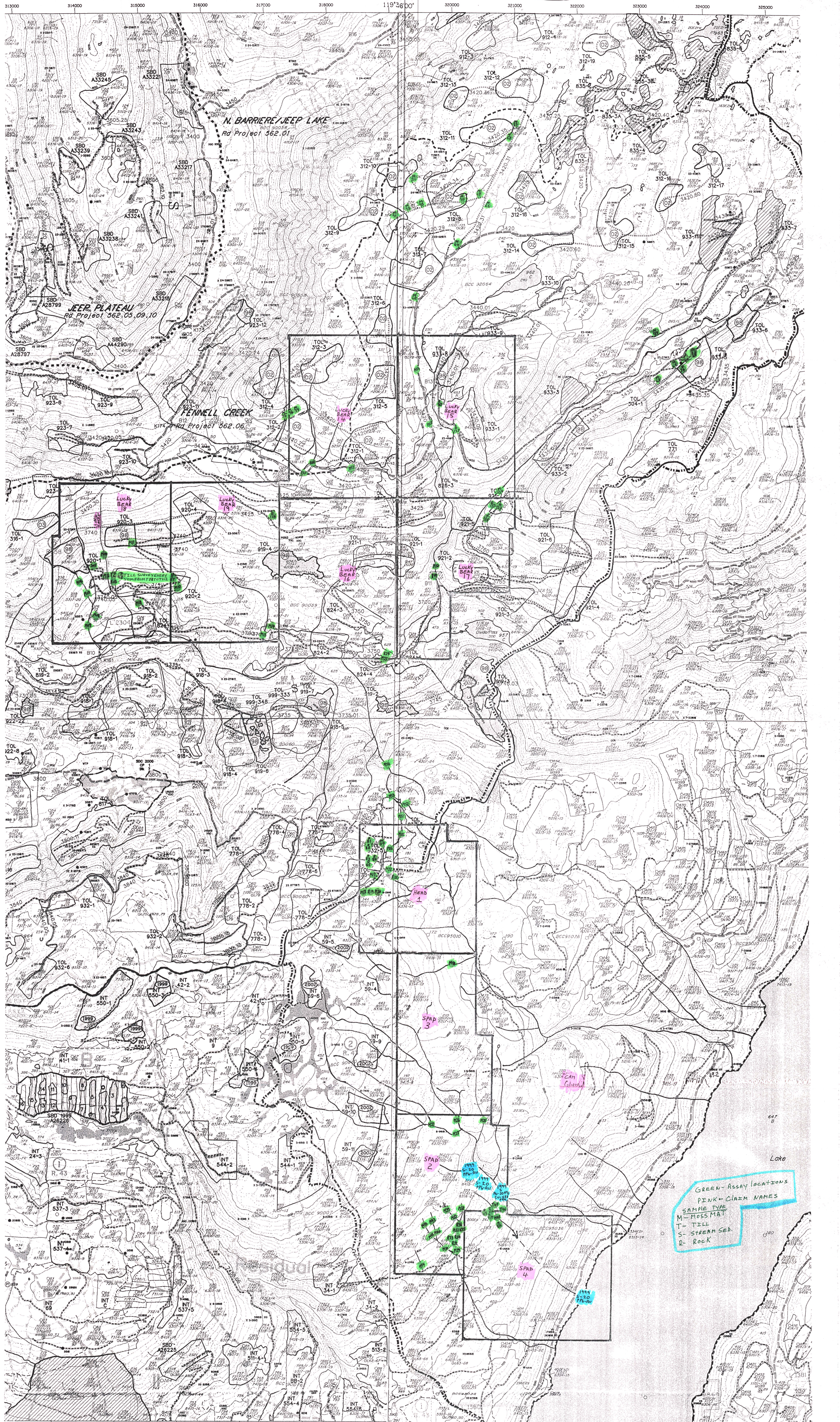
LD00R32	<5	<0.2	2.66	<5	na	615	na	20	3.2	<1	33	73	36	5.18	na	na	na	50	2.89	588	<1	0.21	77	3560	26	na	20	na	<20	341	0.31	na	<10	134	<10	21	56
LD00R35	<5	<0.2	0.63	<5	na	30	na	15	3.25	<1	24	53	32	4.84	na	na	na	30	1.58	879	5	0.02	41	3110	16	na	5	na	<20	119	<.01	na	<10	42	<10	23	75
LD00R49	5	<0.2	0.57	<5	na	35	na	5	0.04	<1	13	175	41	2.04	na	na	na	<10	0.21	197	<1	<0.01	10	110	2	na	<5	na	<20	4	0.05	na	<10	9	<10	<1	<1
LD00R81	5	0.8	0.99	<5	na	45	na	<5	0.14	2	54	82	499	>10	na	na	na	<10	0.38	188	9	0.05	8	100	28	na	<5	na	<20	14	0.06	na	<10	18	<10	<1	152
LD00R83	15	2.0	0.06	<5	na	70	na	3625	0.02	2	58	84	1205	>10	na	na	na	<10	<0.01	109	20	<0.01	8	<10	34	na	<5	na	<20	<1	<0.01	na	50	1	<10	<1	12
LD00R84	5	<0.2	1.78	<5	na	550	na	45	1.45	<1	22	146	49	4.28	na	na	na	10	2.28	743	<1	0.11	43	2100	10	na	5	na	<20	106	0.20	na	<10	119	<10	10	62
LD00R127	220	0.4	0.69	35	na	75	na	25	1.10	<1	15	97	87	4.12	na	na	na	20	0.39	403	5	0.03	21	380	168	na	<5	na	<20	99	0.02	na	<10	30	<10	1	32
LD00R128	35	<.2	1.20	10	na	155	na	<5	0.98	<1	9	76	21	2.86	na	na	na	30	0.66	508	3	0.04	10	600	46	na	<5	na	<20	82	0.09	na	<10	45	<10	12	73

LEONARD P. PIGGIN : PROSPECTING GRANT 2000/2001 P73
ASSAY RESULTS SUMMARIZED BY SAMPLE NUMBER

Len's GPS starts August 10, 2000

MOSS MATS ONLY

Field Sample #	Assay Lab Sample	Assay Lab	Sample Type	Project Name	Certified	Assay Method	(30 gm) ppb	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sn	Sr	Ti	Tl	U	V	W	Y	Zn	Zone	Easterly	Northerly	Waypoint Number	No. of Sat.
LDD0001	293651	Chemex	Moss Mat	LUCKY BEAR	A0021897	ICP	<5	0.2	1.14	8	<10	70	<0.5	<2	0.57	<0.5	8	19	19	2.16	<10	<1	0.29	30	0.35	1040	1	0.01	47	610	10	0.06	<2	2	na	44	0.05	<10	<10	20	<10	na	60	11	314240	5688997			
LDD0004	293654	Chemex	Moss Mat	LUCKY BEAR	A0021897	ICP	<5	0.2	1.57	12	<10	90	<0.5	<2	0.75	<0.5	10	18	29	2.84	<10	<1	0.4	50	0.47	1320	2	0.01	82	690	14	0.07	<2	3	na	60	0.06	<10	<10	25	<10	na	100	11	314240	5688997			
LDD0006	293656	Chemex	Moss Mat	LUCKY BEAR	A0021897	ICP	<5	0.2	2.21	6	<10	140	0.5	<2	1.08	<0.5	9	25	35	3.17	<10	<1	0.52	70	0.57	1360	3	0.01	31	660	16	0.09	<2	4	na	131	0.09	<10	<10	34	<10	na	96	11	313907	5688731			
LDD0007	293657	Chemex	Moss Mat	LUCKY BEAR	A0021897	ICP	<5	<0.2	0.98	2	<10	50	<0.5	<2	0.55	<0.5	4	14	11	1.83	<10	<1	0.23	40	0.29	420	1	0.01	9	590	6	0.04	<2	2	na	58	0.05	<10	<10	22	<10	na	42	11	314017	5688472			
LDD0008	293658	Chemex	Moss Mat	LUCKY BEAR	A0021897	ICP	<5	<0.2	1.11	6	<10	80	<0.5	<2	0.55	<0.5	6	14	16	1.84	<10	<1	0.28	30	0.35	960	1	0.01	16	540	8	0.04	<2	2	na	52	0.06	<10	<10	21	<10	na	152	11	314017	5688472			
LDD0009	293659	Chemex	Moss Mat	LUCKY BEAR	A0021897	ICP	<5	<0.2	0.85	4	<10	50	<0.5	<2	0.4	<0.5	4	12	10	1.57	<10	<1	0.2	30	0.28	520	1	0.01	10	550	6	0.03	2	1	na	39	0.05	<10	<10	21	<10	na	66	11	314652	5689353			
LDD0010	293660	Chemex	Moss Mat	LUCKY BEAR	A0021897	ICP	<5	0.2	1.23	16	<10	80	<0.5	<2	0.43	<0.5	6	14	18	1.78	<10	<1	0.18	90	0.27	590	1	0.01	23	370	14	0.04	<2	3	na	42	0.05	<10	<10	19	<10	na	64	11	314652	5689353			
LDD0011	293661	Chemex	Moss Mat	LUCKY BEAR	A0021897	ICP	<5	<0.2	0.98	10	<10	100	<0.5	<2	3.24	<0.5	5	20	80	2.46	<10	<1	0.38	20	0.37	1100	2	0.02	15	930	4	0.17	<2	4	na	129	0.04	<10	<10	17	<10	na	58	11	314652	5689353			
LDD0012	293662	Chemex	Moss Mat	LUCKY BEAR	A0021897	ICP	<5	<0.6	2.38	28	<10	170	0.5	<2	1.22	<0.5	10	38	80	3.11	<10	<1	0.53	130	0.67	1080	3	0.02	53	720	14	0.07	<2	4	na	114	0.07	<10	<10	34	<10	na	144	11	314782	5688443			
LDD0013	293663	Chemex	Moss Mat	LUCKY BEAR	A0021897	ICP	<5	0.4	1.2	18	<10	90	0.5	<2	0.48	<0.5	6	16	35	1.68	<10	<1	0.22	160	0.31	815	1	0.01	25	510	10	0.03	<2	4	na	49	0.05	<10	<10	24	<10	na	50	11	317332	5687628			
LDD0014	293664	Chemex	Moss Mat	LUCKY BEAR	A0021897	ICP	<5	<0.2	0.86	2	<10	80	<0.5	<2	0.35	<0.5	4	12	6	1.52	<10	<1	0.13	70	0.21	715	2	0.01	5	950	6	0.07	<2	1	na	22	0.05	<10	<10	24	<10	na	42	11	317468	5687596			
LDD0015	293665	Chemex	Moss Mat	LUCKY BEAR	A0022509	ICP	<5	<0.2	1.72	<2	<10	180	0.5	<2	0.56	<0.5	9	10	47	1.53	<10	<1	0.34	120	0.44	>10000	1	0.01	44	2050	14	0.15	2	3	na	46	0.04	<10	<10	25	<10	na	78	11	318740	5684825	#002	6	
LDD0016	293666	Chemex	Moss Mat	LUCKY BEAR	A0022509	ICP	<5	<0.2	2.03	2	<10	180	0.5	<2	0.53	<0.5	9	13	31	1.87	<10	<1	0.15	10	0.44	1210	1	<0.01	16	820	8	0.06	<2	1	na	43	0.05	<10	<10	30	<10	na	121	11	318552	5682420	#003	7	
LDD0017	293667	Chemex	Moss Mat	LUCKY BEAR	A0022509	ICP	<5	<0.2	2.23	<2	<10	240	0.5	<2	0.69	<0.5	9	14	23	1.94	<10	<1	0.15	20	0.42	1165	2	<0.01	20	700	10	0.07	<2	1	na	52	0.05	<10	<10	31	<10	na	82	11	318279	5684004	#004	7	
LDD0018	293668	Chemex	Moss Mat	LUCKY BEAR	A0022509	ICP	<5	<0.2	1.87	2	<10	280	0.5	<2	0.76	<0.5	11	12	20	2.07	<10	<1	0.13	20	0.43	3570	3	<0.01	17	740	12	0.09	<2	1	na	58	0.05	<10	<10	33	<10	na	88	11	318048	5683878	#005	4	
LDD0020	293670	Chemex	Moss Mat	LUCKY BEAR	A0022509	ICP	<5	<0.2	2.19	2	<10	230	0.5	<2	0.72	<0.5	9	16	29	1.88	<10	<1	0.18	30	0.46	690	1	<0.01	19	630	6	0.07	<2	2	na	51	0.06	<10	<10	32	<10	na	64	11	318210	5683862	#006	4	
LDD0022	293672	Chemex	Moss Mat	LUCKY BEAR	A0022509	ICP	<5	<0.2	1.3	<2	<10	190	<0.5	<2	0.57	<0.5	7	9	15	1.65	<10	<1	0.22	10	0.26	2490	3	<0.01	6	870	10	0.11	<2	<1	na	69	0.03	<10	<10	21	<10	na	50	11	318576	5684178	#008	8	
LDD0023	293673	Chemex	Moss Mat	LUCKY BEAR	A0022509	ICP	<5	0.4	1.83	<2	<10	170	0.5	<2	0.78	<0.5	9	21	26	2.32	<10	<1	0.15	30	0.53	610	2	0.02	27	830	16	0.08	<2	2	na	63	0.05	<10	<10	35	<10	na	58	11	318495	5678028	#019	4	
LDD0025	293675	Chemex	Moss Mat	LUCKY BEAR	A0022508	ICP	<5	1.8	0.8	10	20	1680	0.5	8	1.2	<0.5	17	4	9	11.05	46	<1	<1	0.1	40	0.14	>10000	1	<0.01	17	1270	22	0.12	4	1	na	307	0.01	<10	<10	15	<10	na	94	11	319969	5680041	#012	7
LDD0026	293676	Chemex	Moss Mat	LUCKY BEAR	A0022508	ICP	<5	<0.2	1.18	<2	<10	110	0.5	<2	0.6	<0.5	7	12	12	1.76	<10	<1	0.13	20	0.36	775	1	<0.01	11	610	6	0.05	<2	1	na	71	0.04	<10	<10	26	<10	na	52	11	319643	5680137	#013	5	
LDD0027	293677	Chemex	Moss Mat	LUCKY BEAR	A0022508	ICP	<5	<0.2	1.28	<2	<10	130	1.5	<2	0.53	<0.5	6	8	13	1.57	<10	<1	0.09	40	0.2	790	1	<0.01	7	710	6	0.08	<2	1	na	95	0.03	<10	<10	25	<10	na	58	11	319142	5680118	#015	4	
LDD0028	293678	Chemex	Moss Mat	LUCKY BEAR	A0022508	ICP	<5	<0.2	1.57	2	<10	180	1.5	<2	0.64	<0.5	5	6	10	1.36	<10	<1	0.14	60	0.19	1255	1	<0.01	7	890	12	0.1	<2	1	na	119	0.02	<10	<10	20	<10	na	60	11	319336	5679774	#016	6	
LDD0029	293680	Chemex	Moss Mat	LUCKY BEAR	A0023002	ICP	<5	<0.2	1.37	<2	<10	150	0.5	2	0.55	<0.5	11	25	26	2.32	<10	<1	0.15	30	0.53	610	2	0.02	27	830	16	0.08	<2	2	na	63	0.05	<10	<10	35	<10	na	58	11	319375	5678184	#022	6	
LDD0030	293681	Chemex	Moss Mat	LUCKY BEAR	A0023002	ICP	<5	<0.2	1.56	<2	<10	170	0.5	<2	0.78	<0.5	9	21	26	2.32	<10	<1	0.18	40	0.42	540	5	0.02	28	810	16	0.05	<2	2	na	69	0.04	<10	<10	30	<10	na	56	11	318495	5678028	#019	4	
LDD0031	293682	Chemex	Moss Mat	LUCKY BEAR	A0023002	ICP	<5	<0.2	1.05	2	<10	120	0.5	<2	0.44	<0.5	9	20	20	1.98	<10	<1	0.12	20	0.4	490	2	0.01	19	820	8	0.06	<2	1	na	51	0.05	<10	<10	30	<10	na	52	11	319591	5678299	#018	4	
LDD0037	293683	Chemex	Moss Mat	LUCKY BEAR	A0023002	ICP	<5	<0.2	1.39	4	<10	120	0.5	<2	0.83	<0.5	11	25	32	1.83	<10	<1	0.16	40	0.47	510	2	0.01	27	860	12	0.05	2	2	na	83	0.05	<10	<10	27	<10	na	48						



N. BARRIER/JEEP LAKE
Rd Project 362.01

JEER PLATEAU
Rd Project 362.05, 09, 10

FENNEL CREEK
Rd Project 362.06

Lucky Bear 15

Lucky Bear 16

Lucky Bear 17

Head 1

SPAD 3

SPAD 2

Glass

SPAD 4

GREEN - ASSAY LOCATIONS
PINK - CLAIM NAMES
SAMPLE TYPE
M - HOSS MAT
T - TILL
S - STREAM SED.
R - ROCK

Lake

LAND DISTRICTS:

FEB 28 2000
GOVERNMENT AGENT
KAMLOOPS

ALIENATIONS

- NO STAKING AREAS
- NO STAKING RESERVES
- PARKS
- ECOLOGICAL RESERVES
- RECREATION AREAS
- INDIAN RESERVES

CONDITIONAL AREAS

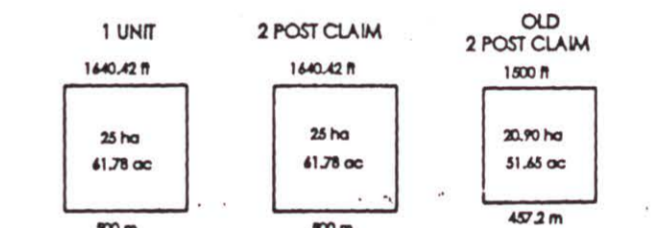
- SUBJECT TO CONDITIONS RESERVES
- SECTION 19 RECREATION AREAS

1 POST CLAIM AREAS

- AREAS SUBJECT TO URANIUM / THORIUM REGULATIONS

MINERAL TENURE

- MINERAL CLAIM
- MINERAL LEASE
- INDUSTRIAL MINERAL CLAIM
- CLAIM NAME
- TITLE NUMBER
- OLD TITLE NUMBER
- TAG NUMBER
- LEGAL POST
- WITNESS POST
- FORFEITED TENURE
- VERIFIED
- SURVEYED
- REVERTED C.G. MINERAL CLAIM
- CROWN GRANTED
- OPEN FOR STAKING



THIS MAP IS PREPARED ONLY AS A GUIDE TO THE LOCATION OF MINERAL TENURE AS SHOWN ON THE LOCATOR'S SKETCHES. FOR CURRENT OR MORE SPECIFIC INFORMATION, APPLICATION SHOULD BE MADE TO THE MINING DIVISION CONCERNED.

082M12W	082M13E	082M11W
082M30W	082M32E	082M30W
082M40W	082M42E	082M30W

INDEX TO ADJOINING MAPS

M 082M04E



MINISTRY OF ENERGY AND MINES

ENERGY AND MINERALS DIVISION

MINERAL TITLES BRANCH

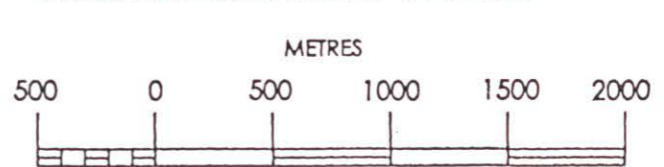
MINERAL TITLES REFERENCE

MAP 082M04E

U.T.M. ZONE 11

LAST MAP UPDATE: 2000 FEB 21

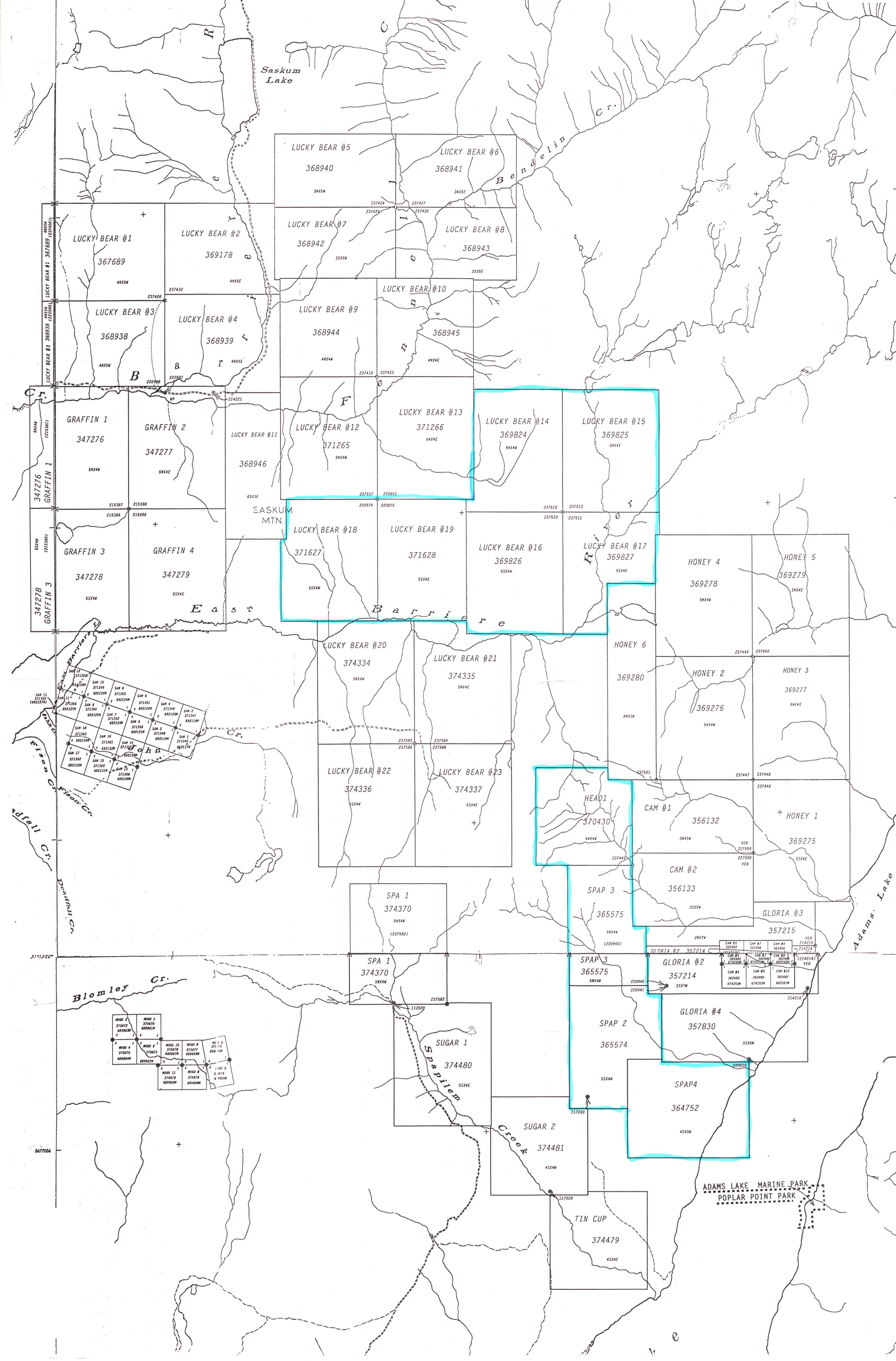
ORIGINAL PRODUCED AT 1 : 31 680



ADMINISTRATIVE AREAS

Inclusions filed into Sugar 1 Sugar 2 Tin Cup

00-22 Pg 7.





R&E Gold
KEG
FIELD
TRIP

①



Gold
PANNING
CAMILLE B.
DAVE P.
LEN'S
CHILDREN
MATTHEW
LAURIE

②



KEG
SIWASH
FIELD
TRIP

③

HEAD 1
CLAIMS
CUT BLOCK
UPPER LEFT
CORNER OF
Photo
ZONE B-3

④



⑤



⑥





HEAD 1
ZONE B3
LDOOR116
LDOOR117
LDOOR118

⑦



⑧



LUCKY BEAR
#15
LDOOR138

⑨

ZONE B-3
LDOOR 81
AU 5PPb
Ag .8PPM
Co 54PPM
Cu 499PPM
Mo 9PPM



10

LDOOR 82



11

CAMPING
AT EAST
BARRIER
LAKE
FORESTRY
CAMP SITE



15



LD00R81
TO THE RIGHT
FRONT
LD00R82
PINK
RIBBON IN
MIDDLE

(12)



LD00R82

(13)



LD00R84
AU 5ppb
Ba 550ppm
Bi 5ppm
Fe 4.28%

(14)

LD00R126

(16)



(17)



(18)





QUARTZ
BRECCIA
WATERTANK
ROAD 11.5KM
TURN RIGHT
PICTURE TAKEN
AT 13KM
Moved to #9
ZONE A
LUCKY
BEAR #17

(9)



LDOOR121
ZONE A

(20)



DAVE
AND THE
DEVILS
CLUB

(21)

LITTLE
CREEK
AFTER
THE
BLAST

34



35





LD00M62
MOSS MAT
SAMPLE TAKEN
INSTREAM TO
THE RIGHT OF
CULVERT POST

(22)



SAMPLE BAG
LD00T60

(23)



TYPICAL
SOIL IN
AREA

(24)

ZONE A-1
LUCKY
BEAR #18



25

ZONE B-1
SPAP 2+4
CLAIMS



26

ZONE B-1
SPAP 2



27



ZONE B-1
SPAPZ
LD00M39

28



29



30

LITTLE
CREEK
BEFORE
BLAST



31

LITTLE
CREEK
BEFORE
BLAST



32

LITTLE
CREEK
AFTER
BLAST



33

6-Dec-00

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2000-400

LENDAV PROSPECTING
1986 SAPHIRE COURT
KAMLOOPS, BC
V2E 2P1

Phone: 604-573-5700
Fax : 604-573-4557

ATTENTION: LENDAVE PIGGIN

No. of samples received: 2
Sample type: Rock
Project #: Lucky Bear
Shipment #: None Given
Samples submitted by: D. Piggin

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	103335 LD00R127	0.4	0.69	35	75	25	1.10	<1	15	97	89	4.12	20	0.39	403	5	0.03	21	380	168	<5	<20	99	0.02	<10	30	<10	1	32
2	103336 LD00R128	<0.2	1.20	10	155	<5	0.98	<1	9	76	21	2.86	30	0.66	508	3	0.04	10	600	46	<5	<20	82	0.09	<10	45	<10	12	73

QC DATA:

Resplit:

1	103335 LD00R127	0.4	0.71	35	80	40	1.15	<1	18	107	87	4.90	30	0.40	418	5	0.03	27	430	186	<5	<20	97	0.02	<10	30	<10	<1	10
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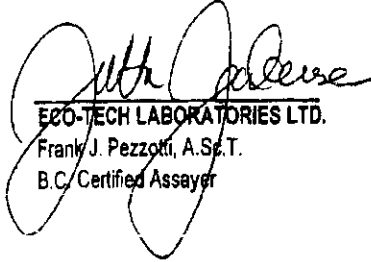
Repeat:

1	103335 LD00R127	0.2	0.69	35	75	30	1.12	<1	16	100	89	4.47	30	0.39	411	5	0.03	23	410	174	<5	<20	94	0.02	<10	29	<10	<1	33
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Standard:

GEO'00		1.2	1.76	50	170	<5	1.53	<1	19	56	90	3.75	10	0.92	668	<1	0.02	26	740	24	5	<20	63	0.11	<10	65	<10	13	73
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df/400
XLS/00
FAX: @ 851-9419


ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.S.T.
B.C. Certified Assayer



**ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING**

10041 Dallas Drive, Kamloops, B.C. V2C 6T4
Phone (250) 573-5700 Fax (250) 573-4557
email: ecotech@direct.ca

CERTIFICATE OF ANALYSIS AK 2000-400

LENDAV PROSPECTING
1986 SAPPHIRE COURT
KAMLOOPS, BC
V2E 2P1

6-Dec-00

ATTENTION: LEN/DAVE PIGGIN

No. of samples received: 2

Sample type: Rock

Project #: Lucky Bear

Shipment #: None Given

Samples submitted by: D. Piggin

ET #.	Tag #	Au (ppb)	Pd (ppb)	Pt (ppb)	Rh (ppb)
1	103335 LD00R127	220	<5	<5	<5
2	103336 LD00R128	35	<5	<5	<5

QC DATA:

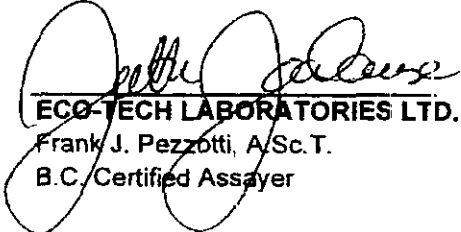
Repeat:

1	103335 LD00R127	230	<5	<5	<5
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Standard:

GEO'00		135	<5	<5	<5
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XLS/00


ECO-TECH LABORATORIES LTD.
 Frank J. Pezzotti, A.Sc.T.
 B.C. Certified Assayer

18-Jul-00

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2000-141

LENDAV PROSPECTING
1986 SAPPHIRE COURT
KAMLOOPS, BC
V2E 2P1

Phone: 604-573-5700
Fax : 604-573-4557

ATTENTION: LEN/DAVE PIGGIN

No. of samples received: 5
Sample type: Rock
Project #: SPAP
Shipment #: None Given
Samples submitted by: D. Piggin

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	103323	<5	<0.2	0.22	<5	40	<5	0.57	<1	7	80	2	0.89	10	0.23	122	1	0.03	4	100	4	<5	<20	18	<0.01	<10	1	<10	3	4
2	103324	<5	<0.2	0.21	<5	35	<5	0.98	<1	8	65	2	1.24	10	0.43	242	2	0.03	1	100	4	10	<20	17	<0.01	<10	1	<10	5	6
3	103325	<5	<0.2	2.66	<5	615	20	3.20	<1	33	73	36	5.18	50	2.89	588	<1	0.21	77	3560	26	20	<20	341	0.31	<10	134	<10	21	56
4	103326	<5	<0.2	0.14	<5	35	<5	0.03	<1	2	133	4	0.96	<10	0.03	41	4	<0.01	3	110	12	<5	<20	2	<0.01	<10	2	<10	<1	7
5	103327	<5	<0.2	0.63	<5	30	15	3.25	<1	24	53	32	4.84	30	1.58	879	5	0.02	41	3110	16	5	<20	119	<0.01	<10	42	<10	23	75

QC DATA:

Resplit:

1	103323	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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Repeat:

1	103323	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	103325	-	<0.2	2.68	<5	580	25	3.22	<1	33	69	36	5.18	50	2.90	588	<1	0.21	77	3560	26	25	<20	342	0.30	<10	134	<10	21	57	

Standard:

GEO'00	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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df/143
XLS/00
FAX: @ 851-9419


ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

Aug-00

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2000-196

LENDAV PROSPECTING
1986 SAPPHIRE COURT
KAMLOOPS, BC
V2E 2P1

Phone: 604-573-5700
Fax : 604-573-4557

ATTENTION: LEN/DAVE PIGGIN

No. of samples received: 2
Sample type: Till
Project #: SPAP
Shipment #: Not Given
Samples submitted by: David Piggin

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	LD00T46-103330	10	<0.2	0.93	<5	90	<5	0.21	<1	8	12	66	1.66	<10	0.47	145	<1	<0.01	7	360	6	5	<20	18	0.07	<10	27	<10	6	<1
2	LD00T47-103331	5	<0.2	0.84	<5	75	<5	0.20	<1	7	10	83	1.44	<10	0.39	126	<1	<0.01	6	350	4	<5	<20	15	0.06	<10	25	<10	4	<1

QC DATA:


Repeat:

1	LD00T46-103330	5
2	LD00T47-103331	5

Standard:

GEO'00 120

df/200
XLS/00
FAX: @ 851-9419


ECO TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2000-197

LENDAV PROSPECTING
1986 SAPPHIRE COURT
KAMLOOPS, BC
V2E 2P1

Phone: 604-573-5700
Fax : 604-573-4557

ATTENTION: LEN/DAVE PIGGIN

No. of samples received: 1
Sample type: Rock
Project #: **Lucky Bear**
Shipment #: **Not Given**
Samples submitted by: David Piggin

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	LD00R49/103329	5	<0.2	0.57	<5	35	5	0.04	<1	13	175	41	2.04	<10	0.21	197	<1	<0.01	10	110	2	<5	<20	4	0.05	<10	9	<10	<1	<1

QC DATA:

Resplit:

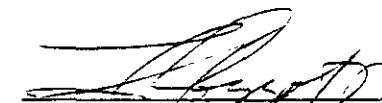
1	LD00R49/103329	5	<0.2	0.58	<5	35	<5	0.04	<1	13	180	45	2.11	<10	0.21	195	<1	<0.01	10	110	4	<5	<20	2	0.05	<10	9	<10	<1	<1
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Repeat:

1	LD00T46-103330	5																												
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Standard:

GEO'00	115																													
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ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer



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Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

to: LENDAV PROSPECTING

1986 SAPPHIRE COURT
 KAMLOOOPS, BC
 V2E 2P1

A0021896

Comments: ATTN: LEN PIGGIN

CERTIFICATE

A0021896

(SDO) - LENDAV PROSPECTING

Project: LUCKY BEAR
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 05-JUL-2000.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	1	Dry, sieve to -80 mesh save reject ICP - AQ Digestion charge
202	1	
229	1	
* 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
983	1	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	1	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	1	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	1	As ppm: 32 element, soil & rock	ICP-AES	2	10000
557	1	B ppm: 32 element, rock & soil	ICP-AES	10	10000
2121	1	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	1	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	1	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	1	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	1	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	1	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	1	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	1	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	1	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	1	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	1	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	1	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	1	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	1	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	1	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	1	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	1	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	1	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	1	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	1	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
551	1	S %: 32 element, rock & soil	ICP-AES	0.01	5.00
2141	1	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	1	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	1	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	1	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	1	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	1	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	1	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	1	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	1	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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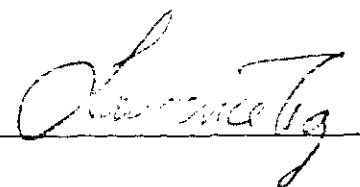
Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: LENDAV PROSPECTING **
 1986 SAPPHIRE COURT
 KAMLOOPS, BC
 V2E 2P1
 Project: LUCKY BEAR
 Comments: ATTN: LEN PIGGIN

Page 1 of 1
 Total Pages : 1
 Certificate Date: 05-JUL-2000
 Invoice No. : I0021896
 P.O. Number :
 Account : SDO

CERTIFICATE OF ANALYSIS A0021896

SAMPLE	PREP CODE		Au ppb	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg
	FA+AA		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%
LD00S05 293655	201	202	< 5	< 0.2	0.72	6	< 10	60	< 0.5	< 2	0.27	< 0.5	4	10	10	1.59	< 10	< 1	0.18	20	0.22

CERTIFICATION: 



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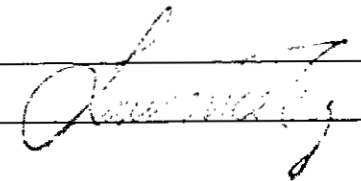
To: LENDAV PROSPECTING
 1986 SAPPHIRE COURT
 KAMLOOPS, BC
 V2E 2P1

Project: LUCKY BEAR
 Comments: ATTN: LEN PIGGIN

Page 1 of 1
 Total Pages : 1
 Certificate Date: 05-JUL-2000
 Invoice No. : I0021896
 P.O. Number :
 Account : SDO

CERTIFICATE OF ANALYSIS A0021896

SAMPLE	PREP CODE		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LD00S05 293655	201	202	1450	1	< 0.01	16	400	2	0.02	< 2	1	25	0.04	< 10	< 10	17	< 10	34

CERTIFICATION: 



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 KAMLOOPS, BC
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A0021897

Comments: ATTN: LEN PIGGIN

CERTIFICATE

A0021897

(SDO) - LENDAV PROSPECTING

Project: LUCKY BEAR
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 06-JUL-2000.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	11	Dry, sieve to -80 mesh
202	11	save reject
229	11	ICP - AQ 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
983	11	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	11	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	11	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	11	As ppm: 32 element, soil & rock	ICP-AES	2	10000
557	11	B ppm: 32 element, rock & soil	ICP-AES	10	10000
2121	11	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	11	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	11	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	11	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	11	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	11	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	11	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	11	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	11	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	11	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	11	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	11	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	11	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	11	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	11	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	11	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	11	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	11	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	11	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	11	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
551	11	S %: 32 element, rock & soil	ICP-AES	0.01	5.00
2141	11	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	11	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	11	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	11	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	11	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	11	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	11	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	11	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	11	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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To: LENDAV PROSPECTING
 1986 SAPPHIRE COURT
 KAMLOOPS, BC
 V2E 2P1

Project: LUCKY BEAR
 Comments: ATTN: LEN PIGGIN

Page 1 of 1-A
 Total Pages : 1
 Certificate Date: 06-JUL-2000
 Invoice No. : I0021897
 P.O. Number :
 Account : SDO

CERTIFICATE OF ANALYSIS A0021897

SAMPLE	PREP CODE		Au ppb	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg
	FA+AA		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%
LD00M01 293651	201	202	< 5	0.2	1.14	8	< 10	70	< 0.5	< 2	0.57	< 0.5	8	15	19	2.16	< 10	< 1	0.29	30	0.35
LD00M04 293654	201	202	< 5	0.2	1.57	12	< 10	90	0.5	< 2	0.75	< 0.5	10	18	29	2.84	< 10	< 1	0.40	50	0.47
LD00M06 293656	201	202	< 10	0.2	2.21	6	< 10	140	0.5	< 2	1.08	< 0.5	9	25	35	3.17	< 10	< 1	0.52	70	0.57
LD00M07 293657	201	202	< 5	< 0.2	0.98	2	< 10	50	< 0.5	< 2	0.55	< 0.5	4	14	11	1.63	< 10	< 1	0.23	40	0.29
LD00M08 293658	201	202	< 5	< 0.2	1.11	6	< 10	80	< 0.5	< 2	0.55	< 0.5	6	14	16	1.84	< 10	< 1	0.28	30	0.35
LD00M09 293659	201	202	< 5	< 0.2	0.85	4	< 10	50	< 0.5	< 2	0.40	< 0.5	4	12	10	1.57	< 10	< 1	0.20	30	0.26
LD00M10 293660	201	202	< 5	0.2	1.23	16	< 10	80	< 0.5	< 2	0.43	< 0.5	6	14	18	1.78	< 10	< 1	0.18	90	0.27
LD00M11 293661	201	202	< 10	< 0.2	0.98	10	< 10	100	< 0.5	< 2	3.24	< 0.5	5	20	16	2.46	< 10	< 1	0.38	20	0.37
LD00M12 293662	201	202	< 10	0.6	2.39	28	< 10	170	0.5	< 2	1.22	0.5	10	38	80	3.11	< 10	< 1	0.53	130	0.67
LD00M13 293663	201	202	< 5	0.4	1.20	16	< 10	90	0.5	< 2	0.48	< 0.5	6	16	35	1.68	< 10	< 1	0.22	160	0.31
LD00M14 293664	201	202	< 5	< 0.2	0.86	2	< 10	60	< 0.5	< 2	0.35	< 0.5	4	12	6	1.52	< 10	< 1	0.13	70	0.21

CERTIFICATION:  +



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 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: LENDAV PROSPECTING

1986 SAPPHIRE COURT
 KAMLOOPS, BC
 V2E 2P1

Project: LUCKY BEAR
 Comments: ATTN: LEN PIGGIN

Page : 1-B
 Total Pages : 1
 Certificate Date: 06-JUL-2000
 Invoice No. : I0021897
 P.O. Number :
 Account : SDO

CERTIFICATE OF ANALYSIS A0021897

SAMPLE	PREP CODE		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LD00M01 293651	201	202	1040	1	0.01	47	610	10	0.06	< 2	2	44	0.05	< 10	< 10	20	< 10	66
LD00M04 293654	201	202	1320	2	0.01	82	690	14	0.07	< 2	3	60	0.06	< 10	< 10	25	< 10	100
LD00M06 293656	201	202	1360	3	0.01	31	660	16	0.09	< 2	4	131	0.09	< 10	10	34	< 10	96
LD00M07 293657	201	202	420	1	0.01	9	590	6	0.04	< 2	2	58	0.05	< 10	< 10	22	< 10	42
LD00M08 293658	201	202	960	1	0.01	16	540	8	0.04	< 2	2	52	0.06	< 10	< 10	21	< 10	152
LD00M09 293659	201	202	520	1	0.01	10	550	6	0.03	< 2	1	39	0.05	< 10	< 10	21	< 10	66
LD00M10 293660	201	202	560	1	0.01	23	370	14	0.04	< 2	3	42	0.05	< 10	10	19	< 10	64
LD00M11 293661	201	202	1110	2	0.02	15	930	4	0.17	< 2	1	129	0.04	< 10	< 10	17	< 10	58
LD00M12 293662	201	202	1080	3	0.02	53	720	14	0.07	< 2	4	114	0.07	< 10	10	34	< 10	144
LD00M13 293663	201	202	815	1	0.01	25	510	10	0.03	< 2	4	49	0.05	< 10	20	24	< 10	50
LD00M14 293664	201	202	715	2	0.01	5	950	6	0.01	< 2	1	22	0.05	< 10	< 10	24	< 10	42

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To: LENDAV PROSPECTING

1986 SAPPHIRE COURT
 KAMLOOPS, BC
 V2E 2P1

A0022499

Comments: ATTN: LEN PIGGIN

CERTIFICATE

A0022499

(SDO) - LENDAV PROSPECTING

Project: LUCKY BEAR
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 19-JUL-2000.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	1	Dry, sieve to -80 mesh
202	1	save reject
229	1	ICP - AQ 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
983	1	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	1	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	1	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	1	As ppm: 32 element, soil & rock	ICP-AES	2	10000
557	1	B ppm: 32 element, rock & soil	ICP-AES	10	10000
2121	1	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	1	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	1	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	1	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	1	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	1	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	1	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	1	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	1	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	1	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	1	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	1	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	1	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	1	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	1	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	1	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	1	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	1	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	1	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	1	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
551	1	S %: 32 element, rock & soil	ICP-AES	0.01	5.00
2141	1	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	1	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	1	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	1	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	1	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	1	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	1	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	1	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	1	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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o: LENDAV PROSPECTING
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 KAMLOOPS, BC
 V2E 2P1

Project: LUCKY BEAR
 Comments: ATTN: LEN PIGGIN

Page Number: 1-A
 Total Pages: 1
 Certificate Date: 19-JUL-2000
 Invoice No.: I0022499
 P.O. Number:
 Account: SDO

CERTIFICATE OF ANALYSIS A0022499

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
LD00M23 293673	201 202	< 5	0.4	1.83	68	< 10	440	0.5	< 2	1.53	< 0.5	40	17	40	4.89	10	< 1	0.54	120	0.44

CERTIFICATION: 



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Page Number : 1-B
 Total Pages : 1
 Certificate Date: 19-JUL-2000
 Invoice No. : I0022499
 P.O. Number :
 Account : SDO

CERTIFICATE OF ANALYSIS **A0022499**

SAMPLE	PREP CODE		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LD00M23 293673	201	202	>10000	4	0.01	44	2050	14	0.15	2	3	173	0.05	< 10	30	38	< 10	124

CERTIFICATION: 



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To: LENDAV PROSPECTING

1986 SAPPHIRE COURT
 KAMLOOPS, BC
 V2E 2P1

Project: SPAP
 Comments: ATTN: LEN PIGGIN

Page Number: 1-A
 Total Pages: 1
 Certificate Date: 13-JUL-2000
 Invoice No.: I0022508
 P.O. Number:
 Account: SDO

CERTIFICATE OF ANALYSIS

A0022508

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
LD00M25 293675	201 202	< 5	1.8	0.80	10	20	1680	0.5	8	1.20	< 0.5	17	4	9	11.05	40	< 1	0.10	40	0.14
LD00M26 293676	201 202	< 5	< 0.2	1.18	< 2	< 10	110	0.5	< 2	0.60	< 0.5	7	12	12	1.76	< 10	< 1	0.13	20	0.36
LD00M27 293677	201 202	< 5	< 0.2	1.28	< 2	< 10	130	1.5	< 2	0.53	< 0.5	6	8	13	1.57	< 10	< 1	0.09	40	0.20
LD00M28 293678	201 202	< 5	< 0.2	1.57	2	< 10	180	1.5	< 2	0.64	0.5	5	8	13	1.36	< 10	< 1	0.14	60	0.19

CERTIFICATION:



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: LENDAV PROSPECTING

1986 SAPPHIRE COURT
 KAMLOOPS, BC
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Project: SPAP
 Comments: ATTN: LEN PIGGIN

Page Number :1-B
 Total Pages :1
 Certificate Date: 13-JUL-2000
 Invoice No. :I0022508
 P.O. Number :
 Account :SDO

CERTIFICATE OF ANALYSIS

A0022508

SAMPLE	PREP		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LDOOM25 293675	201	202	>10000	1 < 0.01	17	1270	22	0.12	4	1	307	0.01	< 10	10	15	< 10	98	
LDOOM26 293676	201	202	775	1 < 0.01	11	610	6	0.05	< 2	1	71	0.04	< 10	< 10	26	< 10	52	
LDOOM27 293677	201	202	790	1 < 0.01	7	710	6	0.08	< 2	1	95	0.03	< 10	< 10	25	< 10	58	
LDOOM28 293678	201	202	1255	1 < 0.01	7	890	12	0.10	< 2	1	119	0.02	< 10	< 10	20	< 10	60	

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A0022509

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A0022509

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Project: HEAD
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 19-JUL-2000.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	7	Dry, sieve to -80 mesh save reject ICP - AQ Digestion charge
202	7	
229	7	

* 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
983	7	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	7	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	7	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	7	As ppm: 32 element, soil & rock	ICP-AES	2	10000
557	7	B ppm: 32 element, rock & soil	ICP-AES	10	10000
2121	7	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	7	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	7	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	7	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	7	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	7	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	7	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	7	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	7	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	7	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	7	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	7	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	7	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	7	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	7	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	7	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	7	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	7	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	7	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	7	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
551	7	S %: 32 element, rock & soil	ICP-AES	0.01	5.00
2141	7	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	7	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	7	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	7	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	7	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	7	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	7	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	7	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	7	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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Project: HEAD
 Comments: ATTN: LEN PIGGIN

Page Number: 1-A
 Total Pages: 1
 Certificate Date: 19-JUL-2000
 Invoice No.: I0022509
 P.O. Number:
 Account: SDO

CERTIFICATE OF ANALYSIS A0022509

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
LD00M137 293679	201 202	< 5	0.4	1.19	4	< 10	120	1.0	< 2	2.12	0.5	5	12	38	0.96	< 10	< 1	0.23	110	0.24
LD00M15 293665	201 202	< 5	< 0.2	1.72	< 2	< 10	180	0.5	< 2	0.56	< 0.5	9	10	27	1.53	< 10	< 1	0.13	10	0.37
LD00M16 293666	201 202	5	< 0.2	2.03	2	< 10	180	0.5	< 2	0.53	< 0.5	9	13	31	1.87	< 10	< 1	0.15	10	0.44
LD00M17 293667	201 202	< 5	< 0.2	2.23	< 2	< 10	240	0.5	< 2	0.69	< 0.5	9	14	25	1.94	< 10	< 1	0.15	20	0.42
LD00M18 293668	201 202	< 5	< 0.2	1.87	2	< 10	260	0.5	< 2	0.76	0.5	11	12	20	2.07	< 10	< 1	0.13	20	0.43
LD00M20 293670	201 202	< 5	< 0.2	2.19	2	< 10	230	0.5	< 2	0.72	0.5	9	16	29	1.88	< 10	< 1	0.18	30	0.46
LD00M22 293672	201 202	< 5	< 0.2	1.30	< 2	< 10	160	< 0.5	< 2	0.57	< 0.5	7	9	15	1.65	< 10	< 1	0.22	10	0.26

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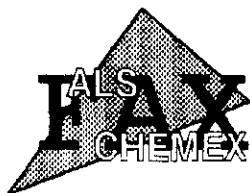
Page Number: 1-B
 Total Pages: 1
 Certificate Date: 19-JUL-2000
 Invoice No.: 10022509
 P.O. Number:
 Account: SDO

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SAMPLE	PREP CODE		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
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LD00M137 293679	201	202	635	2 < 0.01		13	1380	10	0.16	< 2	1	292	0.02	< 10	10	17	< 10	42
LD00M15 293665	201	202	1665	1 < 0.01		11	670	6	0.07	< 2	1	46	0.04	< 10	< 10	25	< 10	78
LD00M16 293666	201	202	1210	1 < 0.01		16	620	8	0.06	< 2	1	43	0.05	< 10	< 10	32	< 10	70
LD00M17 293667	201	202	1185	2 < 0.01		20	700	10	0.07	< 2	2	52	0.05	< 10	< 10	31	< 10	82
LD00M18 293668	201	202	3570	3 < 0.01		17	740	12	0.09	< 2	1	58	0.05	< 10	< 10	33	< 10	88
LD00M20 293670	201	202	690	1 < 0.01		19	630	6	0.07	< 2	2	51	0.06	< 10	< 10	32	< 10	64
LD00M22 293672	201	202	2480	3 < 0.01		6	870	10	0.11	< 2	< 1	69	0.03	< 10	< 10	21	< 10	50

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Page Number : 1-A
 Total Pages : 1
 Certificate Date: 18-JUL-00
 Invoice No. : 10023002
 P.O. Number :
 Account : SDO

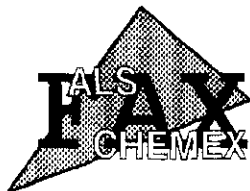
CERTIFICATE OF ANALYSIS

A0023002

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LDOOM29 293660	201	202	< 5	< 0.2	1.37	< 2	< 10	150	0.5	2	0.55	< 0.5	11	25	25	2.32	< 10	< 1	0.15	30	0.53
LDOOM30 293681	201	202	40	< 0.2	1.58	2	< 10	170	0.5	< 2	0.76	< 0.5	9	21	30	1.99	< 10	< 1	0.16	40	0.42
LDOOM31 293682	201	202	< 5	< 0.2	1.06	2	< 10	120	0.5	< 2	0.44	< 0.5	9	20	20	1.98	< 10	< 1	0.12	20	0.40
LDOOM37 293683	201	202	< 5	< 0.2	1.39	4	< 10	120	0.5	< 2	0.63	< 0.5	11	25	32	1.83	< 10	1	0.16	40	0.47
LDOOM38 293684	201	202	< 5	< 0.2	1.50	2	< 10	150	1.0	< 2	0.60	< 0.5	9	22	21	2.12	< 10	< 1	0.13	30	0.44

10/23/99 8:25AM CHEMEX LABS Alpha-FAX

PAGE 002



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Page Number : 1-B
 Total Pages : 1
 Certificate Date: 18-JUL-00
 Invoice No. : 10023002
 P.O. Number :
 Account : SDO

CERTIFICATE OF ANALYSIS

A0023002

SAMPLE	PREP		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LDOON29 293680	201	202	610	2	0.02	27	830	16	0.08	< 2	2	63	0.05	< 10	< 10	35	< 10	58
LDOON30 293681	201	202	540	5	0.02	28	610	16	0.05	< 2	2	80	0.06	< 10	< 10	32	< 10	56
LDOON31 293682	201	202	490	2	0.01	19	820	8	0.09	< 2	1	51	0.05	< 10	< 10	30	< 10	52
LDOON37 293683	201	202	510	2	0.01	27	860	12	0.05	< 2	2	63	0.05	< 10	< 10	27	< 10	48
LDOON38 293684	201	202	985	2	0.01	21	940	12	0.07	< 2	1	82	0.04	< 10	< 10	30	< 10	84



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Project: SPAP
 Comments: ATTN: LEN PIGGIN

Page Number: 1-A
 Total Pages: 1
 Certificate Date: 27-JUL-2000
 Invoice No.: I0023662
 P.O. Number:
 Account: SDO

CERTIFICATE OF ANALYSIS A0023662

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
	FA+AA																				
LDOOM40 293686	201	202	< 5	< 0.2	1.70	2	< 10	180	0.5	< 2	1.02	< 0.5	7	16	43	1.66	< 10	< 1	0.12	70	0.33
LDOOM41 293687	201	202	< 5	< 0.2	1.75	< 2	< 10	180	0.5	< 2	0.90	< 0.5	9	21	32	1.91	< 10	< 1	0.16	40	0.45
LDOOM42 293688	201	202	< 5	< 0.2	1.75	2	< 10	170	0.5	< 2	1.12	< 0.5	9	18	32	1.66	< 10	< 1	0.14	50	0.41
LDOOM43 293689	201	202	< 5	< 0.2	1.64	4	< 10	160	0.5	< 2	0.99	< 0.5	7	14	39	1.56	< 10	< 1	0.11	70	0.30

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Project : SPAP
 Comments: ATTN: LEN PIGGIN

Page Number : 1-B
 Total Pages : 1
 Certificate Date: 27-JUL-2000
 Invoice No. : I0023662
 P.O. Number :
 Account : SDO

CERTIFICATE OF ANALYSIS

A0023662

SAMPLE	PREP		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LD00M40 293686	201	202	450	1	< 0.01	28	650	14	0.08	< 2	2	98	0.04	< 10	< 10	20	< 10	50
LD00M41 293687	201	202	550	< 1	0.01	32	650	10	0.07	< 2	2	109	0.05	< 10	< 10	26	< 10	50
LD00M42 293688	201	202	710	1	< 0.01	32	820	8	0.10	< 2	1	135	0.04	< 10	< 10	23	< 10	50
LD00M43 293689	201	202	395	< 1	0.01	25	690	12	0.08	< 2	2	95	0.03	< 10	< 10	18	< 10	50

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 Comments: ATTN: LEN PIGGIN

Page Number: 1-A
 Total Pages: 1
 Certificate Date: 03-AUG-2000
 Invoice No.: I0024263
 P.O. Number:
 Account: SDO

CERTIFICATE OF ANALYSIS A0024263

SAMPLE	PREP CODE	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg
		ppb FA+AA	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
LD00M39 293685	201 222	5	< 0.2	1.37	2	< 10	120	1.0	< 2	0.64	< 0.5	9	16	26	1.62	< 10	< 1	0.11	40	0.36
LD00M44 293690	201 222	< 5	< 0.2	1.55	2	< 10	170	0.5	< 2	0.93	< 0.5	8	18	27	1.68	< 10	< 1	0.20	60	0.42
LD00M45 293691	201 222	< 5	< 0.2	1.09	2	< 10	260	0.5	< 2	1.98	< 0.5	6	17	305	1.32	< 10	< 1	0.21	40	0.36
LD00M48 293692	201 222	< 5	< 0.2	1.65	< 2	< 10	130	0.5	< 2	0.58	< 0.5	12	32	30	2.46	< 10	< 1	0.27	20	0.82

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Project: SPAP
 Comments: ATTN: LEN PIGGIN

Page Number: 1-B
 Total Pages: 1
 Certificate Date: 03-AUG-2000
 Invoice No.: I0024263
 P.O. Number:
 Account: SDO

CERTIFICATE OF ANALYSIS A0024263

SAMPLE	PREP CODE		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LDO0M39 293685	201	222	640	< 1	< 0.01	20	710	16	0.06	< 2	1	81	0.04	< 10	< 10	23	< 10	52
LDO0M44 293690	201	222	620	1	< 0.01	33	640	12	0.06	< 2	1	117	0.05	< 10	< 10	24	< 10	56
LDO0M45 293691	201	222	390	3	0.01	21	1070	10	0.16	< 2	2	201	0.03	< 10	< 10	22	< 10	28
LDO0M48 293692	201	222	430	1	< 0.01	27	910	4	0.04	< 2	3	33	0.08	< 10	< 10	41	< 10	50

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Project: LUCKY BEAR
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Page 1 of 1-A
 Total Pages : 1
 Certificate Date: 07-AUG-2000
 Invoice No. : I0024641
 P.O. Number :
 Account : SDO

CERTIFICATE OF ANALYSIS A0024641

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
	FA+AA																				
LD00M50/293693	201	202	< 5	0.2	1.10	8	< 10	70	0.5	< 2	0.41	< 0.5	10	26	13	2.81	< 10	< 1	0.22	30	0.44

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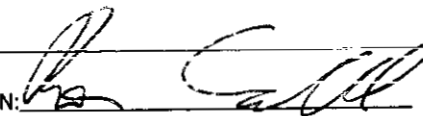
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Project: LUCKY BEAR
 Comments: ATTN: LEN PIGGIN

Page Number: 1-B
 Total Pages: 1
 Certificate Date: 07-AUG-2000
 Invoice No.: I0024641
 P.O. Number:
 Account: SDO

CERTIFICATE OF ANALYSIS A0024641

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LD00M50/293693	201	202	1020	1	< 0.01	16	1390	10	0.16	< 2	2	23	0.06	< 10	10	36	< 10	64

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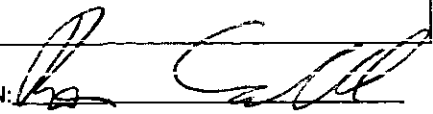
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Page Number : 1-A
 Total Pages : 1
 Certificate Date: 08-AUG-2000
 Invoice No. : I0024644
 P.O. Number :
 Account : SDO

Project : HEAD
 Comments: ATTN: LEN PIGGIN

CERTIFICATE OF ANALYSIS A0024644

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
			FA+AA																		
LDOOM51/293694	201	202	5	< 0.2	1.54	< 2	< 10	180	0.5	< 2	0.53	< 0.5	8	9	25	1.49	< 10	< 1	0.13	10	0.36
LDOOM52/293695	201	202	< 5	0.2	1.21	< 2	< 10	190	< 0.5	< 2	0.80	0.5	12	7	11	1.60	10	< 1	0.21	< 10	0.33
LDOOM53/293696	201	202	< 5	< 0.2	1.35	< 2	< 10	150	< 0.5	< 2	0.50	< 0.5	7	8	19	1.37	< 10	< 1	0.11	10	0.35
LDOOM54/293697	201	202	< 5	< 0.2	1.29	< 2	< 10	140	< 0.5	< 2	0.52	< 0.5	6	9	18	1.43	< 10	< 1	0.16	10	0.40

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Page Number : 1-B
 Total Pages : 1
 Certificate Date: 08-AUG-2000
 Invoice No. : 10024644
 P.O. Number :
 Account : SDO

Project : HEAD
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CERTIFICATE OF ANALYSIS A0024644

SAMPLE	PREP CODE		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LD00M51/293694	201	202	2620	1	0.01	10	640	6	0.08	< 2	1	47	0.04	< 10	< 10	24	< 10	74
LD00M52/293695	201	202	5920	5	0.01	5	900	8	0.10	< 2	< 1	109	0.04	< 10	< 10	24	< 10	52
LD00M53/293696	201	202	1955	1	< 0.01	7	610	6	0.06	< 2	1	45	0.04	< 10	< 10	22	< 10	60
LD00M54/293697	201	202	1310	1	< 0.01	9	720	6	0.06	< 2	1	45	0.05	< 10	< 10	24	< 10	56

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Project: LUCKY BEAR
 Comments: ATTN: LEN PIGGIN

Page Number: 1-A
 Total Pages: 1
 Certificate Date: 18-AUG-2000
 Invoice No.: I0025447
 P.O. Number:
 Account: SDO

CERTIFICATE OF ANALYSIS A0025447

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
LD00M57 293698	201 202	< 5	< 0.2	1.54	< 2	< 10	100	1.5	< 2	0.63	< 0.5	6	9	8	1.81	< 10	< 1	0.35	70	0.31
LD00M58 293699	201 202	< 5	< 0.2	2.66	< 2	< 10	70	3.0	< 2	0.82	< 0.5	5	13	7	1.88	< 10	< 1	0.20	80	0.40
LD00M59 293700	201 202	< 5	< 0.2	0.93	< 2	< 10	40	0.5	< 2	0.18	< 0.5	2	3	2	0.64	< 10	< 1	0.08	10	0.08
LD00M61 293701	201 202	< 5	< 0.2	0.91	< 2	< 10	80	0.5	< 2	0.29	< 0.5	7	3	4	1.50	< 10	< 1	0.10	10	0.07
LD00M62 293702	201 202	< 5	< 0.2	0.58	< 2	< 10	30	< 0.5	< 2	0.16	< 0.5	1	3	1	0.82	< 10	< 1	0.09	20	0.10
LD00M63 293703	201 202	< 5	< 0.2	0.73	2	< 10	50	0.5	< 2	0.20	< 0.5	4	3	3	1.11	< 10	< 1	0.07	10	0.07
LD00M64 293704	201 202	< 5	< 0.2	1.44	< 2	< 10	130	1.5	< 2	0.38	< 0.5	14	3	4	1.28	< 10	1	0.11	10	0.09
LD00M65 293705	201 202	< 5	< 0.2	0.62	< 2	< 10	30	< 0.5	< 2	0.22	< 0.5	1	3	1	0.68	< 10	< 1	0.07	30	0.08

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Page 1 of 1
 Total Pages : 1
 Certificate Date: 18-AUG-2000
 Invoice No. : I0025447
 P.O. Number :
 Account : SDO

CERTIFICATE OF ANALYSIS A0025447

SAMPLE	PREP CODE		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
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LD00M57 293698	201	202	1090	1	0.01	7	840	10	0.10	< 2	1	58	0.07	20	< 10	27	< 10	144
LD00M58 293699	201	202	545	< 1	0.01	8	1580	12	0.06	< 2	1	63	0.04	20	< 10	30	< 10	48
LD00M59 293700	201	202	600	< 1	0.01	1	320	6	0.03	< 2	< 1	15	0.03	< 10	< 10	8	< 10	30
LD00M61 293701	201	202	4040	1	0.01	3	550	8	0.05	< 2	< 1	24	0.01	< 10	< 10	12	< 10	58
LD00M62 293702	201	202	445	< 1	0.01	1	470	4	0.01	< 2	< 1	8	0.02	< 10	< 10	8	< 10	42
LD00M63 293703	201	202	1905	< 1	0.01	3	390	6	0.05	< 2	< 1	19	0.02	< 10	< 10	11	< 10	26
LD00M64 293704	201	202	8080	1	0.01	4	800	20	0.08	< 2	< 1	36	0.02	< 10	< 10	15	< 10	132
LD00M65 293705	201	202	390	< 1	0.01	2	520	4	0.02	< 2	< 1	14	0.02	10	< 10	8	< 10	20

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Project: LUCKY BEAR
 Comments: ATTN: LEN PIGGIN

Page Number: 1-A
 Total Pages: 1
 Certificate Date: 31-AUG-2000
 Invoice No.: I0026701
 P.O. Number:
 Account: SDO

CERTIFICATE OF ANALYSIS

A0026701

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
LDOOM66 293706	201 202	< 10	< 0.2	1.54	6	< 10	150	2.0	< 2	0.41	< 0.5	38	7	12	2.37	20	< 1	0.24	30	0.05
LDOOM67 293707	201 202	< 5	< 0.2	1.04	2	< 10	90	1.0	4	0.26	< 0.5	22	3	5	1.62	10	< 1	0.16	10	0.07
LDOOM69 293708	201 202	< 5	< 0.2	1.84	< 2	< 10	130	2.0	2	0.42	< 0.5	30	7	7	1.72	10	< 1	0.16	30	0.05
LDOOM70 293709	201 202	< 5	< 0.2	1.22	< 2	< 10	90	1.5	6	0.34	< 0.5	14	4	7	1.39	10	< 1	0.09	10	0.06
LDOOM71 293710	201 202	< 5	0.2	1.86	< 2	< 10	50	2.5	< 2	0.19	< 0.5	5	5	5	0.76	< 10	< 1	0.15	10	0.12
LDOOM72 293711	201 202	< 5	0.2	1.13	< 2	< 10	50	1.0	< 2	0.28	< 0.5	4	3	5	0.53	< 10	< 1	0.23	< 10	0.08
LDOOM73 293712	201 202	< 5	< 0.2	1.35	< 2	< 10	120	1.5	2	0.27	< 0.5	12	1	6	1.11	20	< 1	0.10	< 10	0.06
LDOOM74 293713	201 202	< 5	< 0.2	0.81	< 2	< 10	70	1.5	< 2	0.46	< 0.5	8	14	8	0.61	< 10	< 1	0.24	10	0.07
LDOOM139 293714	201 202	< 5	< 0.2	0.49	< 2	< 10	20	0.5	< 2	0.12	< 0.5	1	4	4	0.68	< 10	< 1	0.04	20	0.05

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Page No. : 1-B
 Total Pages : 1
 Certificate Date: 31-AUG-2000
 Invoice No. : 10026701
 P.O. Number :
 Account : SDO

Project : LUCKY BEAR
 Comments: ATTN: LEN PIGGIN

CERTIFICATE OF ANALYSIS A0026701

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
LD00M66 293706	201 202	>10000	2 < 0.01		5	1190	28	0.14	2	< 1	54	0.01	10	10	15	< 10	52
LD00M67 293707	201 202	7240	16 0.02		2	530	16	0.06	< 2	< 1	26	0.02	< 10	30	17	< 10	50
LD00M69 293708	201 202	>10000	3 0.01		6	860	18	0.12	2	< 1	47	0.01	10	10	17	< 10	90
LD00M70 293709	201 202	7350	2 < 0.01		3	850	22	0.11	< 2	< 1	39	0.01	< 10	30	16	< 10	44
LD00M71 293710	201 202	730	1 < 0.01		3	460	6	0.04	< 2	< 1	19	0.03	< 10	60	8	< 10	34
LD00M72 293711	201 202	2140	1 < 0.01		2	500	8	0.06	< 2	< 1	27	0.01	< 10	30	7	< 10	24
LD00M73 293712	201 202	>10000	3 < 0.01		2	560	12	0.07	< 2	< 1	34	0.02	< 10	30	13	< 10	44
LD00M74 293713	201 202	3680	1 0.01		8	910	20	0.11	< 2	< 1	44	0.01	< 10	20	7	< 10	34
LD00M139 293714	201 202	255	< 1 0.01		1	340	2	0.01	< 2	< 1	8	0.01	< 10	< 10	8	< 10	18

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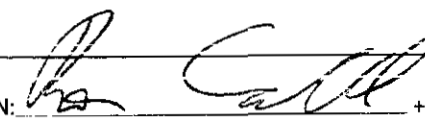
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Page Number : 1-A
 Total Pages : 1
 Certificate Date: 06-SEP-2000
 Invoice No. : I0027129
 P.O. Number :
 Account : SDO

Project : LUCKY BEAR
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CERTIFICATE OF ANALYSIS A0027129

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
			FA+AA																		
LD00M75 293716	201	202	< 5	< 0.2	0.70	4	< 10	40	0.5	< 2	0.42	< 0.5	3	16	4	2.32	< 10	< 1	0.08	60	0.13
LD00M76 293717	201	202	< 5	< 0.2	1.06	2	< 10	50	1.5	< 2	0.42	< 0.5	4	20	6	1.52	< 10	< 1	0.10	60	0.15
LD00M77 293718	201	202	< 10	< 0.2	1.96	2	< 10	120	2.0	< 2	0.63	0.5	9	36	11	1.76	< 10	< 1	0.25	60	0.30

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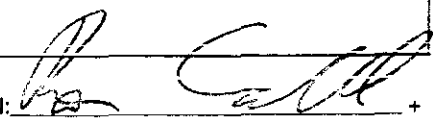
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Project: LUCKY BEAR
 Comments: ATTN: LEN PIGGIN

Page Number: 1-B
 Total Pages: 1
 Certificate Date: 06-SEP-2000
 Invoice No.: I0027129
 P.O. Number:
 Account: SDO

CERTIFICATE OF ANALYSIS A0027129

SAMPLE	PREP CODE		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
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LD00M75 293716	201	202	285	1	0.01	4	1040	14	0.03	< 2	1	20	0.04	< 10	10	37	< 10	50
LD00M76 293717	201	202	675	1	< 0.01	9	1030	10	0.05	< 2	1	28	0.04	10	10	25	< 10	50
LD00M77 293718	201	202	1340	4	0.01	22	870	20	0.09	< 2	1	62	0.06	10	10	27	< 10	110

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Page Number: 1-A
 Total Pages: 1
 Certificate Date: 30-AUG-2000
 Invoice No.: I0027131
 P.O. Number:
 Account: SDO

Project: LUCKY BEAR
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CERTIFICATE OF ANALYSIS A0027131

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
LD00T60 293715	201 202	< 5	< 0.2	1.02	< 2	10	10	< 0.5	< 2	0.08	< 0.5	1	3	1	0.74	< 10	< 1	0.02	10	0.05

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Page Number: 1-B
 Total Pages: 1
 Certificate Date: 30-AUG-2000
 Invoice No.: 10027131
 P.O. Number:
 Account: SDO

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A0027131

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
LD00T60 293715	201 202	100	< 1	< 0.01	1	480	2	0.01	< 2	< 1	4	0.01	< 10	< 10	7	< 10	14

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 V2E 2P1
 Project: LUCKY BEAR
 Comments: ATTN: LEN PIGGIN

Page Number: 1-A
 Total Pages: 1
 Certificate Date: 08-SEP-2000
 Invoice No.: I0027769
 P.O. Number:
 Account: SDO

CERTIFICATE OF ANALYSIS A0027769

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
LD00T87 293719	201 202	< 5	< 0.2	1.01	12	< 10	60	0.5	< 2	0.13	< 0.5	7	16	16	1.86	< 10	< 1	0.22	10	0.32
LD00T88 293720	201 202	< 5	< 0.2	1.44	6	< 10	110	0.5	< 2	0.16	< 0.5	8	19	13	2.00	< 10	< 1	0.22	10	0.40
LD00T89 293721	201 202	< 5	< 0.2	0.99	8	< 10	60	< 0.5	< 2	0.16	< 0.5	8	18	13	1.86	< 10	< 1	0.25	10	0.43
LD00T107 293722	201 202	< 5	< 0.2	0.64	8	< 10	50	< 0.5	< 2	0.13	< 0.5	5	13	8	1.69	< 10	< 1	0.15	10	0.21
LD00T108 293723	201 202	< 5	< 0.2	0.62	2	< 10	20	< 0.5	< 2	0.07	< 0.5	4	8	5	0.93	< 10	< 1	0.09	10	0.18
LD00T109 293724	201 202	< 5	< 0.2	1.07	10	< 10	60	0.5	< 2	0.22	< 0.5	8	17	18	2.16	< 10	< 1	0.31	20	0.40
LD00T110 293725	201 202	< 5	< 0.2	0.66	2	< 10	20	< 0.5	< 2	0.11	< 0.5	4	9	6	1.15	< 10	< 1	0.13	10	0.18

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Page Number: 1-B
 Total Pages: 1
 Certificate Date: 08-SEP-2000
 Invoice No.: I0027769
 P.O. Number:
 Account: SDO

CERTIFICATE OF ANALYSIS A0027769

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
LD00T87 293719	201 202	165	1 < 0.01		14	330	12 < 0.01	< 2	2	12	12	0.06	< 10	< 10	25	< 10	48
LD00T88 293720	201 202	245	1 < 0.01		20	430	8 < 0.01	< 2	2	18	18	0.08	< 10	< 10	29	< 10	68
LD00T89 293721	201 202	255	< 1 0.01		13	280	8 < 0.01	< 2	3	13	13	0.07	< 10	< 10	28	< 10	42
LD00T107 293722	201 202	120	< 1 < 0.01		9	460	6 0.01	< 2	1	9	9	0.04	< 10	< 10	24	< 10	34
LD00T108 293723	201 202	100	< 1 0.01		6	180	4 < 0.01	< 2	1	7	7	0.04	< 10	< 10	15	< 10	22
LD00T109 293724	201 202	735	1 < 0.01		21	560	12 < 0.01	< 2	3	20	20	0.07	< 10	< 10	25	< 10	50
LD00T110 293725	201 202	115	< 1 0.01		6	400	6 < 0.01	< 2	1	8	8	0.04	< 10	< 10	18	< 10	22

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Project: LUCKY BEAR
 Comments: ATTN: LEN PIGGIN

Page Number: 1-A
 Total Pages: 1
 Certificate Date: 06-OCT-2000
 Invoice No.: I0030273
 P.O. Number:
 Account: SDO

CERTIFICATE OF ANALYSIS A0030273

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
	FA+AA																				
LDOOM124 293727	201	202	< 5	< 0.2	1.11	< 2	< 10	70	0.5	< 2	0.35	< 0.5	6	7	11	1.51	< 10	< 1	0.11	30	0.17
LDOOT125 293730	201	202	5	1.0	2.04	82	< 10	180	0.5	8	0.19	< 0.5	13	14	48	4.67	< 10	< 1	0.35	30	0.33

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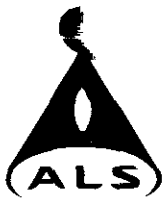
Page : 1-B
 Total Pages : 1
 Certificate Date: 06-OCT-2000
 Invoice No. : I0030273
 P.O. Number :
 Account : SDO

CERTIFICATE OF ANALYSIS

A0030273

SAMPLE	PREP CODE		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LDOOM124 293727	201	202	1500	1	0.01	3	930	10	0.05	8	< 1	24	0.04	< 10	10	19	< 10	48
LDOOT125 293730	201	202	305	< 1	0.02	11	660	86	0.33	< 2	3	93	0.11	< 10	< 10	33	< 10	172

CERTIFICATION:



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: LENDAV PROSPECTING
 1986 SAPPHIRE COURT
 KAMLOOPS, BC
 V2E 2P1

Project: HEAD
 Comments: ATTN: LEN PIGGIN

Page: 1 of 1
 Total Pages: 1
 Certificate Date: 09-OCT-2000
 Invoice No.: I0030274
 P.O. Number:
 Account: SDO

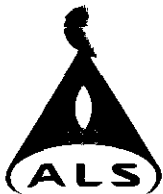
CERTIFICATE OF ANALYSIS

A0030274

SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
	FA+AA																				
LDOOR117 293728	205	226	< 5	< 0.2	0.83	18	40	50	0.5	< 2	0.56	< 0.5	9	49	17	4.42	< 10	< 1	0.18	10	0.42
LDOOR118 293729	205	226	< 5	0.2	0.44	22	40	70	0.5	< 2	4.08	< 0.5	9	18	15	2.98	< 10	< 1	0.28	10	2.16

CERTIFICATION





ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: LENDAV PROSPECTING

1986 SAPPHIRE COURT
 KAMLOOPS, BC
 V2E 2P1


Project: HEAD
 Comments: ATTN: LEN PIGGIN

Page Number: 1-B
 Total Pages: 1
 Certificate Date: 09-OCT-2000
 Invoice No.: 10030274
 P.O. Number:
 Account: SDO

CERTIFICATE OF ANALYSIS

A0030274

SAMPLE	PREP CODE		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LDOOR117 293728	205	226	315	< 1	0.03	25	910	14	0.02	< 2	1	26	< 0.01	< 10	< 10	14	< 10	114
LDOOR118 293729	205	226	515	3	0.03	14	280	12	0.02	2	3	88	< 0.01	< 10	< 10	6	< 10	60

CERTIFICATION: 



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: LENDAV PROSPECTING

1986 SAPPHIRE COURT
 KAMLOOPS, BC
 V2E 2P1

Project: HEAD
 Comments: ATTN: LEN PIGGIN

Page: 1-A
 Total Pages: 1
 Certificate Date: 06-OCT-2000
 Invoice No.: I0030275
 P.O. Number:
 Account: SDO

CERTIFICATE OF ANALYSIS

A0030275

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
LDOOM119 293726	201 202	< 5	< 0.2	1.56	2	< 10	210	0.5	< 2	0.95	0.5	10	9	50	1.37	< 10	< 1	0.14	30	0.33

CERTIFICATION:



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: LENDAV PROSPECTING
 1986 SAPPHIRE COURT
 KAMLOOPS, BC
 V2E 2P1
 Project: HEAD
 Comments: ATTN: LEN PIGGIN

Page 1 of 1
 Total Pages : 1
 Certificate Date: 06-OCT-2000
 Invoice No. : I0030275
 P.O. Number :
 Account : SDO

CERTIFICATE OF ANALYSIS

A0030275

SAMPLE	PREP CODE		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LDOOM119 293726	201	202	2740	1	0.01	7	730	8	0.11	8	1	69	0.04	< 10	< 10	21	< 10	54

CERTIFICATION: 

D. TECHNICAL REPORT

- One technical report to be completed for each project area.
- Refer to Program Regulations 15 to 17, pages 6 and 7.



Information on this form is confidential subject to the provisions of the Freedom of Information Act.

SUMMARY OF RESULTS

- This summary section must be filled out by all grantees, one for each project area

Name LEONARD PIGGIN Reference Number 2000/2001 P.73

LOCATION/COMMODITIES

Project Area (as listed in Part A) LUCKY BEAR SEE S.C. MINFILE No. if applicable N/A

Location of Project Area NTS 11.03/4000E 589000N Lat 51.19'58" N Long 119.40'11" W

Description of Location and Access Leave Barrier travel Easterly on Barrier Lakes Road. Turn left onto North Barrier Road. Turn right at 2.1 KM & right at 6.2 KM then travel 4 KM @ LCP. SEE S.A.

Prospecting Assistants(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6)
DAVID PIGGIN SEE S.B.

Main Commodities Searched For AU, Ag, Cu, Ni, Pb, ZN

Known Mineral Occurrences in Project Area None. Area never staked

WORK PERFORMED

1. Conventional Prospecting (area) 700ha.
2. Geological Mapping (hectares/scale) NIL
3. Geochemical (type and no. of samples) 80
4. Geophysical (type and line km) Hand soil pit 27 1M X 1M X .5M Trenching/Blasting 1M X 10M X 1.5M DEEP
5. Physical Work (type and amount) →
6. Drilling (no. holes, size, depth in m, total m) NIL
7. Other (specify) Black light 2 Man Day-10 KM

Best Discovery
Project/Claim Name AREA "A" LUCKY BEAR Commodities Ag, As, Cu, Fe, Mo, Ni, Pb, ZN

Location (show on map) Lat. _____ Long _____ Elevation _____

Best assay/sample type Moss Mat L000M04, L000M06, L000M12, L000T12 SEE S.D.

Description of mineralization, host rocks, anomalies located at the contact between the Baldy Batholith [KB] & the late Devonian orthoquartz Unit [Dgnp] which also includes sillimanite bearing paragneiss. The Eagle Bay Assemblage [EBQ] is also present but does not appear within the boundaries of the Lucky Bear claims.

FEEDBACK: comments and suggestions for Prospector Assistance Program The up front funding of 50% S/B increased to 80%. The amount budgeted for grants S/B increased. Marketing costs up to a certain % of the grant should be eligible expenses say 5%. Safety items should also be an eligible expense, the grant application form could spell out in detail what would be acceptable.

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS

- Those submitting a copy of an Assessment Report or a report of similar quality that covers all the key elements listed below are not required to fill out this section.
- Refer to Program Regulation 17D on page 6 for details before filling this section out (use extra pages if necessary)
- Supporting data must be submitted with the following TECHNICAL REPORT or any report accepted in lieu of.

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act*.

Name LEONARD PIGGIN Reference Number 2000/2001 P73

1. LOCATION OF PROJECT AREA [Outline clearly on accompanying maps of appropriate scale.]

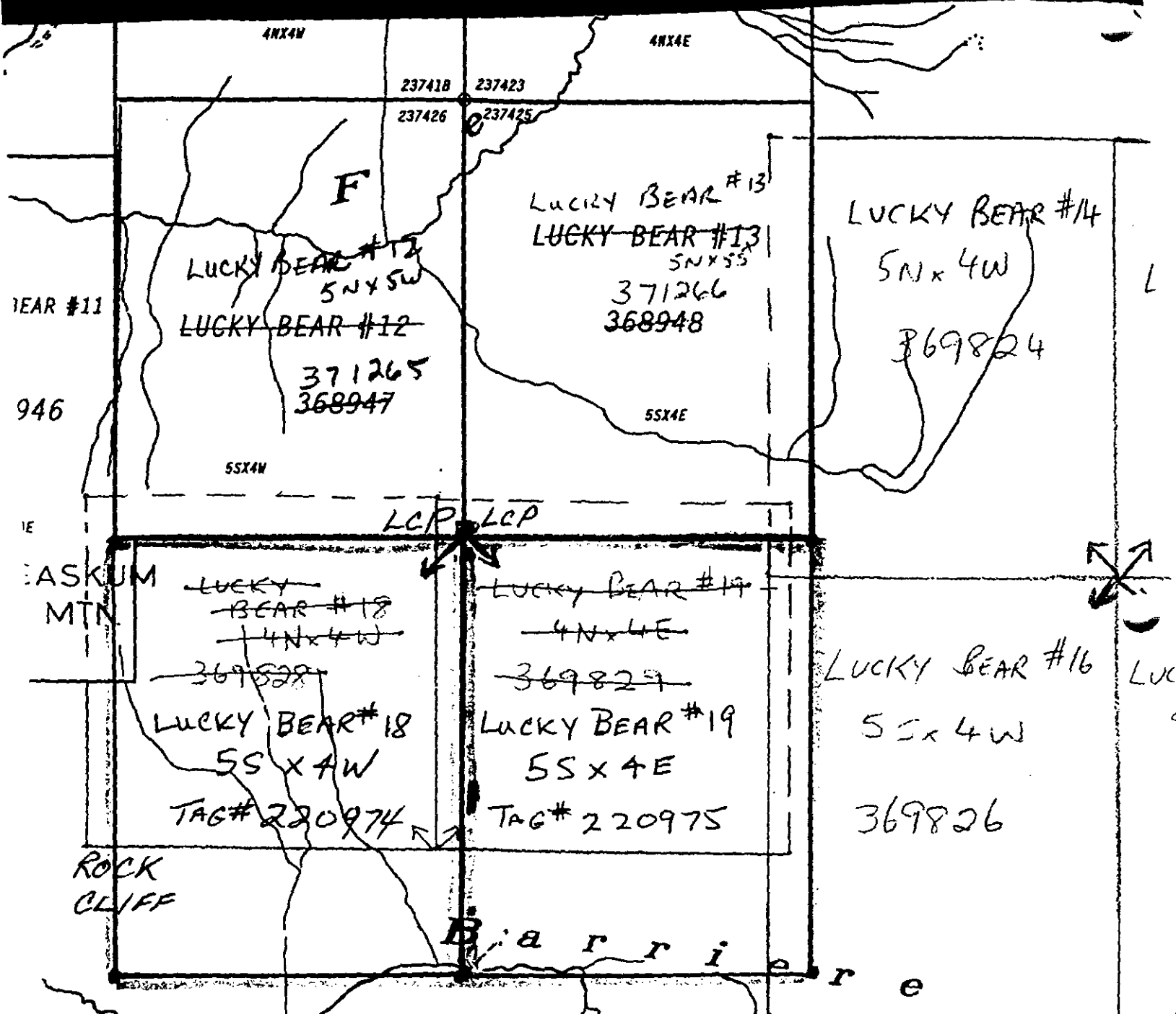
SEE S.B.

2. PROGRAM OBJECTIVE [Include original exploration target.]

The original project area was the lucky Bear Claims. Mass Mats would be taken of as many drainages as possible and also a till survey between our little Creek showing + Flat + Rock showings. If our Mass Mat samples turned up an anomalous results the area would be prospected.

3. PROSPECTING RESULTS [Describe areas prospected and significant outcrops/float encountered. Mineralization must be described in terms of specific minerals and how they occur. These details must be shown on accompanying map(s) of appropriate scale; prospecting traverses should be clearly marked.]

SEE S.E, S.D, S.F



LENDAN PROSPECTING #141166
 1986 SAPPHIRE COURT
 KAMLOOPS, B.C.
 V2E2P1 (250)851-0071
 LOCATOR: LEONARD PIGGIN
 #121423

82MO5E
 1:31680
 SEPTEMBER 14, 1999
 D.O.P.
 LCP - CPS 11.0315X64E
 o 568961N.
 4 satellites

LUCKY F
BEAR #12

4W x 5S

368947

LUCKY BEAR #13

4E x 5S

368948

LUCKY BEAR #14

5N 4W

TAG # 237512

LUCKY BEAR #15

5N 4E

TAG # 237513

LCP

LCP

LCP

LCP

LUCKY BEAR #18

4S 4W

TAG # 237514

LUCKY BEAR #19

4S 4E

Tag # 237515

LCP

LCP

LUCKY BEAR #16

5S 4W

TAG # 237510

LUCKY BEAR #17

5S 4E

TAG # 237511

MAP SHEET 82M/05E 1:31,680

LENDAY PROSPECTING

Barrier

SKUM
TN.



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[Government of British Columbia](#)

Programs & Services



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Mineral Titles Search by Claim Name

The mineral tenure information at this site was last updated on the morning of **November 12, 2000.**

Tenures with Claim Name = Lucky Bear:

There were **32** results.

Tenure Number	Claim Name	Owner Number		Map Number	Work Recorded To	Status	Mining Division	Units	Tag Number
						Good Standing			
						Good			
						20010426			
						Good			
						20010450			
						Good			
						20010827			
						19990815			
						Good			
						20010826			
369824	LUCKY BEAR #14	141166	100%	082M05E	20010614	Good Standing 20010614	8 Kamloops	20	237512
369825	LUCKY BEAR #15	141166	100%	082M05E	20010614	Good Standing 20010614	8 Kamloops	20	237513
369826	LUCKY BEAR #16	141166	100%	082M05E	20010614	Good Standing 20010614	8 Kamloops	20	237510
369827	LUCKY BEAR #17	141166	100%	082M05E	20010614	Good Standing 20010614	8 Kamloops	20	237511
371627	LUCKY BEAR #18	141166	100%	082M05E	20020614	Good Standing 20020614	8 Kamloops	20	220974

						Abandoned			
371628	LUCKY BEAR #19	141166	100%	082M05E	20020614	Good Standing 20020614	8 Kamloops	20	220975
369178	LUCKY BEAR #2	141797	100%	082M05E	20010523	Good Standing 20010523	8 Kamloops	20	237432
374004	LUCKY BEAR #20	141797	100%	082M05E	20010210	Abandoned 20000331	8 Kamloops	20	237583
376295	LUCKY BEAR #20	141797	100%	082M05E	20010423	Good Standing 20010423	8 Kamloops	20	237595
374335	LUCKY BEAR #21	141797	100%	082M05E	20010210	Abandoned 20000331	8 Kamloops	20	237584
376296	LUCKY BEAR #21	141797	100%	082M05E	20010425	Good Standing 20010425	8 Kamloops	20	237596
374336	LUCKY BEAR #22	141797	100%	082M05E	20010210	Abandoned 20000331	8 Kamloops	20	237585
376297	LUCKY BEAR #22	141797	100%	082M05E	20010426	Good Standing 20010426	8 Kamloops	20	237597
374337	LUCKY BEAR #23	141797	100%	082M05E	20010210	Abandoned 20000331	8 Kamloops	20	237586
376298	LUCKY BEAR #23	141797	100%	082M05E	20010429	Good Standing 20010429	8 Kamloops	20	237598
377035	LUCKY BEAR #24	141797	100%	082M05E	20010510	Good Standing 20010510	8 Kamloops	20	237431
368938	LUCKY BEAR #3	141797	100%	082M05E	20010502	Good Standing 20010502	8 Kamloops	20	220988
368939	LUCKY BEAR #4	141797	100%	082M05E	20010503	Good Standing 20010503	8 Kamloops	20	220987
368940	LUCKY BEAR #5	141797	100%	082M05E	20010504	Good Standing 20010504	8 Kamloops	15	237424
368941	LUCKY BEAR #6	141797	100%	082M05E	20010505	Good Standing 20010505	8 Kamloops	15	237427
368942	LUCKY BEAR #7	141797	100%	082M05E	20010506	Good Standing 20010506	8 Kamloops	15	237429
368943	LUCKY BEAR #8	141797	100%	082M05E	20010508	Good Standing 20010508	8 Kamloops	15	237430
368944	LUCKY BEAR #9	141797	100%	082M05E	20010425	Good Standing 20010425	8 Kamloops	16	237418

Your use of this site is subject to this disclaimer.

To download this information to a comma delimited text file click [here](#).

Prospectors Training and Experience

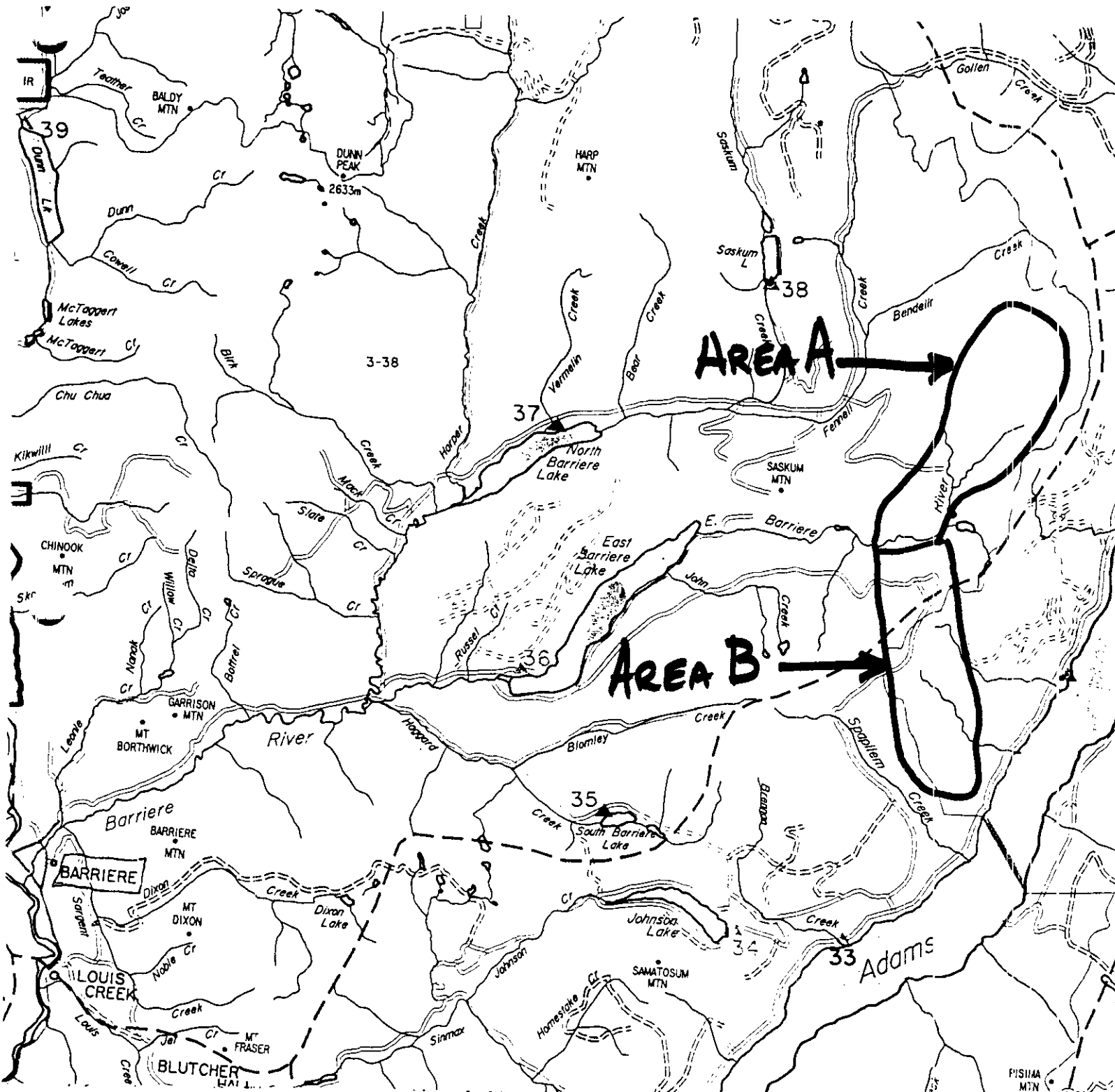
Leonard P. Piggin, Free Miner # 121423

- Director of the Kamloops Exploration Group (KEG) 1999/2000, member of BCYC of Mines
- Three years experience as prospector, started in 1998, Prospectors Assistance Grant 2000/2001 #P73,
- Twenty years experience fishing and hunting in the Kamloops area
- Diploma in Business Administration from U. C. C. (2 year program)
- Completed Canadian Securities Course 1982, and currently working on Certified Financial Planners Courses, currently working on the Certified Risk Managers Course (University of Toronto).
- Marketed the Cam/Gloria Claims for Camille Berube to Teck Corporation (MINFILE # 082M-266)
- Assisted David J. Piggin in the completion of his Prospectors Grant 98/99 P94.
- Prospecting Course - UCC Fall 1997 put on by the Kamloops Exploration Group
- KEG Workshop April 1998 in Kamloops, including the field trip to Tranquille River. Attended KEG Workshop June 2000 Samatosum Mtn and September 2000 at Siwash Property (Fairfield Minerals)
- Till Sampling Workshop - September 25, 1998 sponsored by KEG and G.S. Branch
- Geophysics Workshop - November 24, 1998 Dr. Jennifer Levett, Placer Dome; KEG workshop
- Attended the January 1999 and January 2000 Exploration Roundup in Vancouver BCYCM. Had a prospectors booth for the Cam/Gloria Claims, NORTH Claims, LUCKY BEAR Claims, SPAP/HEAD Claims and boldly marketed the property to all attendees. Attended technical sessions.
- Attended the KEG Workshop in April 1998, 1999, 2000. Attended the Intrusive Gold Deposit Workshop 1999.
- Level II Industrial First Aid Ticket

David J. Piggin, Free Miner # 140689

- Member of the Kamloops Exploration Group and the BCYC of Mines.
- 27 years experience in field work as Forest Technician and Registered Professional Forester, with extensive field knowledge of the Kamloops mining area
- 27 years experience implementing and administering field surveys to a scientific standard
- Three years experience as prospector starting in 1998
- Successfully completed Prospectors Grant 98/99 P94, and worked with Len on Grant 2000/2001 #P73
- Marketed the Cam/Gloria Claims for Camille Berube to Teck Corporation (MINFILE 082M0-266)
- Prospecting Course - UCC Fall 1997 put on by the Kamloops Exploration Group
- Attended KEG Workshop April 1998, April 1999, April 2000 in Kamloops
- Till Sampling Workshop - September 25, 1998 sponsored by KEG and Geological Survey Branch
- Geophysics Workshop - November 24, 1998 Dr. Jennifer Levett, Placer Dome; KEG workshop
- Attended the January 1999 and January 2000 Exploration Roundup in Vancouver. Had a prospector's booth for the Cam/Gloria Claims, NORTH Claims, LUCKY BEAR Claims, SPAP/HEAD Claims and boldly marketed the property to all attendees. Attended technical sessions.
- Attended the Tranquille field trip, Afton Mines field trip, and the Intrusive Gold Deposit Workshop. Total training 3 days. Attended the KEG workshops at Samatosum Mtn (June 2000), and Siwash/Big Kid September 2000.
- Advanced Courses in Forest Surveying, Forest Hydrology, Forest Soils, Forest Roads and Transportation, Forest Mensuration, Photogrammetry, Biometry and Statistics, Calculus, Linear Algebra, Physics. These courses are related to prospecting and exploration.
- Certified Fire Boss B on Wildfires
- Occupational First Aid Level #1 (WCB) with Transportation Endorsement

OVERVIEW MAP - PROSPECTORS ASSISTANCE GRANT # 2000/2001 P 73



LEN PIGGIN
1:220,000
NOV 13, 2000

(S.C.)

PROSPECTORS ASSISTANCE PROGRAM: 2000/2001 P73 - LEONARD P. PIGGIN # 121423

AREA	ICP	Au	Ag	As	Ba	Bi	Ca	Co	Cu	Fe	Ga	Mn	Mo	Ni	Pb	Sb	Zn
		ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A1	LD00M04	<5	0.2	12	90	<2	0.75	10	29	2.84	<10	1320	2	82	14	<2	100
A1	LD00M06	<10	0.2	6	140	<2	1.08	9	35	3.17	<10	1360	3	31	16	<2	96
A1	LD00M12	<10	0.6	28	170	<2	1.22	10	80	3.11	<10	1080	3	53	14	<2	144
A1	LD00R127	220	0.4	35	75	25	1.10	15	87	4.12	na	403	5	21	168	<5	32
A1	LD00R128	35	<2	10	155	<5	0.98	9	21	2.86	na	508	3	10	46	<5	73
A2	LD00M13	<5	0.4	16	90	<2	0.48	6	35	1.68	<10	815	1	25	10	<2	50
A3	LD00M137	<5	0.4	4	120	<2	2.12	5	38	0.96	<10	635	2	13	10	<2	42
A3	LD00M50	<5	0.2	8	70	<2	0.41	10	13	2.81	<10	1020	1	16	10	<2	64
A3	LD00R49	5	<0.2	<5	35	5	0.04	13	41	2.04	na	197	<1	10	2	<5	<1
A3	LD00T125	5	1.0	82	180	8	0.19	13	48	4.67	<10	305	<1	11	86	<2	172
A4	LD00M66	<10	<0.2	6	150	<2	0.41	38	12	2.37	20	>10000	2	5	28	2	52
A4	LD00M67	<5	<0.2	2	90	4	0.26	22	5	1.62	10	7240	16	2	16	<2	50
A4	LD00M69	<5	<0.2	<2	130	2	0.42	30	7	1.72	10	>10000	3	6	18	2	90
A4	LD00M70	<5	<0.2	<2	90	6	0.34	14	7	1.39	10	7350	2	3	22	<2	44
A4	LD00M71	<5	0.2	<2	50	<2	0.19	5	5	0.76	<10	730	1	3	6	<2	34
A5	LD00M23	<5	0.4	68	440	<2	1.53	40	40	4.89	10	>10000	4	44	14	2	124

50

3. Technical Report

AREA A

Area A is comprised of the Lucky Bear Claims (#14-#19) and an additional unstaked area to the North and East. We took 34 Moss Mat samples, 11 Rock samples, 27 Till samples and 1 Stream Sediment sample from this area.

Five anomalous zones were found in Area A one zone (A-4) is not currently staked. Areas A-1, A-2, and A-5 are located on the contact between the Baldy Batholith (granodiorite) and the Eagle Bay Assemblage (EBG schist). Areas A-3 and A-4 are located within the Baldy Batholith.

Zone-A-1 contains our Little Creek & Flat Rock Showing. We conducted one blast using explosives and found three quartz veins 3 inches in width. Two rock samples LD00R127 and LD00R128 were taken. Sample 127 was in the quartz vein (with Po) and sample 128 was in the host granodiorite (with Po). Sample 127 assayed Au 220 ppb, As 35 ppm, Bi 25 ppm, Fe 4.12 %, Mo 5 ppm, Pb 168ppm. Sample 128 assayed Au – 35 ppb. Both sample 127 and 128 were assayed for Pt, Pd, and Rh with negative results.

Moss Mat Anomalous results found are for Ag .6 ppm, As 6 to 28 ppm, Cu 29 to 80 ppm, Fe 3.11% & 3.17%, Mo 3 ppm, Ni 31 to 82 ppm, Pb 14 & 16 ppm Zn 96 to 144 ppm.

A till survey was completed (50 metre spacing) between the Little Creek and the Flat Rock Showing (samples #LD00T87 to LD00T112). Sample numbers LD00T87-LD00T89 and LD00T107-LD00T110 we assayed with no anomalous numbers. The till collected was generally sandy. In general terms, sandy soils are not as reliable as finer grained basal till soils therefore, a number of samples were not assayed.

We would like to do additional sampling and trenching in this area in 2001.

Zone A-2 one Moss Mat with anomalous Cu of 35 ppm.

Zone A-3 Two Moss Mats, one Rock and One Till sample showed anomalous results for Au, Ag, As, Ba, Bi, Ca, Cu, Pb and Zn. The rocks in this area are Diorite and Granodiorite with large Phenocrysts.

(S-E)

The best results were from till sample LD00T125 which returned the following values: Au -5ppb, Ag -1.0 ppm, As - 82 ppm, Ba -180 ppm, Bi – 8 ppm, Pb – 86 ppm, Zn – 172 ppm. The Ag, As, Bi, Pb, and Zn values are significant because there above the 90 percentile scores based on the Regional Till Survey results. Hand trenching and sampling has been scheduled for summer 2001.

Zone A-4 six Moss Mats showed anomalous results. Sample LD00M66 contained Ga 20 ppm. A number of samples returned anomalous results for Co 14 to 38 ppm, Bi 2 to 6 ppm, Mo 3 to 16 ppm, Sb 2 ppm, Pb 16 to 28 ppm. The rocks in this area are Diorite and Granodiorite with large Phenocrysts. We black lighted the area between 7.5 km and 16 km (sample locations LD00M62 and LD00T60). Specks of blue sheelite and yellow (unknown). The sheelite was not of the same quantity found at the water tank showing by Camille Berube.

Zone A-5 one Moss Mat turned up As 68 ppm, Ba 440 ppm, Co 40 ppm, Cu 40 ppm, Fe 4.89%, Mn >10000 ppm, Mo 4 ppm, Ni 44 ppm, Pb 14 ppm, Sb 2 ppm and Zn 124 ppm.

The Lucky Bear Claims were featured in a publication by M. S. Cathro & D. V. Lefebvre titled “Several New Plutonic-related Gold, Bismuth and Tungsten Occurrences in Southern British Columbia”.

Several New Plutonic-related Gold, Bismuth and Tungsten Occurrences in Southern British Columbia

By M.S. Cathro and D.V. Lefebure

INTRODUCTION

Exploration interest in plutonic-related gold deposits in the Cordillera was initially sparked in the 1990s by the discovery and development of the Fort Knox bulk tonnage gold mine located near Fairbanks, Alaska. It has been rejuvenated by the discovery of the high-grade Liese Zone gold deposit (Smith *et al.*, 1999) on the Pogo property in east-central Alaska, with a published resource of 8.89 million tonnes grading 17.83 g/t Au (Teck Corporation Annual Report, 1999). These deposits are part of the "Tintina Gold Belt" and are associated with mid-Cretaceous granitoid rocks of the Tombstone Plutonic Suite. They have a metal assemblage of gold-bismuth-tungsten-arsenic-tellurium-(molybdenum-antimony) and are considered to be plutonic- or intrusion-related deposits, as described in recent review papers by McCoy *et al.* (1997), Poulson *et al.* (1997), Thompson *et al.* (1999), and Baker *et al.* (submitted).

Recent prospecting in the Omineca Belt in southern British Columbia has identified several new plutonic-related gold, bismuth and tungsten occurrences which exhibit similarities to the well studied deposits in Alaska and the Yukon. The potential for plutonic-related gold-quartz veins in B.C. has been discussed by Lefebure and Cathro (1999) and Logan *et al.* (2000) and a compilation map of exploration indicators for these types of deposits was prepared by Lefebure *et al.* (1999).

The showings described here are at an early stage of exploration, with only limited surface mapping, trenching or drilling completed. This paper provides short descriptions, based on brief field visits, of the local geology and exploration history of the showings, along with multi-element geochemical data from grab or chip samples collected by the authors or compiled from other sources. More detailed studies of specific occurrences have been started and the initial results are reported by Logan (this volume), Logan and Mann (2000a) and Logan and Mann (2000b). The results of orientation geochemical surveys conducted near several of the showings are reported by Lett and Jackaman (this volume).

REGIONAL GEOLOGY

The Omineca Belt is a belt of metamorphic, plutonic and sedimentary rocks which separates Proterozoic and Paleozoic sedimentary rocks of the North American miogeocline from Paleozoic and Mesozoic accreted ter-

ranes to the west (Monger *et al.*, 1982). The belt includes portions of allochthonous terranes and the North American Terrane but is mainly comprised of para-autochthonous terranes such as the Kootenay, Barkerville, Nisling, and Yukon-Tanana Terranes (Monger and Berg, 1984). It has a complex metamorphic, structural and intrusive history which records pre-Paleozoic rifting and deformation, Paleozoic rifting, Devonian-Mississippian island arc magmatism, Early-Middle Jurassic to Eocene compression and obduction related to accretion of the Intermontane Superterrane, and Eocene uplift and extension (Monger *et al.*, 1982, Parrish *et al.*, 1988, Parrish, 1995).

The Omineca Belt in southern British Columbia is comprised of Proterozoic metasedimentary rocks of the Windermere and Purcell Supergroups and Proterozoic and Paleozoic metasedimentary rocks of the Kootenay Terrane. The Omineca Belt here also includes several metamorphic core complexes, such as the Shuswap, Monashee, Okanagan and Valhalla complexes.

Eocene extension in southern British Columbia resulted in exhumation of high-grade metamorphic rocks in domal culminations, such as the Shuswap metamorphic complex, which are bounded by low- to moderate-angle, outward-dipping faults including the Okanagan, Adams-North Thompson and Columbia River-Slocan fault systems (Figure 1, Parrish *et al.*, 1988; Johnson, 1994). The Shuswap metamorphic complex has been traditionally understood to include those rocks in the sillimanite zone of regional metamorphism (upper amphibolite facies) as shown on Figure 1 (Okulitch, 1984). Brown and Carr (1990), however, proposed that the term Shuswap complex be used to refer to rocks that lie in the footwall of Eocene extensional faults, which include the Okanagan Valley and Adams-North Thompson faults shown on Figure 1. Johnson (1994) proposed that mylonitized leucogranites of the Pukeashun suite represent the left-stepping "Shuswap Lake transfer zone" which connect the Okanagan- and Adams-North Thompson fault systems.

Granitoid intrusive rocks in the southern Omineca Belt are very common and are mainly Devonian-Mississippian, Early Jurassic, Middle Jurassic, middle Cretaceous and Eocene in age. The Middle Jurassic granitoids range in composition from quartz diorite to tonalite to granite, and are thought to have formed as part of a magmatic arc complex formed during accretion and subduction of allochthonous oceanic terranes (Brandon and Smith,

1994). Mid-Cretaceous intrusions (ca. 100 Ma) are mainly metaluminous to weakly peraluminous hornblende-biotite granites and strongly peraluminous two-mica granites which probably formed by melting of basement gneisses and metapelites in response to crustal thickening (Brandon and Smith, 1994). Trace element plots are indicative of within-plate tectonic settings for inboard intrusions, and volcanic-arc settings for some of the others, such as the Baldy batholith (Logan, this volume).

BALDY BATHOLITH AREA OCCURRENCES

Numerous mid-Cretaceous granitic plutons of the Bayonne suite intrude the Omineca Belt in southern B.C. One of the larger of these is the east-trending Baldy batholith (Figure 1), a multiphase, mid- to Late Cretaceous granitic batholith which intrudes oceanic rocks of the Fennell Formation (Slide Mountain Terrane) and Neoproterozoic to Paleozoic metasedimentary and meta-volcanic rocks of the Eagle Bay Assemblage (Schiarrizza and Preto, 1987), part of the Kootenay Terrane. Radiometric age dating of the batholith has given a range of 99 +/- 5 Ma to 106 +/- 5 Ma by K-Ar methods, and 115.9 +/- 4.6 Ma by U-Pb methods (summarized by Logan, this volume). Mapping by Logan and Mann (2000a) identified two compositionally similar, but texturally distinct granite phases in the western 2/3 of the batholith, a potassium-feldspar megacrystic hornblende-biotite granite to granodiorite and an equigranular biotite monzogranite. The eastern third of the batholith is predominantly a leucocratic biotite-muscovite granite. Biotite-muscovite pegmatite and aplite dikes cut all the phases (Logan this volume).

South of the main Baldy batholith, between East Barriere and Adams Lake, is an irregular body comprised of hornblende porphyry monzodiorite, biotite-hornblende-epidote quartz monzonite, biotite granite and quartz monzodiorite. It has irregular contacts and intrudes Devonian-Mississippian orthogneiss, micaceous quartzite, grit, mica schist, gneissic units containing sillimanite, staurolite, biotite and hornblende assemblages, calc-silicate gneisses and rusty-weathering migmatites (Schiarrizza and Preto, 1987; Logan and Mann, 2000a). The southeastern-most apophysis, named the Honeymoon Bay stock (Logan and Mann, 2000a), is comprised mainly of biotite quartz monzodiorite with sparse potassium feldspar megacrysts. Petrographic work by Logan (this volume) suggests that the Honeymoon stock formed at high pressure (>8 kbars) under fairly oxidizing conditions, based on the mineral assemblage epidote, quartz, plagioclase, potassium feldspar, hornblende, biotite, sphene and magnetite.

Cam-Gloria (Honeymoon)

The Cam-Gloria gold prospect (MINFILE 82M 266) is located three kilometres west of Adams Lake (Figure

1). The property was staked by prospector Camille Berubé in spring, 1997 following his discovery of a large auriferous quartz vein on a logging road (Cathro, 1998; Lett *et. al*, 1998). He was following up a British Columbia government till geochemical release by Bobrowsky *et. al* (1997) which showed two sample sites with 215 and 43 ppb gold values, located approximately 300 metres north-east and 1200 metres east of Cam-Gloria, respectively. Berubé optioned the property to Teck Corporation in early 1999. During the summer, Teck staff completed surface mapping, geophysics and excavator trenching. They also drilled 7 holes totaling 835.9 metres in the fall.

The main quartz vein is up to 7.3 metres in width, but locally pinches out or is missing. It occurs within a 35 to 40 metre wide zone of alteration, quartz veining, quartz breccia and minor fault gouge. This zone strikes for 700 metres northeasterly (025 to 045 degrees) and dips steeply northwest (45 to 70 degrees). Drilling has shown that two to three additional large quartz veins (>1 metre wide) also occur within the zone. Subparallel (possibly sheeted) quartz veinlets up to 10 centimetres wide have been encountered over a width of 20 metres in the footwall of the main vein in one drillhole. A second, parallel alteration zone with a narrow quartz vein has been discovered by trenching in one location about 100 metres northwest of the main zone (Randy Farmer, personal communication, 1999). Weak to moderate, pervasive sericite and clay alteration has affected feldspar and mafic minerals in the host quartz monzodiorite. In addition, some veins have narrow (2-5 cm) biotite and k-spar selvages.

The veins typically contain 1 to 5 percent, coarse-grained sulphides, comprising mainly pyrite and pyrrhotite with traces of galena, chalcopyrite, sphalerite and arsenopyrite (Photo 1). Pegmatitic quartz and plagioclase crystals were noted in the main vein in one of the deeper drill hole intersections. Pale green fluorite is present locally in veins in the footwall of the main vein, as

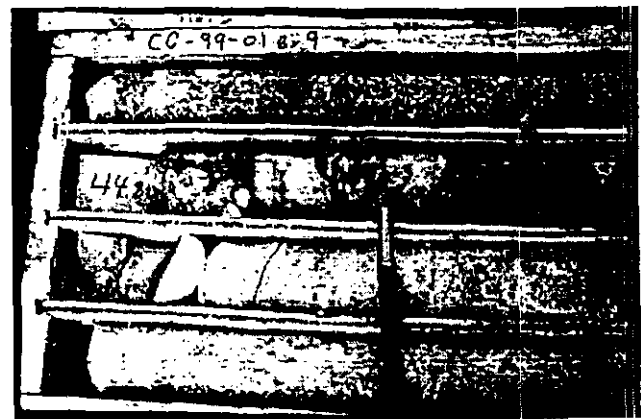


Photo 1 Drill core from Hole CG 99-01, Main vein, Cam-Gloria prospect. The grey and white banded material at 44.8 metres is brecciated quartz and fine grained sulphides at the upper (hangingwall) contact. Coarse-grained white quartz is below and sericitized quartz monzodiorite is above.

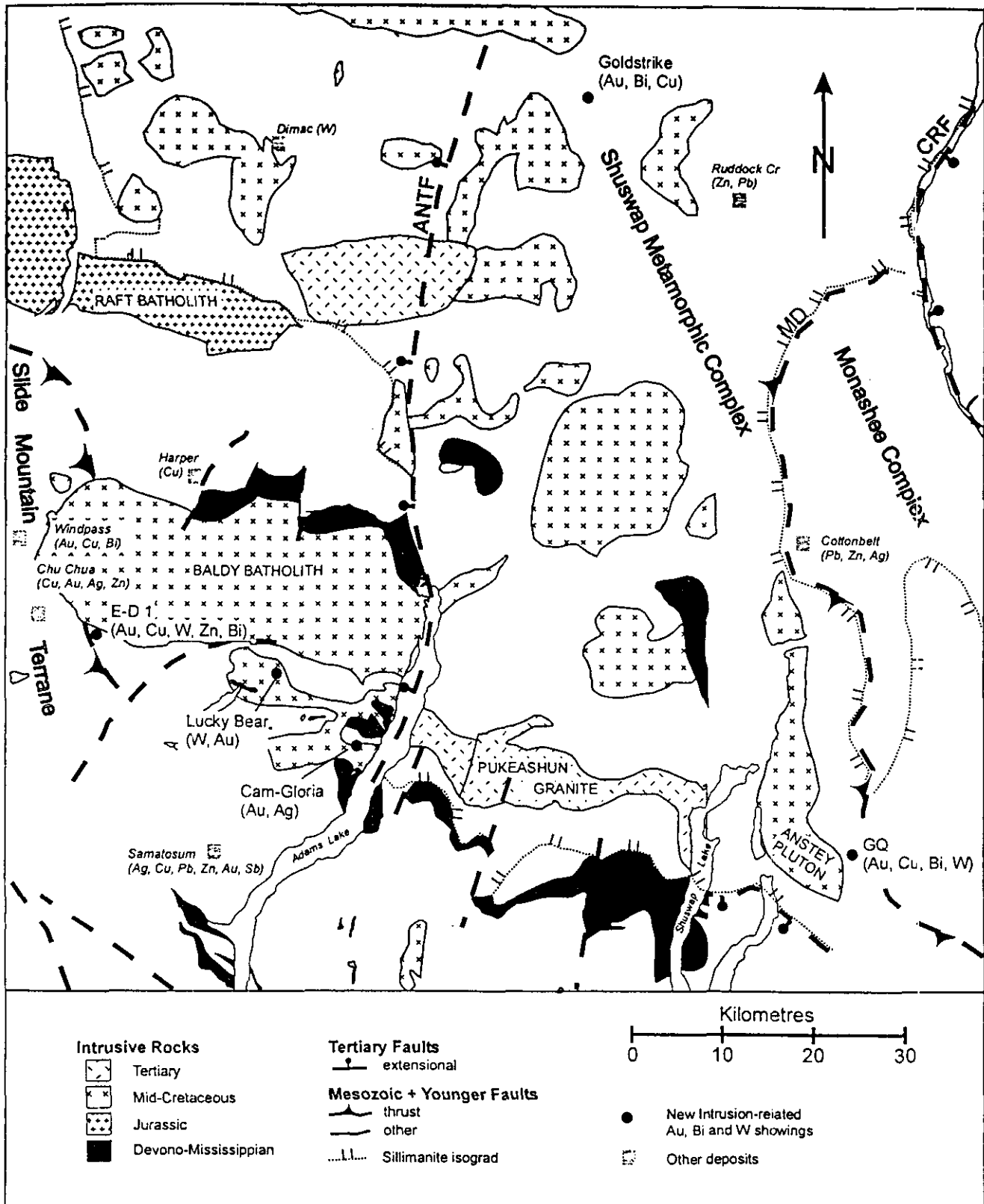


Figure 1. Generalized geology of the Shuswap metamorphic complex and adjacent areas (modified after Wheeler and McFeely, 1991) showing locations of new intrusion-related gold prospects and granitoid intrusions. Adams-North Thompson fault (ANTF), Monashee decollement and Columbia River fault are after Parrish *et al.* (1988) and Johnson (1994). Sillimanite isograd is after Read *et al.* (1991).

TABLE 1
SELECTED GEOCHEMICAL ANALYSES OF GOLD,
BISMUTH AND TUNGSTEN PROSPECTS IN SOUTH CENTRAL BRITISH COLUMBIA

Property	Showing	Sample #	Au	Ag	As	Bi	Co	Cu	Mo	Ni	Pb	Sb	Se	Te	W	Zn	Comments
Cam-Gloria	Main vein	97RL33	1112	8.6	27.4	55	3	113	11.6	5	420	3.7	<0.3	3.5	n/a	27.1	Grab by R. Lett, GSB; Au by INA; qtz with po, py
	Main vein	CAM-1	3748	81.4	87	56	<2	17	<2	<2	191	<5	n/a	n/a	8	18	Grab by T. Høy, GSB; Au by INA; qtz with po, py
	Main vein	C98-093	10	1.2	31	123	76	794	33	36	60	1.8	0.5	4.1	86	20	Grab; qtz with po, py
Lucky Bear	Water Tank	C99-052	<5	0.2	<5	205	14	30	24	23	18	10	n/a	1.2	4368	1515	Grab; float; garnet-bt-trem-qtz skarn with 1% scheelite
	Little Creek	C99-058	20	<0.2	<5	5	7	18	2	7	6	<5	n/a	0.8	<1	237	Chip; 0-2 m; sheeted qtz vns in gd; trace po and scheelite
	Little Creek	C99-060	20	<0.2	<5	<5	6	22	3	6	6	<5	n/a	1.3	8	95	Chip; 2-4 m; sheeted qtz vns in gd; trace po and scheelite
	Little Creek	C99-061	15	<0.2	10	15	8	23	3	9	6	10	n/a	1.8	<1	95	Chip; 4-6 m; sheeted qtz vns in gd; trace po and scheelite
	Little Creek	C99-062	370	<0.2	<5	35	8	22	3	7	8	<5	n/a	2.5	8	87	Chip; 6-8 m; sheeted qtz vns in gd; trace po and scheelite
	Little Creek	C99-063	5	<0.2	5	10	9	25	3	9	8	<5	n/a	1.2	<1	129	Chip; 8-10.25 m; sheeted qtz vns in gd; trace po and scheelite
	Flat Rock	C99-064	10	<0.2	<5	25	1	46	4	3	<2	<5	n/a	0.3	1480	46	Grab; dump; qtz vn with 1-3% po and trace scheelite
E-D 1	Gossan 1	C98-092	3300	6	4	262	63	1146	26	24	<2	1.8	15	3.1	1487	1320	Grab of limonitic po-cpy ma to
	Gossan 1	ED-1	3697	8.7	<5	377	74	1348	2	42	14	5	n/a	n/a	54	55	Grab of limonitic po-cpy ma to by T. Høy; Au by INA
	Gossan 1	M1F	2340	7	<5	260	48	1105	19	17	<2	<5	n/a	n/a	280*	1537	Grab of limonitic po-cpy ma to by R. C. Wells
Goldstrike	#1 (Bizar)	99607	6000	2.2	<2	300	79	4660	5	60	2	<2	n/a	n/a	<10*	24	DDH 99-02, 59.2-59.4 m; 20 cm qtz vn with 2-3% po, 1% cpy, 2% plag, 1% green sericite and trace pink
	#1 (Bizar)	C98-096	11690	2.2	36	769	318	1939	30	292	<2	2	4.8	1.5	62	24	Grab; 5 cm qtz-po-py-cpy vn
	#1 (Bizar)	C98-097	56800	5.4	6	5271	151	3423	13	140	<2	0.6	11.6	11.8	18	16	Grab; 20 cm wide qtz-po-py-cpy vn; concordant with foliation
	#1 (Bizar)	C99-098	570	<0.2	6	70	6	169	2	8	4	0.4	0.4	0.3	<2	8	Grab; micaceous quartzite with trace FeOx on sheeted fractures
	#2	LBR-99-06	110	<0.2	>10000	<2	44	23	10	20	22	24	n/a	n/a	<10*	<2	Grab by L. Lindinger; 25 cm qtz-asy py vn
	#3 (Road)	LBR-99-32	1710	0.6	466	79	28	361	8	54	<2	2	n/a	n/a	<10*	37	Grab by L. Lindinger; float; bt schist with trace-2% qtz, po and cpy
GQ	SW	WP 023R	1580	1.3	3	225	61.1	305	2.4	38.8	n/a	0.1	n/a	11.2	33.6	72	Grab by W. Gruenwald; 10 cm quartz-po-py-cpy vein
	SW	C99-047	5	<0.2	<5	20	18	44	<1	25	16	<5	n/a	1.7	<20	42	Grab; po-bearing qtz-bt schist
	SW	C99-048	1730	1.8	<5	235	50	389	7	24	40	<5	n/a	5.7	<20	45	Grab; 10 cm qtz-po-py-cpy vn
	SE	WP 025R	115	1.85	<1	11.2	126	992	2.8	43.4	n/a	0.1	n/a	1.35	288	106	Grab by W. Gruenwald; qtz-calc-silicate-po vnlens adjacent to
	SE	WP 029R	6	<0.2	<1	<2	36	390	3	26	n/a	n/a	n/a	<0.5	1210	90	Grab by W. Gruenwald; calc silicate-po vnlens adjacent to pegmatite
	SE	C99-045	15	8.4	5	10	13	47	2	22	34	30	n/a	0.3	<20	35	Grab; po-bearing qtz-bt schist
	SE	C99-058	15	<0.2	<5	<5	16	57	17	33	<2	<5	n/a	1.2	37	340	Grab; 10 cm qtz-po layer at contact between pegmatite and gneiss
	NE	WP 032R	1250	2.1	1	91.2	47.4	510	3.4	33.8	n/a	0.2	n/a	7.25	251	126	Grab by W. Gruenwald; 30 cm po-py-qtz vein/lens
	NE	C99-046	1150	4.2	<5	45	73	734	14	45	12	<5	n/a	6.2	70	40	Grab; 30 cm po-py-qtz vein/lens

located some 100 to 200 metres east of the Cam-Gloria discovery outcrop. Limited sampling suggests that the latter are apparently gold-poor, although they do contain locally anomalous Bi (to 1380 ppm), Cu (1198 ppm) and W (48 ppm). In addition, float boulders of garnet-pyroxene skarn with traces of pyrrhotite and weakly anomalous Cu and W values have been found on the road about 750 metres northeast of the Main vein.

Surface grab samples of the main vein have returned gold values varying between trace amounts up to 26.66 g/t (Table 1, Camille Berubé, personal communication, 1997). The vein is also moderately anomalous in Ag, Bi, Cu, and Pb and weakly anomalous in As, Mo, Sb, Te, and W. The gold content is highly erratic, but higher values appear to be associated with galena, fine-grained, bluish-grey sulphides, and local, discordant gouge or brecciated zones. The assay results of the drilling program have not been released by Teck Corporation.

Lucky Bear

Prospecting by Camille Berubé and Dave and Len Piggan has located several new small W-Bi-Zn, W and W-Au showings on the Lucky Bear claim group (Figure 1) near East and North Barriere Lakes. The showings occur about seven kilometres northwest of Teck's Cam-Gloria showing, and are within, or adjacent, to the mid-Cretaceous Baldy batholith.

The "Little Creek" W-Au showing (Figure 1, UTM 11 0314393E 5688542N) is hosted by sericite- and biotite-altered granodiorite. Steeply dipping, north-trending, sheeted quartz veinlets range up to 10 centimetres in width in a 10 metre-wide blasted roadcut exposure (Photo 2). The veinlets contain minor sericite and pyrrhotite. Ultraviolet lamping has identified scheelite grains up to 1.5 centimetres long which occur in scattered patches in the veins, and selected samples collected by the owners have returned up to 6.15 % W (D. and L. Piggan, written communication, 1999). One chip sample by the senior author contained 370 ppb Au over 2 metres;



Photo 2. Sheeted quartz-sericite-pyrrhotite-scheelite veinlets in mid-Cretaceous granodiorite, "Little Creek" showing, Lucky Bear claims.

(Table 1).

Approximately 500 metres to the east at the "Flat Rock" W showing is an irregular, half-metre-wide quartz vein with 1-3% pyrrhotite and traces of chalcopyrite and scheelite. The vein is hosted by quartz-feldspar-biotite gneiss, part of the Devonian Orthogneiss (Schiarizza and Preto, 1987). A grab sample of the vein taken by the author ran 1480 ppm W and selected samples taken by the owners ran up to 0.39% W, 80 ppb Au, and 135 ppm Bi (L. and D. Piggan, written communication, 1999).

Scheelite-bearing pegmatite and garnet-tremolite-biotite-quartz skarn boulders ranging from 30 centimetres to 1 metre in diameter are found 2 kilometres to the northeast of the Little Creek showing in the "Water Tank" area (UTM 11 0314806E 5690793N). A grab sample of one of the skarn float boulders returned 0.437 % W, 205 ppm Bi and 1515 ppm Zn (Table 1). Although this mineralization has not yet been found in out-

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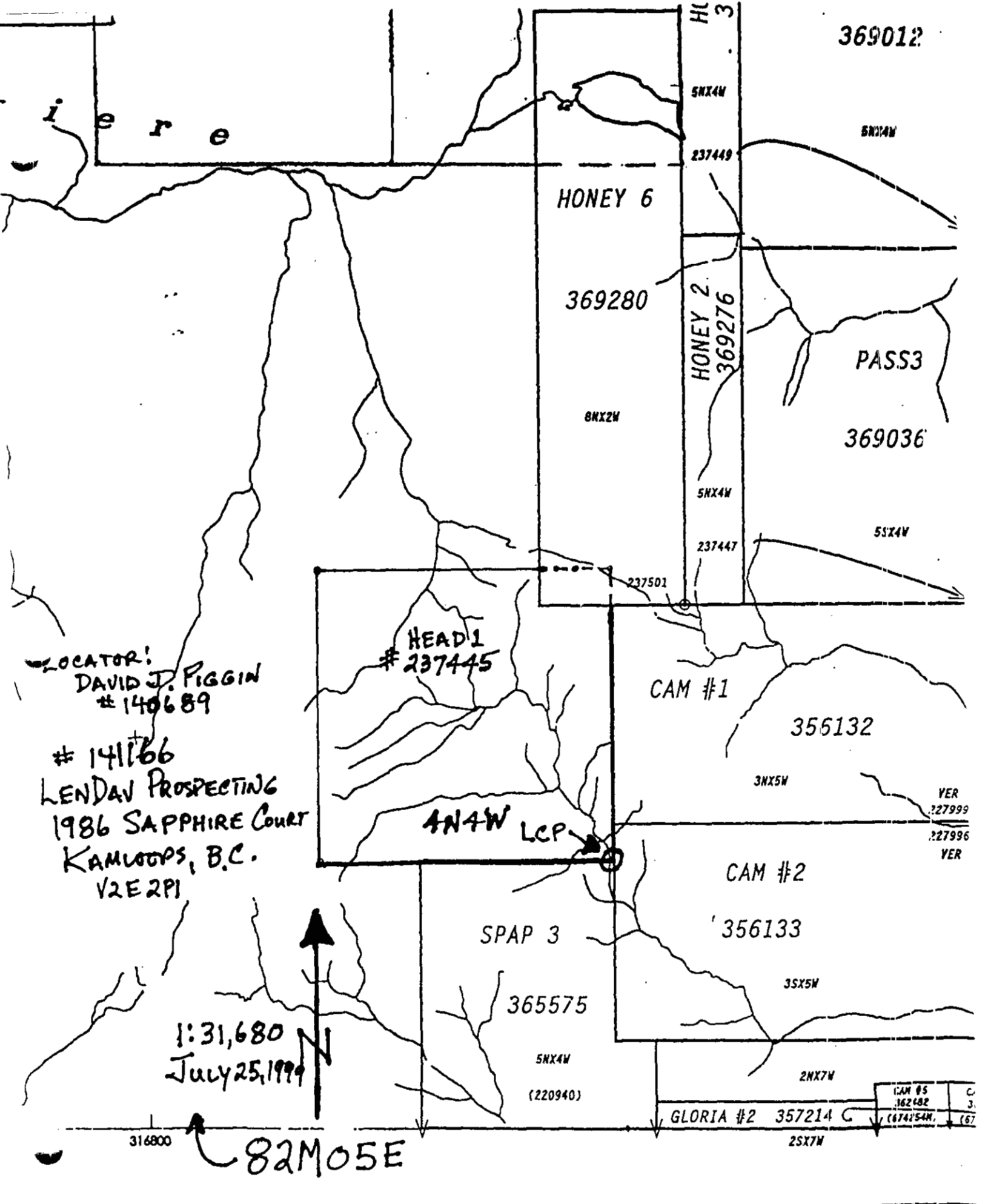
- 1 KEG Field trip - Rae Gold
- 2 Gold Panning field trip with Camille Berube, Dave and Len's Children
- 3 KEG field trip - Siwash (Len third from left)
- 4-6 Zone B-3 - Head 1 Claims - Bug Flats and Blueberry Lane
- 7-8 Zone B-3 - Head 1 Claims - Access road to .1 Km from Bug Flats location for samples LD00R116 to LD00R118
- 9 Zone A - East of Lucky Bear #15 - Quartz Breccia sample location LD00R138
- 10-14 Zone B-3 - Head 1 Claims - Blueberry Lane just before cut block shown in pictures #4-6
- 10 Zone B-3 - VMS Rock - Sample LD00R81 Au-5 ppb, Ag .8 ppm, Co 54 ppm, Cu 499 ppm, Mo 9 ppm.
- 11 Zone B-3 - This picture shows how we mark our sample locations VMS Rock - Sample LD00R82
- 12 Zone B-3 - Sample location LD00R81 in the foreground right side, LD00R82 ribbon in the middle of picture
- 13 Closeup of sample location LD00R82
- 14 Closeup of sample location LD00R84. Au 5 ppb, Ba 550 ppm, Bi 5 ppm, Fe 4.28%.
- 15 One of our two over night camping trips. We stayed at East Barrier Lake Forestry Campground
- 16-18 Zone A - Lucky Bear #14 - sample location LD00R126
- 19 Zone A - Lucky Bear #17 Claim - Samples LD00R121 - LD00R125 taken just below this old cut block
- 20 Zone A - Lucky Bear #17 Claims - sample location LD00R121
- 21 Zone A - Lucky Bear #17 Claims - sample location LD00M124 - Dave among the Devils Club
- 22 Zone A - East of Lucky Bear #15 - Sample location LD00T60 taken from bank right side of photo and sample LD00M62 taken in creek to the right of the culvert post
- 23 Zone A - East of Lucky Bear #15 - Red Soil sample location LD00T60
- 24 Zone A - East of Lucky Bear #15 - Typical soil color
- 25 Zone A-1 Lucky Bear #18 - Typical till survey pit LD00T87 to LD00T112 as suggest by Mike Cathro
- 26 Zone B-1 - Spap #2&4 - Len holding samples from Adams Lake West Road 41.3Km
- 27-30 Zone B-1 - Spap #2 - Typical vegetation encountered.
- 28 Zone B-1 - Spap #2 - Sample LD00M39 was taken from Quartz vein 209M up the creek
Creek flows over top of Quartz Vein
- 31 Zone A-1 - Lucky Bear #18 - Little Creek before the blast

Picture

No.

Description

- | | |
|----|--|
| 32 | Zone A-1 - Lucky Bear #18 - Little Creek checking the explosives |
| 33 | Zone A-1 - Lucky Bear #18 - Little Creek after the blast |
| 34 | Zone A-1 - Lucky Bear #18 - Little Creek after the blast. Dave showing location of samples LD00R127,LD00R128 |
| 35 | Zone A-1 - Lucky Bear #18 - Little Creek after the blast. Close up of sample locations LD00R127,LD00R129. |



369012

HONEY 6

369280

PASS 3

369036

HEAD 1
237445

CAM #1

355132

4N4W LCP

CAM #2

356133

SPAP 3

365575

GLORIA #2 357214 G

LOCATOR:
DAVID J. FIGGIN
140689

141166
LENDAY PROSPECTING
1986 SAPPHIRE COURT
KAMLOOPS, B.C.
V2E2P1

1:31,680
July 25, 1999

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VER
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CAM #5	C.
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Tenures with Claim Name = Head1:

There was 1 result.

Tenure Number	Claim Name	Owner Number	Map Number	Work Recorded To	Status	Mining Division	Units	Tag Number
370430	HEAD1	141166 100%	082M05E	20010725	Good Standing 20010725	8 Kamloops	16	237445

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Tenures with Claim Name = Spap:

There were 3 results.

Tenure Number	Claim Name	Owner Number	Map Number	Work Recorded To	Status	Mining Division	Units	Tag Number
365574	SPAP 2	141166 100%	082M04E	20010725	Good Standing 20010725	8 Kamloops	20	220941
365575	SPAP 3	141166 100%	082M04E	20010725	Good Standing 20010725	8 Kamloops	20	220940
364752	SPAP4	141166 100%	082M04E	20010725	Good Standing 20010725	8 Kamloops	20	220939

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Prospectors Training and Experience

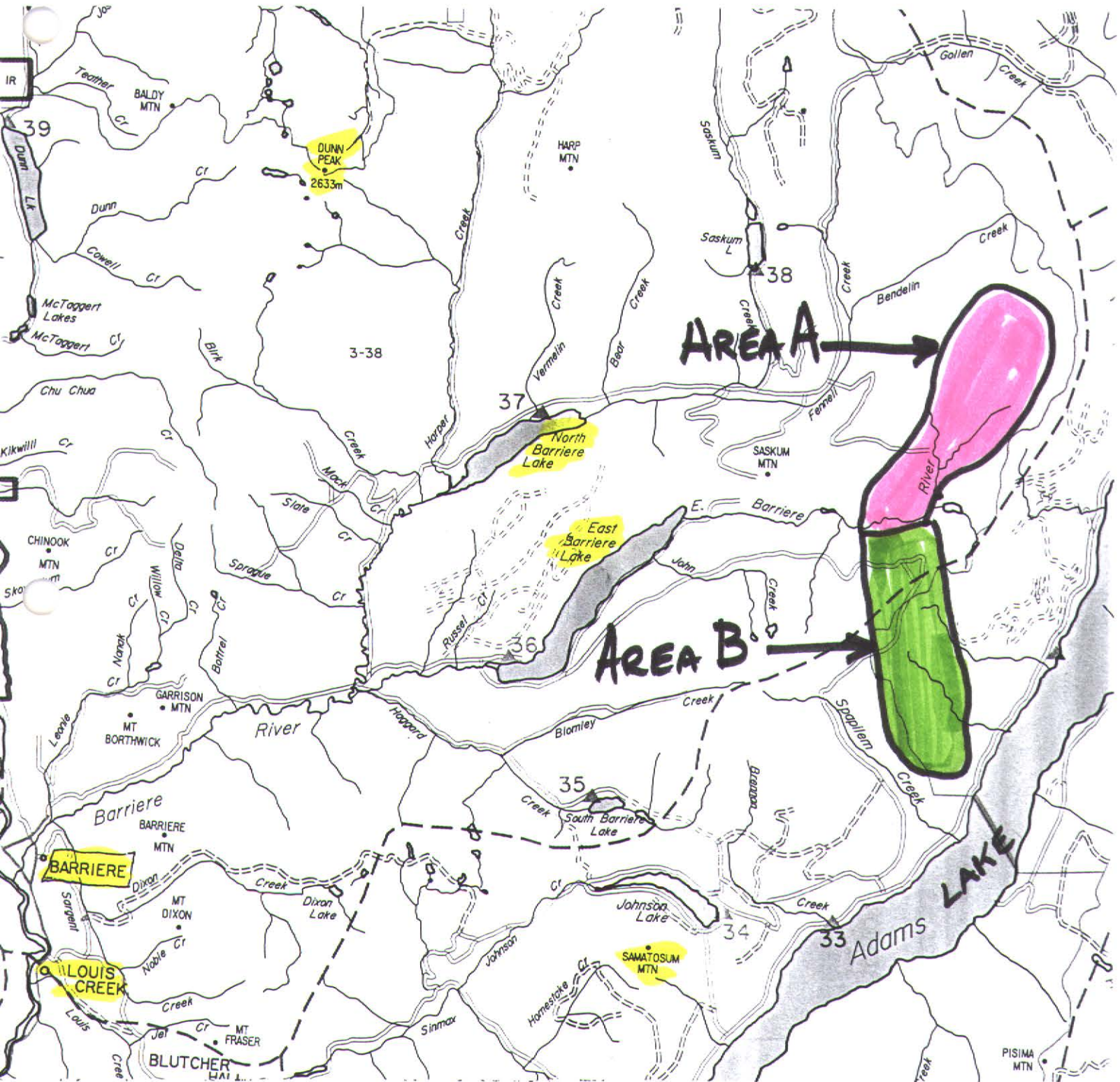
Leonard P. Piggin, Free Miner # 121423

- Director of the Kamloops Exploration Group (KEG) 1999/2000, member of BCYC of Mines
- Three years experience as prospector, started in 1998, Prospectors Assistance Grant 2000/2001 #P73,
- Twenty years experience fishing and hunting in the Kamloops area
- Diploma in Business Administration from U. C. C. (2 year program)
- Completed Canadian Securities Course 1982, and currently working on Certified Financial Planners Courses, currently working on the Certified Risk Managers Course (University of Toronto).
- Marketed the Cam/Gloria Claims for Camille Berube to Teck Corporation (MINFILE # 082M-266)
- Assisted David J. Piggin in the completion of his Prospectors Grant 98/99 P94.
- Prospecting Course - UCC Fall 1997 put on by the Kamloops Exploration Group
- KEG Workshop April 1998 in Kamloops, including the field trip to Tranquille River. Attended KEG Workshop June 2000 Samatosum Mtn and September 2000 at Siwash Property (Fairfield Minerals)
- Till Sampling Workshop - September 25, 1998 sponsored by KEG and G.S. Branch
- Geophysics Workshop - November 24, 1998 Dr. Jennifer Levett, Placer Dome; KEG workshop
- Attended the January 1999 and January 2000 Exploration Roundup in Vancouver BCYCM. Had a prospectors booth for the Cam/Gloria Claims, NORTH Claims, LUCKY BEAR Claims, SPAP/HEAD Claims and boldly marketed the property to all attendees. Attended technical sessions.
- Attended the KEG Workshop in April 1998, 1999, 2000. Attended the Intrusive Gold Deposit Workshop 1999.
- Level II Industrial First Aid Ticket

David J. Piggin, Free Miner # 140689

- Member of the Kamloops Exploration Group and the BCYC of Mines.
- 27 years experience in field work as Forest Technician and Registered Professional Forester, with extensive field knowledge of the Kamloops mining area
- 27 years experience implementing and administering field surveys to a scientific standard
- Three years experience as prospector starting in 1998
- Successfully completed Prospectors Grant 98/99 P94, and worked with Len on Grant 2000/2001 #P73
- Marketed the Cam/Gloria Claims for Camille Berube to Teck Corporation (MINFILE 082M0-266)
- Prospecting Course - UCC Fall 1997 put on by the Kamloops Exploration Group
- Attended KEG Workshop April 1998, April 1999, April 2000 in Kamloops
- Till Sampling Workshop - September 25, 1998 sponsored by KEG and Geological Survey Branch
- Geophysics Workshop - November 24, 1998 Dr. Jennifer Levett, Placer Dome; KEG workshop
- Attended the January 1999 and January 2000 Exploration Roundup in Vancouver. Had a prospector's booth for the Cam/Gloria Claims, NORTH Claims, LUCKY BEAR Claims, SPAP/HEAD Claims and boldly marketed the property to all attendees. Attended technical sessions.
- Attended the Tranquille field trip, Afton Mines field trip, and the Intrusive Gold Deposit Workshop. Total training 3 days. Attended the KEG workshops at Samatosum Mtn (June 2000), and Siwash/Big Kid September 2000.
- Advanced Courses in Forest Surveying, Forest Hydrology, Forest Soils, Forest Roads and Transportation, Forest Mensuration, Photogrammetry, Biometry and Statistics, Calculus, Linear Algebra, Physics. These courses are related to prospecting and exploration.
- Certified Fire Boss B on Wildfires
- Occupational First Aid Level #1 (WCB) with Transportation Endorsement

OVERVIEW MAP - PROSPECTORS ASSISTANCE GRANT # 2000/2001 P 73



LEN PIGGIN
1:220,000
NOV 13, 2000

6.C.

PROSPECTORS ASSISTANCE PROGRAM: 2000/2001 P73 - LEONARD P. PIGGIN # 121423

AREA	ICP	Au	Ag	As	Ba	Bi	Ca	Co	Cu	Fe	Ga	Mn	Mo	Ni	Pb	Sb	Zn
		ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
B1	LD00M29	<5	<0.2	<2	150	2	0.55	11	25	2.32	<10	610	2	27	16	<2	58
B1	LD00M30	40	<0.2	2	170	<2	0.76	9	30	1.99	<10	540	5	28	16	<2	56
B1	LD00R35	<5	<0.2	<5	30	15	3.25	24	32	4.84	na	879	5	41	16	5	75
B1	LD00R32	<5	<.2	<5	615	20	3.2	33	36	5.18	na	588	<1	77	26	20	56
B1	LD00M37	<5	<0.2	4	120	<2	0.63	11	32	1.83	<10	510	2	27	12	2	48
B1	LD00M44	<5	<0.2	2	170	<2	0.93	8	27	1.68	<10	620	1	33	12	<2	56
B1	LD00M45	<5	<0.2	2	260	<2	1.98	6	305	1.32	<10	390	3	21	10	<2	28
B1	LD00T47	5	<0.2	<5	75	<5	0.20	7	83	1.44	na	126	<1	6	4	<5	<1
B1	LD00T46	10	<0.2	<5	90	<5	0.21	8	66	1.66	na	145	<1	7	6	5	<1
B2	LD00M25	<5	1.8	10	1680	8	1.2	17	9	11.05	40	>10000	1	17	22	4	98
B3	LD00M119	<5	<0.2	2	210	<2	0.95	10	50	1.37	<10	2740	1	7	8	8	54
B3	LD00M51	5	<0.2	<2	180	<2	0.53	8	25	1.49	<10	2620	1	10	6	<2	74
B3	LD00R81	5	0.8	<5	45	<5	0.14	54	499	>10	na	188	9	8	28	<5	152
B3	LD00R83	15	2.0	<5	70	3625	0.02	58	1205	>10	na	109	20	8	34	<5	12
B3	LD00R84	5	<0.2	<5	550	45	1.45	22	49	4.28	na	743	<1	43	10	5	62

6.D.

Area B1

3. Technical Report

AREA B

Area B covers the SPAP and Head Claims. This area is located at the contact of the mid-Cretaceous Baldy Batholith, the Devonian Orthogneiss, and the Eagle Bay Assemblage (EBG). Near these contacts the Cam-Gloria showing (MINFILE 82M-266) was recently discovered. The SPAP and HEAD claims cover the west and south boundary of the Cam-Gloria Claim group. The Cam-Gloria was mentioned in the publication by James Logan, David Lefebure, Michael Cathro titled "Plutonic-Related Gold-Quartz Veins and their potential in British Columbia".

Three anomalous areas were found in Area B Head 1 & Spap. We took 29 Moss Mat samples, 14 Rock samples, 2 Till samples and no Stream Sediment samples.

Zone-B 1 is on strike with the Cam-Gloria. This as an area of interest as anomalous Cu results were found by us in 1999 in this zone. We would like to carry out trenching in this area in 2001.

Zone B-2 turned up one anomalous moss mat sample #LD00M25
Ag 1.8 ppm, As 10 ppm, Ba 1380ppm, Bi 8 ppm, Co 17 ppm,
Fe 11.05%, **Ga 40 ppm**, Pb 22 ppm, Sb 4 ppm and Zn 98 ppm.
The unusual mineral in this assay is the Gallium.

Zone B-3 was found late in our prospecting season. We found several VMS rocks that Teck Corp. assayed for us on Blueberry Lane as follows:

LD00R81: Au – 5 ppb, Ag 0.8 ppm, Cu 499 ppm, Mo 9 ppm.

LD00R83: Au – 15 ppb, Ag 2.0 ppm, Bi 3625 ppm, Cu 1205 ppm, Mo 20ppm.

In addition to this just down slope from 81 and 83, LD00M119 assayed had anomolous Cu at 50 ppm. These results make this an interesting prospect, and trenching and sampling will be done in this area in 2001.

6E

Capsule Geology and Bibliography Report

082M 127 NSP

Commodities: CU
Latitude/Longitude: 51 17 20 N 119 37 14 W
Mining Division: Kamloops
NTS: 082M05E
UTM: 11 5685213 N 317275 E
STATUS: Showing

The area is underlain by probable Lower Cambrian to Hadrynian age Spapilem Creek-Deadfall Creek Succession (unit SDQ Map 56). The rocks consist of quartzite, micaceous quartzite, grit and phyllite, with lesser staurolite-garnet-mica schist, calc- silicate schist and amphibolite. These rocks are cut by Late Devonian orthogneiss (unit Dgn). To the north the rocks are cut by post-tectonic granitic rocks of the Mid-Cretaceous Baldy Batholith. Chalcopyrite occurs as disseminations and in thin quartz stringers parallel to the foliation in quartz-biotite gneiss.

EMPR GEM 1972-89; 1973-115,116
GSC OF 637
EMPR MAP 56
GSC MAP 48-1963

*This Database Last Updated: August 1997 .
For more information on MINFILE
To obtain MINFILE/PC or dataset (no charge)
British Columbia Geological Survey Branch
B.C. Ministry of Energy and Mines*

Ministry of Energy and Mines

MINFILE Capsule Geology and Bibliography

[MINFILE Home page](#)

[Main Search Menu](#)

[Back to Search Results](#)

[ARIS Home page](#)

Capsule Geology and Bibliography

Previous Hit

Next Hit

082M 266

Name	CAM-GLORIA	Mining Division	Kamloops
Status	Showing	NTS	082M04E NAD 27
Latitude Longitude	51 15 00 N 119 32 56 W	UTM	11 5680495 322115
Commodities	Gold Silver Lead Copper Bismuth	Deposit Types	105 : Polymetallic veins Ag-Pb-Zn±Au. 102 : Intrusion-related Au pyrrhotite veins.
Tectonic Belt	Omineca	Terranes	Kootenay.

Capsule Geology	<p>Follow up on anomalous samples from the 1997 Geological Survey Branch's till geochemistry survey release, led to the Cam-Gloria discovery, by Camille Berube in 1998. A large, rusty, auriferous quartz vein contains pyrite, galena and chalcopyrite. The vein, which is up to 10 metres wide and 200 metres in length, is hosted by Cretaceous monzonite of the Baldy Batholith near its contact with gneissic metasediments of the Eagle Bay Assemblage.</p> <p>Grab samples taken by BC geologists assayed up to 3.754 grams per tonne gold and 61.4 grams per tonne silver. Samples collected by C. Berube assayed up to 27.4 grams per tonne gold (Exploration in BC 1997, page 40). The vein also contains anomalous values of bismuth (to 120 ppm), copper (to 794 ppm), lead (to 534 ppm), molybdenum (to 33 ppm), tellurium (to 4.1 ppm) and tungsten (to 86 ppm), and weakly anomalous arsenic (to 35 ppm) (Mike Cathro, personal communication, 1998). Trenching, drilling (7 holes, 836 metres), mapping, prospecting and VLF geophysics were conducted in 1999 by Teck Corporation.</p> <p>Quartz veins and alterations were traced over a strike length of 700 metres and a width of 40 metres.</p>
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Bibliography	<p>EM EXPL *1997, p. 40 EM FIELDWORK *1999, pp. 209-210 EM INF CIRC 2000-1, pp. 14, 19 EM OF 1997-9 EMPR OF 1999-3</p>
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Database last posted: October 31, 2000

Go to: [Main Search Menu](#), [MINFILE Name/No. Search](#), [Commodity/Status/NTS Search](#), [Deposit Type Search](#), [Tectonic Belt/Terrane/Latitude/Longitude Search](#)

[MINFILE Home page](#)

Capsule Geology and Bibliography Report

082M 127 NSP

Commodities: CU

Latitude/Longitude: 51 17 20 N 119 37 14 W

Mining Division: Kamloops

NTS: 082M05E

UTM: 11 5685213 N 317275 E

STATUS: Showing

The area is underlain by probable Lower Cambrian to Hadrynian age Spapilem Creek-Deadfall Creek Succession (unit SDQ Map 56). The rocks consist of quartzite, micaceous quartzite, grit and phyllite, with lesser staurolite-garnet-mica schist, calc- silicate schist and amphibolite. These rocks are cut by Late Devonian orthogneiss (unit Dgn). To the north the rocks are cut by post-tectonic granitic rocks of the Mid-Cretaceous Baldy Batholith. Chalcopyrite occurs as disseminations and in thin quartz stringers parallel to the foliation in quartz-biotite gneiss.

EMPR GEM 1972-89; 1973-115,116

GSC OF 637

EMPR MAP 56

GSC MAP 48-1963

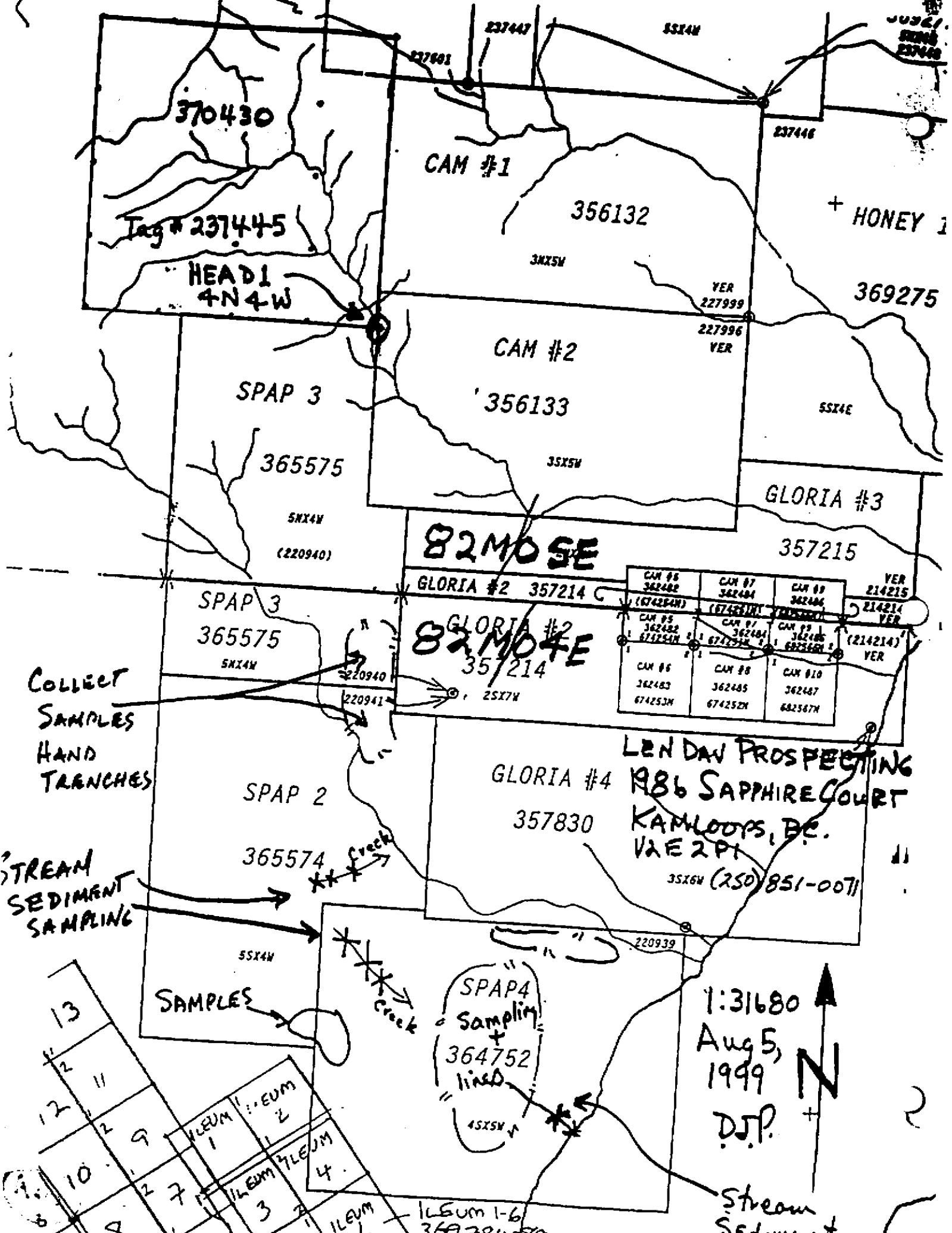
This Database Last Updated: August 1997 .

For more information on MINFILE

To obtain MINFILE/PC or dataset (no charge)

British Columbia Geological Survey Branch

B.C. Ministry of Energy and Mines



370430

Tag # 237445

HEAD 1
4N4W

CAM #1

356132

3NX5W

VER
227999

+ HONEY 1

369275

CAM #2

356133

3SX5W

227996
VER

SSX4E

SPAP 3

365575

SNX4W

(220940)

GLORIA #3

357215

82 MOSE

GLORIA #2 357214 G

82 MOSE
GLORIA #2
357214
25X7W

CAM #5 362482 (674254W)	CAM #7 362484 (674254W)	CAM #9 362486 (674254W)	VER 214215
CAM #5 362482 674254W	CAM #7 362484 674254W	CAM #9 362486 674254W	(214214) VER
CAM #6 362483 674253W	CAM #8 362485 674252W	CAM #10 362487 682567W	

COLLECT
SAMPLES
HAND
TRENCHES

STREAM
SEDIMENT
SAMPLING

SPAP 3

365575

SNX4W

SPAP 2

365574

SSX4W

SAMPLES

GLORIA #4

357830

LEN DAN PROSPECTING
986 SAPPHIRE COURT
KAMLOOPS, B.C.
V1E 2P1

35X6W (250) 851-0071

SPAP 4
Sampling
364752
lined

4SX5W

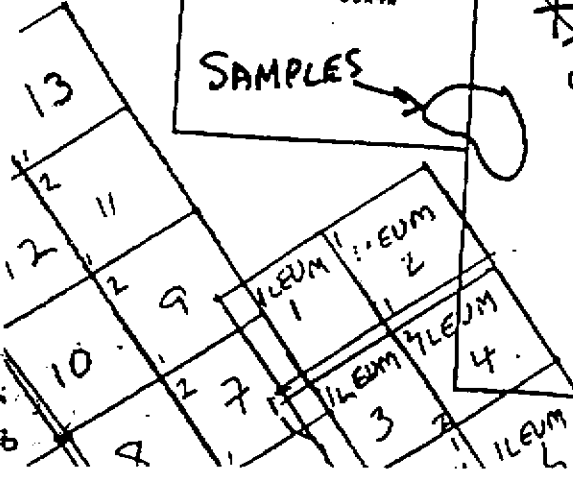
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Aug 5,
1999

DJP.



Stream
Sediment



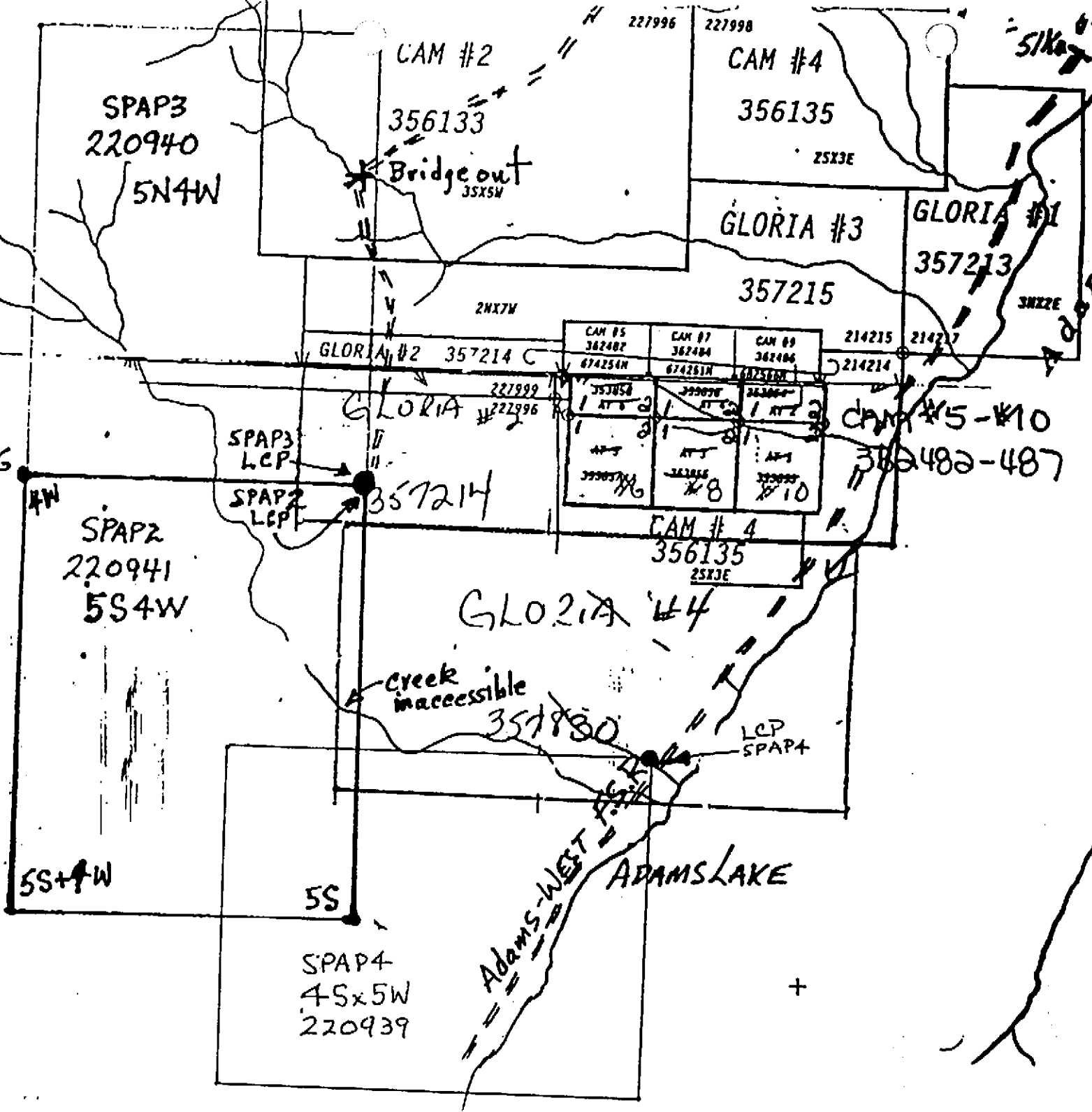
LEUM 1-6
36972470

82M05E
82M04E

LENDAY PROSPECTING
#141166
LOCATOR: LEN PIGGIN
#121423

Sept 17, 1998
1:31680 N
D.J.P.
KAMLOOPS
MINING
DIVISION

SPAP CLAIM



D. TECHNICAL REPORT

- One technical report to be completed for each project area.
- Refer to Program Regulations 15 to 17, pages 6 and 7.



Information on this form is confidential subject to the provisions of the Freedom of Information Act.

SUMMARY OF RESULTS

- This summary section must be filled out by all grantees, one for each project area

Name LEONARD PIGGIN Reference Number 2000/2001 P73

LOCATION/COMMODITIES

Project Area (as listed in Part A) HEAD 1, SPAP MINFILE No. if applicable N/A

Location of Project Area NTS 11.0319949E 5378550N Lat 51.13'54"N Long 119.34'44"W

Description of Location and Access Leaving Louis Creek travelling Easterly along the Agate Bay Road turn left at Indian Bay. Spap claims start at 46.9 KM and Head 1 at 51.2 KM on the Adams West Service Rd.

Prospecting Assistants(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6) Forest DAVID PIGGIN SEE TAB 6.B.

Main Commodities Searched For Au, Ag, Cu, Mo, Ni, Pb, Zn

Known Mineral Occurrences in Project Area CAM/GLORIA SEE TAB 6.F. 082M266

WORK PERFORMED

1. Conventional Prospecting (area) 650
2. Geological Mapping (hectares/scale) NIL
3. Geochemical (type and no. of samples) 50
4. Geophysical (type and line km) NIL
5. Physical Work (type and amount) 3 SOIL PITS 1/2 M X 1 M X 1 M
6. Drilling (no. holes, size, depth in m, total m) NIL
7. Other (specify) _____

Best Discovery

Project/Claim Name AREA "B" HEAD 1, SPAP Commodities Au, Ag, As, Ba, Bi, Ca, Co, Fe,

Location (show on map) Lat. _____ Long _____ Elevation Co, Ni, Pb, Sb, Zn

Best assay/sample type SAMPLE LDOOM25, LDOOM30, LDOOR83, LDOOR81
SEE TAB 6.D.

Description of mineralization, host rocks, anomalies Located at the contact between the Baldy Batholith [KG] + the late Devonian orthogneiss unit [Dgnp] which also includes sillimanite bearing paragneiss.

FEEDBACK: comments and suggestions for Prospector Assistance Program _____

D. TECHNICAL REPORT (continued)
REPORT ON RESULTS

- Those submitting a copy of an Assessment Report or a report of similar quality that covers all the key elements listed below are not required to fill out this section.
- Refer to Program Regulation 17D on page 6 for details before filling this section out (use extra pages if necessary)
- Supporting data must be submitted with the following TECHNICAL REPORT or any report accepted in lieu of.

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act*.

Name LEONARD PIGGIN Reference Number 2000/2001 P73

1. LOCATION OF PROJECT AREA [Outline clearly on accompanying maps of appropriate scale.]

SEE TAB 6.C.

2. PROGRAM OBJECTIVE [Include original exploration target.]

This was not included in our original project area but was added after we met with Michael Cathro on August 16, 2000

3. PROSPECTING RESULTS [Describe areas prospected and significant outcrops/float encountered. Mineralization must be described in terms of specific minerals and how they occur. These details must be shown on accompanying map(s) of appropriate scale; prospecting traverses should be clearly marked.]

SEE TAB 6.D, 6.E, 6.F.

PROSPECTORS ASSISTANCE PROGRAM # 2000/2001 P73

UNIT A

UNIT B

ADAMS LAKE

M- MOSSMAT
 T- TILL
 R- ROCK
 S- STREAM SED.
 ● - SAMPLE LOCATION

