

PACKERSBACK Target Evaluation Proposal
By Dave Bennett

The Packersback Quartz Claims situated west of Crooked Creek on NTS map sheet 115P/01 were staked by G Richards with the assistance of the applicant in the summer of 1999 on an occurrence of deeply leached, crackled and silicified brecciated metamorphics. Till samples collected in the area were shown to be anomalous for gold and the pathfinder elements As and Sb with some associated Ag. This work was conducted under a YMIP grassroots prospecting program awarded to G Richards. The grant numbers are YC01859 – YC01878 inclusive situated in Mayo Mining Division. Coordinates are 63 08' N Latitude and 136 20' W Longitude. See Figures 1 and 2.

Access to the claims is best made by helicopter from Mayo. A seven-km traverse from the Klondike Highway also is possible.

The target is an epithermal or mesothermal gold deposit like the wide variety of mineralization styles described for various gold systems in the Tintina Gold Belt.

Figure 3 shows the sample locations and Au-As-Sb results of the 1999-prospecting program in the area. A complete set of geochemical results is attached. Discussion of important features follows.

- Numerous till samples are anomalous for gold (>5ppb), many of which are also anomalous for As (89ppm) and Sb (>5ppm).
- Silicified, brecciated and leached float was found at N2, N4, W5, W6, W8, W11 and W24.
- Two samples are strongly anomalous for all three elements. They are silt sample W26 (25Au,86As,8Sb) and till sample W52 (90Au,92As,10Sb).
- Many of the anomalous till samples could be the result of glacial smearing from sources near these two sample sites.
- The anomalous till samples could also be related to widely dispersed weak mineralization leaking from a source at depth.
- Valley style Reid Glaciation covered all but the highest elevations above about 3200-ft. where pre-Reid Glaciation left tills now somewhat mixed with loess, downslope creep and freeze-thaw mixing. The Reid tills are somewhat more identifiable as tills. Glacial history is important in interpreting the geochemical patterns.
- Aeromag response in the area is featureless. Nearest known intrusion is a quartz monzonite with a low mag profile indicative of reduced granites. The eastern contact of this intrusion lies about 4 km west of the property.
- The RGS stream sediment sample collected in the major drainage immediately north of the property contained 8ppm Sn and 4ppm W which are good element associations for Tintina Gold Belt gold systems.
- New geochemical data is presented on Chemex Labs certificate A0011649. Nine of the anomalous samples on Figure 3, two rocks and seven tills were analyzed by mass spectrometry to test for other anomalous elements due to the lower detection levels for many elements. No anomalous elements other than Au-As-Sb were identified, particularly W, Te, Bi, which could indicate that if a gold system was present it would fit a distal or high level model of formation.

Work proposed is additional till sampling along lines perpendicular to the claim lines that will be used for base line control. Sample interval will be 100 m along lines spaced 150 m apart. All outcrops will be mapped and sampled if warranted. Stratigraphy will be compared to that by Colpron to the south on 105L/13 (YEGS 1999). Potential for massive sulphide mineralization will also be monitored as the stream sampled by W26 was highly anomalous for base metals where the RGS sample was collected at the base of slope. About 300 samples will be collected.

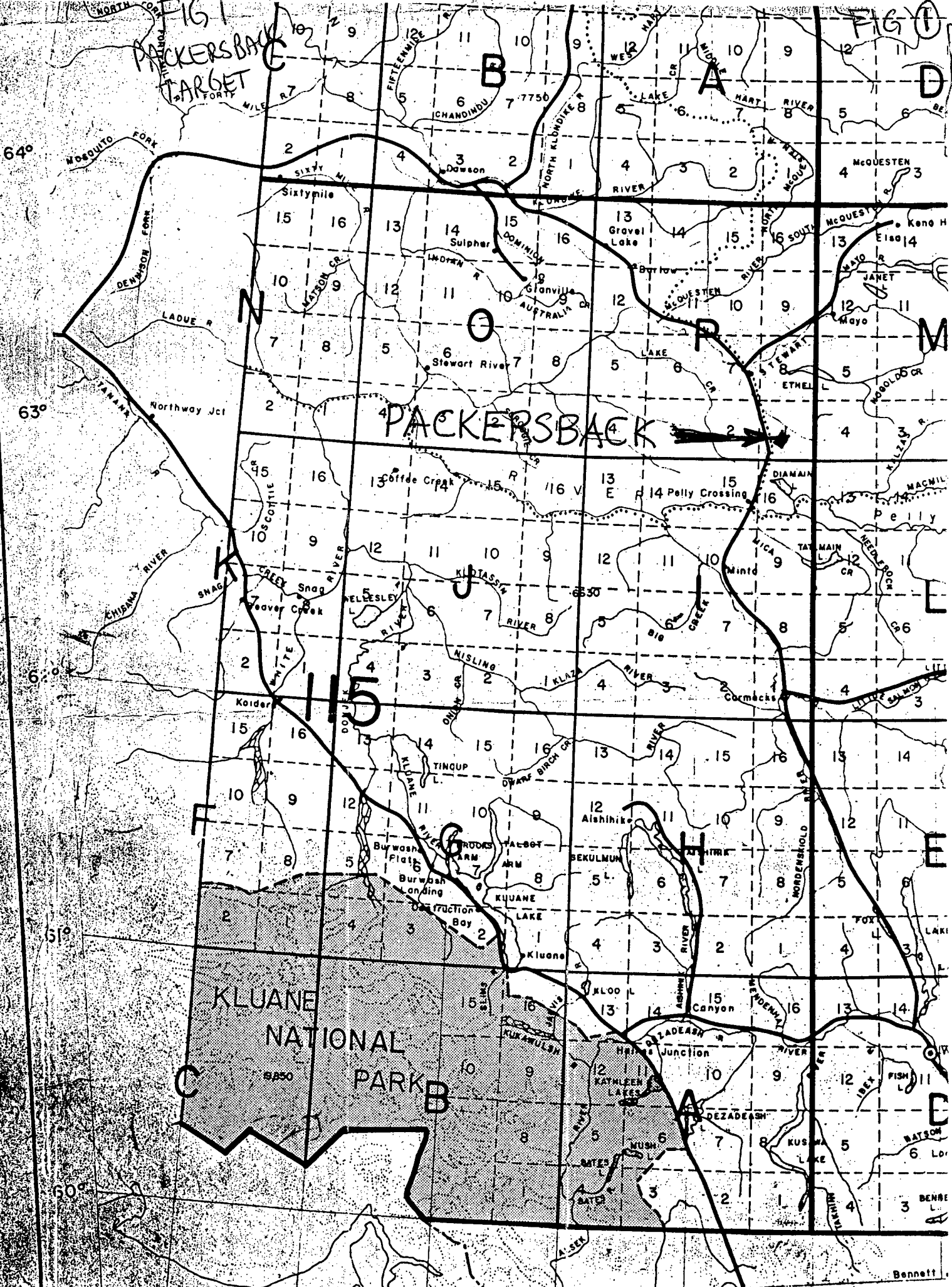
Work will be used as representation work on the claims. Copies of reports will be submitted describing location of all samples, their results and tied to local topography.

Gord Richards, who is also applying for YMIP assistance, will assist the applicant in the field for a total of eight man-days to be spent on the above program.

Detailed budget is provided on the attached application form.

FIG 1
PACKERSBACK
TARGET

FIG 1

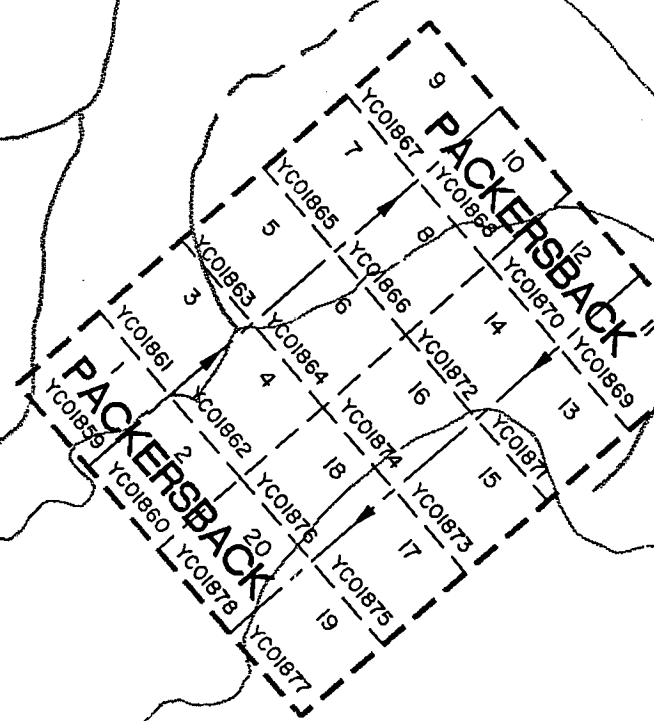


PACKERSBACK

KLUANE
NATIONAL
PARK

C r y s t

FIG (2)
PACKERSBACK
TARGET



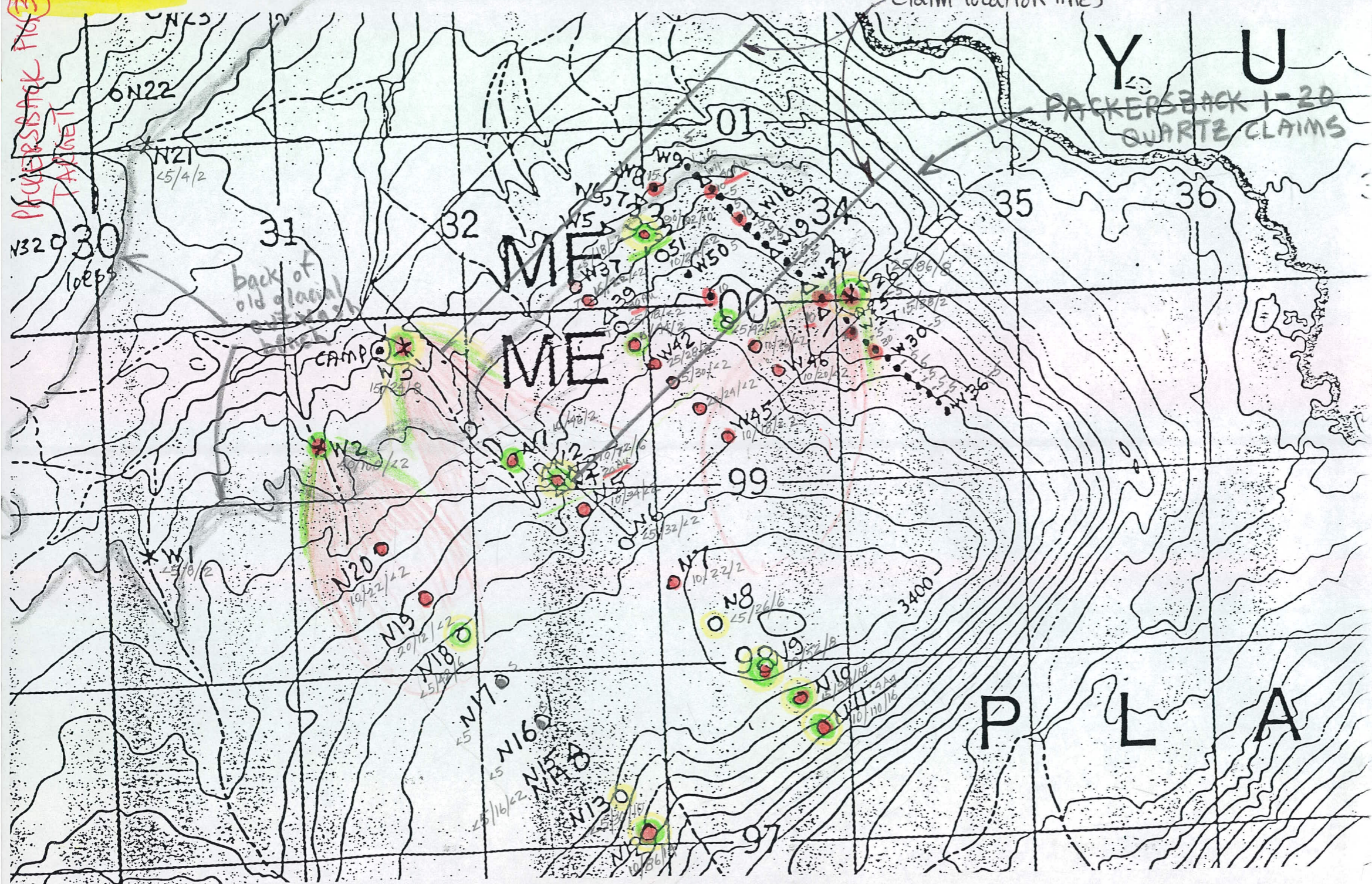
PICKERSBACH F163
TAXNET

claim location lines

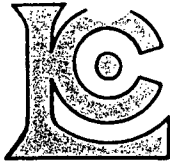
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PACKERSBACK 1-20
QUARTZ CLAIMS

N
1km
approx
scale
1:25,000



- Tills + soils
- ≥ 10 ppb Au
- ≥ 40 ppm AS
- ≥ 6 ppm Sb
- x Stream sediments
- ≥ 15 ppb Au
- ≥ 20 ppm AS
- ≥ 6 ppm Sb
- soils
- Tills
- x stream scds
- N3 (sample number)
- 10/72/6 tills (ppb Au, ppm AS, ppm Sb)
- N16 (sample number) <5 (ppb Au)



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 Total Pages: 4
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CERTIFICATE OF ANALYSIS

A9925637

MINTO

FIELDS

MINTO

PARKERSBANK

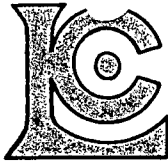
FIELDS

MINTO

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 %
99L 6	216 202	< 5	< 0.2	1.12	28	< 10	250	< 0.5	< 2	0.16	< 0.5	8	19	35	2.54	< 10	< 1	0.07	30	0.31
99L 7	216 202	10	< 0.2	1.08	14	< 10	180	< 0.5	< 2	0.20	< 0.5	6	17	16	1.95	< 10	< 1	0.03	20	0.35
99L 8	216 202	10	< 0.2	1.04	18	< 10	110	< 0.5	< 2	0.02	< 0.5	9	14	23	2.30	< 10	< 1	0.03	30	0.32
99L 9	216 202	< 5	< 0.2	1.29	16	< 10	130	< 0.5	< 2	0.06	< 0.5	14	18	24	2.74	< 10	< 1	0.05	20	0.35
99L 10	216 202	< 5	< 0.2	1.35	12	< 10	100	< 0.5	< 2	0.15	< 0.5	9	21	23	2.14	< 10	< 1	0.04	10	0.38
99L 11	216 202	< 5	< 0.2	1.54	10	< 10	100	< 0.5	< 2	0.13	< 0.5	5	23	13	2.16	< 10	< 1	0.05	20	0.38
99L 12	216 202	< 5	< 0.2	2.44	32	< 10	450	< 0.5	< 2	0.29	< 0.5	15	39	48	3.77	< 10	< 1	0.20	30	0.63
99L 13	216 202	< 5	< 0.2	1.34	18	< 10	260	< 0.5	< 2	0.15	< 0.5	7	19	29	2.17	< 10	< 1	0.05	30	0.35
99N 1	216 202	10	< 0.2	1.29	46	< 10	180	< 0.5	< 2	0.10	< 0.5	8	23	31	2.36	< 10	< 1	0.08	30	0.32
99N 3	216 202	10	< 0.2	0.83	72	< 10	170	< 0.5	< 2	0.10	< 0.5	8	14	32	2.10	< 10	< 1	0.08	30	0.18
99N 5	216 202	10	< 0.2	1.40	34	< 10	320	< 0.5	< 2	0.20	< 0.5	6	23	29	2.16	< 10	< 1	0.10	20	0.38
99N 6	216 202	< 5	0.2	1.39	32	< 10	290	< 0.5	< 2	0.28	< 0.5	5	24	20	1.93	< 10	< 1	0.05	10	0.40
99N 7	216 202	10	< 0.2	1.52	22	< 10	280	< 0.5	< 2	0.25	< 0.5	6	26	23	1.88	< 10	< 1	0.04	10	0.43
99N 8	216 202	< 5	< 0.2	1.85	26	< 10	240	< 0.5	< 2	0.18	< 0.5	12	48	32	2.95	< 10	< 1	0.06	10	0.66
99N 9	216 202	10	< 0.2	1.70	52	< 10	580	< 0.5	< 2	0.33	< 0.5	7	32	30	2.55	< 10	< 1	0.07	10	0.36
99N 10	216 202	15	< 0.2	1.35	98	< 10	200	< 0.5	< 2	0.09	< 0.5	8	22	37	2.92	< 10	< 1	0.09	30	0.34
99N 11	216 202	10	0.4	1.25	110	< 10	130	< 0.5	< 2	0.10	< 0.5	8	26	34	2.75	< 10	< 1	0.09	20	0.39
99N 12	216 202	10	< 0.2	1.36	86	< 10	190	< 0.5	< 2	0.08	< 0.5	9	29	35	2.49	< 10	< 1	0.07	20	0.41
99N 13	216 202	< 5	< 0.2	1.21	30	< 10	130	< 0.5	< 2	0.15	< 0.5	5	21	14	1.96	< 10	< 1	0.06	20	0.32
99N 14	216 202	< 5	< 0.2	1.53	16	< 10	140	< 0.5	< 2	0.17	< 0.5	6	26	16	2.20	< 10	< 1	0.06	30	0.39
99N 18	216 202	< 5	< 0.2	1.49	42	< 10	210	< 0.5	< 2	0.09	< 0.5	10	18	24	3.04	< 10	< 1	0.10	40	0.23
99N 19	216 202	20	< 0.2	1.42	12	< 10	260	< 0.5	< 2	0.27	< 0.5	6	26	17	2.08	< 10	< 1	0.06	30	0.41
99N 20	216 202	10	< 0.2	1.68	22	< 10	180	< 0.5	< 2	0.19	< 0.5	7	25	17	2.01	< 10	< 1	0.06	10	0.34
99N 22	216 202	5	< 0.2	1.29	8	< 10	390	< 0.5	< 2	0.38	< 0.5	11	21	27	2.64	< 10	< 1	0.09	40	0.37
99N 23	216 202	< 5	< 0.2	1.55	14	< 10	240	< 0.5	< 2	0.22	< 0.5	7	19	18	2.40	< 10	< 1	0.08	40	0.36
99N 26	216 202	< 5	< 0.2	1.87	16	< 10	360	< 0.5	< 2	0.19	< 0.5	8	33	21	2.48	< 10	< 1	0.05	20	0.48
99N 27	216 202	25	< 0.2	1.48	60	< 10	300	< 0.5	< 2	0.21	< 0.5	8	26	31	2.63	< 10	< 1	0.07	20	0.38
99N 28	216 202	< 5	< 0.2	1.39	28	< 10	200	< 0.5	< 2	0.09	< 0.5	10	20	33	2.40	< 10	< 1	0.06	30	0.36
99N 29	216 202	< 5	< 0.2	2.86	20	< 10	310	< 0.5	< 2	0.15	< 0.5	17	35	42	4.45	< 10	< 1	0.07	30	0.93
99N 31	216 202	< 5	< 0.2	1.36	10	< 10	210	< 0.5	< 2	0.17	< 0.5	6	19	13	1.89	< 10	< 1	0.09	30	0.29
99N 32	216 202	< 5	< 0.2	1.58	14	< 10	290	< 0.5	< 2	0.22	< 0.5	9	29	20	2.37	< 10	< 1	0.04	10	0.47
99R 145	216 202	< 5	< 0.2	2.34	14	< 10	220	< 0.5	< 2	0.07	< 0.5	11	30	31	3.23	< 10	< 1	0.04	30	0.54
99R 146	216 202	< 5	< 0.2	1.69	30	< 10	130	< 0.5	< 2	0.12	< 0.5	10	21	24	2.71	< 10	< 1	0.04	20	0.42
99R 147	216 202	< 5	< 0.2	1.83	18	< 10	130	< 0.5	< 2	0.04	< 0.5	8	23	25	2.81	< 10	< 1	0.05	30	0.46
99R 148	216 202	10	< 0.2	2.17	48	< 10	220	< 0.5	< 2	0.06	< 0.5	12	29	37	2.99	< 10	< 1	0.05	30	0.47
99R 149	216 202	< 5	< 0.2	2.03	68	< 10	130	< 0.5	< 2	0.05	< 0.5	11	24	43	3.40	< 10	< 1	0.10	30	0.53
99R 180	216 202	< 5	< 0.2	1.21	130	< 10	100	< 0.5	< 2	0.15	< 0.5	11	15	38	3.30	< 10	< 1	0.06	20	0.30
99T 1	216 202	< 5	< 0.2	1.00	24	< 10	150	< 0.5	< 2	0.19	< 0.5	7	16	20	2.04	< 10	< 1	0.06	20	0.27
99T 2	216 202	< 5	< 0.2	1.67	10	< 10	150	< 0.5	< 2	0.12	< 0.5	10	23	31	3.04	< 10	< 1	0.05	40	0.53
99T 3	216 202	< 5	< 0.2	1.44	22	< 10	390	< 0.5	< 2	0.25	< 0.5	8	24	28	2.51	< 10	< 1	0.04	30	0.46

TILLS

CERTIFICATION:



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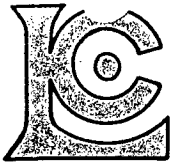
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CERTIFICATE OF ANALYSIS A9925637

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
MINTO 99L 6	216 202	285	< 1	< 0.01	23	130	16	< 0.01	< 2	3	18	0.03	< 10	< 10	26	< 10	54
99L 7	216 202	215	< 1	< 0.01	15	490	10	< 0.01	< 2	2	17	0.01	< 10	< 10	21	< 10	52
99L 8	216 202	290	< 1	< 0.01	17	140	12	< 0.01	< 2	1	4	0.01	< 10	< 10	16	< 10	46
99L 9	216 202	415	< 1	< 0.01	22	240	16	< 0.01	< 2	1	7	0.01	< 10	< 10	19	< 10	56
99L 10	216 202	315	< 1	< 0.01	20	540	10	< 0.01	< 2	2	12	0.04	< 10	< 10	30	< 10	50
99L 11	216 202	155	< 1	< 0.01	13	430	12	< 0.01	< 2	1	12	0.03	< 10	< 10	33	< 10	44
99L 12	216 202	575	< 1	0.01	43	370	20	< 0.01	< 2	5	25	0.03	< 10	< 10	52	< 10	102
99L 13	216 202	280	< 1	< 0.01	24	350	10	< 0.01	< 2	2	15	0.04	< 10	< 10	29	< 10	54
99N 1	216 202	180	< 1	< 0.01	22	230	10	< 0.01	2	3	15	0.04	< 10	< 10	30	< 10	52
99N 3	216 202	360	< 1	< 0.01	19	470	10	< 0.01	6	3	12	0.03	< 10	< 10	20	< 10	52
99N 5	216 202	260	< 1	< 0.01	15	280	12	< 0.01	< 2	3	16	0.04	< 10	< 10	32	< 10	44
99N 6	216 202	190	< 1	< 0.01	15	480	6	< 0.01	< 2	3	20	0.04	< 10	< 10	29	< 10	46
99N 7	216 202	200	< 1	< 0.01	16	380	10	< 0.01	2	4	19	0.05	< 10	< 10	36	< 10	38
99N 8	216 202	635	< 1	0.01	35	230	10	< 0.01	6	7	20	0.05	< 10	< 10	47	< 10	60
99N 9	216 202	470	1	< 0.01	27	210	12	< 0.01	8	5	19	0.02	< 10	< 10	39	< 10	52
99N 10	216 202	280	< 1	< 0.01	29	530	10	0.01	18	3	14	0.01	< 10	< 10	30	< 10	72
99N 11	216 202	290	< 1	< 0.01	26	490	12	0.01	16	2	14	0.03	< 10	< 10	34	< 10	56
99N 12	216 202	235	< 1	< 0.01	29	170	12	< 0.01	14	2	12	0.02	< 10	< 10	27	< 10	58
99N 13	216 202	170	< 1	< 0.01	14	380	6	< 0.01	10	2	15	0.03	< 10	< 10	29	< 10	38
99N 14	216 202	160	< 1	< 0.01	15	250	10	< 0.01	< 2	3	17	0.05	< 10	< 10	36	< 10	40
99N 18	216 202	345	< 1	< 0.01	21	160	10	< 0.01	6	4	15	0.01	< 10	< 10	22	< 10	62
99N 19	216 202	170	< 1	< 0.01	15	520	10	< 0.01	< 2	3	24	0.05	< 10	< 10	35	< 10	48
99N 20	216 202	185	< 1	0.01	16	380	8	< 0.01	< 2	2	19	0.05	< 10	< 10	40	< 10	46
99N 22	216 202	410	< 1	< 0.01	24	330	8	< 0.01	< 2	3	23	0.02	< 10	< 10	27	< 10	46
99N 23	216 202	150	< 1	< 0.01	19	200	14	< 0.01	< 2	2	16	0.01	< 10	< 10	25	< 10	48
99N 26	216 202	245	< 1	< 0.01	19	180	10	< 0.01	< 2	4	20	0.06	< 10	< 10	49	< 10	50
99N 27	216 202	240	< 1	< 0.01	21	350	12	< 0.01	4	5	28	0.05	< 10	< 10	41	< 10	50
99N 28	216 202	260	< 1	< 0.01	23	180	10	< 0.01	< 2	2	14	0.04	< 10	< 10	30	< 10	52
99N 29	216 202	355	< 1	< 0.01	32	170	16	< 0.01	< 2	4	18	0.04	< 10	< 10	48	< 10	80
99N 31	216 202	235	< 1	< 0.01	10	230	12	< 0.01	< 2	2	17	0.03	< 10	< 10	26	< 10	32
99N 32	216 202	250	< 1	0.01	20	380	8	< 0.01	< 2	4	18	0.05	< 10	< 10	42	< 10	44
99R 145	216 202	270	< 1	< 0.01	30	130	14	< 0.01	< 2	3	11	0.02	< 10	< 10	34	< 10	64
99R 146	216 202	230	< 1	< 0.01	27	260	16	< 0.01	< 2	1	11	0.02	< 10	< 10	20	< 10	58
99R 147	216 202	225	< 1	< 0.01	23	140	12	< 0.01	< 2	2	7	0.03	< 10	< 10	26	< 10	58
99R 148	216 202	240	< 1	< 0.01	34	150	16	< 0.01	< 2	3	9	0.04	< 10	< 10	35	< 10	62
99R 149	216 202	260	< 1	< 0.01	32	170	16	< 0.01	< 2	1	9	0.02	< 10	< 10	22	< 10	68
99R 180	216 202	330	< 1	< 0.01	24	300	22	< 0.01	< 2	1	12	0.02	< 10	< 10	21	< 10	58
MINTO 99T 1	216 202	240	< 1	< 0.01	18	280	10	< 0.01	< 2	1	17	0.03	< 10	< 10	20	< 10	48
99T 2	216 202	325	< 1	< 0.01	26	450	14	< 0.01	< 2	3	14	0.02	< 10	< 10	25	< 10	72
99T 3	216 202	250	< 1	< 0.01	25	450	10	< 0.01	< 2	3	22	0.03	< 10	< 10	32	< 10	64

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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 %
99T 4	216 202	< 5	< 0.2	1.41	12	< 10	180	< 0.5	< 2	0.10	< 0.5	6	21	16	2.29	< 10	< 1	0.04	30	0.41
99T 5	216 202	< 5	< 0.2	1.30	22	< 10	160	< 0.5	< 2	0.76	< 0.5	9	16	24	2.36	< 10	< 1	0.14	30	0.41
99T 6	216 202	< 5	< 0.2	0.91	12	< 10	210	< 0.5	< 2	0.15	< 0.5	5	15	18	1.58	< 10	< 1	0.05	10	0.28
99T 7	216 202	10	< 0.2	0.78	14	< 10	120	< 0.5	< 2	0.13	< 0.5	8	11	19	2.54	< 10	< 1	0.05	40	0.24
99T 8	216 202	< 5	< 0.2	0.65	16	< 10	110	< 0.5	< 2	0.15	< 0.5	8	9	20	2.46	< 10	< 1	0.05	40	0.18
99T 9	216 202	< 5	< 0.2	1.09	26	< 10	130	< 0.5	< 2	0.04	< 0.5	8	16	24	2.46	< 10	< 1	0.07	40	0.25
99T 10	216 202	< 5	< 0.2	1.27	20	< 10	150	< 0.5	< 2	0.05	< 0.5	8	16	30	2.68	< 10	< 1	0.10	40	0.26
99T 11	216 202	< 5	< 0.2	1.50	24	< 10	370	< 0.5	< 2	0.14	< 0.5	10	22	32	2.89	< 10	< 1	0.10	30	0.36
99T 12	216 202	< 5	< 0.2	1.34	22	< 10	280	< 0.5	< 2	0.12	< 0.5	10	21	32	2.55	< 10	< 1	0.06	30	0.36
99T 13	216 202	< 5	< 0.2	1.34	20	< 10	240	< 0.5	< 2	0.10	< 0.5	10	20	25	2.63	< 10	< 1	0.05	30	0.33
99T 14	216 202	< 5	< 0.2	1.24	22	< 10	390	< 0.5	< 2	0.16	< 0.5	9	19	30	2.53	< 10	< 1	0.06	30	0.37
99T 15	216 202	< 5	< 0.2	1.06	14	< 10	280	< 0.5	< 2	0.06	< 0.5	14	14	31	3.14	< 10	< 1	0.09	50	0.20
99T 16	216 202	< 5	< 0.2	1.30	10	< 10	190	< 0.5	< 2	0.20	< 0.5	5	20	13	1.90	< 10	< 1	0.04	10	0.31
99T 17	216 202	< 5	< 0.2	1.38	16	< 10	350	< 0.5	< 2	0.34	< 0.5	8	28	31	2.58	< 10	< 1	0.07	10	0.41
99T 18	216 202	< 5	< 0.2	1.00	2	< 10	360	1.5	< 2	0.22	< 0.5	1	3	8	1.14	< 10	< 1	0.17	60	0.07
99T 19	216 202	< 5	< 0.2	0.90	26	< 10	70	< 0.5	< 2	0.05	< 0.5	9	12	26	1.76	< 10	< 1	0.05	10	0.21
99T 20	216 202	< 5	< 0.2	0.89	18	< 10	180	< 0.5	< 2	0.13	< 0.5	21	17	37	3.77	< 10	< 1	0.06	40	0.23
99T 21	216 202	< 5	< 0.2	1.35	20	< 10	200	< 0.5	< 2	0.07	< 0.5	8	24	35	2.55	< 10	< 1	0.05	30	0.35
99T 22	216 202	10	< 0.2	0.83	16	< 10	180	< 0.5	< 2	0.20	< 0.5	9	17	14	2.55	< 10	< 1	0.06	30	0.25
99T 23	216 202	< 5	< 0.2	0.61	22	< 10	80	< 0.5	< 2	0.13	< 0.5	8	10	24	1.60	< 10	< 1	0.04	10	0.20
99T 24	216 202	< 5	< 0.2	1.55	22	< 10	430	< 0.5	< 2	0.20	< 0.5	7	25	23	2.50	< 10	< 1	0.04	30	0.43
99T 25	216 202	< 5	< 0.2	1.23	20	< 10	230	< 0.5	< 2	0.26	< 0.5	8	19	36	2.58	< 10	< 1	0.08	30	0.35
99T 26	216 202	10	< 0.2	1.12	20	< 10	180	< 0.5	< 2	0.17	< 0.5	10	18	26	2.74	< 10	< 1	0.06	20	0.34
99T 27	216 202	< 5	< 0.2	1.36	20	< 10	210	< 0.5	< 2	0.11	< 0.5	10	22	43	2.90	< 10	< 1	0.07	40	0.44
99T 28	216 202	10	< 0.2	1.55	24	< 10	380	< 0.5	< 2	0.25	< 0.5	9	26	52	3.39	< 10	< 1	0.10	30	0.46
99U 6	216 202	< 5	< 0.2	1.45	6	10	170	< 0.5	< 2	0.29	< 0.5	10	23	20	2.54	< 10	< 1	0.09	30	0.53
99U 11	216 202	10	< 0.2	1.35	8	< 10	370	< 0.5	< 2	0.37	< 0.5	6	27	21	2.17	< 10	< 1	0.05	20	0.36
99U 12	216 202	10	< 0.2	1.67	8	< 10	330	< 0.5	< 2	0.30	< 0.5	8	28	17	2.49	< 10	< 1	0.04	20	0.42
99U 13	216 202	< 5	< 0.2	2.06	20	< 10	120	< 0.5	< 2	0.16	< 0.5	17	29	18	3.43	< 10	< 1	0.09	10	0.52
99U 14	216 202	< 5	< 0.2	1.82	10	< 10	150	< 0.5	< 2	0.24	< 0.5	11	30	21	2.74	< 10	< 1	0.09	30	0.58
99U 16	216 202	< 5	< 0.2	1.45	12	< 10	270	< 0.5	< 2	0.29	< 0.5	7	26	17	1.99	< 10	< 1	0.04	20	0.40
99U 17	216 202	< 5	< 0.2	1.51	10	< 10	300	< 0.5	< 2	0.49	< 0.5	8	27	24	2.48	< 10	< 1	0.06	30	0.51
99U 18	216 202	< 5	< 0.2	1.97	12	< 10	310	< 0.5	< 2	0.19	< 0.5	9	29	26	2.66	< 10	< 1	0.05	20	0.41
99W 27	216 202	15	< 0.2	1.53	38	< 10	300	< 0.5	< 2	0.26	< 0.5	9	25	18	2.36	< 10	< 1	0.06	20	0.37
99W 37	216 202	< 5	< 0.2	1.34	18	< 10	300	< 0.5	< 2	0.40	< 0.5	7	28	18	2.13	< 10	< 1	0.06	10	0.43
99W 38	216 202	15	< 0.2	1.59	22	< 10	310	< 0.5	< 2	0.39	< 0.5	7	30	16	2.32	< 10	< 1	0.06	20	0.46
99W 40	216 202	< 5	< 0.2	1.56	18	< 10	400	< 0.5	< 2	0.36	< 0.5	8	29	23	2.45	< 10	< 1	0.07	20	0.50
99W 41	216 202	10	< 0.2	0.96	44	< 10	180	< 0.5	< 2	0.06	< 0.5	7	13	25	2.18	< 10	< 1	0.07	30	0.25
99W 42	216 202	25	< 0.2	1.49	28	< 10	240	< 0.5	< 2	0.20	< 0.5	7	26	20	2.34	< 10	< 1	0.06	20	0.40
99W 43	216 202	5	< 0.2	1.59	30	< 10	330	< 0.5	< 2	0.19	< 0.5	9	26	26	2.37	< 10	< 1	0.06	20	0.42

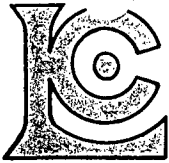
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CERTIFICATION:



Chemex Labs 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: RICHARDS, GORDON

6170 TISDALL ST.,
VANCOUVER, BC
V5Z 3N4

Project : TIN
Comments : ATTN: GORDON RICHARDS

Page 1 of 3;B
Total Pages : 4
Certificate Date: 23-AUG-1999
Invoice No. : I9925637
P.O. Number :
Account : NDJ

CERTIFICATE OF ANALYSIS

A9925637

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
99T 4	216 202	180	< 1	< 0.01	17	210	8 < 0.01	< 2	1	10	0.03	< 10	< 10	27	< 10	48	
99T 5	216 202	375	1	< 0.01	22	520	10 < 0.01	< 2	2	34	0.02	< 10	< 10	18	< 10	60	
99T 6	216 202	160	< 1	< 0.01	16	350	6 < 0.01	< 2	2	12	0.03	< 10	< 10	19	< 10	34	
99T 7	216 202	210	< 1	< 0.01	21	380	10 < 0.01	< 2	1	18	< 0.01	< 10	< 10	13	< 10	56	
99T 8	216 202	180	< 1	< 0.01	22	530	10 < 0.01	< 2	1	22	< 0.01	< 10	< 10	10	< 10	46	
99T 9	216 202	265	< 1	< 0.01	22	220	12 < 0.01	< 2	1	10	0.02	< 10	< 10	16	< 10	54	
99T 10	216 202	285	< 1	< 0.01	24	300	10 < 0.01	< 2	2	13	0.02	< 10	< 10	17	< 10	58	
99T 11	216 202	665	< 1	< 0.01	30	290	12 < 0.01	< 2	3	20	0.03	< 10	< 10	31	< 10	70	
99T 12	216 202	390	< 1	< 0.01	26	290	18 < 0.01	< 2	3	16	0.04	< 10	< 10	30	< 10	64	
99T 13	216 202	340	< 1	< 0.01	24	250	12 < 0.01	< 2	3	15	0.03	< 10	< 10	30	< 10	62	
99T 14	216 202	415	< 1	< 0.01	27	310	10 < 0.01	< 2	3	20	0.04	< 10	< 10	30	< 10	62	
99T 15	216 202	440	< 1	< 0.01	33	320	16 < 0.01	< 2	2	13	< 0.01	< 10	< 10	16	< 10	72	
99T 16	216 202	100	< 1	< 0.01	14	420	10 < 0.01	< 2	1	18	0.02	< 10	< 10	33	< 10	36	
99T 17	216 202	345	1	< 0.01	29	730	12 < 0.01	< 2	4	35	0.04	< 10	< 10	49	< 10	94	
99T 18	216 202	105	< 1	< 0.01	6	90	36 < 0.01	< 2	1	48	< 0.01	< 10	< 10	3	< 10	38	
99T 19	216 202	275	< 1	< 0.01	18	160	12 < 0.01	< 2	1	5	0.03	< 10	< 10	14	< 10	38	
99T 20	216 202	1285	< 1	< 0.01	33	1050	22 < 0.01	< 2	1	16	0.01	< 10	< 10	19	< 10	86	
99T 21	216 202	290	1	< 0.01	26	110	10 < 0.01	< 2	4	13	0.03	< 10	< 10	36	< 10	66	
99T 22	216 202	275	< 1	< 0.01	21	370	2 < 0.01	< 2	2	26	0.01	< 10	< 10	21	< 10	70	
99T 23	216 202	320	< 1	< 0.01	18	410	12 < 0.01	< 2	1	10	0.01	< 10	< 10	10	< 10	34	
99T 24	216 202	240	< 1	< 0.01	21	260	10 < 0.01	< 2	3	18	0.04	< 10	< 10	36	< 10	52	
99T 25	216 202	240	1	< 0.01	28	530	10 < 0.01	< 2	4	23	0.03	< 10	< 10	27	< 10	68	
99T 26	216 202	210	< 1	< 0.01	25	390	14 < 0.01	< 2	1	19	0.02	< 10	< 10	22	< 10	62	
99T 27	216 202	370	< 1	< 0.01	32	260	18 < 0.01	< 2	4	14	0.03	< 10	< 10	29	< 10	70	
99T 28	216 202	375	< 1	< 0.01	36	450	14 < 0.01	< 2	4	19	0.03	< 10	< 10	32	< 10	82	
99U 6	216 202	415	< 1	< 0.01	21	720	10 < 0.01	< 2	3	24	0.05	< 10	< 10	24	< 10	72	
99U 11	216 202	210	1	0.01	19	690	6 < 0.01	< 2	4	29	0.06	< 10	< 10	42	< 10	56	
99U 12	216 202	220	1	< 0.01	18	550	6 < 0.01	2	4	25	0.06	< 10	< 10	43	< 10	52	
99U 13	216 202	690	< 1	< 0.01	22	450	10 < 0.01	< 2	3	15	0.06	< 10	< 10	42	< 10	70	
99U 14	216 202	365	< 1	< 0.01	22	640	14 < 0.01	< 2	3	19	0.06	< 10	< 10	35	< 10	62	
99U 16	216 202	180	< 1	< 0.01	16	620	8 < 0.01	< 2	3	24	0.05	< 10	< 10	35	< 10	52	
99U 17	216 202	330	< 1	< 0.01	18	770	12 < 0.01	< 2	4	28	0.03	< 10	< 10	31	< 10	74	
99U 18	216 202	385	1	< 0.01	20	390	10 < 0.01	< 2	5	21	0.06	< 10	< 10	56	< 10	60	
99W 27	216 202	300	< 1	< 0.01	15	570	10 < 0.01	2	3	24	0.04	< 10	< 10	32	< 10	56	
99W 37	216 202	195	< 1	0.01	18	650	6 < 0.01	< 2	3	33	0.07	< 10	< 10	42	< 10	52	
99W 38	216 202	290	< 1	0.01	16	540	8 < 0.01	< 2	3	35	0.07	< 10	< 10	47	< 10	56	
99W 40	216 202	275	< 1	0.01	20	720	10 < 0.01	< 2	3	31	0.06	< 10	< 10	46	< 10	78	
99W 41	216 202	295	< 1	< 0.01	21	190	12 < 0.01	2	3	11	0.03	< 10	< 10	18	< 10	60	
99W 42	216 202	260	< 1	< 0.01	17	490	10 < 0.01	2	3	21	0.06	< 10	< 10	43	< 10	50	
99W 43	216 202	300	< 1	< 0.01	18	310	10 < 0.01	< 2	4	21	0.06	< 10	< 10	40	< 10	54	

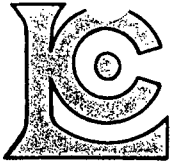
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CERTIFICATION:



Chemex Labs 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: RICHARDS, GORDON

6170 TISDALL ST.,
VANCOUVER, BC
V5Z 3N4

Project: TIN
Comments: ATTN: GORDON RICHARDS

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Total Pages: 4
Certificate Date: 23-AUG-1999
Invoice No.: 19925637
P.O. Number:
Account: NDJ

CERTIFICATE OF ANALYSIS

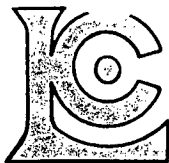
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SAMPLE	PREP CODE		Au ppb	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg
	FA+AA		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%
99W 44	216	202	20	< 0.2	1.21	24	< 10	320	< 0.5	< 2	0.49	< 0.5	8	29	26	2.43	< 10	< 1	0.07	10	0.42
99W 45	216	202	10	< 0.2	1.64	18	< 10	280	< 0.5	< 2	0.34	< 0.5	6	29	17	2.12	< 10	< 1	0.06	10	0.41
99W 46	216	202	10	< 0.2	1.75	20	< 10	280	< 0.5	< 2	0.24	< 0.5	6	26	17	2.21	< 10	1	0.06	20	0.41
99W 47	216	202	10	< 0.2	1.66	26	< 10	270	< 0.5	< 2	0.10	< 0.5	8	31	24	2.56	< 10	< 1	0.04	10	0.42
99W 48	216	202	< 5	< 0.2	0.97	42	< 10	240	< 0.5	< 2	0.21	< 0.5	6	18	24	2.18	< 10	< 1	0.06	20	0.32
99W 51	216	202	10	< 0.2	1.20	24	< 10	270	< 0.5	< 2	0.23	< 0.5	5	21	19	1.93	< 10	< 1	0.05	10	0.39
99W 52	216	202	90	0.6	1.56	92	< 10	450	< 0.5	< 2	0.24	< 0.5	8	26	44	2.71	< 10	< 1	0.06	10	0.39

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To: RICHARDS, GORDON

6170 TISDALL ST.,
VANCOUVER, BC
V5Z 3N4

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Total Pages: 4
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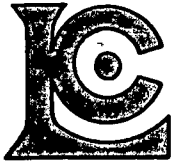
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SAMPLE	PREP CODE		Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
99W 44	216	202	310	1	0.01	22	880	8 < 0.01	< 2	4	41	0.06	< 10	< 10	48	< 10	56	
99W 45	216	202	165	< 1	0.01	14	570	8 < 0.01	< 2	3	32	0.06	< 10	< 10	42	< 10	46	
99W 46	216	202	150	< 1	< 0.01	15	510	10 < 0.01	< 2	3	23	0.04	< 10	< 10	36	< 10	58	
99W 47	216	202	250	< 1	< 0.01	19	140	12 < 0.01	< 2	4	14	0.05	< 10	< 10	41	< 10	56	
99W 48	216	202	195	< 1	< 0.01	19	560	10 < 0.01	2	2	19	0.03	< 10	< 10	22	< 10	62	
99W 51	216	202	170	< 1	< 0.01	15	480	8 < 0.01	< 2	3	18	0.03	< 10	< 10	28	< 10	46	
99W 52	216	202	245	< 1	< 0.01	24	620	14 < 0.01	10	4	28	0.02	< 10	< 10	31	< 10	70	

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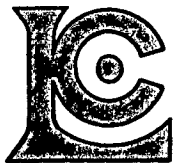
Page Number : 1-A
Total Pages : 1
Certificate Date: 04-FEB-2000
Invoice No. : 10011649
P.O. Number :
Account : NDJ

CERTIFICATE OF ANALYSIS

A0011649

SAMPLE	PREP CODE	Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
99N 4 RK	244 --	0.19	69.7	452	80	0.20	0.13	< 10	0.18	0.01	152	1.2	66.3	0.8	< 0.1	1.95	< 10	20	0.01	60
99W 39 RK	244 --	0.03	4.3	41.8	30	< 0.05	< 0.01	< 10	0.02	0.01	133	2.0	17.4	0.1	< 0.1	0.31	< 10	< 2	< 0.01	30
99N 9	244 --	1.17	11.8	64.0	550	0.75	0.13	< 10	0.08	0.28	27	7.8	31.0	3.1	< 0.1	2.53	< 10	8	0.28	475
99N 10	244 --	0.97	26.3	127.0	180	0.50	0.17	< 10	0.10	0.06	20	9.0	38.0	3.1	< 0.1	2.86	10	12	0.28	280
99N 11	244 --	0.90	23.9	133.5	110	0.40	0.17	< 10	0.08	0.07	24	8.8	34.2	3.1	< 0.1	2.66	10	12	0.31	280
99N 12	244 --	1.00	23.5	105.5	180	0.45	0.13	< 10	0.10	0.05	27	9.4	35.2	2.6	< 0.1	2.41	< 10	10	0.33	230
99N 27	244 --	0.92	9.1	64.4	240	0.55	0.14	< 10	0.06	0.13	22	7.6	29.8	3.1	< 0.1	2.36	10	8	0.29	215
99W 51	244 --	0.94	2.6	31.2	250	0.40	0.13	< 10	0.06	0.19	21	4.8	19.2	3.3	< 0.1	1.84	10	6	0.33	160
99W 52	244 --	1.20	17.0	108.5	400	0.50	0.22	< 10	0.10	0.20	25	8.2	44.6	3.9	< 0.1	2.40	10	12	0.33	225

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CERTIFICATE OF ANALYSIS

A0011649

SAMPLE	PREP CODE	Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
99N 4	244 --	0.02	4.0	5	90	0.13	< 1	2.5	0.32 < 0.01		5 < 0.01	0.15	0.02 < 0.01	0.20	0.25	6	14		
99W 39	244 --	< 0.01	0.6	6	40	0.03	< 1	< 0.5	0.06 < 0.01		4 < 0.01	< 0.05	< 0.02	< 0.01	0.15	0.10	< 1	4	
99N 9	244 --	0.05	0.8	25	210	0.03	4	< 0.5	0.18 < 0.01		14 < 0.01	< 0.05	0.08	0.01	0.25	0.75	32	50	
99N 10	244 --	0.01	1.4	28	530	0.07	2	< 0.5	0.20 < 0.01		10	0.01	0.05	0.08	0.01	0.35	0.85	27	68
99N 11	244 --	0.01	1.2	24	490	0.07	1	< 0.5	0.42 < 0.01		10	0.01	0.05	0.08	0.02	0.20	0.75	30	54
99N 12	244 --	0.01	1.2	27	160	0.06	2	0.5	0.08 < 0.01		9 < 0.01	< 0.05	0.08	0.01	0.15	0.70	25	56	
99N 27	244 --	0.08	1.2	17	310	0.04	4	0.5	0.06	0.01	16 < 0.01	< 0.05	0.06	0.03	0.15	1.30	33	44	
99W 51	244 --	0.04	1.0	14	480	0.04	2	< 0.5	0.10	0.01	16 < 0.01	< 0.05	0.08	0.03	0.30	0.75	26	42	
99W 52	244 --	0.20	1.6	21	590	0.06	3	0.5	0.66 < 0.01		24 < 0.01	0.05	0.18	0.02	0.20	1.65	29	62	

CERTIFICATION: _____

GEOCHEMICAL / GEOLOGICAL REPORT

on the

PACKERSBACK PROPERTY

Quartz Claims PACKERSBACK 1-20
Grant Numbers YC01859 – YC01878
Mayo Mining District
Owner: Gordon G Richards

Claim Sheet No 115P/1
Latitude 63 07 ½' N
Longitude 135 19' W

written by

Gordon G Richards

Work performed July 11,12, 2000
By: D Bennett & G Richards

January 17, 2001

00-071

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Figure 3. Au Geochem / Geology.	In Pocket



Figure 1. Location Map

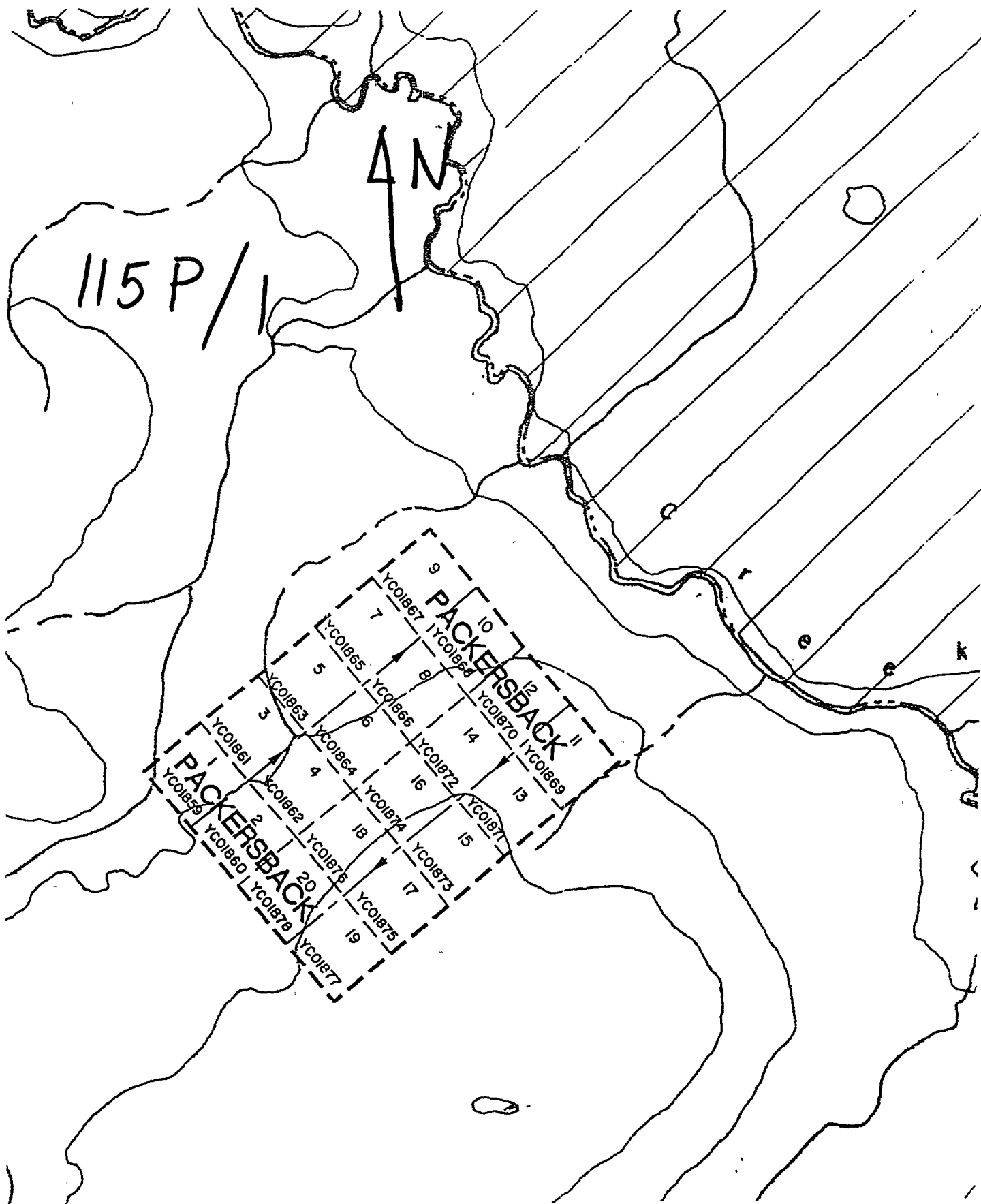


Figure 2 Claim Map

LOCATION AND ACCESS.

The claims are located 40-km northeast of Pelly Crossing and 60-km southwest of Mayo immediately west of Crooked Creek and the Tintina Trench on map sheet 115P/1 (Figure 1) The property is accessible by helicopter from Mayo or by foot from the Klondyke Highway seven km to the southwest

CLAIMS

Quartz claims being renewed include the Packersback 1-20, Grant Numbers YC01859 – YC01878 inclusive Owner is Gordon G Richards. Fieldwork was done by Mr Dave Bennett and Mr. Gordon Richards on July 11 and 12, 2000 for the owner.

HISTORY.

RGS data, shown on Figure 3, provided silts variably anomalous for Au, As, and Sb throughout the large area between Crooked Creek and the Klondyke Highway in an area of gentle relief with elevations between 2000 and 3500 feet. Follow-up prospecting in 1999 led to the staking of claims at the time of initial prospecting to cover an area with little outcrop and low but persistent float of crackled to brecciated quartzite An area of angular Kspar-porphyrific granite rubble in the centre of the claims was nearby. See Figure 3

Till samples were collected across presumed westerly to southwesterly flowing ice direction Silts and rocks were collected wherever sensible Results indicated three areas of interest, one of which occurred on the claims. All Au results are shown on Figure 3 and Au and 32 element ICP results are provided in the Appendix. Two areas outside the claims, N9 to N13 in the south and N27 in the north returned moderately anomalous Au with anomalous As and Sb.

On the claims, W52 yielded the highest Au value, 95ppb, together with 92 ppm As, 10ppm Sb and 0.6 ppm Ag, all strongly anomalous values This sample was near the angular granite rubble and at the downslope limit of sampling. Thus it was thought that a target of gold mineralization existed around and to the west of this sample

In 2000 additional prospecting was conducted in the three targets described, with results provided below.

GEOCHEMISTRY.

Till samples were collected by digging holes with a shovel to a depth of 30 to 60 cm to get beneath a layer of mixed loess and till to as pure a sample of till, or sometimes soil, as possible. About two-kg of material was placed in numbered bags for analyses.

The area lies just beyond the limit of McConnell Glaciation as described in GSC Open File 3694 by A. Duk-Rodkin. This Open File describes a pattern of earliest Pliocene to early Pleistocene Glacial deposits (from ca. 3 Ma) as being present on ridge tops in the area, with Middle Pleistocene Glacial deposits (ca. 200ka) being present at lower elevations with a westerly movement of ice.

Mixing of tills with loess, difficulty at some sites of determining sample material make interpretation somewhat of a problem. However, anomalous results probably indicate an up-ice source of mineralization within no more than one or two km particularly when supported by one or more of the pathfinder elements As, Sb and Ag. ICP analysis, which was done on all samples, showed no Bi values higher than the threshold level of two ppm. As 0.5 ppm Bi is strongly anomalous, a mass spec analysis was done on nine samples that were anomalous for Au, As, and Sb, in Feb 2000 to determine if this method would yield anomalous Bi values. None were found and thus the cheaper ICP analysis was done on this year's samples.

Interpretation of results is shown on Figure 3 by a contour representing 15 ppb Au. Single +15 ppb Au samples were not contoured. On the claims, a 700 by 1000 meter area of anomalous Au in tills encompasses the area of Kspar porphyritic granite. Although As and Sb results are not shown on the map it is clear from a look at the results in the Appendix, that anomalous As and Sb, strongly correlate with anomalous Au.

Rock samples collected from the survey were made up of three to seven chips and placed in numbered kraft sample bags. Eight rock chip samples were collected throughout the 15-ppb Au area with E25, a dark phyllite, providing the high of 14-ppb Au. Other rock chips were ~5 ppb Au. All were quartzite with minor muscovite and were limonite stained along fractures with some small hairline quartz veinlets. Sample W11, east of the 15 ppb Au contour ran 40 ppb Au and was similar though crackling was intense enough to provide a breccia texture. Limiting till samples should not be used too aggressively in evaluation of ultimate Au-anomaly size as dilution with loess or

inadvertent sampling of glacial outwash material could falsely limit the extent of anomalous geochemistry

South of the claims a two-km by one-km zone of 15 ppb Au on the upland ridge and steep southeast slope occurs associated with flat-lying quartzite and quartz-chlorite schist. No intrusive rubble or outcrop was seen. As and Sb are again highly correlatable with anomalous gold as can be seen from the results in the Appendix. Sample density is low and more detail is required to help determine the cause of the anomalous gold. Four rock chips of limonitic crackled quartzite all returned values of ~1 ppb Au. The source could be from less resistant and more reactive interbeds of schist and phyllite not exposed as either float or outcrop. Trenching may be necessary to expose such rocks.

GEOLOGY.

Mapping by H.S. Bostock, 1964, Map 1143A McQuesten shows the immediate area of the claims to be underlain by paragneiss, quartzite, schist, phyllite and limestone of the Yukon Group. The Tintina Trench lies immediately northeast of the claim block and a granodiorite intrusion trending northwest lies between the property and the Klondyke Highway.

All outcrops found were flat-lying quartzites with trace to a few percent muscovite and minor thin carbonaceous quartzite horizons. The steepest attitude was 48° southeast at D83 in the southeast corner of sampling. Elsewhere dips are less than 20°. Some large quartzite boulders on the southeast slope at R54 to R56 displayed tight S-type folding approaching isoclinal folding. Chlorite schist, quartz-muscovite schist and dark phyllite were other metamorphic rock types seen as float, particularly in the area of the southern 15 ppb gold anomaly.

Angular Kspar porphyritic boulders were found across about two hundred meters of the north facing slope near E3 to E5 around a small quartzite outcrop. Quartz content of the granite is 25 percent, Kspar phenocrysts measuring up to two cm long about two percent, biotite about five percent with the balance as groundmass feldspars. A small granite plug is believed to occur nearby.

Quartzite veinlets and veins are common in the quartzite and do not correlate with anomalous gold geochemistry as they are found everywhere.

Stratigraphy has not been previously described although mapping by Maurice Colpron on 105L/13, south of the area, is available in DIAND Open File 1998-3 (G) and of some use in evaluating the stratigraphy on the property. The writer's 2000 prospecting involved working in the area mapped by Colpron and it seems likely that the quartzite on the property is the same as Unit 1 of Colpron. On Pelmac ridge the quartzite is underlain in some areas by dolomitic schists and dolomitic quartzites, both highly reactive rocks to mineralizing fluids and thus excellent hosts for epithermal gold mineralization. Top of such rocks could lie within a few hundred feet of the 15-ppb gold till anomalies.

Main alteration seen on the Packersback claims is limonitic fractures occasionally intense enough to provide a breccia texture. Such alteration occurs as float and in outcrops at R76 and R78. As none of these rocks were very anomalous, the gold in till anomaly is unexplained. Rocks more strongly anomalous for gold may exist but be too recessively weathered to form outcrop or float.

.CONCLUSIONS AND RECOMMENDATIONS.

The Packersback 1-20 claim block covers the smaller of two anomalous gold zones defined by 15 ppb Au in tills. High As and Sb correlate well with high gold values. Mass spec analyses, with lower detection levels than ICP analyses, on some 1999 samples anomalous for Au, As and Sb provided low values for other elements such as Bi and W. The 15 ppb Au zone includes a 200-m zone of angular Kspar porphyritic rubble that probably represents a nearby small plug of granite possibly genetically related to gold mineralization. The till anomaly may extend a considerable distance to the northwest as sampling in this direction is difficult. Rock chips of limonite-stained crackled to brecciated quartzite were all low in gold, -7ppb Au. E25, a dark phyllite, assayed 14 ppb Au.

By analogy with mapped stratigraphy to the south, the flat lying quartzite found throughout the property, may be immediately underlain by dolomitic schists and dolomitic quartzites that would form a highly reactive host for epithermal mineralizing fluids associated with the granite. The thick brittle quartzite would have served as an impermeable cap to ascending mineralizing fluids, with local brittle breaking forming the limonite stained, crackled, brecciated quartzite that is variably anomalous for Au, As, and

Sb This model provides an excellent target for developing significant-grade gold mineralization

More detailed sampling and mapping are required to define the limits of anomalous gold and understand stratigraphy better prior to testing this model
Prospecting along the main creek, west of camp, might find mineralized boulders transported by ice and exposed by development of the creek Also, digging shallow pits or trenches within the gold anomalous zones is recommended to help discover more strongly gold mineralized rocks than the quartzites. Finally, tighter sampling within and around the 15 ppb Au anomaly is recommended along with an attempt to extend till sampling to the northwest on the more gentle slopes, although permafrost and outwash deposits makes this sampling area difficult

Induced polarization surveys could be considered soon after the above work to search for a blind sulfide system in the dolomitic metasediments that is proposed to underlie the quartzites.

Respectfully submitted



Gordon G Richards, P Eng

STATEMENT OF COSTS

Wages

D Bennett June 11,12	2 days @ \$600/day	\$1200.00
G Richards June 11	1 day @ \$400/day	400.00

Expenses

Chemex: portion of A0024202, A0024200, A0011649	691.76
Supplies: string, propane, flagging, notes	50.00
Trans North Helicopters: ½ 24690	371.56
Food: 3 man days @ \$35/man day	105.00
Truck: 200 km @ .42 km	82.00

Report

Drafting, writing, reproductions, collating	<u>2500.00</u>
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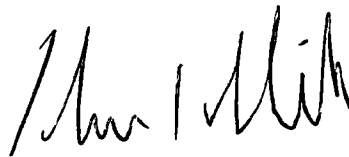
TOTAL **\$ 5400.32**

STATEMENT OF QUALIFICATIONS

I, Gordon G Richards, of 6170 Tisdall Street, Vancouver, B C , Canada do hereby certify that

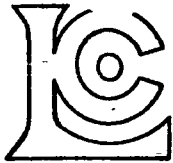
- 1 I am a graduate of The University of British Columbia (B.A.Sc in Geology 1968, M.A Sc in Geology 1974)
- 2 I am registered as a Professional Engineer in the Province of British Columbia.
- 3 I have practiced my profession since 1968.
- 4 This report is based on my fieldwork and supervision of Mr D Bennett's fieldwork during July 11,12, 2000 and literature cited.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Gordon G Richards', written in a cursive style.

Gordon G Richards, P.Eng

APPENDIX. GEOCHEMICAL RESULTS.



Chemex Labs 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 RICHARDS, GORDON

6170 TISDALL ST.
 VANCOUVER, BC
 V5Z 3N4

A0011649

Comments ATTN GORDON RICHARDS

CERTIFICATE **A0011649**

(NDJ) - RICHARDS, GORDON

Project TIN
 P.O #

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 04-FEB-2000.

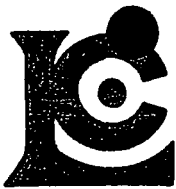
SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	9	Pulp; prev. prepared at Chemex

* 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
9201	9	Al %: ICP + ICP-MS package	ICP	0.01	15.00
9202	9	Sb ppm: ICP + ICP-MS package	ICP-MS/ICP	0.1	10000
9203	9	As ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
9204	9	Ba ppm: ICP + ICP-MS package	ICP	10	10000
9205	9	Be ppm: ICP + ICP-MS package	ICP	0.05	100.0
9206	9	Bi ppm: ICP + ICP-MS package	ICP-MS/ICP	0.01	10000
9235	9	B ppm: ICP + ICP-MS package	ICP	10	10000
9207	9	Cd ppm: ICP + ICP-MS package	ICP-MS/ICP	0.02	500
9208	9	Ca %: ICP + ICP-MS package	ICP	0.01	15.00
9209	9	Cr ppm: ICP + ICP-MS package	ICP	1	10000
9210	9	Co ppm: ICP + ICP-MS package	ICP	0.2	10000
9211	9	Cu ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
9212	9	Ga ppm: ICP + ICP-MS package	ICP-MS/ICP	0.1	10000
9213	9	Ge ppm: ICP + ICP-MS package	ICP-MS	0.1	500
9214	9	Fe %: ICP + ICP-MS package	ICP	0.01	15.00
9215	9	La ppm: ICP + ICP-MS package	ICP	10	10000
9216	9	Pb ppm: ICP + ICP-MS package	ICP	2	10000
9217	9	Mg %: ICP + ICP-MS package	ICP	0.01	15.00
9218	9	Mn ppm: ICP + ICP-MS package	ICP	5	10000
9219	9	Hg ppm: ICP + ICP-MS package	ICP-MS/ICP	0.01	10000
9220	9	Mo ppm: ICP + ICP-MS package	ICP-MS/ICP	0.2	10000
9221	9	Ni ppm: ICP + ICP-MS package	ICP	1	10000
9222	9	P ppm: ICP + ICP-MS package	ICP	10	10000
9223	9	K %: ICP + ICP-MS package	ICP	0.01	10.00
9224	9	Sc ppm: ICP + ICP-MS package	ICP	1	10000
9237	9	Se ppm: ICP + ICP-MS package	ICP-MS/ICP	0.5	1000
9225	9	Ag ppm: ICP + ICP-MS package	ICP-MS/ICP	0.02	100.0
9226	9	Na %: ICP + ICP-MS package	ICP	0.01	10.00
9227	9	Sr ppm: ICP + ICP-MS package	ICP	1	10000
9236	9	S %: ICP + ICP-MS package	ICP	0.01	5.00
9228	9	Te ppm: ICP + ICP-MS package	ICP-MS	0.05	500
9229	9	Tl ppm: ICP + ICP-MS package	ICP-MS/ICP	0.02	10000
9230	9	Ti %: ICP + ICP-MS package	ICP	0.01	10.00
9231	9	W ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
9232	9	U ppm: ICP + ICP-MS package	ICP-MS/ICP	0.05	10000
9233	9	V ppm: ICP + ICP-MS package	ICP	1	10000
9234	9	Zn ppm: ICP + ICP-MS package	ICP	2	10000

AA/16



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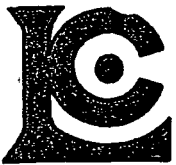
6170 TISDALL ST.,
 VANCOUVER, BC
 V5Z 3N4

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 Comments: ATTN: GORDON RICHARDS

Page No.: 1-B
 Total Pages: 1
 Certificate Date: 04-FEB-2000
 Invoice No.: 10011649
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 Account: NDJ

CERTIFICATE OF ANALYSIS A0011649

SAMPLE	PREP CODE	Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
99N 4	244 --	0.02	4.0	5	90	0.13	< 1	2.5	0.32	< 0.01	5	< 0.01	0.15	0.02	< 0.01	0.20	0.25	6	14
99W 39	244 --	< 0.01	0.6	6	40	0.03	< 1	< 0.5	0.06	< 0.01	4	< 0.01	< 0.05	< 0.02	< 0.01	0.15	0.10	< 1	4
99N 9	244 --	0.05	0.8	25	210	0.03	4	0.5	0.18	< 0.01	14	< 0.01	< 0.05	0.08	0.01	0.25	0.75	32	50
99N 10	244 --	0.01	1.4	28	530	0.07	2	0.5	0.20	< 0.01	10	0.01	0.05	0.08	0.01	0.15	0.85	27	68
99N 11	244 --	0.01	1.2	24	490	0.07	1	< 0.5	0.42	< 0.01	10	0.01	0.05	0.08	0.02	0.20	0.75	30	54
99N 12	244 --	0.01	1.2	27	160	0.06	2	0.5	0.08	< 0.01	9	< 0.01	< 0.05	0.08	0.01	0.15	0.70	25	56
99N 27	244 --	0.08	1.2	17	310	0.04	4	0.5	0.06	0.01	16	< 0.01	< 0.05	0.06	0.03	0.15	1.30	33	44
99W 51	244 --	0.04	1.0	14	480	0.04	2	< 0.5	0.10	0.01	16	< 0.01	< 0.05	0.08	0.03	0.30	0.75	26	42
99W 52	244 --	0.20	1.6	21	590	0.06	3	0.5	0.66	< 0.01	24	< 0.01	0.05	0.18	0.02	0.20	1.65	29	62



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 Total Pages: 1
 Certificate Date: 04-FEB-2000
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 Account: NDJ

CERTIFICATE OF ANALYSIS A0011649

SAMPLE	PREP CODE	Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
99N 4	244 --	0.19	69.7	452	80	0.20	0.13	< 10	0.18	0.01	152	1.2	66.3	0.8	< 0.1	1.95	< 10	20	0.01	60
99W 39	244 --	0.03	4.3	41.8	30	< 0.05	< 0.01	< 10	0.02	0.01	133	2.0	17.4	0.1	< 0.1	0.31	< 10	< 2	< 0.01	30
99N 9	244 --	1.17	11.8	64.0	550	0.75	0.13	< 10	0.08	0.28	27	7.8	31.0	3.1	< 0.1	2.53	< 10	8	0.28	475
99N 10	244 --	0.97	26.3	127.0	180	0.50	0.17	< 10	0.10	0.06	20	9.0	38.0	3.1	< 0.1	2.86	10	12	0.28	280
99N 11	244 --	0.90	23.9	133.5	110	0.40	0.17	< 10	0.08	0.07	24	8.8	34.2	3.1	< 0.1	2.66	10	12	0.31	280
99N 12	244 --	1.00	23.5	105.5	180	0.45	0.13	< 10	0.10	0.05	27	9.4	35.2	2.6	< 0.1	2.41	< 10	10	0.33	230
99N 27	244 --	0.92	9.1	64.4	240	0.55	0.14	< 10	0.06	0.13	22	7.6	29.8	3.1	< 0.1	2.36	10	8	0.29	215
99W 51	244 --	0.94	2.6	31.2	250	0.40	0.13	< 10	0.06	0.19	21	4.8	19.2	3.3	< 0.1	1.84	10	6	0.33	160
99W 52	244 --	1.20	17.0	108.5	400	0.50	0.22	< 10	0.10	0.20	25	8.2	44.6	3.9	< 0.1	2.40	10	12	0.33	225



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A0024202

Comments: ATTN: GORDON RICHARD

CERTIFICATE

A0024202

(NDJ) - RICHARDS, GORDON

Project: PACKER BACK
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 04-AUG-2000.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
216	66	sieve to -150 mesh
202	66	save reject
229	66	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
3993	66	Au ppb: Fuse 30 gram-EXT-AA fin.	FA-EXT-AA	1	1000
2118	66	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	66	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	66	As ppm: 32 element, soil & rock	ICP-AES	2	10000
557	66	B ppm: 32 element, rock & soil	ICP-AES	10	10000
2121	66	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	66	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	66	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	66	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	66	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	66	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	66	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	66	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	66	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	66	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	66	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	66	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	66	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	66	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	66	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	66	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	66	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	66	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	66	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	66	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
551	66	S %: 32 element, rock & soil	ICP-AES	0.01	5.00
2141	66	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	66	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	66	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	66	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	66	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	66	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	66	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	66	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	66	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



ALS Chemex

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 Account : NDJ

Project : PACKER BACK
 Comments : ATTN: GORDON RICHARD

CERTIFICATE OF ANALYSIS

A0024202

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
D59	216	202	160	< 1	0.01	18	520	6	< 0.01	6	3	15	0.02	< 10	< 10	28	< 10	60
D60	216	202	210	< 1	0.01	23	500	8	< 0.01	2	2	14	0.03	< 10	< 10	29	< 10	56
D61	216	202	220	< 1	0.01	20	540	6	< 0.01	2	3	21	0.04	< 10	< 10	32	< 10	56
D62	216	202	250	1	0.01	23	410	8	< 0.01	2	5	18	0.04	< 10	< 10	47	< 10	52
D64	216	202	310	< 1	0.01	34	340	8	< 0.01	10	3	14	0.02	< 10	< 10	35	< 10	68
D66	216	202	500	< 1	0.01	51	320	6	< 0.01	10	6	19	0.01	< 10	< 10	48	< 10	72
D68	216	202	550	< 1	0.01	52	540	10	0.04	58	4	35	0.03	< 10	< 10	36	< 10	82
D69	216	202	215	< 1	0.01	21	370	8	0.02	6	2	23	0.03	< 10	< 10	32	< 10	46
D70	216	202	440	< 1	0.01	30	710	8	0.01	2	3	40	0.04	< 10	< 10	31	< 10	84
D74	216	202	135	< 1	0.01	21	470	8	0.01	4	2	17	0.02	< 10	< 10	32	< 10	62
D75	216	202	145	< 1	0.01	23	400	12	< 0.01	< 2	1	13	0.02	< 10	< 10	29	< 10	56
D76	216	202	175	< 1	0.01	17	200	22	< 0.01	2	2	11	0.02	< 10	< 10	34	< 10	52
D77	216	202	160	< 1	0.01	24	390	8	0.03	2	3	22	0.04	< 10	< 10	45	< 10	48
D78	216	202	230	< 1	0.01	30	610	4	0.03	10	4	24	0.04	< 10	< 10	39	< 10	48
D79	216	202	205	< 1	0.01	22	340	6	0.01	10	1	23	0.01	< 10	< 10	29	< 10	40
D80	216	202	135	< 1	0.01	21	660	6	< 0.01	2	2	10	0.03	< 10	< 10	43	< 10	46
D81	216	202	230	< 1	0.01	39	470	10	0.04	24	3	30	0.02	< 10	< 10	27	< 10	56
D82	216	202	660	1	0.02	26	650	6	0.27	14	3	209	0.03	< 10	< 10	26	< 10	80
E3	216	202	275	< 1	0.01	23	680	10	< 0.01	6	3	20	0.04	< 10	< 10	46	< 10	76
E5	216	202	370	< 1	0.01	42	270	6	< 0.01	6	6	13	0.03	< 10	< 10	57	< 10	62
E7	216	202	230	1	0.01	23	370	6	< 0.01	6	3	14	0.03	< 10	< 10	49	< 10	70
E8	216	202	425	< 1	< 0.01	44	1300	26	0.02	12	1	20	< 0.01	10	< 10	10	< 10	106
E9	216	202	405	< 1	0.01	28	760	8	< 0.01	4	3	31	0.04	< 10	< 10	37	< 10	78
E10	216	202	285	< 1	0.01	31	450	12	0.01	< 2	5	30	0.05	< 10	< 10	45	< 10	74
E11	216	202	260	< 1	0.01	30	640	10	< 0.01	4	4	30	0.04	< 10	< 10	35	< 10	74
E12	216	202	325	< 1	0.02	32	700	8	0.01	< 2	4	28	0.05	< 10	< 10	41	< 10	94
E13	216	202	315	< 1	0.01	17	590	4	< 0.01	< 2	3	28	0.05	< 10	< 10	41	< 10	48
E14	216	202	255	< 1	0.01	26	660	4	< 0.01	2	4	28	0.04	< 10	< 10	39	< 10	64
E15	216	202	300	< 1	0.01	26	540	4	< 0.01	< 2	4	25	0.06	< 10	< 10	43	< 10	64
E16	216	202	200	< 1	0.01	25	150	8	< 0.01	6	3	19	0.03	< 10	< 10	27	< 10	60
E17	216	202	565	< 1	0.02	33	430	8	< 0.01	< 2	5	27	0.06	< 10	< 10	47	< 10	60
E18	216	202	240	< 1	0.01	23	340	6	< 0.01	4	3	20	0.04	< 10	< 10	33	< 10	50
E19	216	202	270	< 1	0.01	30	470	10	< 0.01	10	3	17	0.01	< 10	< 10	21	< 10	66
E21	216	202	230	< 1	0.01	23	540	6	< 0.01	6	2	18	0.03	< 10	< 10	30	< 10	60
E22	216	202	390	< 1	0.01	37	690	12	0.01	16	3	18	0.01	< 10	< 10	19	< 10	96
E23	216	202	405	< 1	0.01	37	630	10	< 0.01	14	5	19	0.02	< 10	< 10	30	< 10	80
E26	216	202	185	< 1	0.01	18	430	6	< 0.01	4	3	15	0.03	< 10	< 10	33	< 10	50
R50	216	202	160	< 1	< 0.01	19	260	8	< 0.01	6	1	9	0.01	< 10	< 10	24	< 10	50
R51	216	202	180	< 1	< 0.01	25	210	10	0.01	16	2	10	0.01	< 10	< 10	24	< 10	62
R52	216	202	245	< 1	0.01	24	540	4	< 0.01	10	4	27	0.06	< 10	< 10	39	< 10	54

CERTIFICATION: 



ALS Chemex

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J: RICHARDS, GORDON

6170 TISDALL ST.,
 VANCOUVER, BC
 V5Z 3N4

Page No. : 2-A
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 Invoice No. : I0024202
 P.O. Number :
 Account : NDJ

Project : PACKER BACK
 Comments : ATTN: GORDON RICHARD

CERTIFICATE OF ANALYSIS

A0024202

SAMPLE	PREP CODE	Au ppb EXT-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 %
R53	216 202	6	0.2	1.03	102	< 10	130	< 0.5	< 2	0.06	< 0.5	9	17	32	2.46	< 10	< 1	0.07	10	0.29
R54	216 202	< 1	< 0.2	1.11	28	< 10	270	< 0.5	< 2	0.24	< 0.5	9	22	17	2.23	< 10	< 1	0.13	10	0.36
R55	216 202	5	< 0.2	1.21	32	< 10	230	< 0.5	< 2	0.30	< 0.5	11	28	32	2.54	< 10	< 1	0.13	10	0.40
R56	216 202	< 1	< 0.2	0.97	34	< 10	130	< 0.5	< 2	0.21	< 0.5	8	23	16	2.03	< 10	< 1	0.12	< 10	0.33
R57	216 202	11	< 0.2	0.89	88	< 10	200	< 0.5	< 2	0.18	< 0.5	8	17	23	2.06	< 10	< 1	0.16	10	0.27
R60	216 202	9	< 0.2	1.13	44	< 10	280	< 0.5	< 2	0.28	< 0.5	8	27	22	2.24	< 10	< 1	0.12	10	0.43
R61	216 202	23	< 0.2	1.38	46	< 10	260	< 0.5	< 2	0.25	< 0.5	9	65	26	2.48	< 10	< 1	0.08	10	0.70
R62	216 202	4	< 0.2	1.02	20	< 10	190	< 0.5	< 2	0.23	< 0.5	8	30	16	2.15	< 10	< 1	0.07	< 10	0.38
R63	216 202	2	< 0.2	1.06	36	< 10	170	< 0.5	< 2	0.21	< 0.5	8	28	21	2.33	< 10	< 1	0.07	< 10	0.44
R64	216 202	8	< 0.2	1.49	62	< 10	170	< 0.5	< 2	0.11	< 0.5	9	26	20	2.56	< 10	< 1	0.08	10	0.46
R65	216 202	14	< 0.2	1.31	38	< 10	320	< 0.5	< 2	0.13	< 0.5	8	26	27	2.44	< 10	< 1	0.05	10	0.37
R66	216 202	9	0.2	1.60	32	< 10	250	0.5	< 2	0.08	< 0.5	10	23	29	2.90	< 10	< 1	0.07	10	0.31
R68	216 202	12	< 0.2	1.39	24	< 10	470	0.5	< 2	0.26	< 0.5	9	25	29	2.46	< 10	< 1	0.07	10	0.44
R69	216 202	3	< 0.2	1.37	56	< 10	260	< 0.5	< 2	0.09	< 0.5	9	17	19	2.17	< 10	< 1	0.05	10	0.23
R71	216 202	4	0.2	0.65	42	< 10	140	< 0.5	< 2	0.14	< 0.5	11	10	35	2.76	< 10	< 1	0.11	30	0.10
R72	216 202	29	< 0.2	0.97	64	< 10	120	< 0.5	< 2	0.13	< 0.5	8	18	32	2.37	< 10	< 1	0.06	10	0.28
R75	216 202	4	< 0.2	1.64	14	< 10	330	< 0.5	< 2	0.11	< 0.5	9	31	23	2.64	< 10	< 1	0.05	10	0.44
R77	216 202	7	< 0.2	1.55	28	< 10	260	0.5	< 2	0.07	< 0.5	11	26	39	2.53	< 10	< 1	0.05	10	0.36
R79	216 202	8	< 0.2	0.41	70	< 10	100	< 0.5	< 2	0.03	< 0.5	5	6	35	2.46	< 10	< 1	0.12	20	0.04
R80	216 202	9	0.2	1.21	56	< 10	230	< 0.5	< 2	0.06	< 0.5	5	18	22	2.01	< 10	< 1	0.04	10	0.20
R81	216 202	10	< 0.2	1.20	46	< 10	270	< 0.5	< 2	0.11	< 0.5	5	23	28	2.29	< 10	< 1	0.05	10	0.28
R82	216 202	12	< 0.2	0.56	36	< 10	210	< 0.5	< 2	0.08	< 0.5	4	10	28	2.13	< 10	< 1	0.09	30	0.10
R83	216 202	6	< 0.2	1.34	42	< 10	130	< 0.5	< 2	0.06	< 0.5	10	15	25	3.03	< 10	< 1	0.05	30	0.50
R84	216 202	4	0.2	1.04	22	< 10	260	< 0.5	< 2	0.15	< 0.5	11	17	22	2.57	< 10	< 1	0.07	10	0.27
R85	216 202	< 1	< 0.2	1.16	30	< 10	200	< 0.5	< 2	0.12	< 0.5	14	22	30	2.93	< 10	< 1	0.10	20	0.47
R95	216 202	< 1	< 0.2	0.90	10	< 10	110	< 0.5	< 2	0.77	< 0.5	10	19	19	1.97	< 10	< 1	0.09	< 10	0.44

CERTIFICATION:

Sand/China



ALS Chemex

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6170 TISDALL ST.,
 VANCOUVER, BC
 V5Z 3N4

A0024200

Comments: ATTN: GORDON RICHARD

CERTIFICATE

A0024200

(NDJ) - RICHARDS, GORDON

Project: PACKER BACK
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 04-AUG-2000.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	18	Geochem ring to approx 150 mesh
226	18	0-3 Kg crush and split
3202	18	Rock - save entire reject
229	18	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
3993	18	Au ppb: Fuse 30 gram-EXT-AA fin.	FA-EXT-AA	1	1000
2118	18	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	18	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	18	As ppm: 32 element, soil & rock	ICP-AES	2	10000
557	18	B ppm: 32 element, rock & soil	ICP-AES	10	10000
2121	18	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	18	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	18	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	18	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	18	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	18	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	18	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	18	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	18	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	18	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	18	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	18	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	18	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	18	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	18	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	18	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	18	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	18	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	18	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	18	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
551	18	S %: 32 element, rock & soil	ICP-AES	0.01	5.00
2141	18	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	18	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	18	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	18	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	18	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	18	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	18	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	18	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	18	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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Project: PACKER BACK
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Page Number: 2-B
 Total Pages: 2
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CERTIFICATE OF ANALYSIS A0024202

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
R53	216	202	200	< 1	< 0.01	26	610	8	0.02	30	2	11	0.02	< 10	< 10	32	< 10	60
R54	216	202	185	< 1	< 0.01	25	960	8	< 0.01	8	3	21	0.03	< 10	< 10	35	< 10	52
R55	216	202	245	< 1	0.01	30	420	2	< 0.01	4	4	21	0.05	< 10	< 10	44	< 10	48
R56	216	202	165	< 1	0.01	21	230	4	< 0.01	< 2	3	14	0.05	< 10	< 10	39	< 10	38
R57	216	202	170	< 1	0.01	24	230	12	0.01	4	3	15	0.03	< 10	< 10	26	< 10	56
R60	216	202	240	< 1	0.01	24	480	8	< 0.01	12	3	20	0.04	< 10	< 10	38	< 10	48
R61	216	202	245	< 1	0.01	33	280	6	< 0.01	6	6	18	0.04	< 10	< 10	48	< 10	48
R62	216	202	190	< 1	0.01	22	290	4	< 0.01	6	4	17	0.05	< 10	< 10	43	< 10	40
R63	216	202	195	< 1	0.01	26	390	6	< 0.01	6	2	16	0.04	< 10	< 10	44	< 10	46
R64	216	202	200	< 1	0.01	25	260	6	< 0.01	12	3	12	0.04	< 10	< 10	46	< 10	50
R65	216	202	205	< 1	0.01	29	110	6	< 0.01	6	4	14	0.04	< 10	< 10	42	< 10	58
R66	216	202	240	< 1	0.01	29	180	12	< 0.01	12	3	11	0.02	< 10	< 10	37	< 10	64
R68	216	202	270	< 1	0.01	30	270	8	< 0.01	< 2	5	20	0.03	< 10	< 10	36	< 10	60
R69	216	202	175	< 1	< 0.01	28	400	8	< 0.01	2	2	10	0.01	< 10	< 10	34	< 10	54
R71	216	202	245	< 1	< 0.01	37	290	14	0.01	6	1	19	< 0.01	10	< 10	21	< 10	68
R72	216	202	180	1	0.01	22	520	8	0.01	8	2	16	0.03	< 10	< 10	36	< 10	44
R75	216	202	230	< 1	0.01	24	190	10	< 0.01	< 2	4	14	0.05	< 10	< 10	49	< 10	48
R77	216	202	185	< 1	< 0.01	36	140	10	< 0.01	2	3	12	0.02	< 10	< 10	34	< 10	60
R79	216	202	70	< 1	< 0.01	24	580	28	0.01	6	1	14	< 0.01	< 10	< 10	9	< 10	54
R80	216	202	75	< 1	< 0.01	13	190	12	< 0.01	2	1	11	0.02	< 10	< 10	32	< 10	30
R81	216	202	110	< 1	0.01	15	180	12	< 0.01	2	4	18	0.03	< 10	< 10	34	< 10	34
R82	216	202	85	1	< 0.01	16	530	22	0.01	6	1	17	< 0.01	10	< 10	16	< 10	42
R83	216	202	220	< 1	< 0.01	29	340	14	0.01	< 2	1	11	0.01	10	< 10	15	< 10	70
R84	216	202	495	< 1	0.01	26	520	10	< 0.01	4	2	15	0.01	< 10	< 10	28	< 10	70
R85	216	202	340	< 1	< 0.01	37	240	14	< 0.01	2	2	14	0.01	< 10	< 10	21	< 10	74
R95	216	202	325	< 1	0.01	18	710	8	0.03	2	3	32	0.04	< 10	< 10	26	< 10	50

CERTIFICATION:



ALS Chemex

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TO: RICHARDS, GORDON

6170 TISDALL ST.,
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Page Number : 1-A
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Project : PACKER BACK
 Comments: ATTN: GORDON RICHARD

CERTIFICATE OF ANALYSIS A0024200

SAMPLE	PREP CODE	Au ppb EXT-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 %
D63	205 226	< 1	< 0.2	0.50	20	< 10	110	< 0.5	< 2	0.11	< 0.5	4	140	11	1.04	< 10	< 1	0.23	10	0.13
D65	205 226	< 1	< 0.2	1.68	48	< 10	300	< 0.5	< 2	0.03	< 0.5	7	128	63	3.51	< 10	< 1	0.35	20	0.54
D67	205 226	< 1	< 0.2	0.18	8	< 10	20	< 0.5	< 2	0.03	< 0.5	4	212	41	0.78	< 10	< 1	0.05	< 10	0.04
E1	205 226	5	< 0.2	0.13	6	< 10	110	< 0.5	< 2	< 0.01	< 0.5	1	241	4	0.47	< 10	< 1	0.04	< 10	< 0.01
E2	205 226	< 1	< 0.2	0.08	18	< 10	80	< 0.5	< 2	< 0.01	< 0.5	4	124	16	0.97	< 10	< 1	0.05	< 10	0.01
E4	205 226	2	0.2	0.22	50	< 10	60	< 0.5	< 2	< 0.01	< 0.5	6	168	27	1.12	< 10	< 1	0.17	< 10	0.01
E6	205 226	3	< 0.2	0.08	20	< 10	10	< 0.5	< 2	< 0.01	< 0.5	1	159	17	0.59	< 10	< 1	0.04	< 10	< 0.01
E20	205 226	6	< 0.2	0.07	30	< 10	90	< 0.5	< 2	< 0.01	< 0.5	< 1	120	16	0.69	< 10	< 1	0.05	< 10	< 0.01
E24	205 226	< 1	< 0.2	0.23	12	< 10	60	< 0.5	< 2	< 0.01	< 0.5	4	90	33	1.78	< 10	< 1	0.19	< 10	0.01
E25	205 226	14	< 0.2	0.20	40	< 10	90	< 0.5	< 2	< 0.01	< 0.5	3	158	10	0.77	< 10	< 1	0.16	< 10	0.01
E27	205 226	< 1	< 0.2	0.20	14	< 10	40	< 0.5	< 2	< 0.01	< 0.5	1	164	27	0.75	< 10	< 1	0.10	< 10	< 0.01
R58	205 226	3	< 0.2	0.22	108	< 10	290	< 0.5	< 2	0.02	< 0.5	5	155	10	1.20	< 10	< 1	0.18	< 10	0.03
R59	205 226	< 1	< 0.2	0.25	6	< 10	400	< 0.5	< 2	< 0.01	< 0.5	1	187	3	0.48	< 10	< 1	0.18	< 10	0.01
R70	205 226	5	< 0.2	0.16	36	< 10	130	< 0.5	< 2	0.01	< 0.5	3	177	26	0.95	< 10	< 1	0.11	< 10	0.01
R73	205 226	< 1	< 0.2	0.17	4	< 10	50	< 0.5	< 2	< 0.01	< 0.5	< 1	193	1	0.30	< 10	< 1	0.01	< 10	< 0.01
R74	205 226	< 1	< 0.2	0.11	< 2	< 10	170	< 0.5	< 2	< 0.01	< 0.5	< 1	128	1	0.18	< 10	< 1	0.07	< 10	< 0.01
R76	205 226	16	< 0.2	0.17	158	< 10	110	< 0.5	< 2	0.01	< 0.5	4	170	24	2.81	< 10	< 1	0.10	< 10	< 0.01
R78	205 226	2	0.2	0.25	6	< 10	60	< 0.5	< 2	< 0.01	< 0.5	1	173	14	0.72	< 10	< 1	0.15	< 10	0.01

CERTIFICATION:

Sato / [Signature]



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

o: RICHARDS, GORDON

6170 TISDALL ST.,
 VANCOUVER, BC
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Project : PACKER BACK
 Comments: ATTN: GORDON RICHARD

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 Total Pages : 1
 Certificate Date: 04-AUG-2000
 Invoice No. : I0024200
 P.O. Number :
 Account : NDJ

CERTIFICATE OF ANALYSIS A0024200

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
D63	205	226	125	1	0.01	14	520	12	< 0.01	6	< 1	6	< 0.01	< 10	< 10	6	< 10	48
D65	205	226	175	< 1	0.01	36	240	< 2	< 0.01	12	1	7	< 0.01	< 10	< 10	23	< 10	82
D67	205	226	60	1	< 0.01	15	170	< 2	< 0.01	2	< 1	1	< 0.01	< 10	< 10	9	< 10	16
E1	205	226	20	1	0.01	5	40	< 2	< 0.01	< 2	< 1	8	< 0.01	< 10	< 10	3	< 10	2
E2	205	226	445	< 1	< 0.01	12	50	< 2	< 0.01	8	< 1	1	< 0.01	< 10	< 10	1	< 10	24
E4	205	226	45	< 1	0.01	23	160	4	0.01	6	< 1	8	< 0.01	< 10	< 10	3	< 10	40
E6	205	226	20	12	< 0.01	9	100	10	< 0.01	2	< 1	9	< 0.01	< 10	< 10	21	< 10	24
E20	205	226	20	3	< 0.01	3	30	< 2	< 0.01	2	< 1	< 1	< 0.01	< 10	< 10	1	< 10	2
E24	205	226	125	< 1	< 0.01	32	160	< 2	< 0.01	< 2	< 1	3	< 0.01	< 10	< 10	4	< 10	36
E25	205	226	50	< 1	0.01	11	130	< 2	0.02	2	< 1	31	< 0.01	< 10	< 10	5	< 10	30
E27	205	226	20	1	< 0.01	6	80	< 2	< 0.01	2	< 1	< 1	< 0.01	< 10	< 10	6	< 10	2
R58	205	226	60	< 1	0.01	14	90	8	0.03	< 2	< 1	3	< 0.01	< 10	< 10	1	< 10	92
R59	205	226	75	1	< 0.01	8	50	6	< 0.01	8	< 1	3	< 0.01	< 10	< 10	5	< 10	6
R70	205	226	265	< 1	< 0.01	12	190	6	< 0.01	12	< 1	< 1	< 0.01	< 10	< 10	5	< 10	20
R73	205	226	15	1	< 0.01	4	70	< 2	< 0.01	< 2	< 1	4	< 0.01	< 10	< 10	< 1	< 10	< 2
R74	205	226	5	< 1	< 0.01	3	10	< 2	< 0.01	< 2	< 1	< 1	< 0.01	< 10	< 10	1	< 10	< 2
R76	205	226	215	< 1	< 0.01	18	400	< 2	0.01	12	< 1	5	< 0.01	< 10	< 10	7	< 10	64
R78	205	226	25	< 1	< 0.01	6	60	< 2	< 0.01	2	< 1	< 1	< 0.01	< 10	< 10	3	< 10	2

CERTIFICATION:

[Handwritten Signature]



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J: RICHARDS, GORDON

6170 TISDALL ST.,
 VANCOUVER, BC
 V5Z 3N4

A0024610

Comments: ATTN: GORDON RICHARD

CERTIFICATE

A0024610

(NDJ) - RICHARDS, GORDON

Project: PACKERS BACK
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 07-AUG-2000.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	2	Geochem ring to approx 150 mesh
226	2	0-3 Kg crush and split
3202	2	Rock - save entire reject
229	2	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
3993	2	Au ppb: Fuse 30 gram-EXT-AA fin.	FA-EXT-AA	1	1000
2118	2	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	2	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	2	As ppm: 32 element, soil & rock	ICP-AES	2	10000
557	2	B ppm: 32 element, rock & soil	ICP-AES	10	10000
2121	2	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	2	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	2	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	2	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	2	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	2	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	2	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	2	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	2	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	2	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	2	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	2	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	2	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	2	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	2	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	2	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	2	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	2	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	2	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	2	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
551	2	S %: 32 element, rock & soil	ICP-AES	0.01	5.00
2141	2	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	2	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	2	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	2	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	2	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	2	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	2	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	2	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	2	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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6170 TISDALL ST.,
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Project: PACKERS BACK
 Comments: ATTN: GORDON RICHARD

Page No. : 1-A
 Total Pages : 1
 Certificate Date: 07-AUG-2000
 Invoice No. : 10024610
 P.O. Number :
 Account : NDJ

CERTIFICATE OF ANALYSIS

A0024610

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 %
	EXT-AA																				
D83	205	226	< 1	< 0.2	0.13	46	< 10	80	< 0.5	< 2	0.03	< 0.5	7	78	27	0.51	< 10	< 1	0.06	< 10	0.03
R67	205	226	6	< 0.2	0.31	26	< 10	210	< 0.5	< 2	0.02	< 0.5	8	141	24	1.87	< 10	< 1	0.11	< 10	0.03

CERTIFICATION: 



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Project: PACKERS BACK
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CERTIFICATE OF ANALYSIS A0024610

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
D83	205	226	50	< 1	< 0.01	19	40	2	< 0.01	2	< 1	1	< 0.01	< 10	< 10	2	< 10	8
R67	205	226	300	< 1	0.01	24	60	8	< 0.01	2	1	5	< 0.01	< 10	< 10	7	< 10	34

YUKON ENERGY, MINES
 & RESOURCES LIBRARY
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CERTIFICATION:

PACKERS BACK PROPERTY

QUARTZ CLAIMS YC01859 - YC01878
PACKERSBACK 1-20

AU GEOCHEM / GEOLOGY

- Till
- Soil
- Silt
- △ Rock

15 ppb Au in tills & soils. Defined by more than one spot sample

Location of samples by hip chain, compass & topo bedding attitude

○ outcrop

All outcrops were quartzite

Angular Kspar porphyritic granite boulders in centre of claims

1999 samples N & W series 5 ppb Au sensitivity

2000 samples E, D & R series 1 ppb Au sensitivity

metres
0 500 1000

Scale 1:12,500

Jan 15 / 2000

