/ 82-7H-14455

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S)	TOTAL COST
GEOCHEMICAL	$4,414.00

AUTHOR(S) DARREL JOHNSON SIGNATURE(S) Darrel Johnson

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED March 4, 1986 YEAR OF WORK 1985

PROPERTY NAME(S) DIEF [redacted]

COMMODITIES ~~PRESENT~~ [redacted] Mn, Rhodonite, Jasper

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN [redacted] 82E/SW-17

MINING DIVISION OSOYOOS NTS [redacted] 82E/SW

LATITUDE [redacted] 49°16.6' LONGITUDE [redacted] 119°52.7'

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:

[redacted]

OC 1 (16 units), OC 2 (20 units), OC 3 (20 units)

OWNER(S)

(1) LACANA MINING CORPORATION (2)

MAILING ADDRESS

312 - 409 Granville St.

Vancouver, B.C. V6C 1T2

OPERATOR(S) (that is, Company paying for the work)

(1) LACANA MINING CORPORATION (2)

MAILING ADDRESS

312 - 409 Granville St.

Vancouver, B.C. V6C 1T2

FILMED

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,455

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

[redacted]

A thick jasper unit with irregular [redacted] rhodonite veins occur in Permian age manganiferous cherts, [redacted]. The geochemical survey did not identify any potential gold soil targets but a distinctive manganese signature exists.

REFERENCES TO PREVIOUS WORK [redacted] Assess. Report 406

(over)

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	COST APPORTIONED
GEOLOGICAL (scale, area)			
Ground			
Photo			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ....)			
Soil SOIL	190; multielement, Au	OL 2, 3	4414.00
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralogic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL			
Legal surveys (scale, area)			
Topographic (scale, area)			
Photogrammetric (scale, area)			
Line/grid (kilometres)			
Road, local access (kilometres)			
Trench (metres)			
Underground (metres)			
	Balance -nil	TOTAL COST	4414.00

FOR MINISTRY USE ONLY		NAME OF PAC ACCOUNT	DEBIT	CREDIT	REMARKS:
Value work done (from report)	4414.00				1/ Cost statement requires detail (ii) unit costs
Value of work approved	4414.00				2/ Location of sample lines should be confirmed (i) mark L.C.P. on map
Value claimed (from statement)	5600.00	LACANA MINING CORPORATION			
Value credited to PAC account	1186.00				
Value debited to PAC account			1186.00		
Accepted GO	Date June 25/86	Rept No 86-71-14455			Information Class (3)

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MAPS

SUMMARY

During June 1985, a contract crew marked a grid and collected 190 soil samples from Lacana's O.L. claim group on Olalla Creek in the Osoyoos Mining Division. Acme Analytical Labs of Vancouver, B.C. performed 30 element I.C.P. and separate gold geochemical analyses.

CONCLUSIONS AND RECOMMENDATIONS

Lacana's work to date on the O.L. claims has been limited to first-pass soil samples. This has not indicated any potential gold bearing targets.

Further exploration should consist of detailed mapping and sampling of the jasperoid unit. If this fails to indicate any gold potential the claims should be allowed to lapse.

INTRODUCTION

Location and Access

The O.L. 1 to 3 claims cover 1400 hectares extending from 1.5 km west of to 7.25 km west of the Village of Olalla, B.C. The south fork of Olalla Creek bisects the property.

Access is provided from Hwy 3 by the Olalla Creek road and branch roads, all requiring 4-wheel drive vehicles.

Claim Status

Claim	Record No.	No. Units	Expiry Date	Owner	Mining Div.
O.L. 1	2208	20	Mar 8, 1987	Lacana	Osoyoos
O.L. 2	2209	20	" "	"	"
O.L. 3	2210	16	" "	"	"

History

The O.L. claims were acquired by Lacana to cover a manganiferous jasperoid showing (Iron King) which has been explored since the late 1940's for either manganese or rhodonite (semi-precious stone) potential. There is no record of previous investigation of gold potential.

Geology

No new geological work was undertaken by Lacana in 1985. The capsule geological description below is from the "Report of the Minister of Mines", 1949.

> The principal types of rock exposed on the claims include both finely laminated and massive beds of chert and some beds of pebble conglomerate, of which both pebbles and matrix appear to be chert. The beds are black, red, white, or mottled. Old cuts, which have been partly cleaned out recently, prospect a bedded deposit of manganiferous chert on the Iron King No. 2 claim. The beds strike north 30 degrees west and dip about 65 degrees northeastward. In a horizontal distance of 380 feet and a vertical range of 200 feet, seven cuts prospect this bedded zone. Drift obscures the immediate extensions of the zone, and it is not exposed in the chert bluffs 2,000 feet northwest of the cuts. In the 380-foot length explored in the cuts, the zone is offset a few feet to the right at each of several northeasterly striking faults.
>
> The zone consists of bright red chert traversed by a network of minute veins containing rhodonite, which merge laterally into zones of hard black siliceous manganese ore containing small irregular masses of rhodonite and chert. The red chert zone is about 30 feet wide, but the zones containing manganese in fair amount range in width from 12 inches to about 10 feet.

Geochemstry

A contract crew under the supervision of Marco Romero of Shangri La Minerals Ltd undertook the marking of a baseline, running compassand string side lines and collecting of 190 soil samples for an all inclusive price of $2,400. Due to the steep terrain, most of the side lines were run along contours rather than on a strict compass bearing.

Samples were collected from the 'B' horizon using mattocks 'A' horizon organic material is common, with the 'B' generally found within 25 cm of surface, although it is contaminated with talus fragments in steeper areas of the property.

Samples were analyzed by Acme Analytical Laboratories of Vancouver using 30 element I.C.P. techniques, with a separate 10 gram sample processed by Atomic Absorption for gold content. Complete geochemical analytical results are attached as Appendix 'I'. Manganese and gold values are plotted on figure 3.

Discussion

Gold

Gold values are low throughout the entire area sampled, with only 4 of the 190 samples yielding more than 20 ppb, and no pattern or zonation evident.

Manganese

Manganese values in the soil are all elevated relative to other properties in the general southern portion of the province, ranging from 564 to 17,835 ppm. High values (over 5000 ppm) from a general north-south zone centred on the old adit, and at least partially caused by downslope disperson of dump material.

Iron

Iron content is also generally low, with little apparent variation or pattern.

APPENDIX I

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JUNE 21 1985 DATE REPORT MAILED: June 28/85 ASSAYER: D. Toye DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

LACANA MINING PROJECT - OL FILE # 85-1028 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
400N 550W	5	111	25	260	.5	63	18	1958	5.23	30	7	ND	8	22	1	2	2	70	.45	.29	17	65	.98	537	.11	11	2.05	.01	.15	1	13
400N 500W	2	78	19	293	.1	47	17	3523	3.41	11	5	ND	3	54	4	2	2	49	1.03	.24	13	31	.57	749	.09	14	1.70	.01	.19	1	1
400N 400W	2	39	13	347	.1	30	13	3647	3.06	12	5	ND	4	43	3	2	2	45	.71	.29	9	29	.46	639	.11	3	1.82	.02	.19	1	12
400N 350W	3	53	16	250	.2	35	17	4188	3.54	12	5	ND	6	45	2	2	2	49	.79	.18	15	34	.55	676	.11	17	1.81	.01	.22	1	1
400N 300W	2	51	20	149	.1	37	10	2793	3.02	8	5	ND	8	31	1	2	2	37	.40	.24	22	20	.36	291	.10	16	2.33	.02	.17	1	1
400N 250W	2	53	22	145	.1	27	9	3600	3.07	9	5	ND	7	23	1	2	2	26	.27	.12	20	18	.27	388	.04	11	1.20	.01	.18	1	1
400N 50W	1	122	43	159	.1	55	20	1441	3.19	36	5	ND	12	15	1	2	2	34	.15	.12	32	14	.16	174	.03	11	1.12	.01	.11	1	3
400N 150E	1	66	39	187	.2	46	10	564	3.25	20	5	ND	12	8	1	2	2	41	.05	.06	35	15	.12	196	.02	10	.99	.01	.08	1	9
400N 200E	1	23	17	179	.2	30	8	1431	2.43	6	5	ND	5	17	1	2	2	39	.21	.24	12	18	.24	325	.08	15	1.78	.02	.09	1	1
400N 250E	2	57	14	137	.1	40	12	1643	3.68	10	5	ND	6	11	1	3	2	67	.12	.14	15	35	.48	171	.11	4	2.30	.01	.06	1	1
400N 300E	1	15	6	124	.4	19	6	1162	1.91	3	5	ND	5	14	1	2	2	39	.15	.21	7	14	.20	272	.10	2	1.57	.03	.05	1	1
400N 350E	1	23	11	148	.5	41	12	3267	2.62	3	5	ND	5	20	1	2	2	48	.28	.15	12	34	.36	325	.09	11	2.13	.02	.10	1	1
400N 400E	1	55	17	139	.4	47	14	1340	3.71	5	10	ND	9	15	1	2	2	61	.21	.15	17	47	.55	308	.06	5	2.41	.01	.12	1	1
400N 450E	1	16	13	151	.1	21	7	1978	2.22	2	5	ND	4	20	1	2	2	40	.28	.21	7	13	.26	354	.13	12	2.12	.03	.08	1	1
300N 550W	2	120	15	149	.1	74	23	3318	4.75	16	5	ND	7	23	1	2	2	78	.72	.14	16	53	.93	570	.15	10	2.25	.01	.24	1	1
300N 500W	3	117	17	185	.2	64	23	3433	5.05	22	5	ND	8	32	1	3	4	72	.76	.22	16	55	.98	392	.10	15	2.20	.01	.23	1	4
300N 450W	2	81	16	170	.1	48	22	2661	4.63	13	5	ND	6	39	1	2	3	80	.86	.21	11	49	.94	532	.14	2	2.31	.01	.28	1	1
300N 400W	2	67	14	156	.1	41	17	2647	3.88	11	5	ND	4	45	1	2	2	62	.86	.15	14	36	.69	551	.12	2	1.95	.01	.17	1	1
300N 350W	2	67	18	176	.1	38	16	2947	3.49	14	5	ND	3	45	2	2	2	50	.88	.15	15	34	.55	570	.09	3	1.64	.01	.19	1	1
300N 300W	1	74	17	91	.2	42	13	2063	3.82	24	5	ND	9	20	1	2	5	38	.43	.11	21	34	.53	233	.05	2	1.20	.01	.26	1	1
300N 250W	1	53	16	116	.2	42	11	1552	3.53	14	5	ND	7	20	1	2	2	49	.30	.07	20	34	.43	249	.09	2	1.79	.01	.14	1	1
300N 200W	1	58	20	164	.3	39	19	1949	2.70	9	5	ND	7	23	1	2	4	39	.30	.12	17	21	.34	327	.07	2	1.86	.01	.14	1	2
300N 150W	1	17	10	192	.3	31	8	2416	2.10	4	5	ND	6	25	1	2	4	39	.38	.15	9	15	.25	337	.11	2	1.89	.02	.09	1	2
300N 100W	1	47	14	166	.2	46	10	752	3.01	19	5	ND	8	25	1	2	5	46	.33	.20	14	26	.39	330	.10	2	2.30	.01	.08	1	1
300N 50W	1	35	17	178	.3	52	9	901	2.79	12	5	ND	7	26	1	4	5	40	.31	.30	13	25	.34	376	.10	2	2.58	.01	.14	1	1
300N 0W	1	43	20	166	.3	40	10	1923	3.15	12	5	ND	9	20	1	2	2	46	.17	.18	16	24	.34	442	.09	2	2.11	.01	.13	1	1
STD C/4U-0.5	20	60	40	136	6.9	66	29	1177	3.97	39	19	7	39	48	18	16	19	60	.48	.15	40	57	.88	181	.08	38	1.71	.06	.12	12	520

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
300N 150E	2	95	31	172	.2	64	16	2333	3.41	25	5	ND	10	23	1	6	2	37	.29	.08	28	14	.12	507	.03	3	.84	.01	.14	1	2
300N 200E	4	42	23	129	.7	44	12	1754	2.89	15	5	ND	7	36	1	3	2	42	.35	.17	17	21	.24	880	.08	4	1.82	.01	.12	1	1
300N 250E	1	35	12	119	.3	37	12	2907	2.29	6	5	ND	4	31	1	4	2	37	.55	.09	11	32	.38	799	.08	8	1.33	.01	.13	1	3
300N 300E	3	67	42	168	.3	52	15	5040	4.02	20	5	ND	5	21	1	4	2	53	.35	.17	22	28	.33	581	.06	6	1.75	.01	.10	1	9
300N 350E	1	30	11	136	.1	32	10	976	2.52	9	5	ND	6	13	1	2	2	43	.14	.20	11	22	.30	357	.08	5	1.84	.02	.06	1	11
300N 400E	1	19	7	158	.2	17	5	719	1.65	2	5	ND	3	19	1	2	2	29	.25	.30	8	11	.17	421	.08	3	1.43	.03	.06	1	1
300N 450E	2	44	13	135	.3	85	17	2083	3.22	5	5	ND	5	28	2	2	2	54	.45	.15	13	86	.85	645	.05	5	1.69	.01	.12	1	2
300N 500E	1	46	11	96	.2	44	12	1059	3.09	2	5	ND	6	16	1	5	2	51	.22	.08	14	42	.58	342	.07	7	1.57	.01	.10	1	2
300N 550E	2	45	15	146	.2	40	15	5116	3.50	4	5	ND	6	20	1	2	2	65	.32	.14	15	48	.57	537	.08	4	2.20	.01	.10	1	3
200N 550W	2	88	14	151	.1	57	20	2513	4.42	15	5	ND	7	25	1	2	2	69	.69	.11	19	47	.77	639	.13	10	2.29	.01	.21	1	1
200N 500W	2	108	20	165	.3	65	26	3224	5.19	13	5	ND	8	27	1	4	2	89	.73	.18	17	60	1.02	553	.16	8	2.42	.01	.20	1	3
200N 400W	2	89	14	147	.1	52	21	3061	4.41	7	5	ND	6	33	1	2	2	71	.71	.18	15	45	.81	592	.12	7	2.12	.01	.24	1	1
200N 350W	2	85	21	126	.4	52	18	1973	4.35	13	5	ND	7	28	1	3	2	68	.60	.16	15	46	.72	491	.12	6	2.05	.01	.14	1	1
200N 300W	2	93	21	90	.1	44	15	1898	4.07	17	5	ND	7	19	1	2	2	45	.47	.08	22	36	.53	164	.04	2	1.23	.01	.13	1	2
200N 250W	1	45	16	108	.1	40	12	2453	3.27	7	5	ND	6	21	1	4	2	45	.36	.08	16	32	.41	296	.08	4	1.60	.01	.13	1	1
200N 200W	2	54	20	135	.2	45	12	3086	3.31	11	5	ND	5	26	1	4	2	43	.36	.10	17	30	.39	337	.07	5	1.65	.01	.18	1	2
200N 150W	2	42	18	142	.1	41	11	2003	3.09	13	5	ND	5	22	1	2	3	43	.32	.15	13	28	.41	385	.08	5	1.82	.02	.10	1	1
200N 100W	1	38	15	130	.1	35	10	1312	2.92	11	5	ND	5	25	1	4	4	43	.42	.08	13	27	.43	273	.09	4	1.55	.01	.12	1	3
200N 50W	1	26	18	154	.5	39	8	1493	2.49	9	5	ND	6	30	1	2	4	37	.39	.10	10	17	.30	334	.09	7	1.62	.01	.13	1	1
200N 50E	1	44	17	156	.1	39	9	2205	2.76	11	5	ND	5	38	1	3	2	32	.37	.25	17	19	.28	401	.06	5	1.72	.01	.10	1	1
200N 100E	1	26	19	146	.6	45	8	789	2.54	6	6	ND	6	18	1	5	2	35	.18	.11	14	20	.27	377	.06	6	1.67	.01	.12	1	2
200N 250E	2	120	14	129	.3	373	59	2754	10.96	12	5	ND	5	21	1	2	4	136	.39	.17	6	366	3.52	752	.01	8	4.00	.01	.02	1	2
200N 300E	3	86	19	123	.4	70	17	2539	4.53	24	5	ND	8	22	1	3	2	50	.32	.11	23	50	.45	649	.06	5	1.69	.01	.16	1	1
200N 350E	3	71	23	167	.4	68	18	5192	4.00	22	5	ND	5	38	1	3	2	48	.83	.17	18	45	.46	803	.06	8	1.80	.01	.19	1	1
200N 400E	2	63	18	140	.5	74	17	2154	3.93	20	5	ND	7	25	1	4	2	53	.41	.13	18	92	.70	747	.08	7	1.62	.01	.23	1	1
200N 450E	1	60	14	148	.3	71	18	2174	3.84	4	5	ND	5	26	1	6	2	61	.55	.15	15	97	.82	869	.11	8	2.10	.01	.19	1	1
200N 500E	2	58	24	142	.1	46	16	2700	3.62	8	5	ND	8	24	1	4	2	56	.45	.11	19	45	.55	596	.12	7	1.72	.01	.18	1	2
200N 550E	2	73	17	122	.4	51	20	1411	4.73	10	5	ND	9	23	1	2	2	84	.62	.12	17	58	.83	832	.14	9	2.09	.01	.11	1	4
100N 500W	2	103	15	157	.1	60	24	2612	5.54	10	5	ND	7	19	1	2	2	97	.63	.11	15	67	1.15	802	.22	7	2.66	.01	.19	1	6
100N 450W	3	113	19	222	.1	61	32	3803	5.30	13	5	ND	7	22	1	6	2	96	.78	.12	18	58	1.07	2156	.16	13	2.96	.01	.17	1	2
100N 400W	2	112	19	166	.1	56	31	3303	5.27	13	5	ND	7	26	1	2	2	98	.95	.25	15	61	1.35	1380	.24	11	2.66	.01	.23	1	1
100N 350W	3	94	16	198	.5	60	26	4745	4.16	15	5	ND	8	30	1	6	2	65	.83	.21	16	39	.71	640	.09	10	2.46	.01	.16	1	4
STD C/AU-0.5	21	61	39	139	7.0	68	29	1197	3.98	40	17	6	38	48	18	16	21	61	.48	.15	40	57	.88	174	.08	39	1.71	.06	.12	12	490

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
100N 300W	2	134	19	181	.1	50	19	3516	4.50	14	5	ND	4	30	1	2	2	82	.76	.15	16	59	.84	450	.11	5	2.78	.01	.21	1	1
100N 250W	2	72	24	333	.1	48	16	3206	3.81	16	5	ND	6	36	2	2	2	48	.55	.24	19	40	.53	501	.10	15	2.01	.01	.19	1	10
100N 200W	1	56	10	90	.1	37	12	792	3.63	14	5	ND	5	22	1	2	2	56	.54	.07	17	38	.58	266	.16	17	1.41	.01	.15	1	6
100N 150W	7	195	28	256	.1	84	31	11224	4.88	29	5	ND	11	71	3	3	2	38	.75	.24	39	30	.41	564	.05	20	1.77	.01	.26	1	4
100N 100W	2	84	13	130	.1	50	12	1256	3.75	7	5	ND	7	33	1	2	2	55	.36	.08	20	37	.45	140	.12	15	1.64	.01	.12	1	2
100N 50W	4	59	16	125	.1	45	12	7552	2.98	11	5	ND	3	33	1	2	2	34	.29	.13	17	15	.23	421	.08	18	1.86	.01	.11	1	2
100N 0W	1	27	9	165	.1	29	8	1656	2.34	4	5	ND	3	36	1	2	2	42	.43	.15	10	17	.29	336	.12	24	1.82	.03	.09	1	4
100N 50E	1	61	15	123	.1	33	9	616	3.21	7	5	ND	5	27	1	2	2	46	.32	.08	18	30	.38	327	.10	12	1.70	.01	.11	1	7
100N 100E	4	66	87	296	.1	59	13	3161	3.56	58	5	ND	5	36	1	2	2	41	.39	.12	19	25	.32	660	.07	15	1.66	.01	.12	1	21
100N 150E	1	45	20	114	.2	28	9	2034	2.91	11	5	ND	8	39	1	2	2	26	.39	.09	22	17	.22	556	.04	13	1.25	.01	.14	1	3
100N 200E	2	43	11	124	.1	36	9	848	2.81	14	5	ND	7	23	1	3	2	30	.25	.09	21	23	.22	588	.04	15	1.12	.01	.12	1	4
100N 300E	1	72	12	136	.4	66	12	1133	2.99	48	5	ND	7	8	1	6	2	20	.17	.10	27	40	.30	114	.01	15	.62	.01	.09	1	3
100N 350E	4	171	26	255	.1	78	27	9658	5.01	24	5	ND	6	42	1	2	2	51	.80	.26	28	48	.55	878	.05	3	2.26	.01	.23	1	2
100N 400E	4	106	20	152	.1	72	20	4691	4.26	28	5	ND	8	36	1	4	2	34	.63	.23	29	25	.28	717	.04	16	1.52	.01	.24	1	3
100N 450E	3	96	20	206	.1	77	20	4999	4.47	32	5	ND	5	43	2	2	3	45	.63	.12	23	33	.33	2153	.06	18	1.88	.01	.18	1	2
100N 500E	6	69	31	188	1.0	64	15	4305	4.25	41	5	ND	3	53	1	3	4	46	.74	.21	21	24	.37	1079	.05	19	1.71	.01	.18	1	1
100N 550E	2	52	11	142	.2	42	11	1369	3.62	26	5	ND	6	24	1	2	2	60	.30	.13	19	31	.34	793	.06	17	1.56	.01	.18	1	1
0N 500W	1	87	12	142	.2	40	21	2027	4.62	7	5	ND	4	23	1	2	2	93	.60	.09	10	56	1.10	615	.23	17	3.35	.02	.10	1	1
0N 450W	2	91	10	114	.2	47	21	1310	5.28	9	5	ND	5	24	1	2	2	102	.68	.08	12	71	1.20	1540	.25	17	2.95	.01	.12	1	6
0N 400W	2	122	14	142	.1	51	24	2728	5.66	14	5	ND	5	24	1	2	2	108	.87	.12	16	67	1.11	854	.26	21	2.96	.01	.23	1	2
0N 350W	1	113	14	199	.1	61	27	2004	5.62	8	5	ND	4	28	1	2	2	105	.83	.24	16	78	1.43	1227	.25	7	3.21	.02	.15	1	2
0N 300W	2	99	12	153	.1	54	26	2534	5.28	12	5	ND	5	28	1	2	2	105	1.07	.11	14	65	1.40	802	.22	9	3.04	.01	.14	1	1
0N 250W	2	84	10	194	.2	54	20	3031	4.34	10	5	ND	4	32	1	2	2	76	.65	.13	18	55	.92	558	.11	20	2.73	.01	.20	1	1
0N 200W	2	85	14	127	.1	49	17	2638	4.12	9	5	ND	5	38	1	2	2	61	.72	.14	20	49	.79	267	.13	24	1.76	.01	.32	1	2
0N 100W	4	138	24	162	.1	80	35	7622	6.68	24	5	ND	4	31	1	2	2	73	.39	.15	21	74	.92	223	.06	4	2.22	.01	.40	1	2
0N 100E	3	98	27	217	.4	64	14	2593	4.09	24	5	ND	11	35	1	3	2	34	.43	.17	31	20	.22	330	.04	9	1.51	.01	.20	1	1
0N 150E	1	81	21	180	.9	58	13	796	3.91	17	5	ND	9	31	1	3	2	49	.35	.14	22	34	.48	518	.11	3	2.25	.01	.14	1	4
0N 200E	3	40	16	163	.1	42	12	4319	2.88	7	5	ND	4	44	1	2	2	38	.60	.12	19	23	.36	661	.08	17	1.70	.01	.23	1	1
0N 250E	2	63	15	163	.3	60	13	2037	4.16	21	5	ND	8	30	1	2	2	52	.56	.15	25	41	.48	510	.11	24	1.82	.01	.25	1	2
0N 300E	2	85	15	304	.6	96	11	1321	3.70	11	5	ND	4	43	2	2	5	44	.54	.33	17	41	.36	625	.08	20	1.78	.01	.17	1	2
0N 350E	1	71	10	151	.2	62	13	1465	3.37	15	5	ND	6	35	1	2	8	45	.51	.28	18	41	.57	463	.09	11	2.29	.02	.17	1	3
STD C/AU-0.5	20	58	39	134	7.2	66	29	1152	3.96	40	18	7	37	51	18	16	20	58	.48	.15	40	59	.88	184	.08	40	1.71	.05	.13	12	510

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPB	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
0N 400E	2	75	11	156	.1	69	18	2941	3.77	9	5	ND	6	30	1	2	2	41	.80	.21	19	34	.70	361	.07	2	1.34	.01	.17	1	2
0N 450E	6	128	29	183	.2	69	26	3309	4.74	30	5	ND	10	27	1	2	3	48	.61	.19	35	44	.57	672	.02	2	1.80	.01	.21	1	1
0N 500E	3	127	24	150	.1	64	30	4398	5.86	20	5	ND	7	20	1	2	4	83	.64	.13	23	47	1.05	2252	.12	3	2.32	.01	.23	1	4
100S 500W	4	109	12	226	.1	50	18	2153	4.23	6	5	ND	2	38	2	4	4	70	1.09	.22	11	49	.86	443	.14	2	2.45	.02	.31	1	2
100S 400W	1	84	17	223	.5	54	18	2339	4.16	15	9	ND	10	25	1	2	6	62	.58	.09	27	40	.67	361	.11	2	2.41	.01	.27	1	10
100S 350W	2	100	17	190	.3	59	16	1209	4.04	17	13	ND	11	36	1	2	12	51	.79	.12	36	37	.64	278	.04	2	1.99	.01	.20	1	6
100S 300W	1	85	13	204	.1	50	15	1601	4.03	6	5	ND	3	26	1	2	14	62	.76	.17	16	39	.72	485	.14	9	2.86	.03	.23	1	1
100S 250W	2	78	17	269	.3	62	21	2447	4.08	19	5	ND	5	27	1	6	8	63	.87	.17	19	42	.69	620	.14	5	2.76	.02	.22	1	1
100S 200W	1	75	14	110	.1	53	16	1610	4.00	10	5	ND	7	20	1	5	11	65	.45	.08	18	43	.71	315	.12	2	2.18	.01	.18	1	1
100S 150W	2	557	40	138	.8	79	20	2966	4.47	17	5	ND	8	26	1	4	5	54	.42	.12	29	39	.52	289	.09	2	2.52	.01	.22	1	70
100S 100W	2	213	19	154	.1	100	32	7357	7.02	17	5	ND	6	42	1	2	9	78	1.05	.18	18	71	1.14	353	.16	3	2.23	.01	.31	1	3
100S 0W	6	320	23	184	.1	228	29	17835	7.61	26	5	ND	7	37	1	6	3	112	.53	.15	33	70	.87	264	.18	2	2.35	.01	.33	1	30
100S 50E	2	112	12	152	.1	94	16	4657	4.60	8	5	ND	5	45	1	6	3	52	.47	.20	16	39	.42	104	.08	3	1.91	.02	.22	1	4
100S 100E	2	97	15	146	.2	76	11	3006	4.28	20	8	ND	7	33	1	6	2	42	.63	.13	23	27	.29	79	.07	3	1.84	.01	.19	1	1
100S 150E	1	87	17	230	.1	67	13	5568	3.42	2	5	ND	8	58	1	2	2	33	.53	.15	24	17	.24	482	.09	2	2.07	.01	.13	1	1
100S 200E	2	72	12	199	.1	55	12	2848	3.50	12	5	ND	9	58	1	2	2	46	.63	.15	22	25	.40	434	.13	2	1.79	.01	.19	1	5
100S 250E	2	23	9	209	.1	31	7	2490	1.99	10	5	ND	2	31	1	2	2	28	.36	.19	10	23	.27	293	.09	2	1.49	.02	.09	1	1
100S 300E	1	26	11	136	.4	37	7	1798	2.24	11	5	ND	2	28	1	2	2	32	.41	.13	12	23	.31	332	.08	2	1.63	.02	.12	1	1
100S 350E	1	44	9	118	.2	62	11	688	3.15	18	7	ND	6	25	1	3	2	45	.37	.17	14	41	.45	403	.10	3	2.29	.02	.12	1	1
100S 400E	1	57	11	172	.1	60	12	2586	3.45	14	5	ND	5	32	1	2	5	47	.54	.17	17	39	.53	495	.09	2	2.20	.02	.15	1	3
100S 450E	2	80	17	143	.1	55	14	3975	3.39	13	5	ND	5	38	1	2	7	37	.62	.16	23	32	.35	680	.07	2	1.60	.02	.20	1	5
100S 500E	1	57	9	164	.4	44	9	746	2.57	14	5	ND	7	24	1	2	4	33	.33	.20	14	16	.22	415	.07	2	1.45	.04	.12	1	1
200S 500W	1	52	6	168	.2	35	12	1535	3.03	9	5	ND	3	25	1	4	9	50	.60	.12	10	32	.60	340	.14	2	2.07	.02	.17	1	1
200S 450W	3	76	12	280	.1	43	17	1549	4.36	8	5	ND	5	33	1	5	8	78	.81	.17	9	49	.91	431	.19	6	2.24	.02	.30	1	1
200S 400W	1	78	10	171	.1	49	18	2165	4.25	10	5	ND	5	32	1	2	3	77	.81	.12	12	53	.93	482	.21	3	2.50	.02	.26	1	1
200S 350W	1	69	19	219	.2	49	18	3183	3.68	7	5	ND	4	40	1	2	4	60	.89	.21	16	46	.76	768	.12	7	2.41	.02	.20	1	1
200S 300W	1	63	7	234	.1	47	15	1911	3.40	11	5	ND	6	48	1	2	2	52	.88	.30	16	50	.80	721	.09	9	2.30	.02	.20	1	1
200S 250W	1	57	12	327	.2	26	12	4372	2.40	6	5	ND	2	55	1	2	2	41	1.46	.35	10	24	.48	960	.09	7	1.60	.02	.12	1	1
200S 200W	1	69	12	240	.1	51	19	3778	3.93	15	5	ND	5	36	1	2	2	66	.81	.17	16	44	.70	870	.14	10	2.61	.02	.19	1	1
200S 150W	1	65	15	130	.1	52	12	2451	3.81	9	5	ND	7	18	1	3	2	52	.47	.09	19	39	.49	322	.11	5	1.78	.01	.24	1	1
200S 100W	2	78	20	168	.2	66	16	3011	3.90	20	5	ND	8	25	1	4	2	51	.53	.08	20	44	.52	516	.10	3	2.02	.01	.26	1	2
200S 50W	3	150	21	138	.1	70	21	5447	4.90	11	5	ND	5	39	1	2	2	49	.83	.19	19	49	.65	187	.06	5	2.09	.01	.26	1	2
200S 0W	3	205	27	161	.2	119	17	6120	4.61	16	5	ND	7	39	1	2	2	53	.71	.18	26	35	.49	99	.10	4	2.50	.02	.20	1	2
200S 50E	3	169	15	115	.1	98	25	8679	5.97	12	5	ND	5	37	1	7	2	82	.79	.15	15	66	1.17	669	.14	4	2.20	.01	.19	1	1
STD C/AU-0.5	20	61	39	136	6.8	72	29	1183	3.96	39	17	8	38	48	17	15	19	60	.48	.15	40	58	.88	174	.08	37	1.71	.06	.10	12	510

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
200S 100E	3	125	17	106	.1	71	18	2602	5.10	17	5	ND	7	21	1	2	2	58	.49	.09	30	51	.75	223	.07	17	2.31	.01	.31	1	1
200S 150E	2	87	17	113	.1	54	12	3321	3.30	14	5	ND	5	35	1	2	2	41	.52	.12	19	28	.38	200	.11	19	2.28	.03	.15	1	3
200S 200E	3	128	18	151	.1	88	17	6480	4.56	22	5	ND	5	61	1	2	2	47	.85	.16	19	29	.33	149	.10	18	1.99	.02	.19	1	4
200S 250E	5	141	22	127	.2	115	24	7891	4.95	46	5	ND	3	48	1	2	3	33	.83	.14	21	27	.23	178	.02	19	.71	.01	.14	1	8
200S 300E	4	156	20	91	.1	67	20	5298	3.93	26	5	ND	7	17	1	5	2	12	.24	.08	28	14	.25	211	.01	12	.80	.01	.15	1	2
200S 350E	7	141	30	53	1.2	38	7	662	3.58	49	5	ND	9	33	1	6	3	36	.42	.15	32	35	.20	442	.02	20	.73	.01	.14	1	5
200S 400E	7	151	32	127	.1	89	25	2934	5.23	51	5	ND	9	37	1	12	6	30	.44	.18	38	27	.17	784	.01	18	.92	.01	.20	1	40 — 4
200S 450E	6	132	17	194	.4	76	21	6143	4.48	24	5	ND	8	98	1	4	5	30	1.57	.40	29	28	.29	967	.02	21	1.33	.01	.24	1	2
200S 500E	5	87	19	191	.1	83	17	5132	4.39	19	5	ND	8	53	1	4	4	49	.72	.22	27	45	.50	817	.09	16	1.95	.01	.25	1	2
300S 350W	2	57	16	150	.1	47	14	2413	3.72	12	5	ND	5	30	1	3	4	56	.76	.07	16	41	.60	461	.15	20	2.41	.02	.25	1	1
300S 300W	1	39	14	122	.1	36	12	1635	3.52	10	5	ND	3	25	1	2	6	59	.53	.05	12	39	.65	404	.20	15	2.03	.02	.31	1	4
300S 250W	1	39	11	182	.1	36	11	1017	3.21	10	5	ND	2	24	1	2	5	53	.52	.16	10	35	.60	334	.16	16	2.03	.02	.16	1	1
300S 200W	1	38	6	141	.2	38	10	943	3.13	8	5	ND	5	23	1	2	4	50	.43	.08	11	32	.56	425	.15	14	2.30	.02	.15	1	5
300S 150W	1	30	10	174	.2	31	9	3076	2.59	10	5	ND	3	27	1	2	2	42	.43	.06	11	27	.42	592	.13	18	2.13	.03	.14	1	1
300S 100W	3	76	19	177	.2	57	17	4349	3.91	16	6	ND	7	32	1	2	2	56	.68	.14	19	44	.54	854	.10	22	2.04	.02	.21	1	6
300S 50W	2	53	14	126	.3	45	13	1505	3.94	15	5	ND	7	23	1	2	2	61	.43	.07	17	43	.63	383	.18	16	2.11	.02	.18	1	1
300S 0W	4	113	14	211	.3	63	13	5736	3.86	9	5	ND	6	51	1	2	2	53	.88	.28	17	42	.42	131	.08	24	2.06	.02	.24	1	1
300S 50E	4	87	12	113	.1	63	14	10977	2.84	14	5	ND	4	39	1	2	2	22	.70	.21	14	33	.25	174	.04	23	.92	.01	.15	1	6
300S 100E	3	100	16	137	.2	93	26	3256	5.48	17	5	ND	10	37	1	2	2	52	.99	.21	37	69	.88	583	.06	19	1.94	.01	.35	1	2
300S 150E	2	107	16	128	.1	119	21	1528	5.68	28	5	ND	9	20	1	2	2	59	.47	.11	30	71	.95	306	.06	24	1.90	.01	.29	1	13 —
300S 200E	3	149	23	114	.1	85	27	2596	6.21	38	5	ND	9	27	1	2	2	40	.93	.15	31	35	.47	303	.01	14	1.22	.01	.15	1	8
300S 250E	2	134	20	105	.4	73	20	4989	5.15	43	5	ND	9	29	1	2	2	24	.67	.17	26	17	.22	301	.01	16	.66	.01	.19	1	5
300S 300E	3	173	18	133	.1	61	26	5055	5.33	27	5	ND	4	75	1	2	2	34	2.34	.23	21	40	.61	433	.02	33	1.05	.01	.22	1	3
300S 350E	5	184	30	261	.3	69	20	4849	5.00	32	5	ND	8	84	1	5	3	27	1.46	.49	33	20	.26	658	.02	29	1.16	.01	.26	1	1
300S 400E	6	94	24	176	.6	43	14	5699	3.11	31	5	ND	4	79	1	3	2	28	1.76	.33	19	33	.22	2038	.03	23	.91	.01	.13	1	5
300S 450E	6	203	23	246	.7	76	28	6336	4.21	29	5	ND	7	112	1	3	2	33	2.59	.38	27	26	.22	1939	.03	19	1.30	.02	.16	1	8
300S 500E	5	130	22	140	.1	90	22	3193	5.08	36	5	ND	7	52	1	8	9	33	.84	.22	28	34	.26	886	.02	3	1.35	.01	.18	1	4
400S 400W	1	39	10	210	.1	34	12	1484	3.12	8	5	ND	5	28	1	2	4	51	.51	.36	12	33	.50	509	.15	18	2.21	.02	.14	1	2
400S 350W	1	20	9	300	.2	21	9	2410	2.22	10	5	ND	4	28	1	2	2	37	.49	.44	9	19	.29	596	.12	21	1.64	.03	.12	1	1
400S 300W	1	20	6	191	.3	23	8	803	2.01	9	5	ND	4	17	1	2	2	33	.28	.35	7	18	.31	318	.12	18	1.78	.03	.06	1	4
400S 250W	1	33	8	227	.1	27	10	1630	2.53	10	5	ND	5	24	1	2	2	42	.40	.31	9	27	.45	439	.13	20	1.95	.03	.11	1	2
400S 200W	1	65	10	123	.1	47	15	1272	4.31	13	5	ND	6	26	1	2	2	75	.65	.08	13	50	.83	351	.22	19	2.26	.02	.27	1	2
400S 150W	1	22	9	173	.5	25	8	1146	2.33	8	5	ND	3	26	1	2	2	41	.48	.26	8	24	.37	398	.12	19	1.69	.03	.10	1	1
400S 100W	1	34	10	140	.3	41	10	1024	2.98	10	5	ND	6	21	1	2	2	46	.39	.06	12	33	.46	391	.13	20	1.99	.02	.14	1	2
400S 50W	1	77	16	210	.3	53	15	2342	4.55	17	5	ND	6	23	1	2	2	68	.51	.10	20	50	.75	426	.16	21	1.99	.01	.20	1	2
400S 0W	2	89	12	158	.1	224	29	2786	5.60	10	5	ND	7	34	1	2	2	74	.79	.14	19	151	2.15	590	.16	18	3.02	.01	.20	1	11
STD C/AU-0.5	19	59	40	134	7.2	72	28	1160	3.94	39	17	7	37	47	17	15	19	59	.48	.15	39	60	.88	189	.08	41	1.71	.06	.10	12	490

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
400S 50E	3	145	12	133	.1	88	28	3917	7.71	6	5	ND	4	23	1	2	2	119	.70	.19	5	130	1.99	372	.18	2	3.12	.01	.15	1	5
400S 100E	3	113	21	171	.2	58	20	2518	5.70	19	5	ND	11	27	1	2	6	77	.65	.22	24	55	.98	309	.04	2	2.00	.01	.23	1	2
400S 150E	3	129	15	108	.1	80	19	3040	4.59	21	5	ND	7	33	1	5	4	54	.74	.07	18	53	.75	363	.08	7	1.89	.01	.21	1	2
400S 200E	2	78	19	226	.1	51	13	1932	4.80	17	5	ND	7	27	1	2	4	41	.44	.14	23	30	.32	253	.02	5	1.32	.01	.21	1	1
400S 250E	1	65	7	130	.2	49	13	1194	3.75	14	5	ND	7	24	1	2	2	53	.45	.09	14	42	.50	432	.11	2	1.82	.01	.14	1	3
400S 300E	1	29	6	149	.1	44	8	519	2.58	6	5	ND	6	24	1	2	3	31	.31	.11	7	28	.35	404	.10	7	2.14	.02	.15	1	2
400S 350E	2	71	12	111	.1	103	23	2012	5.12	94	5	ND	6	45	1	6	2	40	.58	.16	15	47	.43	585	.01	3	1.22	.02	.10	1	1
400S 400E	2	52	5	276	.1	44	10	2760	2.93	11	5	ND	3	40	1	2	2	32	.59	.16	9	21	.23	344	.06	8	1.29	.02	.14	1	2
400S 450E	3	61	10	252	.3	47	10	3173	3.03	7	5	ND	6	35	1	3	2	37	.43	.24	14	20	.25	539	.07	4	1.51	.02	.06	1	1
400S 500E	4	64	10	590	.1	28	10	7968	1.93	8	5	ND	1	124	1	2	2	21	1.80	.45	10	18	.23	1566	.05	13	1.05	.02	.13	1	12
500S 500W	1	57	2	152	.3	24	13	701	2.97	4	5	ND	5	39	1	2	2	54	.47	.16	4	25	.64	329	.13	2	2.36	.03	.12	1	1
500S 450W	2	32	4	278	.4	14	7	2548	1.53	3	5	ND	2	28	1	3	2	26	.53	.39	5	13	.17	407	.08	5	1.48	.03	.04	1	2
500S 400W	1	61	5	304	.5	30	13	838	2.94	2	8	ND	8	25	1	2	2	50	.40	.17	7	29	.63	309	.15	3	2.35	.03	.12	1	1
500S 350W	2	63	8	222	.1	35	16	1665	3.94	11	5	ND	5	29	1	2	2	68	.65	.16	6	42	.83	416	.18	5	2.16	.03	.10	1	7
500S 300W	1	73	7	135	.1	39	17	1247	4.42	17	5	ND	5	29	1	2	2	74	.65	.17	8	51	.91	277	.15	3	1.90	.02	.09	1	2
500S 250W	2	158	12	144	.1	66	23	2048	5.42	33	5	ND	6	32	1	3	2	84	.72	.13	13	71	1.16	317	.13	2	2.23	.02	.15	1	5
500S 200W	1	36	9	174	.1	35	14	740	3.83	8	5	ND	4	20	1	2	4	66	.35	.14	8	36	.63	252	.14	3	2.11	.01	.07	1	2
500S 150W	3	85	9	105	.2	53	22	1722	5.51	144	7	ND	9	21	1	3	6	54	.51	.15	17	37	.83	283	.11	2	1.38	.01	.15	1	10
500S 100W	2	96	8	143	.1	51	16	967	4.55	26	5	ND	4	20	1	2	5	66	.43	.09	13	50	.89	373	.14	2	1.52	.01	.14	1	7
500S 50W	1	87	5	131	.3	52	22	1130	5.70	18	5	ND	7	34	1	2	2	110	.71	.09	6	64	1.63	362	.36	2	2.63	.02	.35	1	11
500S 0W	2	91	7	173	.2	49	17	1507	4.61	18	5	ND	8	25	1	2	2	74	.50	.15	14	52	1.01	324	.15	3	2.01	.02	.18	1	4
500S 50E	2	94	13	154	.2	66	18	1676	4.69	12	5	ND	7	17	1	2	2	61	.42	.18	14	64	1.02	311	.10	2	1.80	.01	.14	1	2
500S 100E	3	71	14	149	.1	62	18	2347	4.76	14	5	ND	9	23	1	2	2	57	.40	.20	21	54	.90	265	.07	8	1.73	.01	.20	1	7
500S 150E	3	226	12	81	.1	40	14	1633	3.88	10	5	ND	12	11	1	2	2	28	.30	.10	35	31	.68	82	.01	3	1.26	.01	.10	1	1
500S 200E	3	75	13	175	.1	89	19	2423	4.58	16	5	ND	9	20	1	2	2	48	.47	.20	19	70	.99	322	.04	3	1.57	.01	.11	1	4
500S 250E	3	92	11	148	.1	73	18	2528	4.69	17	5	ND	7	19	1	2	2	49	.49	.15	20	56	.80	277	.05	4	1.55	.01	.13	1	2
500S 300E	2	44	5	146	.1	46	12	1673	3.03	8	5	ND	6	21	1	2	2	39	.46	.08	12	37	.48	306	.08	9	1.56	.01	.13	1	2
500S 350E	3	129	12	153	.1	74	16	2305	4.63	31	5	ND	10	22	1	3	2	54	.39	.16	21	47	.65	286	.06	5	1.57	.01	.18	1	1
500S 400E	3	44	15	353	.2	57	14	3552	3.27	4	5	ND	5	43	2	2	2	40	.61	.16	18	54	.42	1754	.05	9	1.36	.02	.19	1	1
500S 450E	1	35	6	355	.2	32	8	1245	2.28	7	5	ND	5	32	1	2	4	37	.46	.27	9	21	.20	773	.07	7	1.13	.02	.07	1	1
500S 500E	1	63	8	118	.1	42	10	1157	3.69	16	5	ND	6	25	1	2	2	33	.46	.11	16	25	.25	285	.06	8	1.22	.02	.16	1	2
STD C/AU-0.5	21	60	39	139	6.7	67	29	1181	3.96	40	19	8	38	52	18	16	22	60	.48	.15	38	57	.88	180	.08	40	1.71	.06	.09	11	490

SAMPLE	
No Samples	
400N 450W TALUS	-
400N 200W TALUS	-
400N 150W TALUS	-
400N 100W TALUS	-
400N 0W TALUS	-
400N 50E TALUS	-
400N 100E TALUS	-
400N 500E TALUS	-
300N 50E TALUS	-
300N 100E TALUS	-
200N 450W TALUS	-
200N 0W TALUS	-
200N 150E TALUS	-
200N 200E TALUS	-
100N 250E TALUS	-
0N 150W TALUS	-
0N 50W TALUS	-
0N 0W TALUS	-
0N 50E TALUS	-
100S 450W TALUS	-
100S 50W TALUS	-

APPENDIX II

STATEMENT OF COSTS

1.	Field Work - Shangri La Invoice	$ 2,400
2.	Analytical Work - Acme Inv 85-1028	2,014
	TOTAL COST	$ 4,414

APPENDIX III

STATEMENT OF QUALIFICATIONS

I, Darrel L. Johnson, resident of the District of Coquitlam, B.C., declare that:

1. I hold a BSc degree in geology, granted by the University of British Columbia in 1970;

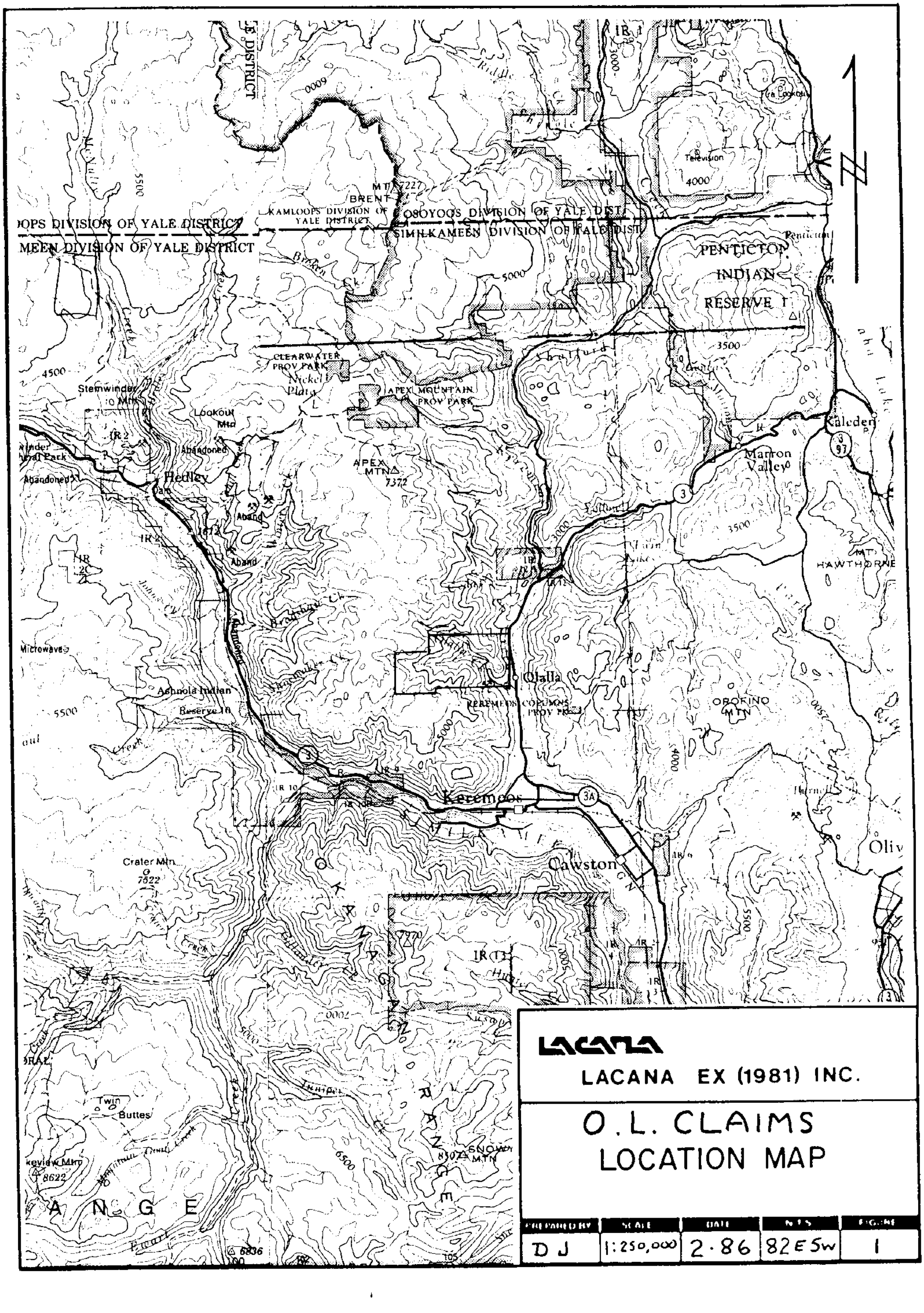
2. I have worked as an exploration geologist throughout British Columbia since 1970;

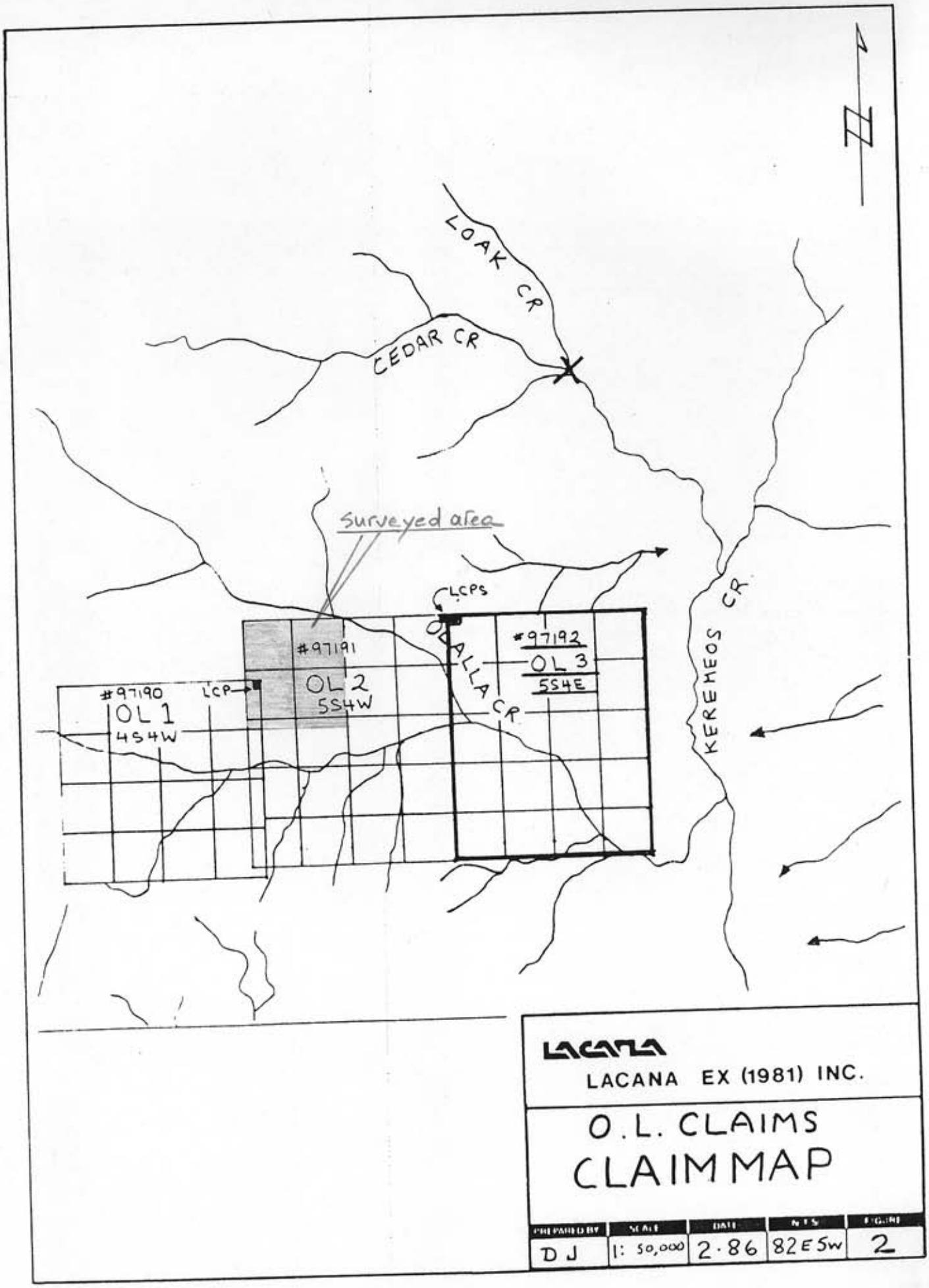
3. I have been employed by Lacana Mining Corporation since 1973, as an exploration geologist, and more recently as regional exploration manager;

4. Work described in this report was conducted under my direct personal supervision.

Dated this 3 day of

March 1986 at Vancouver B.C.


KAMLOOPS DIVISION OF YALE DISTRICT
SIMILKAMEEN DIVISION OF YALE DISTRICT
OSOYOOS DIVISION OF YALE DIST
PENTICTON INDIAN RESERVE 1
Television
CLEARWATER PROV PARK
APEX MOUNTAIN PROV PARK
APEX MTN 7372
Stemwinder Mtn
Lookout Mtn
Hedley
Kaleden
Marron Valley
HAWTHORNE
Microwave
Ashnola Indian Reserve 10
Olalla
KEREMEOS COLUMNS PROV PK
OROFINO MTN
Keremeos
Cawston
Crater Mtn 7622
Twin Buttes
SNOWY MTN
LACANA
LACANA EX (1981) INC.
O.L. CLAIMS
LOCATION MAP
PREPARED BY
SCALE
DATE
NTS
FIGURE
D J
1:250,000
2·86
82E5W
1



LACANA

LACANA EX (1981) INC.

O.L. CLAIMS
CLAIM MAP

PREPARED BY	SCALE	DATE	N.T.S.	FIGURE
DJ	1: 50,000	2·86	82E Sw	2

O.L. CLAIMS
(LOCATION APPROX.)

L 400 N
L 300N
L 200N
L 100N
L 00
L 100S
L 200 S
L 300S
L 400S
L 500 S
BASE LINE

1978 1340 3267 1162 1643 1431 564 1441 3600 2793 1958 13 3523 3647 4188 12 2063 2942 3433 2661 2647 3318 1898 1973 3061 3224 2513 3206 10 3303 3516 3803 4745 2612 2638 2728 2004 3534 3031 1310 2027 1209 2339 10 2153 1911 3183 1549 2165 1635 1535 2413 1630 1484 2410 803 901 2548 838 1665 1247 2048 740 1722 10 967 1130 11 1507 1676 2347 1633 2423 2528 1673 2305 3552 1245

5116 1059 2083 719 976 11 5040 2907 1754 2333 1411 2700 2174 2154 5192 2539 2754 789 2205 1369 4305 4999 4691 9658 1133 848 2034 316 21 616 1656 7552 1256 11224 792 7622 2593 796 4319 2037 1321 1465 2941 3309 4398 746 3975 2586 688 1798 2490 2848 5568 3006 4657 117835 30 5132 6143 2934 40 3193 6336 5699 4849 5055 4989 2596 13 1528 3256 10977 5736 1505 4349 3076 943 1017 1272 1146 1024 2342 2786 3917 2518 3040 1932 1194 519 2012 2760 3173 7968 12

LEGEND

- Contoured line with sample site
- Compassed " " " "
- Adit portal
- Creek
- 1130 Mn value in ppm
- 11 Au " " ppb (values<10 ppb are not plotted)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,455

N

LACANA
CONVENTURES LIMITED
MURPHY OIL COMPANY LTD.
LACANA MINING CORPORATION

CANADIAN MINERALS JOINT VENTURE

O. L. CLAIMS
Au, Mn GEOCHEMISTRY
OSOYOOS M.D., B.C.

0 100 200 300 metres

D.J	1:5000	FEB. 1986	82E - SW	

CHONG

O.L. CLAIMS
(LOCATION APPROX.)

L 400 N

L 300N

L 200N

L 100N

L 00

BASE LINE

L 100 S

L 200 S

L 300S

L 400 S

L 500 S

LEGEND

Contoured line with sample site

Compassed " " " "

Adit portal

Creek

N

LACANA

CONVENTURES LIMITED
MURPHY OIL COMPANY LTD.
LACANA MINING CORPORATION

CANADIAN MINERALS JOINT VENTURE

O. L. CLAIMS

OSOYOOS M.D., B.C.

0 100 200 300 metres

PREPARED BY	SCALE	DATE	N.T.S.	FIGURE
D. J.	1:5000	FEB. 1986	82E - 5W	

CHONG