1996 Cyprus Gold Exploration drill and geochemical results from the Old Dog Prospect of Treasure Creek of the Fairbanks Mining District, Alaska.

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TABLE 1

OLD DOG DRILLHOLE SUMMARY
1996

HOLE (TD)	GEOLOGY	ALTERATION	GOLD MINERALIZATION		
			From-To (ft.)	Interval (ft.)	Ppm Au
OD-1 (225')	0-140' Felsic Intrusive 140-225' Quartz Muscovite Schist	15-45' Bleached	110 - 120' 145 - 160'	10 15	0.278 0.432
OD-2 (210')	0-95' Felsic Intrusive 95-210' Quartz Muscovite Schist	15-40' Bleached 0-95' Quartz Veins	15 - 85' No	70 Significant	0.213 Values
OD-3 (85')	0-55' Felsic Intrusive 55-85' Quartz Muscovite Schist	0-55' Bleached and Sericitization	30 - 55' 70 - 85'	25 15	0.460 2.123
OD-4 (95')	0-40' Felsic Intrusive 40-95' Quartz Muscovite Schist	25-40' Bleached 0-40' Sericitization	0 - 35 No	35 Significant	0.89 Values
OD-5 (90')	0-70' Felsic Intrusive 70-90' No Recovery	15-50' Bleached 0-55' Quartz Veins	45 - 60'	15	0.162

TABLE 2

OLD DOG
DRILL HOLE SUMMARY
1997

HOLE	GEOLOGY	ALTERATION	GOLD MINERALIZATION		
			From-To (ft)	Interval (ft.)	ppm Au
OD-6	5-47' QMS/FELSITE	LIM, BLCH?			
(410')	47-317' QMS	LIM ± BLCH	110-115	5	0.9
			270-275	5	0.31
	317-374' FELSITE	ARG/SER,BLCH			
	374-410' QMS	SPOTTY PYRITE			
OD-7	10-112' FELSITE	LIM, ARG,SER	35-40	5	0.5
(400')			75-80	5	0.31
	112-400' QMS	LIM TO 230	165-170	5	0.37
OD-8	0-56' FELSITE	LIM,QVN,SER,SUL?	50-55	5	0.81
(490')	56-347' QMS	LIM, QVN, SUL	55-60	5	1.14
			65-75	10	1.64
	347-405' GRST	QVN, BLCH, PY/ASPY			
	405-487' QMS	QVN, BLCH, PY/ASPY			
	487-490' GRST	TRACE PY/ASPY			
OD-9	0-109' QMS	LIM, QVN	25-30	5	1.23
(470')			90-105	15	0.66
	109-344' FELSITE	LIM, ARG/SER			
	344-470' QMS	QVN,SER,PY/ASPY	365-370	5	0.45
OD-10	0-247' QMS	LIM,±BLCH,QVN	120-130	10	0.82
(390')			190-195	5	0.40
	247-390' GRST	QVN,±BLCH,PY			
OD-11	0-135' QMS	LIM, HEM, QVN	55-60	5	0.53
(530')			115-120	5	0.34
	135-147' FELSITE	ARG,LIM, TR-PY	135-140	5	0.48
	147-410' QMS	QVN,BLCH,PY/ASPY	145-150	5	0.72
	410-530' GRST	QVN,±BLCH,±PY/ASPY			

QMS = QUARTZ MUSCOVITE SCHIST

APPENDIX 2.

1996 CYPRUS GOLD EXPLORATION

ALASKA

DRILL SAMPLES AND RESULTS

OLD DOG PROSPECT

APPENDIX 2. 1996 CYPRUS GOLD EXPLORATION CORP. ALASKAN DRILLING (All Values are in PPM) (October 20, 1996)

HOLE_ID = OD-1 UTM Grid = 7209777 m N. 462430.2 m E. Elev= 1400 ft. Azimuth= 135 Incl=60 TD=225

HOLE	FROM	TO	TYPE	RX TYPE	ALT	ALT 2	MISC	AU	AG	AS	SB	BI	MO	W	PB	ZN	CU	HG	SAMPLE
OD-1	0	10	11																1010
OD-1	10	15	11	FI		LIM		0.035	-0.2	136	18	-2	-1	-10	78	34	2	-1	1015
OD-1	15	20	11	FI	QZVN	LIM		0.015	-0.2	84	20	-2	1	50	78	48	3	-1	1020
OD-1	20	25	11	FI	QZVN	LIM		0.005	-0.2	76	24	-2	1	20	74	44	3	-1	1025
OD-1	25	30	11	FI	QZVN	LIM		0.015	-0.2	116	12	-2	1	10	68	60	2	-1	1030
OD-1	30	35	11	FI	QZVN	LIM		-0.005	-0.2	82	16	-2	1	-10	76	44	1	-1	1035
OD-1	35	40	11	FI	QZVN	LIM		-0.005	-0.2	48	22	-2	-1	-10	80	32	-1	-1	1040
OD-1	40	45	11	FI		LIM		-0.005	-0.2	88	16	-2	1	-10	84	26	-1	-1	1045
OD-1	45	50	11	FI	QZVN	LIM		0.035	-0.2	172	22	-2	-1	-10	78	42	1	-1	1050
OD-1	50	55	11	FI	QZVN	LIM		0.040	-0.2	156	24	-2	1	-10	70	20	1	-1	1055
OD-1	55	60	11	FI	QZVN	LIM		0.020	-0.2	160	28	-2	-1	-10	76	34	2	-1	1060
OD-1	60	65	11	FI	QZVN	LIM		-0.005	-0.2	84	22	-2	-1	-10	86	36	-1	-1	1065
OD-1	65	70	11	FI	QZVN	LIM		0.005	-0.2	46	26	-2	1	-10	78	32	1	-1	1070
OD-1	70	75	11	FI	QZVN	LIM		0.070	-0.2	192	26	-2	-1	-10	74	90	3	-1	1075
OD-1	75	80	11	FI		LIM		0.020	-0.2	86	22	-2	-1	-10	84	136	4	-1	1080
OD-1	80	85	11	FI		LIM		-0.005	-0.2	34	22	-2	1	-10	76	38	1	-1	1085
OD-1	85	90	11	FI		LIM		0.090	-0.2	234	34	-2	1	-10	74	46	1	-1	1090
OD-1	90	95	11	FI		LIM		0.020	-0.2	38	34	-2	1	-10	70	54	1	-1	1095
OD-1	95	100	11	FI		LIM		-0.005	-0.2	16	38	-2	1	-10	72	104	1	-1	1100
OD-1	100	105	11	FI		LIM		0.055	-0.2	122	36	-2	1	-10	72	48	1	-1	1105
OD-1	105	110	11	FI		LIM		0.090	-0.2	270	44	-2	-1	-10	72	138	1	-1	1110
OD-1	110	115	11	FI	QZVN	LIM		0.195	-0.2	500	30	-2	-1	-10	72	42	-1	-1	1115
OD-1	115	120	11	FI		LIM		0.360	-0.2	808	32	-2	1	-10	70	88	1	-1	1120
OD-1	120	125	11	FI		LIM		0.020	-0.2	94	30	-2	1	-10	74	34	-1	-1	1125
OD-1	125	130	11	FI		LIM		0.020	-0.2	134	16	-2	1	-10	82	322	-1	-1	1130
OD-1	130	135	11	FI	QZVN	LIM		0.035	-0.2	76	10	-2	1	-10	86	92	-1	-1	1135
OD-1	135	140	11	FI	QZVN	LIM		0.050	-0.2	204	24	-2	1	-10	76	94	8	-1	1140
OD-1	140	145	11	GMS	QZVN	LIM		0.045	-0.2	496	124	-2	1	-10	18	78	22	-1	1145
OD-1	145	150	11	GMS	QZVN			0.450	-0.2	940	20	-2	1	-10	10	78	10	-1	1150
OD-1	150	155	11	GMS	QZVN	LIM		0.410	-0.2	526	26	-2	1	-10	8	96	26	-1	1155
OD-1	155	160	11	GMS	QZVN			0.435	-0.2	1805	34	-2	1	-10	12	108	18	-1	1160
OD-1	160	165	11	GMS	QZVN		PY	0.075	-0.2	742	30	-2	1	10	6	66	18	-1	1165
OD-1	165	170	11	GMS	QZVN		PY	0.040	-0.2	644	70	-2	1	-10	10	86	31	-1	1170
OD-1	170	175	11	GMS	QZVN		PY	-0.005	-0.2	290	44	-2	1	-10	6	82	20	-1	1175
OD-1	175	180	11	GMS	QZVN		PY	0.025	-0.2	340	20	-2	-1	-10	8	38	12	-1	1180
OD-1	180	185	11	GMS	QZVN	LIM	PY	0.035	-0.2	338	30	-2	-1	-10	6	34	13	-1	1185
OD-1	185	190	11	QZT	QZVN	LIM	PY	0.020	-0.2	466	46	-2	1	-10	10	66	22	-1	1190
OD-1	190	195	11	QMS	QZVN	LIM		0.010	-0.2	278	10	-2	1	-10	8	70	26	-1	1195
OD-1	195	200	11	GGE	QZVN	LIM		0.030	-0.2	426	28	-2	-1	-10	12	60	28	-1	1200
OD-1	200	205	11	QMS	QZVN	LIM		0.050	-0.2	246	20	-2	1	-10	10	16	9	-1	1205
OD-1	205	210	11	QMS	QZVN		PY	0.140	-0.2	354	48	-2	-1	-10	148	20	10	-1	1210
OD-1	210	215	11	QMS	QZVN		PY	0.100	-0.2	746	14	-2	-1	-10	56	12	6	-1	1215
OD-1	215	220	11	QMS	QZVN			0.015	-0.2	250	8	-2	-1	-10	28	12	5	-1	1220
OD-1	220	225	11	QZT				0.010	-0.2	422	10	-2	-1	-10	44	14	7	-1	1225

HOLE_ID = OD-2 UTM Grid = 7209541 m N. 462287.7 m E. Elev= 1367 ft. Azimuth= 135 Incl=70 TD=210

HOLE	FROM	TO	TYPE	RX TYPE	ALT	ALT 2	MISC	AU	AG	AS	SB	BI	MO	W	PB	ZN	CU	HG	SAMPLE
OD-2	0	15	11	FI	QZVN	LIM		0.075	-0.2	162	48	-2	-1	-10	52	36	6	-1	2015
OD-2	15	20	11	FI	QZVN	LIM		0.200	-0.2	476	118	-2	1	-10	62	36	2	-1	2020
OD-2	20	25	11	FI	QZVN	LIM		0.110	-0.2	274	66	-2	1	-10	68	48	1	-1	2025
OD-2	25	30	11	FI	QZVN	LIM		0.095	-0.2	316	40	-2	-1	-10	76	72	1	-1	2030
OD-2	30	40	11	FI		LIM		0.220	-0.2	558	50	-2	1	-10	78	144	5	-1	2040
OD-2	40	45	11	FI	QZVN	LIM		0.450	-0.2	1025	66	-2	1	-10	80	98	2	-1	2045
OD-2	45	50	11	FI	QZVN	LIM		0.360	-0.2	464	40	-2	1	-10	82	68	2	-1	2050
OD-2	50	55	11	FI	QZVN	LIM		0.370	-0.2	394	40	-2	-1	-10	72	38	1	-1	2055
OD-2	55	60	11	FI	QZVN	LIM		0.140	-0.2	278	40	-2	1	-10	72	88	2	-1	2060
OD-2	60	65	11	FI	QZVN	LIM		0.180	-0.2	346	54	2	1	-10	70	60	2	-1	2065
OD-2	65	70	11	GGE		LIM													2070
OD-2	70	75	11	GGE		LIM													2075
OD-2	75	80	11	FI	QZVN	LIM		0.095	-0.2	122	28	2	1	-10	64	124	2	-1	2080
OD-2	80	85	11	FI	QZVN	LIM		0.125	-0.2	246	44	2	1	-10	36	174	13	-1	2085
OD-2	85	90	11	QMS	QZVN	LIM		0.015	-0.2	212	34	-2	1	-10	8	102	17	-1	2090
OD-2	90	95	11	QMS	QZVN			0.035	-0.2	216	38	-2	1	-10	12	92	18	-1	2095
OD-2	95	105	11	QMS	QZVN	LIM		0.010	-0.2	192	38	-2	1	-10	18	190	15	-1	2105
OD-2	105	110	11	QMS	QZVN	LIM		-0.005	-0.2	122	24	-2	1	-10	10	68	9	-1	2110
OD-2	110	115	11	QMS	QZVN	LIM		0.015	-0.2	150	30	-2	-1	-10	10	40	8	-1	2115
OD-2	115	120	11	QMS	QZVN	LIM		0.015	-0.2	194	24	-2	-1	-10	8	56	14	-1	2120
OD-2	120	125	11	QMS	QZVN	LIM		0.010	-0.2	244	30	-2	-1	-10	8	66	18	-1	2125
OD-2	125	130	11	QMS	QZVN	LIM		0.050	-0.2	256	36	-2	1	-10	8	78	17	-1	2130
OD-2	130	135	11	QMS	QZVN	LIM		0.010	-0.2	154	22	-2	1	-10	8	76	32	-1	2135
OD-2	135	140	11	QMS	QZVN	LIM		-0.005	-0.2	104	10	-2	1	-10	6	84	28	-1	2140
OD-2	140	145	11	QMS	QZVN	LIM	PY	-0.005	-0.2	98	22	-2	-1	-10	10	70	23	-1	2145
OD-2	145	150	11	QMS	QZVN	LIM		0.015	-0.2	226	50	-2	1	-10	8	68	27	-1	2150
OD-2	150	155	11	QMS	QZVN	LIM	PY	-0.005	-0.2	64	38	-2	1	-10	6	78	40	-1	2155
OD-2	155	160	11	QMS	QZVN	LIM	PY	0.085	-0.2	354	28	-2	-1	-10	12	92	30	-1	2160
OD-2	160	165	11	QMS	QZVN	LIM		0.070	-0.2	318	10	-2	-1	-10	8	36	20	-1	2165
OD-2	165	170	11	QMS	QZVN	LIM		-0.005	-0.2	48	12	-2	-1	-10	6	72	29	-1	2170
OD-2	170	175	11	QMS	QZVN	LIM		-0.005	-0.2	42	10	-2	-1	-10	8	60	27	-1	2175
OD-2	175	180	11	QMS	QZVN	LIM		0.055	-0.2	246	18	-2	1	-10	8	44	20	-1	2180
OD-2	180	185	11	QMS	QZVN	LIM		0.085	-0.2	158	14	-2	-1	-10	6	78	25	-1	2185
OD-2	185	190	11	QMS	QZVN	LIM		-0.005	-0.2	84	6	-2	-1	-10	6	70	23	-1	2190
OD-2	190	195	11	QMS	QZVN	LIM		-0.005	-0.2	62	4	-2	-1	-10	8	22	6	-1	2195
OD-2	195	200	11	QMS	QZVN	LIM		0.030	-0.2	180	10	-2	-1	-10	6	80	20	-1	2200
OD-2	200	205	11	QMS	QZVN	LIM		-0.005	-0.2	226	2	-2	-1	-10	8	64	25	-1	2205
OD-2	205	210	11	QMS	QZVN	LIM		-0.005	-0.2	98	8	-2	-1	-10	4	36	15	-1	2210

HOLE_ID = OD-3 UTM Grid = 7209881 m N. 462320.9 m E. Elev= 1440 ft. Azimuth= 135 Incl=60 TD=85

HOLE	FROM	TO	TYPE	RX TYPE	ALT	ALT 2	MISC	AU	AG	AS	SB	BI	MO	W	PB	ZN	CU	HG	SAMPLE
OD-3	0	15	11	FI	QZVN	LIM	SER	0.265	-0.2	720	46	-2	-1	-10	68	10	4	-1	3015
OD-3	15	20	11	FI	QZVN	LIM	SER	0.145	-0.2	200	26	-2	-1	-10	60	10	1	-1	3020
OD-3	20	25	11	FI	QZVN	LIM	SER	0.070	-0.2	178	22	-2	-1	-10	62	6	1	-1	3025
OD-3	25	30	11	FI	QZVN	LIM	SER	0.090	-0.2	266	20	-2	-1	-10	58	10	1	-1	3030
OD-3	30	35	11	FI	QZVN	LIM	SER	0.250	-0.2	522	28	-2	1	-10	64	2	1	-1	3035
OD-3	35	40	11	FI	QZVN	LIM	SER	0.190	-0.2	644	22	-2	-1	-10	70	4	1	-1	3040
OD-3	40	45	11	FI	QZVN	LIM	SER	0.525	-0.2	866	30	-2	-1	-10	68	2	1	1	3045
OD-3	45	50	11	FI	QZVN	LIM	SER	0.910	0.2	1660	46	-2	-1	-10	46	6	4	-1	3050
OD-3	50	55	11	FI	QZVN	LIM	SER	0.425	-0.2	2040	46	-2	-1	-10	14	72	8	-1	3055
OD-3	55	60	11	QMS	QZVN	LIM		0.295	-0.2	1170	84	-2	-1	-10	16	34	11	-1	3060
OD-3	60	65	11	QMS	QZVN	LIM		0.085	-0.2	856	40	-2	-1	-10	16	48	18	-1	3065
OD-3	65	70	11	QMS	QZVN	LIM		0.285	-0.2	1180	28	-2	-1	-10	12	66	11	-1	3070
OD-3	70	75	11	QMS	QZVN	LIM		2.050	-0.2	5520	36	-2	-1	-10	12	78	9	-1	3075
OD-3	75	80	11	QMS	QZVN	LIM		2.890	0.2	6290	40	-2	-1	-10	36	160	20	-1	3080
OD-3	80	85	11	QMS	QZVN	LIM		1.490	-0.2	2780	34	-2	1	-10	28	84	12	-1	3085

HOLE_ID = OD-4 UTM Grid = 7209462 m N. 461843.4 m E. Elev= 1500 ft. Azimuth= 315 Incl=60 TD=95

HOLE	FROM	TO	TYPE	RX TYPE	ALT	ALT 2	MISC	AU	AG	AS	SB	BI	MO	W	PB	ZN	CU	HG	SAMPLE
OD-4	0	15	11	FI	QZVN	LIM	SER	0.455	-0.2	676	52	-2	1	-10	66	38	3	-1	4015
OD-4	15	20	11	FI	QZVN	LIM	SER	1.180	0.2	1470	118	-2	3	-10	80	70	2	-1	4020
OD-4	20	25	11	FI	QZVN	LIM	SER	1.230	0.2	1885	184	-2	5	-10	72	40	2	-1	4025
OD-4	25	30	11	FI	QZVN	LIM	SER	0.885	0.4	1295	106	2	31	-10	60	26	1	-1	4030
OD-4	30	35	11	FI	QZVN	LIM	SER	0.695	0.2	1555	314	2	19	-10	48	26	1	-1	4035
OD-4	35	40	11	FI	QZVN	LIM	SER	0.110	-0.2	414	186	-2	2	-10	22	210	6	-1	4040
OD-4	40	45	11	QMS	QZVN	LIM		0.085	0.2	704	1705	-2	3	-10	32	134	13	1	4045
OD-4	45	50	11	QMS	QZVN	LIM		0.100	0.2	410	144	-2	2	-10	16	130	8	-1	4050
OD-4	50	55	11	QMS	QZVN	LIM		0.020	-0.2	234	74	-2	1	-10	12	82	16	1	4055
OD-4	55	60	11	QMS	QZVN	LIM		0.110	-0.2	158	282	-2	1	-10	12	114	28	-1	4060
OD-4	60	65	11	QMS	QZVN	LIM		-0.005	-0.2	58	72	-2	-1	-10	10	96	27	1	4065
OD-4	65	70	11	QMS	QZVN	LIM		0.215	-0.2	148	26	-2	-1	-10	10	92	23	-1	4070
OD-4	70	75	11	QMS	QZVN	LIM		-0.005	-0.2	12	16	-2	-1	-10	10	76	38	-1	4075
OD-4	75	80	11	QMS	QZVN	LIM		-0.005	-0.2	14	22	-2	-1	-10	8	148	35	-1	4080
OD-4	80	85	11	QMS	QZVN	LIM	PY	-0.005	-0.2	18	16	-2	-1	-10	8	74	22	1	4085
OD-4	85	90	11	QMS	QZVN	LIM	PY	0.020	-0.2	16	22	-2	-1	-10	10	118	35	-1	4090
OD-4	90	95	11	QMS	QZVN	LIM		-0.005	-0.2	30	16	2	-1	-10	8	62	15	-1	4095

HOLE_ID = OD-5 UTM Grid = 7209534 m N. 462294.9 m E. Elev= 1364 ft. Azimuth= 135 Incl=60 TD=70

HOLE	FROM	TO	TYPE	RX TYPE	ALT	ALT 2	MISC	AU	AG	AS	SB	BI	MO	W	PB	ZN	CU	HG	SAMPLE
OD-5	0	15	11	FI	QZVN	LIM		0.070	-0.2	158	48	-2	-1	-10	54	36	7	-1	5015
OD-5	15	20	11	FI	QZVN	LIM		0.055	-0.2	108	46	-2	-1	-10	64	30	4	1	5020
OD-5	20	25	11	FI	QZVN	LIM		0.035	-0.2	90	36	-2	-1	-10	60	24	3	2	5025
OD-5	25	30	11	FI	QZVN	LIM		0.055	-0.2	102	36	-2	1	-10	64	34	4	-1	5030
OD-5	30	35	11	FI	QZVN	LIM		0.050	-0.2	124	44	-2	-1	-10	72	22	1	-1	5035
OD-5	35	40	11	FI	QZVN	LIM		0.065	-0.2	184	48	-2	-1	-10	84	28	2	1	5040
OD-5	40	50	11	FI	QZVN	LIM		0.265	-0.2	142	28	-2	1	-10	52	352	8	-1	5050
OD-5	50	55	11	FI	QZVN	LIM	PY	0.110	-0.2	156	38	-2	-1	-10	68	72	1	-1	5055
OD-5	55	60	11	FI		LIM		0.110	-0.2	176	44	-2	-1	-10	68	48	1	-1	5060
OD-5	60	70	11	FI		LIM		0.085	-0.2	108	42	2	1	-10	84	268	21	-1	5070

OD-1

LOGGED BY: J.R. Woodman

DATE: 9-3-96

SUMMARY: Felsic Intrusive - fine grained limonite stained and locally Bleached Fractured rock is characterized by stronger limonite minor hematite and Wad on fracture surfaces

PROJECT: Old Dog EBGP 1920

HOLE NO.: Old Dog # 1

DRILL TYPE: 4 1/4" Airtrack R

E. COORD.: 5W

N. COORD: 10N

ELEV.:

TOTAL DEPTH: 225

BEARING: -135°

INCLINATION: -60

PAGE 1 OF 3

SAMPLE NUMBER	Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	COMMENTS
							0				
							5				
[illegible]	.035	<					10	F.I			Felsic intrusive, fine grain LIM and Wad on fractures
1015	.035	<	136	18	<	<	15				Felsic Intrusive fine grained with scattered quartz & LIM on fractures
1020	.015	<	84	20	<	1	20				Felsic Intrusive, as above with 10-20% clear qtz
1025	.005	<	76	24	2	1	25				Felsic Intrusive, bleached and LIM stained
1030	.015	<	116	12	<	1	30				Felsic Intrusive with qtz eyes. BLCH > LIM, Weak quartz veining
1035	<	<	82	16	<	1	35				Felsic Intrusive fine grained with mafics amphibole (?)
1040	<	<	48	22	<	<	40				Felsic Intrusive: same as above w/ less BLCH
1045	<	<	88	16	<	1	45				Felsic Int weak BLCH w/ LIM on fractures no qtz vns
1050	.035	<	172	22	<	<	50				Felsic Int. tr qtz vns - clear, weak LIM stain
1055	.040	<	156	24	<	1	55				Felsic Int w/ LIM on fract and qtz vn selvages
1060	.020	<	160	28	<	<	60				Felsic Int w/ LIM, scattered mafics and qtz eyes
1065	<	<	84	22	<	<	65				Felsic Int. same as above w/ 2-3% clear qtz veins fractured
1070	.005	<	46	26	<	1	70				Felsic Int. LIM stained to BLCH minor MnO
1075	.070	<	192	26	<	<	75	↓			Felsic Int. LIM stained to BLC One chip of milky white qtz vein

ALTERATION: PERV. SIL | VNLT. SIL | | | | BLCH | MnO

OXIDES: HEM | JAR | LIM

SULFIDES: PY | ASPY

Rite in the Rain

J.L. DARLING C

OD-1

LOGGED BY: J.R. Woodmansee

DATE 9-3-96

SUMMARY: Felsic Intrusive - oxidized as above overlying a Quartz, meta-conglomerate, schist. Probably in fault contact. Evidenced by fractured rock and the fault contact alteration. QMS contains endomorphic quartz and is unaltered

PROJECT Old Dog ERGP 1920

HOLE NO. OD #1 D

E. COORD.

ELEV.

BEARING

DRILL TYPE RVC Auctrack

N. COORD

TOTAL DEPTH

INCLINATION

PAGE 2 OF 3

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION PERV SIL	VNLT SIL	BLCH	MnO	GOE	OXIDES HEM	JAR	LIM	SULFIDES PY	COMMENTS
							75													
1080	.020	<	86	22	<	<	80	FI												Felsic Intrusive weakly BLCH w/ MnO on fractures and LIM near fractures. Weakly fractured
1085	<	<	34	22	<	1	85													Same as above w/ more LIM
1090	.090	<	234	34	<	1	90													Felsic Intrusive LIM > BLCH minor MnO on fractures
1095	.020	<	38	34	<	1	95													Same as above
1100	<	<	16	38	<	1	100													Shear Zone (?) Damp, large chip MnO weak on fractures.
1105	.053	<	122	36	<	1	105													Felsic Intrusive, LIM bands to GOE and scattered mafics
1110	.090	<	270	44	<	<	110													Felsic Intrusive, minor fervent LIM and LIM bands, scattered mafics
1115	.195	<	500	30	<	<	115													Same as above w/ to 5% qtz veining
1120	.360	<	808	32	<	1	120													Felsic Int fine grained w/ small qtz eyes. Several BLCH chips
1125	.020	<	94	30	<	1	125													Same as above w/ scattered mafic specks
1130	.020	<	134	16	<	1	130													Same as above
1135	.035	<	76	10	<	1	135													Felsic Int. Fine grained with biotite BLCH > LIM, weak qtz veining - clear qtz
1140	.050	<	204	24	<	1	140													Felsic Int as above w/ contact at end of interval. Fault contact (?) big chips
1145	.045	<	496	124	<	1	145	QMS												40% Felsic Int and 60% QMS FI is Oxidized, QMS is unoxidized strong brecciation
1150	.450	<	940	20	<	1	150													QMS w/ minor oxidization 10% qtz sweat veins

OD-1

LOGGED BY: J.R. Woodman
DATE 9-4-96

SUMMARY: Unaltered Metamorphic rock ranging from Muscovite, Quartz Schist to Quartzite, containing milky-quartz veins. One zone of clay gouge

PROJECT Old Dog
HOLE NO. OD #1
E. COORD.
ELEV.
BEARING
DRILL TYPE
N. COORD
TOTAL DEPTH
INCLINATION
PAGE 3 OF 3

SAMPLE NUMBER	Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	COMMENTS
							150	QMS	
1155	.410	<	526	26	<	1	155		QMS weakly oxidized 10% milky qtz sweat veins
1160	.435	<	1805	34	<	1	160		QMS as above with 30 F.I. contamination
1165	.075	<	742	30	<	1	165		QMS <5% oxidized, tr of -10% milky qtz sweats veins 0% contamination
1170	.040	<	644	70	<	1	170		QMS - 10-20% vein qtz, tr py in vns & QMS no contamination
1175	<	<	290	44	<	1	175		QMS w/ 20-25% milky qtz ve tr disseminated py. <5% ox
1180	.025	<	340	20	<	<	180		QMS same as above w/ disseminated py and py in foliation bands
1185	.035	<	338	30	<	<	185	MQS QMS	QMS to MQS 40% wk LIM stained, tr py disseminated fracture zone (?)
1190	.020	<	466	46	<	1	190	QZT QMS	QMS to QZT 30% QZVN, 5% wk Limonite stained, tr diss. py
1195	.010	<	278	10	<	1	195		QMS to QZT 20% milky QZ muscov → LIM, py tr (?)
1200	.030	<	426	28	<	<	200	clay gouge QMS	As above w/ lim followed by oxidized clay gouge. 20% F.I. intrusive.
1205	.050	<	246	20	<	1	205		QMS tr limonite staining 20% milky qtz
1210	.140	<	354	48	<	<	210		QMS unoxidized with tr of disseminated pyrite
1215	.100	<	746	14	<	<	215		QMS unoxidized w/ 20% milky qtz
1220	.015	<	260	8	<	<	220		QMS to QZT w/ 5% milky vein qtz
1225	.010	<	422	10	<	<	225	QZT	QZT w/ Minor QMS 2-3% milky vein qtz

ALTERATION: PERV SIL, VNLT SIL, Gouge clay, Bleach, MnO, GOE — OXIDES: HEM, JAR, LIM — SULFIDES: PY

End of Hole

"Rite in the Rain"

MG Data Report 306

OD-2

LOGGED BY: J.R. Woodman

DATE 9-7-96

SUMMARY: Felsic Intrusive Fine Grained - limonite stained and locally BLCH, 15-100' highly fractured, w/ Wad on fractures from 15' to 45', Qtz veining ranges from druzy to STWK veinlets

PROJECT Old Dog

HOLE NO.

E. COORD.

ELEV.

BEARING 135°

DRILL TYPE Austrack RVC

N. COORD

TOTAL DEPTH

INCLINATION -70

PAGE 1 OF 3

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION PERV SIL	VNLT. SIL	BLCH	MnO	OXIDES HEM	JAR	GOE LIM	SULFIDES PY	COMMENTS
OD 2015	.075	<	162	48	<	<	0	FT											Felsic Intrusive - fine grained limonite stained. 20% QMS float
2020	.200	<	436	118	<	1	15												Felsic Intrusive - fine grained limonite stained. Fracture at 1. w/ MnO / BLCH ; tr druzy qtz
2025	.180	<	274	66	<	1	20												Felsic Intrusive as above. Fracture zone at 24' - BLCH / MnO in large Numerous blebs of limonite
2030	.095	<	316	40	<	<	25												Felsic Intrusive. Large fracture 26-30' containing BLCH FI. w/ MnO on fractures
2035	No		recovery				30			? ? ?									Felsic Intrusive(?) Large Fracture No Recovery
2040	.220	<	558	50	<	1	35												Felsic Intrusive. Fractured. Mino BLCH. MnO locally on fracture tr of clear qtz
2045	.450	<	1025	66	<	1	40												Felsic Intrusive LIM > HM staine tr of sil, minor clear qtz
2050	.360	<	464	40	<	1	45												Felsic Intrusive - Locally sil w/ STWK veinlets
2055	.370	<	394	40	<	<	50												Felsic Intrusive as above w/ fracture zone at 54'. Stronger sil and veining
2060	.140	<	278	40	<	1	55												Felsic Int w/ trace of clear qtz veining
2065	.180	<	346	54	2	1	60												Felsic Int fracture @ 64' ft Weakly sil. Trace of clear druzy qtz veining.
2070	No		recovery				65			? ?									Fracture or Fault No Recovery
2075	No		recovery				70			? ?									↓
2080	.095	<	122	28	2	1	75												Felsic Int. weakly BLCH and Weak LIM. Tr. of qtz veining and minor Sil Locally
2085	.175	<	246	44	2	1	80	↓											Felsic Int as above > QMS and metamorphic garnets
							85												

OD-2

LOGGED BY: J.R. Woodman
DATE: 9-7-96

SUMMARY: Felsic Intrusive to approx. 89 ft overlying schist ranging from muscovite Quartz to impure Quartzite. 3-10% milky metamorphic quartzite veins. Oxidized to approx 150 ft

PROJECT: Old Dog
HOLE NO.: OD # 2
E. COORD.:
ELEV.:
BEARING:
DRILL TYPE: Autrack RV
N. COORD:
TOTAL DEPTH:
INCLINATION: -70
PAGE: 2 OF 3

SAMPLE NUMBER	Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	PERV. SIL	VNLT. SIL	HEM	JAR	LIM GOE	PY	COMMENTS
							85	FI									80% F.I. and 20% QM. Unox > ox, meta-quartz(?)
OD 2090	.015	<	212	34	<	1	90	QMS									QMS unox > ox w/ 5% Meta-morphic quartz
2095	.035	<	216	38	<	1	95										No recovery
2100	No recovery						100	?		? ? ?							QMS to Q2T unox > ox, mod to LIM stained. Metamorphic quartz sweats 5%
2105	.010	<	192	38	<	1	105	QMS Q2T ↓ QMS									Same as above
2110	<	<	122	24	<	1	110										QMS w/ LIM staining 3-5% quartz sweat veins
2115	.015	<	150	30	<	<	115										Same as above w/ 5-7% metamorphic quartz veinin
2120	.015	<	194	24	<	<	120										QMS w/ smeth fracture zone
2125	.010	<	214	30	<	<	125										QMS limonite stained w/ 5-5% metamorphic quartz
2130	.050	<	256	36	<	1	130										Same as above
2135	.010	<	154	22	<	1	135										QMS to MQS unox > ox. Trace 1% metamorphic quartz vein
2140	<	<	104	10	<	1	140	MQS									MQS unox > ox, trace of pyrite 5-7% metamorphic quartz
2145	<	<	98	22	<	<	145										MQS ox > unox meta. quartz vein at 146', 20% qtz vn
2150	.015	<	226	50	<	1	150										MQS unox > ox 7-10% meta qtz tr of pyrite
2155	<	<	64	38	<	1	155										Same as above

OD-2

LOGGED BY: J.R. Woodman
DATE 9-7-96

SUMMARY: Quartz, Muscovite schist containing 1-12% milky metamorphic quartz, Mostly unoxidized, except on vein selvages, which are limonite stained.

PROJECT Old Dog
HOLE NO. OD#2
E. COORD.
ELEV.
BEARING
DRILL TYPE
N. COORD
TOTAL DEPTH
INCLINATION
PAGE 3 OF 3

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION PERV. SIL.	VNLT. SIL.	OXIDES HEM	JAR	UM GOE	SULFIDES PY	COMMENTS
							160										
OD2165	.070	<	318	10	<	<	165	QMS									QMS 1-3% qtz sweat veins
2180	<	<	48	12	<	<	170	MQS									MQS 3-5% mafic qtz veins Unoxidized >> oxidized
2175	<	<	42	10	<	<	175										MQS same as above slightly more oxidized
2180	.055	<	246	18	<	1	180										MQS unox >> oxidized, 7-10% meta quartz veins
2185	.085	<	158	14	<	<	185	QMS									MQS → QMS, 1-3% meta quartz veins, staurolite ?
2190	<	<	84	6	<	<	190										QMS same as above with large quartz vein at 189 ft — 12-15% qtz
2195	<	<	62	4	<	<	195	MQS QMS									MQS → QMS 3-5% quartz sweat veins
2200	.030	<	180	10	<	<	200										QMS 3-5% quartz sweat vei
2205	<	<	226	2	<	<	205										Same as above
2210	<	<	98	8	<	<	210	MQS QMS									QMS → MQS → QMS 3-5% quartz sweat veins

OD-3

LOGGED BY: J.R. Woodman
DATE: 9-8-96

SUMMARY: Felsic Intrusive from 0-53 ft 15-40 ft F.I is altered to R bleached rock, composed of sericite and quartz grains From 53 ft to the T.D. of 85, Quartzite, Muscovite Schist was sampled, containing 10 to 35% metamorphic quartz veining

PROJECT: Old Dog
HOLE NO.: OD#3
E. COORD.:
ELEV.:
BEARING: 135°
DRILL TYPE: Austruth RVC,
N. COORD:
TOTAL DEPTH: 85'
INCLINATION: -60°
PAGE: 1 OF

SAMPLE NUMBER	Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION: PERV. SIL.	VNLT. SIL.	SER	BLCH	Wad	OXIDES: HEM	JAR	LIM COE	SULFIDES: PY	COMMENTS
							0	F.I.	SER											Felsic Intrusive w/ 3-5% ele
OD3015	.265	<	720	46	<	<	15													F.I.
OD3020	.145	<	200	26	<	<	20													Felsic Intrusive, BLCH; SIL & SE nearly translucent. w/ 5-7 quartz veins as above
OD3025	.070	<	178	22	<	<	25													Felsic Intrusive, as above 10-12% quartz veining Fracture zone at ~24'
OD3030	.090	<	266	20	<	<	30													Same as above w/ 3-5% quartz veining
OD3035	.250	<	522	28	<	1	35													Felsic Int. BLCH; SIL & SER quartz veining drusy 3-5%
OD3040	.190	<	644	22	<	<	40													Same as above w/ LIM on fracture surfaces
OD3045	.525	<	866	30	<	<	45													Felsic Int. BLCH & SIL(?)... 5-7% drusy quartz veinin
OD3050	.710	0.2	1660	46	<	<	50													Felsic Int w/ clay gouge a 48' - grey clay.
OD3055	.425	<	2040	46	<	<	55	QMS												Felsic Int, clear to milky Qtz 30-35%, MBS 0-10%
OD3060	.295	<	1170	84	<	<	60													QMS w/ 10-15% milky Qtz unox > oxidized
OD3065	.085	<	856	40	<	<	65													QMS fracture zone at 6 w/ clay gouge & milky Qua
OD3070	.285	<	1180	28	<	<	70													QMS w/ massive milky white quartz at 68-69 ft 30-35% unox = oxidized
OD3075	2.05	<	5520	36	<	<	75													QMS w/ 15-20% milky white Qtz.
OD3080	4.89	0.2	6290	40	<	<	80													QMS w/ 20-25% milky white Qtz
OD3085	.149	<	2780	34	<	1	85													QMS w/ 20-25% milky white Qtz

EOH

J.L. DARLING

OD-4

LOGGED BY: JR. Woodman
DATE: 9-8-96

SUMMARY: Felsic intrusive - oxidized, bleached & altered to sericite and quartz from 25-40', Fault contact at 42'. Underlain by quartz, muscovite schist.

PROJECT: Old Dog
HOLE NO.: OD# 4
E. COORD.:
ELEV.:
BEARING: 315°

4½" bit
DRILL TYPE: Eutrack RVC
N. COORD:
TOTAL DEPTH: 95
INCLINATION: -60
PAGE: 1 OF 1

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION PERV SIL	VNLT SIL	SER	BLCH	Wkl	OXIDES HEM	JAR	GOE LIM	SULFIDES PY	COMMENTS
							0													
4015	.455	<	676	52	<	1	15	Fls	SER											Felsic Intrusive, limonite stain w/ Wkd on fractures, 2-3% clear qtz veinlets
4020	1.18	0.2	1470	118	<	3	20													Felsic Int. Limonite stained 5-7% qtz veining, altered to quartz-sericite
4025	1.23	0.2	1885	184	<	5	25													Felsic int, 50% LIM stained, 10-12% qtz veins. Fracture zone 25'
4030	.885	0.4	1295	106	2	31	30													Felsic Int wk BLCH, SER Fault gouge - white clay
4036	.695	0.2	1555	314	2	19	35													Felsic Int. wk-BLCH, SER
4040	.110	<	414	186	<	2	40													Felsic Int. wkBLCH, SER 5-7% clear to milky qtz
4045	.085	0.2	704	1705	<	3	45	QMS												20% Felsic, 80% QMS, 5-7% milky qtz vein
4050	.100	0.2	410	144	<	2	50													QMS 5-7% milky qtz veins, stronger LIM
4055	.020	<	234	74	<	1	55													QMS, w/ 7-9% milky qtz veins
4060	.110	<	158	282	<	1	60													QMS 55-57' limonite stain 57-60 unoxidized, w/ 3-5% milky qtz veins
4065	<	<	58	72	<	<	65													QMS, 10-12% qtz veining includes large qtz vein at 6
4070	.215	<	148	26	<	<	70													Same as above w/ large qtz vein at 69-70'
4075	<	<	12	16	<	<	75													QMS Unox >> oxidized-LIM 7-9% milky quartz veining
4080	<	<	14	22	<	<	80													QMS Unoxidized, 5-7% milky quartz
4085	<	<	12	16	<	<	85													QMS Unoxidized w/ < 20% limonite stained quartzite at 82-

OD-4

LOGGED BY: J.R. Woodman
DATE 9-8-91

SUMMARY:

PROJECT Old Dog
HOLE NO. OD#4
E. COORD.
ELEV.
BEARING
DRILL TYPE
N. COORD
TOTAL DEPTH 95
INCLINATION
PAGE 2 OF 2

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION PERV SIL	VNLT SIL				BLCH	OXIDES HEM	JAR	GOE LIM	SULFIDES PY			COMMENTS
							85																
OD4090	020	<	16	22	<	<	90	QMS															QMS w/ 3-5% qtz veining containing a trace of PY
OD4095	<	<	30	16	2	<	95	↓															QMS w/ 5-7% milky qtz vein unoxidized, wk BLCH

Data Report: 106

Page 17 of 134

OD-5

LOGGED BY: J.R. Woodman
DATE: 7-5-91

SUMMARY: Felsic Intrusive - fine grained; LIM stained locally BLCH. Fractured ground through most of the hole w/ Wad on fractured surfaces. Several chips of schist were encountered at 90°, Appears to be a fault contact.

PROJECT: Old Dog
HOLE NO.: OD#2A
E. COORD.: 0E
ELEV.:
BEARING: 135°

4½" bit
DRILL TYPE: Airtrack RVC
N. COORD: 8N
TOTAL DEPTH:
INCLINATION: -60°
PAGE 1 OF 1

SAMPLE NUMBER	ANALYTICAL RESULTS Au ppb	Ag	As	Sb	Bi	Mo
OD5015	070	<	158	48	<	<
5020	055	<	108	46	<	<
5025	035	<	90	36	<	<
5030	055	<	102	36	<	1
5035	050	<	124	44	<	<
5040	065	<	184	48	<	<
5045	No Recovery					
5050	265	<	142	28	<	1
5055	110	2	156	38	<	<
5060	110	<	176	44	<	<
5065	No Recovery					
5070	065	<	108	42	2	1
	No Recovery					

DEPTH: 0, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75

ROCK TYPE: F.I.

ALT.:

GRAPHIC LOG:

ALTERATION: PERV. SIL, VNLT. SIL, BLCH, MnO

OXIDES: HEM, JAR, LIM GOE

SULFIDES: PY

COMMENTS:

- Felsic Intrusive - Fine grain w/ quartz eyes, MnO on fracture mostly flat.
- Felsic Int - Fine grain w/ quartz eyes. 2-3% clear quartz - Fract at 17', 10% BLCH
- Felsic Int - fine green fracture at 23-24 ft - Large chips contain med grain pegl(?), biotite
- Felsic Int - Fine grain w/ 1-2% clear qtz
- Felsic Int - Fine grain - 1% QZV clear, fracture at 33' - large chip w/ MnO on surfaces
- Felsic Int - Highly fractured Poor recovery
- No sample recovery
- Felsic Int. - 1% of clear qtz vein
- Felsic Int. w/ several chips of banded py (meta?) 1% of sample
- Felsic Int. fine grained w/ more matrix - biotite ? sample
- No sample recovery
- Felsic Int. Fine grained. poor recovery of sand-size sample

OCT - 3 1996

Unit Data Report 306

Chemex Labs, Inc.

*Analytical Chemists * Geochemists * Registered Assayers*

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To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Certificate Date: 27-SEP-96
Invoice No. :I9633304
P.O. Number :
Account :DOGN

CERTIFICATE OF ANALYSIS A9633304

SAMPLE	PREP CODE		Au ppm FA+AA	Ag ppm	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Pb ppm	Zn ppm	Cu ppm	Al %	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm
OD 1010	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
OD 1015	205	294	0.035	< 0.2	136	18	< 2	< 1	< 10	78	34	2	0.71	40	< 0.5	0.11	< 0.5	1	139	0.80	< 10
OD 1020	205	294	0.015	< 0.2	84	20	< 2	1	50	78	48	3	0.77	40	0.5	0.10	< 0.5	< 1	157	0.75	< 10
OD 1025	205	294	0.005	< 0.2	76	24	< 2	1	20	74	44	3	0.71	40	< 0.5	0.08	< 0.5	< 1	172	0.80	< 10
OD 1030	205	294	0.015	< 0.2	116	12	< 2	1	10	68	60	2	0.49	30	< 0.5	0.05	< 0.5	< 1	134	0.82	< 10
OD 1035	205	294	< 0.005	< 0.2	82	16	< 2	1	< 10	76	44	1	0.62	30	< 0.5	0.09	< 0.5	< 1	122	0.75	< 10
OD 1040	205	294	< 0.005	< 0.2	48	22	< 2	< 1	< 10	80	32	< 1	0.57	30	< 0.5	0.10	< 0.5	< 1	128	0.68	< 10
OD 1045	205	294	< 0.005	< 0.2	88	16	< 2	1	< 10	84	26	< 1	0.52	40	< 0.5	0.08	< 0.5	< 1	129	0.61	< 10
OD 1050	205	294	0.035	< 0.2	172	22	< 2	< 1	< 10	78	42	1	0.48	20	< 0.5	0.08	< 0.5	< 1	106	0.75	< 10
OD 1055	205	294	0.040	< 0.2	156	24	< 2	1	< 10	70	20	1	0.43	20	< 0.5	0.07	< 0.5	< 1	133	0.81	< 10
OD 1060	205	294	0.020	< 0.2	160	28	< 2	< 1	< 10	76	34	2	0.44	20	< 0.5	0.07	< 0.5	< 1	131	0.86	< 10
OD 1065	205	294	< 0.005	< 0.2	84	22	< 2	< 1	< 10	86	36	< 1	0.50	10	< 0.5	0.09	< 0.5	< 1	122	0.70	< 10
OD 1070	205	294	0.005	< 0.2	46	26	< 2	1	< 10	78	32	1	0.37	10	< 0.5	1.12	< 0.5	< 1	78	0.67	< 10
OD 1075	205	294	0.070	< 0.2	192	26	< 2	< 1	< 10	74	90	3	0.43	10	< 0.5	0.09	< 0.5	< 1	157	0.72	< 10
OD 1080	205	294	0.020	< 0.2	86	22	< 2	< 1	< 10	84	136	4	0.38	10	0.5	0.08	< 0.5	< 1	99	0.77	< 10
OD 1085	205	294	< 0.005	< 0.2	34	22	< 2	1	< 10	76	38	1	0.55	20	< 0.5	0.82	< 0.5	< 1	123	0.64	< 10
OD 1090	205	294	0.090	< 0.2	234	34	< 2	1	< 10	74	46	1	0.64	40	0.5	0.77	< 0.5	< 1	110	0.70	< 10
OD 1095	205	294	0.020	< 0.2	38	34	< 2	1	< 10	70	54	1	0.57	30	< 0.5	1.53	< 0.5	< 1	105	0.64	< 10
OD 1100	205	294	< 0.005	< 0.2	16	38	< 2	1	< 10	72	104	1	0.54	40	< 0.5	1.12	< 0.5	< 1	104	0.72	< 10
OD 1100A	214	--	0.210	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD 1105	205	294	0.055	< 0.2	122	36	< 2	1	< 10	72	48	1	0.62	30	< 0.5	0.53	< 0.5	< 1	103	0.68	< 10
OD 1110	205	294	0.090	< 0.2	270	44	< 2	< 1	< 10	72	138	1	0.47	30	< 0.5	0.58	< 0.5	< 1	87	0.67	< 10
OD 1115	205	294	0.195	< 0.2	500	30	< 2	< 1	< 10	72	42	< 1	0.63	40	< 0.5	0.26	< 0.5	< 1	111	0.66	< 10
OD 1120	205	294	0.360	< 0.2	808	32	< 2	1	< 10	70	88	1	0.58	30	< 0.5	0.75	< 0.5	< 1	93	0.62	< 10
OD 1125	205	294	0.020	< 0.2	94	30	< 2	1	< 10	74	34	< 1	0.61	30	< 0.5	1.58	< 0.5	< 1	86	0.63	< 10
OD 1130	205	294	0.020	< 0.2	134	16	< 2	1	< 10	82	322	< 1	0.55	30	< 0.5	0.59	< 0.5	< 1	86	0.64	< 10
OD 1135	205	294	0.035	< 0.2	76	10	< 2	1	< 10	86	92	< 1	0.58	20	< 0.5	0.92	< 0.5	< 1	78	0.59	< 10
OD 1140	205	294	0.050	< 0.2	204	24	< 2	1	< 10	76	94	8	0.58	40	0.5	0.93	0.5	1	66	0.96	< 10
OD 1145	205	294	0.045	< 0.2	496	124	< 2	1	< 10	18	78	22	0.93	50	< 0.5	0.17	< 0.5	10	125	2.59	< 10
OD 1150	205	294	0.450	< 0.2	940	20	< 2	1	< 10	10	78	10	0.44	40	< 0.5	0.09	< 0.5	8	150	1.92	< 10
OD 1155	205	294	0.410	< 0.2	526	26	< 2	1	< 10	8	96	26	0.82	40	< 0.5	0.12	< 0.5	12	129	3.37	< 10
OD 1160	205	294	0.435	< 0.2	1805	34	< 2	1	< 10	12	108	18	0.72	40	< 0.5	0.20	< 0.5	11	124	3.02	< 10
OD 1165	205	294	0.075	< 0.2	742	30	< 2	1	10	6	66	18	0.98	40	< 0.5	0.10	< 0.5	9	188	2.58	< 10
OD 1170	205	294	0.040	< 0.2	644	70	< 2	1	< 10	10	86	31	1.41	40	< 0.5	0.15	< 0.5	9	118	3.38	< 10
OD 1175	205	294	< 0.005	< 0.2	290	44	< 2	1	< 10	6	82	20	1.03	40	< 0.5	0.08	< 0.5	7	159	2.55	< 10
OD 1180	205	294	0.025	< 0.2	340	20	< 2	< 1	< 10	8	38	12	0.58	40	< 0.5	0.06	< 0.5	5	162	1.67	< 10
OD 1185	205	294	0.035	< 0.2	338	30	< 2	< 1	< 10	6	34	13	0.59	50	< 0.5	0.11	< 0.5	6	183	1.70	< 10
OD 1190	205	294	0.020	< 0.2	466	46	< 2	1	< 10	10	66	22	0.66	40	< 0.5	0.08	< 0.5	11	151	2.77	< 10
OD 1195	205	294	0.010	< 0.2	278	10	< 2	1	< 10	8	70	26	0.45	30	< 0.5	0.03	< 0.5	10	188	2.68	< 10
OD 1200	205	294	0.030	< 0.2	426	28	< 2	< 1	< 10	12	60	28	0.62	50	< 0.5	0.06	< 0.5	8	132	2.56	< 10

CERTIFICATION: Hart Bichler

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers
994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :1-B
Total Pages :4
Certificate Date: 27-SEP-96
Invoice No. :19633304
P.O. Number :
Account :DOGN

CERTIFICATE OF ANALYSIS A9633304

SAMPLE	PREP CODE		Hg ppm	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
OD 1010	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
OD 1015	205	294	< 1	0.25	10	0.08	540	< 0.01	6	60	< 1	11	< 0.01	< 10	< 10	3
OD 1020	205	294	< 1	0.29	10	0.07	475	0.01	5	70	< 1	10	< 0.01	< 10	< 10	1
OD 1025	205	294	< 1	0.30	10	0.05	360	0.01	5	70	< 1	8	< 0.01	< 10	< 10	1
OD 1030	205	294	< 1	0.25	10	0.03	170	< 0.01	4	50	< 1	5	< 0.01	< 10	< 10	1
OD 1035	205	294	< 1	0.26	10	0.05	255	< 0.01	3	70	< 1	7	< 0.01	< 10	< 10	< 1
OD 1040	205	294	< 1	0.26	10	0.04	345	< 0.01	3	80	< 1	8	< 0.01	< 10	< 10	< 1
OD 1045	205	294	< 1	0.26	10	0.03	400	< 0.01	3	80	< 1	7	< 0.01	< 10	< 10	< 1
OD 1050	205	294	< 1	0.25	10	0.02	300	< 0.01	4	70	< 1	8	< 0.01	< 10	< 10	< 1
OD 1055	205	294	< 1	0.26	< 10	0.02	50	< 0.01	4	50	< 1	11	< 0.01	< 10	< 10	< 1
OD 1060	205	294	< 1	0.27	< 10	0.01	140	< 0.01	4	60	< 1	10	< 0.01	< 10	< 10	< 1
OD 1065	205	294	< 1	0.25	10	0.03	345	< 0.01	3	70	< 1	7	< 0.01	< 10	< 10	< 1
OD 1070	205	294	< 1	0.23	10	0.02	240	< 0.01	2	60	< 1	29	< 0.01	< 10	< 10	< 1
OD 1075	205	294	< 1	0.26	< 10	0.01	105	< 0.01	3	70	< 1	7	< 0.01	< 10	< 10	< 1
OD 1080	205	294	< 1	0.25	10	0.01	75	< 0.01	2	60	< 1	6	< 0.01	< 10	< 10	< 1
OD 1085	205	294	< 1	0.31	10	0.01	195	< 0.01	2	60	< 1	15	< 0.01	< 10	< 10	< 1
OD 1090	205	294	< 1	0.30	10	0.03	480	< 0.01	3	70	< 1	33	< 0.01	< 10	< 10	< 1
OD 1095	205	294	< 1	0.32	10	0.03	240	0.02	2	70	< 1	46	< 0.01	< 10	< 10	< 1
OD 1100	205	294	< 1	0.33	10	0.02	260	0.03	2	60	< 1	51	< 0.01	< 10	< 10	< 1
OD 1100A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD 1105	205	294	< 1	0.32	10	0.03	190	0.03	2	70	< 1	21	< 0.01	< 10	< 10	< 1
OD 1110	205	294	< 1	0.30	10	0.01	190	0.03	2	70	< 1	12	< 0.01	< 10	< 10	< 1
OD 1115	205	294	< 1	0.36	10	0.02	205	0.03	2	70	< 1	12	< 0.01	< 10	< 10	< 1
OD 1120	205	294	< 1	0.31	10	0.03	180	0.02	1	70	< 1	21	< 0.01	< 10	< 10	< 1
OD 1125	205	294	< 1	0.28	10	0.03	400	< 0.01	1	60	< 1	28	< 0.01	< 10	< 10	< 1
OD 1130	205	294	< 1	0.28	10	0.01	320	< 0.01	2	70	< 1	13	< 0.01	< 10	< 10	< 1
OD 1135	205	294	< 1	0.26	10	0.05	540	0.01	2	60	< 1	41	< 0.01	< 10	< 10	< 1
OD 1140	205	294	< 1	0.24	10	0.07	690	< 0.01	8	90	< 1	46	< 0.01	< 10	< 10	< 1
OD 1145	205	294	< 1	0.19	30	0.26	555	< 0.01	25	180	1	20	< 0.01	< 10	< 10	6
OD 1150	205	294	< 1	0.15	20	0.08	350	< 0.01	18	150	1	13	< 0.01	< 10	< 10	5
OD 1155	205	294	< 1	0.19	40	0.18	545	< 0.01	31	250	1	15	< 0.01	< 10	< 10	7
OD 1160	205	294	< 1	0.14	30	0.16	570	< 0.01	27	290	1	20	< 0.01	< 10	< 10	7
OD 1165	205	294	< 1	0.17	20	0.31	360	< 0.01	23	160	1	12	< 0.01	< 10	< 10	7
OD 1170	205	294	< 1	0.19	40	0.52	290	< 0.01	22	300	1	23	< 0.01	< 10	< 10	9
OD 1175	205	294	< 1	0.18	30	0.37	235	< 0.01	15	180	1	15	< 0.01	< 10	< 10	7
OD 1180	205	294	< 1	0.16	10	0.15	205	< 0.01	13	110	< 1	12	< 0.01	< 10	< 10	5
OD 1185	205	294	< 1	0.18	10	0.14	305	< 0.01	16	360	1	16	< 0.01	< 10	< 10	6
OD 1190	205	294	< 1	0.17	30	0.12	330	< 0.01	27	210	1	19	< 0.01	< 10	< 10	8
OD 1195	205	294	< 1	0.12	10	0.04	230	< 0.01	24	140	1	14	< 0.01	< 10	< 10	6
OD 1200	205	294	< 1	0.16	30	0.09	180	< 0.01	20	170	3	33	< 0.01	< 10	< 10	10

CERTIFICATION: Stuart Bechler

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers
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PHONE: 702-356-5395 FAX: 702-355-0179

To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :2-A
Total Pages :4
Certificate Date: 27-SEP-96
Invoice No. :19633304
P.O. Number :
Account :DOGN

CERTIFICATE OF ANALYSIS A9633304

SAMPLE	PREP CODE		Au ppm FA+AA	Ag ppm	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Pb ppm	Zn ppm	Cu ppm	Al %	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm
OD 1200A	214	--	0.080	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD 1205	205	294	0.050	< 0.2	246	20	< 2	1	< 10	10	16	9	0.38	40	< 0.5	0.04	< 0.5	1	116	1.15	< 10
OD 1210	205	294	0.140	< 0.2	354	48	< 2	< 1	< 10	148	20	10	0.43	50	< 0.5	0.03	< 0.5	3	179	1.08	< 10
OD 1215	205	294	0.100	< 0.2	746	14	< 2	< 1	< 10	56	12	6	0.31	40	< 0.5	0.01	< 0.5	1	182	0.85	< 10
OD 1220	205	294	0.015	< 0.2	250	8	< 2	< 1	< 10	28	12	5	0.28	40	< 0.5	0.01	< 0.5	1	240	0.66	< 10
OD 1225	205	294	0.010	< 0.2	422	10	< 2	< 1	< 10	44	14	7	0.27	40	< 0.5	0.01	< 0.5	2	168	0.71	< 10
OD 2015	205	294	0.075	< 0.2	162	48	< 2	< 1	< 10	52	36	6	0.61	60	< 0.5	0.10	< 0.5	3	148	1.39	< 10
OD 2020	205	294	0.200	< 0.2	476	118	< 2	1	< 10	62	36	2	0.48	50	< 0.5	0.30	< 0.5	< 1	111	0.77	< 10
OD 2025	205	294	0.110	< 0.2	274	66	< 2	1	< 10	68	48	1	0.67	50	< 0.5	0.32	< 0.5	< 1	131	0.72	< 10
OD 2030	205	294	0.095	< 0.2	316	40	< 2	< 1	< 10	76	72	1	0.57	50	< 0.5	0.14	< 0.5	< 1	135	0.72	< 10
OD 2040	205	294	0.220	< 0.2	558	50	< 2	1	< 10	78	144	5	0.83	50	0.5	0.40	< 0.5	1	150	1.00	< 10
OD 2045	205	294	0.450	< 0.2	1025	66	< 2	1	< 10	80	98	2	0.71	80	0.5	0.20	< 0.5	< 1	139	0.83	< 10
OD 2050	205	294	0.360	< 0.2	464	40	< 2	1	< 10	82	68	2	0.42	30	< 0.5	0.09	< 0.5	< 1	95	0.68	< 10
OD 2055	205	294	0.370	< 0.2	394	40	< 2	< 1	< 10	72	38	1	0.49	30	< 0.5	0.07	< 0.5	< 1	133	0.73	< 10
OD 2060	205	294	0.140	< 0.2	278	40	< 2	1	< 10	72	88	2	0.45	30	< 0.5	0.62	< 0.5	< 1	46	0.52	< 10
OD 2065	205	294	0.180	< 0.2	346	54	2	1	< 10	70	60	2	0.58	40	0.5	0.49	< 0.5	< 1	108	0.65	< 10
OD 2080	205	294	0.095	< 0.2	122	28	2	1	< 10	64	124	2	0.70	60	0.5	0.07	< 0.5	< 1	98	0.65	< 10
OD 2085	205	294	0.125	< 0.2	246	44	2	1	< 10	36	174	13	0.60	50	< 0.5	0.10	< 0.5	6	118	1.73	< 10
OD 2090	205	294	0.015	< 0.2	212	34	< 2	1	< 10	8	102	17	0.59	30	< 0.5	0.08	< 0.5	7	96	2.24	< 10
OD 2095	205	294	0.035	< 0.2	216	38	< 2	1	< 10	12	92	18	0.52	40	< 0.5	0.08	< 0.5	7	165	2.47	< 10
OD 2100A	214	--	0.280	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD 2105	205	294	0.010	< 0.2	192	38	< 2	1	< 10	18	190	15	0.37	50	< 0.5	0.04	< 0.5	8	146	2.36	< 10
OD 2110	205	294	< 0.005	< 0.2	122	24	< 2	1	< 10	10	68	9	0.36	60	< 0.5	0.03	< 0.5	6	199	1.76	< 10
OD 2115	205	294	0.015	< 0.2	150	30	< 2	< 1	< 10	10	40	8	0.31	50	< 0.5	0.07	< 0.5	5	149	1.49	< 10
OD 2120	205	294	0.015	< 0.2	194	24	< 2	< 1	< 10	8	56	14	0.50	50	< 0.5	0.06	< 0.5	9	188	2.24	< 10
OD 2125	205	294	0.010	< 0.2	244	30	< 2	< 1	< 10	8	66	18	0.40	40	< 0.5	0.08	< 0.5	8	147	2.42	< 10
OD 2130	205	294	0.050	< 0.2	256	36	< 2	1	< 10	8	78	17	0.35	40	< 0.5	0.03	< 0.5	6	179	1.99	< 10
OD 2135	205	294	0.010	< 0.2	154	22	< 2	1	< 10	8	76	32	0.36	40	< 0.5	0.05	< 0.5	13	89	3.32	< 10
OD 2140	205	294	< 0.005	< 0.2	104	10	< 2	1	< 10	6	84	28	1.66	50	< 0.5	0.27	< 0.5	12	136	3.67	< 10
OD 2145	205	294	< 0.005	< 0.2	98	22	< 2	< 1	< 10	10	70	23	0.90	40	< 0.5	0.11	< 0.5	12	94	3.57	< 10
OD 2150	205	294	0.015	< 0.2	226	50	< 2	1	< 10	8	68	27	0.58	40	< 0.5	0.24	< 0.5	12	117	3.29	< 10
OD 2155	205	294	< 0.005	< 0.2	64	38	< 2	1	< 10	6	78	40	0.33	50	< 0.5	0.06	< 0.5	14	52	4.32	< 10
OD 2160	205	294	0.085	< 0.2	354	28	< 2	< 1	< 10	12	92	30	0.35	50	< 0.5	0.04	< 0.5	20	95	4.08	< 10
OD 2165	205	294	0.070	< 0.2	318	10	< 2	< 1	< 10	8	36	20	0.22	30	< 0.5	0.04	< 0.5	8	98	2.22	< 10
OD 2170	205	294	< 0.005	< 0.2	48	12	< 2	< 1	< 10	6	72	29	0.41	40	< 0.5	0.15	< 0.5	14	109	3.66	< 10
OD 2175	205	294	< 0.005	< 0.2	42	10	< 2	< 1	< 10	8	60	27	0.35	40	< 0.5	0.08	< 0.5	12	88	3.24	< 10
OD 2180	205	294	0.055	< 0.2	246	18	< 2	1	< 10	8	44	20	0.43	40	< 0.5	0.03	< 0.5	10	157	2.38	< 10
OD 2185	205	294	0.085	< 0.2	158	14	< 2	< 1	< 10	6	78	25	1.07	50	< 0.5	0.08	< 0.5	12	116	3.52	< 10
OD 2190	205	294	< 0.005	< 0.2	84	6	< 2	< 1	< 10	6	70	23	1.26	40	< 0.5	0.06	< 0.5	13	137	3.39	< 10
OD 2195	205	294	< 0.005	< 0.2	62	4	< 2	< 1	< 10	8	22	6	0.27	50	< 0.5	0.02	< 0.5	4	146	1.11	< 10

CERTIFICATION: Hart Buchler

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CERTIFICATE OF ANALYSIS A9633304

SAMPLE	PREP CODE		Hg ppm	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
OD 1200A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD 1205	205	294	< 1	0.14	10	0.05	40	< 0.01	6	70	1	38	< 0.01	< 10	< 10	8
OD 1210	205	294	< 1	0.17	10	0.05	60	< 0.01	8	70	1	23	< 0.01	< 10	< 10	6
OD 1215	205	294	< 1	0.15	10	0.03	40	< 0.01	6	60	1	18	< 0.01	< 10	< 10	4
OD 1220	205	294	< 1	0.12	< 10	0.03	45	< 0.01	6	50	< 1	10	< 0.01	< 10	< 10	3
OD 1225	205	294	< 1	0.14	< 10	0.03	45	< 0.01	6	50	< 1	8	< 0.01	< 10	< 10	3
OD 2015	205	294	< 1	0.23	10	0.08	290	0.02	8	120	1	12	< 0.01	< 10	< 10	6
OD 2020	205	294	< 1	0.27	10	0.04	255	0.03	3	90	< 1	16	< 0.01	< 10	< 10	2
OD 2025	205	294	< 1	0.33	10	0.05	240	0.04	3	80	< 1	17	< 0.01	< 10	< 10	1
OD 2030	205	294	< 1	0.31	10	0.04	260	0.04	3	80	< 1	11	< 0.01	< 10	< 10	1
OD 2040	205	294	< 1	0.32	10	0.07	310	0.01	5	90	< 1	25	< 0.01	< 10	< 10	4
OD 2045	205	294	< 1	0.31	10	0.04	385	< 0.01	3	80	< 1	18	< 0.01	< 10	< 10	1
OD 2050	205	294	< 1	0.23	10	0.02	40	< 0.01	3	50	< 1	21	< 0.01	< 10	< 10	< 1
OD 2055	205	294	< 1	0.27	10	0.01	40	< 0.01	3	40	< 1	15	< 0.01	< 10	< 10	< 1
OD 2060	205	294	< 1	0.22	< 10	0.04	260	0.01	1	60	< 1	23	< 0.01	< 10	< 10	< 1
OD 2065	205	294	< 1	0.28	10	0.04	290	< 0.01	2	60	< 1	20	< 0.01	< 10	< 10	< 1
OD 2080	205	294	< 1	0.33	10	0.04	345	0.03	2	90	< 1	10	< 0.01	< 10	< 10	< 1
OD 2085	205	294	< 1	0.23	20	0.06	335	0.01	15	130	< 1	11	< 0.01	< 10	< 10	3
OD 2090	205	294	< 1	0.13	20	0.14	430	< 0.01	16	180	1	11	< 0.01	< 10	< 10	5
OD 2095	205	294	< 1	0.15	20	0.09	405	< 0.01	18	210	1	10	< 0.01	< 10	< 10	5
OD 2100A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD 2105	205	294	< 1	0.14	10	0.03	340	< 0.01	18	100	1	12	< 0.01	< 10	< 10	6
OD 2110	205	294	< 1	0.15	10	0.03	395	< 0.01	16	80	1	11	< 0.01	< 10	< 10	4
OD 2115	205	294	< 1	0.14	10	0.03	300	< 0.01	13	240	< 1	11	< 0.01	< 10	< 10	3
OD 2120	205	294	< 1	0.18	20	0.05	360	< 0.01	20	190	1	12	< 0.01	< 10	< 10	5
OD 2125	205	294	< 1	0.18	30	0.02	360	< 0.01	21	350	1	14	< 0.01	< 10	< 10	5
OD 2130	205	294	< 1	0.12	10	0.02	255	< 0.01	16	110	1	12	< 0.01	< 10	< 10	5
OD 2135	205	294	< 1	0.16	40	0.04	440	< 0.01	33	220	1	12	< 0.01	< 10	< 10	5
OD 2140	205	294	< 1	0.20	40	0.54	610	0.01	29	870	2	23	< 0.01	< 10	< 10	9
OD 2145	205	294	< 1	0.16	30	0.25	385	< 0.01	28	250	1	14	< 0.01	< 10	< 10	7
OD 2150	205	294	< 1	0.16	40	0.08	565	< 0.01	26	930	1	18	< 0.01	< 10	< 10	6
OD 2155	205	294	< 1	0.14	50	0.03	500	< 0.01	36	360	1	21	< 0.01	< 10	< 10	5
OD 2160	205	294	< 1	0.15	30	0.03	1445	< 0.01	38	240	2	33	< 0.01	< 10	< 10	7
OD 2165	205	294	< 1	0.11	20	0.01	385	< 0.01	18	170	1	14	< 0.01	< 10	< 10	3
OD 2170	205	294	< 1	0.17	40	0.04	545	< 0.01	31	260	2	16	< 0.01	< 10	< 10	6
OD 2175	205	294	< 1	0.15	40	0.04	465	< 0.01	29	340	1	10	< 0.01	< 10	< 10	4
OD 2180	205	294	< 1	0.17	30	0.04	300	0.01	21	140	1	9	< 0.01	< 10	< 10	4
OD 2185	205	294	< 1	0.18	30	0.34	325	0.01	30	290	1	12	< 0.01	< 10	< 10	8
OD 2190	205	294	< 1	0.19	30	0.44	575	0.01	31	200	1	12	< 0.01	< 10	< 10	10
OD 2195	205	294	< 1	0.16	10	0.02	125	0.01	9	80	< 1	7	< 0.01	< 10	< 10	3

CERTIFICATION: Bart Bichler

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers
994 Glendale Ave., Unit 3, Sparks
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PHONE: 702-356-5395 FAX: 702-355-0179

To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :3-A
Total Pages :4
Certificate Date: 27-SEP-96
Invoice No. :19633304
P.O. Number :
Account :DOGN

CERTIFICATE OF ANALYSIS A9633304

SAMPLE	PREP CODE		Au ppm FA+AA	Ag ppm	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Pb ppm	Zn ppm	Cu ppm	Al %	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm
OD 2200	205	294	0.030	< 0.2	180	10	< 2	< 1	< 10	6	80	20	0.39	60	< 0.5	0.07	< 0.5	9	189	2.35	< 10
OD 2200A	214	--	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD 2205	205	294	< 0.005	< 0.2	226	2	< 2	< 1	< 10	8	64	25	0.94	70	< 0.5	0.06	< 0.5	15	181	3.03	< 10
OD 2210	205	294	< 0.005	< 0.2	98	8	< 2	< 1	< 10	4	36	15	0.67	40	< 0.5	0.05	< 0.5	13	168	1.83	< 10
OD 3015	205	294	0.265	< 0.2	720	46	< 2	< 1	< 10	68	10	4	0.44	40	< 0.5	0.05	< 0.5	1	131	0.97	< 10
OD 3020	205	294	0.145	< 0.2	200	26	< 2	< 1	< 10	60	10	1	0.38	30	< 0.5	0.05	< 0.5	< 1	121	0.56	< 10
OD 3025	205	294	0.070	< 0.2	178	22	< 2	< 1	< 10	62	6	1	0.40	30	< 0.5	0.04	< 0.5	< 1	133	0.61	< 10
OD 3030	205	294	0.090	< 0.2	266	20	< 2	< 1	< 10	58	10	1	0.38	40	< 0.5	0.03	< 0.5	< 1	121	0.51	< 10
OD 3035	205	294	0.250	< 0.2	522	28	< 2	1	< 10	64	2	1	0.45	40	< 0.5	0.04	< 0.5	< 1	129	0.56	< 10
OD 3040	205	294	0.190	< 0.2	644	22	< 2	< 1	< 10	70	4	1	0.46	40	< 0.5	0.03	< 0.5	< 1	139	0.59	< 10
OD 3045	205	294	0.525	< 0.2	866	30	< 2	< 1	< 10	68	2	1	0.45	40	< 0.5	0.04	< 0.5	< 1	138	0.94	< 10
OD 3050	205	294	0.910	0.2	1660	46	< 2	< 1	< 10	46	6	4	0.49	40	< 0.5	0.04	< 0.5	< 1	117	0.84	< 10
OD 3055	205	294	0.425	< 0.2	2040	46	< 2	< 1	< 10	14	72	8	0.51	40	< 0.5	0.03	< 0.5	7	147	2.08	< 10
OD 3060	205	294	0.295	< 0.2	1170	84	< 2	< 1	< 10	16	34	11	0.52	50	< 0.5	< 0.01	< 0.5	1	128	1.96	< 10
OD 3065	205	294	0.085	< 0.2	856	40	< 2	< 1	< 10	16	48	18	0.58	40	< 0.5	< 0.01	< 0.5	4	124	2.90	< 10
OD 3070	205	294	0.285	< 0.2	1180	28	< 2	< 1	< 10	12	66	11	0.44	40	< 0.5	< 0.01	< 0.5	5	115	2.57	< 10
OD 3075	205	294	2.05	< 0.2	5520	36	< 2	< 1	< 10	12	78	9	0.56	60	< 0.5	< 0.01	< 0.5	11	108	3.24	< 10
OD 3080	205	294	2.89	0.2	6290	40	< 2	< 1	< 10	36	160	20	0.45	70	< 0.5	< 0.01	< 0.5	18	121	4.09	< 10
OD 3080A	214	--	0.140	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD 3085	205	294	1.490	< 0.2	2780	34	< 2	1	< 10	28	84	12	0.59	60	< 0.5	< 0.01	< 0.5	7	100	2.56	< 10
OD 4015	205	294	0.455	< 0.2	676	52	< 2	1	< 10	66	38	3	0.56	60	0.5	0.07	< 0.5	3	115	0.83	< 10
OD 4020	205	294	1.180	0.2	1470	118	< 2	3	< 10	80	70	2	0.47	60	< 0.5	0.06	< 0.5	< 1	111	0.89	< 10
OD 4025	205	294	1.230	0.2	1885	184	< 2	5	< 10	72	40	2	0.51	40	0.5	0.07	< 0.5	< 1	113	1.07	< 10
OD 4030	205	294	0.885	0.4	1295	106	2	31	< 10	60	26	1	0.42	30	< 0.5	0.06	< 0.5	< 1	117	0.83	< 10
OD 4035	205	294	0.695	0.2	1555	314	2	19	< 10	48	26	1	0.55	60	< 0.5	0.05	< 0.5	< 1	132	0.98	< 10
OD 4040	205	294	0.110	< 0.2	414	186	< 2	2	< 10	22	210	6	0.46	80	< 0.5	0.04	< 0.5	1	174	1.24	< 10
OD 4045	205	294	0.085	0.2	704	1705	< 2	3	< 10	32	134	13	0.53	70	0.5	0.05	< 0.5	4	228	1.99	< 10
OD 4050	205	294	0.100	0.2	410	144	< 2	2	< 10	16	130	8	0.42	60	< 0.5	0.04	< 0.5	2	187	1.60	< 10
OD 4055	205	294	0.020	< 0.2	234	74	< 2	1	< 10	12	82	16	0.48	50	< 0.5	0.04	< 0.5	3	178	2.42	< 10
OD 4060	205	294	0.110	< 0.2	158	282	< 2	1	< 10	12	114	28	0.39	30	< 0.5	0.02	< 0.5	4	153	2.46	< 10
OD 4065	205	294	< 0.005	< 0.2	58	72	< 2	< 1	< 10	10	96	27	0.47	50	0.5	0.03	< 0.5	10	197	2.90	< 10
OD 4070	205	294	0.215	< 0.2	148	26	< 2	< 1	< 10	10	92	23	0.37	40	< 0.5	0.07	< 0.5	15	146	2.91	< 10
OD 4075	205	294	< 0.005	< 0.2	12	16	< 2	< 1	< 10	10	76	38	0.42	40	< 0.5	0.09	< 0.5	20	106	3.62	< 10
OD 4080	205	294	< 0.005	< 0.2	14	22	< 2	< 1	< 10	8	148	35	0.44	40	< 0.5	0.24	< 0.5	18	109	4.47	< 10
OD 4080A	214	--	0.320	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD 4085	205	294	< 0.005	< 0.2	18	16	< 2	< 1	< 10	8	74	22	0.40	40	< 0.5	0.33	< 0.5	14	134	3.28	< 10
OD 4090	205	294	0.020	< 0.2	16	22	< 2	< 1	< 10	10	118	35	0.38	40	< 0.5	0.31	< 0.5	14	108	3.13	< 10
OD 4095	205	294	< 0.005	< 0.2	30	16	2	< 1	< 10	8	62	15	0.35	30	< 0.5	0.18	< 0.5	9	146	2.40	< 10
OD 5015	205	294	0.070	< 0.2	158	48	< 2	< 1	< 10	54	36	7	0.65	70	< 0.5	0.09	< 0.5	4	103	1.16	< 10
OD 5020	205	294	0.055	< 0.2	108	46	< 2	< 1	< 10	64	30	4	0.65	60	0.5	0.18	< 0.5	2	113	0.96	< 10

CERTIFICATION: Hart Buchler

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers
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To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Report Number :3-B
Total Pages :4
Certificate Date: 27-SEP-96
Invoice No. :19633304
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CERTIFICATE OF ANALYSIS A9633304

SAMPLE	PREP CODE		Hg ppm	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
OD 2200	205	294	< 1	0.18	30	0.05	280	0.01	21	300	1	11	< 0.01	< 10	< 10	5
OD 2200A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD 2205	205	294	< 1	0.19	30	0.31	600	0.01	30	190	1	12	< 0.01	< 10	< 10	8
OD 2210	205	294	< 1	0.16	30	0.24	320	0.01	24	210	< 1	8	< 0.01	< 10	< 10	6
OD 3015	205	294	< 1	0.24	< 10	0.04	35	< 0.01	4	70	< 1	11	< 0.01	< 10	< 10	3
OD 3020	205	294	< 1	0.24	< 10	0.01	15	< 0.01	3	50	< 1	11	< 0.01	< 10	< 10	< 1
OD 3025	205	294	< 1	0.27	< 10	0.01	10	< 0.01	3	50	< 1	10	< 0.01	< 10	< 10	< 1
OD 3030	205	294	< 1	0.28	< 10	0.01	10	< 0.01	2	40	< 1	7	< 0.01	< 10	< 10	< 1
OD 3035	205	294	< 1	0.27	< 10	0.01	10	< 0.01	2	50	< 1	9	< 0.01	< 10	< 10	< 1
OD 3040	205	294	< 1	0.28	< 10	0.01	10	< 0.01	2	40	< 1	6	< 0.01	< 10	< 10	< 1
OD 3045	205	294	1	0.28	< 10	0.01	10	< 0.01	2	60	< 1	9	< 0.01	< 10	< 10	< 1
OD 3050	205	294	< 1	0.24	< 10	0.03	5	< 0.01	2	130	2	23	< 0.01	< 10	< 10	3
OD 3055	205	294	< 1	0.16	20	0.02	150	< 0.01	16	170	3	26	< 0.01	< 10	< 10	6
OD 3060	205	294	< 1	0.18	20	0.01	30	0.01	4	150	3	34	< 0.01	< 10	< 10	8
OD 3065	205	294	< 1	0.16	10	0.01	60	0.01	5	140	3	28	< 0.01	< 10	< 10	12
OD 3070	205	294	< 1	0.15	10	0.01	80	< 0.01	7	80	3	23	< 0.01	< 10	< 10	7
OD 3075	205	294	< 1	0.23	30	0.01	235	< 0.01	19	150	4	53	< 0.01	< 10	< 10	6
OD 3080	205	294	< 1	0.24	40	0.01	240	< 0.01	29	190	4	58	< 0.01	< 10	< 10	5
OD 3080A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD 3085	205	294	< 1	0.22	20	0.01	85	< 0.01	11	110	4	49	< 0.01	< 10	< 10	8
OD 4015	205	294	< 1	0.24	10	0.03	355	< 0.01	6	50	< 1	12	< 0.01	< 10	< 10	2
OD 4020	205	294	< 1	0.24	< 10	0.01	40	< 0.01	3	80	< 1	23	< 0.01	< 10	< 10	< 1
OD 4025	205	294	< 1	0.25	< 10	0.01	45	< 0.01	2	100	< 1	29	< 0.01	< 10	< 10	< 1
OD 4030	205	294	< 1	0.24	< 10	0.01	10	< 0.01	1	40	< 1	13	< 0.01	< 10	< 10	< 1
OD 4035	205	294	< 1	0.32	< 10	0.01	25	< 0.01	2	50	< 1	18	< 0.01	< 10	< 10	< 1
OD 4040	205	294	< 1	0.26	20	0.01	35	< 0.01	3	140	< 1	22	< 0.01	< 10	< 10	3
OD 4045	205	294	1	0.22	20	0.02	75	< 0.01	9	250	2	22	< 0.01	< 10	10	6
OD 4050	205	294	< 1	0.19	10	0.02	30	< 0.01	5	190	1	24	< 0.01	< 10	< 10	5
OD 4055	205	294	1	0.22	40	0.01	35	0.01	6	320	1	19	< 0.01	< 10	< 10	6
OD 4060	205	294	< 1	0.14	10	0.01	45	< 0.01	11	160	1	13	< 0.01	< 10	< 10	7
OD 4065	205	294	1	0.18	30	0.04	250	0.01	23	310	2	12	< 0.01	< 10	< 10	6
OD 4070	205	294	< 1	0.16	20	0.27	610	0.01	28	270	1	12	< 0.01	< 10	< 10	5
OD 4075	205	294	< 1	0.19	20	0.51	515	0.01	40	330	1	13	< 0.01	< 10	< 10	5
OD 4080	205	294	< 1	0.20	20	0.82	915	0.01	37	750	2	24	< 0.01	< 10	< 10	7
OD 4080A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD 4085	205	294	1	0.17	10	0.58	805	0.01	27	440	2	31	< 0.01	< 10	< 10	7
OD 4090	205	294	< 1	0.19	20	0.52	565	0.01	33	190	1	24	< 0.01	< 10	< 10	5
OD 4095	205	294	< 1	0.14	10	0.30	635	0.01	20	220	1	16	< 0.01	< 10	< 10	5
OD 5015	205	294	< 1	0.23	10	0.09	235	0.01	8	120	1	11	< 0.01	< 10	< 10	8
OD 5020	205	294	1	0.29	10	0.06	255	0.03	5	90	< 1	14	< 0.01	< 10	< 10	4

CERTIFICATION: Kurt Bichler

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers
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SAMPLE	PREP CODE		Au ppm FA+AA	Ag ppm	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Pb ppm	Zn ppm	Cu ppm	Al %	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm
OD 5025	205	294	0.035	< 0.2	90	36	< 2	< 1	< 10	60	24	3	0.62	50	< 0.5	0.20	< 0.5	1	112	0.84	< 10
OD 5030	205	294	0.055	< 0.2	102	36	< 2	1	< 10	64	34	4	0.67	50	< 0.5	0.35	< 0.5	2	137	0.92	< 10
OD 5035	205	294	0.050	< 0.2	124	44	< 2	< 1	< 10	72	22	1	0.73	50	0.5	0.25	< 0.5	1	106	0.63	< 10
OD 5040	205	294	0.065	< 0.2	184	48	< 2	< 1	< 10	84	28	2	0.80	60	0.5	0.25	< 0.5	1	113	0.77	< 10
OD 5050	205	294	0.265	< 0.2	142	28	< 2	1	< 10	52	352	8	0.50	30	< 0.5	0.07	< 0.5	< 1	93	0.59	< 10
OD 5055	205	294	0.110	< 0.2	156	38	< 2	< 1	< 10	68	72	1	0.65	40	0.5	0.08	< 0.5	< 1	142	0.68	< 10
OD 5060	205	294	0.110	< 0.2	176	44	< 2	< 1	< 10	68	48	1	0.59	40	0.5	0.08	< 0.5	< 1	109	0.69	< 10
OD 5070	205	294	0.085	< 0.2	108	42	2	1	< 10	84	268	21	0.56	30	< 0.5	0.09	< 0.5	< 1	99	0.59	< 10

CERTIFICATION: Stuart Buchler

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ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :4-B
Total Pages :4
Certificate Date: 27-SEP-9
Invoice No. :19633304
P.O. Number :
Account :DOGN

CERTIFICATE OF ANALYSIS A9633304

SAMPLE	PREP CODE		Hg ppm	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
OD 5025	205	294	2	0.30	10	0.05	215	0.03	4	80	< 1	14	< 0.01	< 10	< 10	3
OD 5030	205	294	< 1	0.29	10	0.06	230	0.03	6	90	< 1	20	< 0.01	< 10	< 10	5
OD 5035	205	294	< 1	0.32	10	0.03	390	0.01	3	70	< 1	15	< 0.01	< 10	< 10	1
OD 5040	205	294	1	0.35	10	0.04	480	0.01	3	80	< 1	15	< 0.01	< 10	< 10	1
OD 5050	205	294	< 1	0.29	10	0.02	50	< 0.01	3	50	< 1	8	< 0.01	< 10	< 10	< 1
OD 5055	205	294	< 1	0.33	10	0.02	310	< 0.01	3	50	< 1	8	< 0.01	< 10	< 10	< 1
OD 5060	205	294	< 1	0.29	10	0.02	410	< 0.01	3	60	< 1	8	< 0.01	< 10	< 10	< 1
OD 5070	205	294	< 1	0.29	< 10	0.03	120	< 0.01	2	50	< 1	9	< 0.01	< 10	< 10	< 1

CERTIFICATION: Ian A Bichler

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers
994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :1-A
Total Pages :3
Certificate Date: 26-JUL-97
Invoice No. :19732365
P.O. Number :00193
Account :DOGN

CERTIFICATE OF ANALYSIS A9732365

SAMPLE	PREP CODE		Au ppm FA+AA	Ag ppm	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Pb ppm	Zn ppm	Cu ppm	Al %	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm
OD6-01	205	276	0.060	< 0.2	218	14	< 2	1	< 10	18	186	18	1.14	110	< 0.5	0.13	< 0.5	9	146	2.71	< 10
OD6-02	205	276	0.030	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-03	205	276	0.030	< 0.2	168	32	< 2	< 1	< 10	20	82	24	1.70	150	< 0.5	0.22	< 0.5	10	116	3.05	< 10
OD6-04	205	276	0.060	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-05	205	276	0.060	< 0.2	316	30	< 2	< 1	< 10	28	114	17	1.14	110	< 0.5	0.12	< 0.5	9	88	2.39	< 10
OD6-06	205	276	0.040	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-07	205	276	0.060	< 0.2	340	24	< 2	< 1	< 10	22	82	19	1.12	110	< 0.5	0.16	< 0.5	9	78	2.62	< 10
OD6-08	205	276	0.070	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-09	205	276	0.025	< 0.2	296	22	< 2	1	< 10	18	186	22	1.24	150	< 0.5	0.18	< 0.5	11	98	2.92	< 10
OD6-10	205	276	0.030	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-11	205	276	0.055	< 0.2	440	26	< 2	1	< 10	16	72	22	1.20	110	< 0.5	0.12	< 0.5	10	147	3.06	< 10
OD6-12	205	276	0.110	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-13	205	276	0.130	< 0.2	1020	28	< 2	1	< 10	72	88	20	1.05	130	< 0.5	0.13	< 0.5	9	146	2.72	< 10
OD6-14	205	276	0.045	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-15	205	276	0.060	< 0.2	458	40	< 2	1	< 10	14	66	23	0.99	100	< 0.5	0.09	< 0.5	10	96	3.03	< 10
OD6-16	205	276	0.055	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-17	205	276	0.085	< 0.2	494	28	< 2	1	< 10	20	90	24	1.01	100	0.5	0.07	< 0.5	11	133	3.24	< 10
OD6-18	205	276	0.060	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-19	205	276	0.040	< 0.2	332	28	< 2	< 1	< 10	12	72	25	0.91	100	< 0.5	0.07	< 0.5	11	146	3.24	< 10
OD6-20	205	276	0.075	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-20A	214	--	0.235	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-21	205	276	0.900	< 0.2	164	6	< 2	< 1	< 10	12	80	12	1.27	120	< 0.5	0.06	< 0.5	7	137	2.05	< 10
OD6-22	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-23	205	276	0.010	< 0.2	108	6	< 2	< 1	< 10	10	126	35	2.22	150	0.5	0.11	< 0.5	15	69	3.99	< 10
OD6-24	205	276	0.020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-25	205	276	0.110	< 0.2	868	20	< 2	1	< 10	14	178	67	0.45	130	0.5	0.04	< 0.5	16	55	4.27	< 10
OD6-26	205	276	0.020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-27	205	276	0.040	< 0.2	402	16	< 2	< 1	< 10	10	88	33	2.01	40	< 0.5	0.17	< 0.5	12	52	3.89	< 10
OD6-28	205	276	0.135	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-29	205	276	0.010	< 0.2	266	6	< 2	1	< 10	12	66	18	1.09	40	< 0.5	0.10	< 0.5	10	110	2.17	< 10
OD6-30	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-31	205	276	< 0.005	< 0.2	270	10	< 2	< 1	< 10	12	48	14	1.02	40	< 0.5	0.11	< 0.5	11	108	1.96	< 10
OD6-32	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-33	205	276	< 0.005	< 0.2	64	10	< 2	1	< 10	10	52	14	1.13	40	< 0.5	0.15	< 0.5	7	150	2.03	< 10
OD6-34	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-35	205	276	< 0.005	< 0.2	382	6	< 2	< 1	< 10	10	42	14	1.06	40	< 0.5	0.13	< 0.5	8	107	2.10	< 10
OD6-36	205	276	0.035	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-37	205	276	< 0.005	< 0.2	426	18	< 2	1	< 10	10	152	21	1.13	40	< 0.5	0.21	< 0.5	12	83	3.02	< 10
OD6-38	205	276	0.100	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-39	205	276	< 0.005	< 0.2	228	14	< 2	1	< 10	14	32	9	0.60	60	< 0.5	0.07	< 0.5	5	119	1.48	< 10

CERTIFICATION: Stuart Bichler

OD-6

LOGGED BY: DUNCAN
DATE 7/14/97
ALL PREFIX OD6-

SUMMARY: 5-47' QMS cut by several thin (<10') fg felsic intrusive dikes? Broken zone with limonitic fractures from 0-75'. 47-317' QMS, limonitic, 185-200' 5 clay gouge zones (faults?), rare Qvnlts. 317-374' fg felsic intrusive, several thin gouge zones, argillic/sericitic alteration (weathering?), trace pyrite. 374-410' dark grey QMS, trace pyrite.

PROJECT OLD DOG 3E × 20N
HOLE NO. OD-6 DRILL TYPE RC
E. COORD. 462804.19 N. COORD 7209870.19
ELEV. 1240' TOTAL DEPTH 410'
BEARING — INCLINATION -90°
PAGE 1 OF 6

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo
01	0.06	<	218	14	<	1
02	0.03					
03	0.03	<	168	32	<	<
04	0.06					
05	0.06	<	316	30	<	<
06	0.04					
07	0.06	<	340	24	<	<
08	0.07					
09	0.03	<	296	22	<	1
10	0.03					
11	0.06	<	440	26	<	1
12	0.11					
13	0.13	<	1020	28	<	1

DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION: PERV. SIL.	VNLT. SIL.	Blch	OXIDES: HEM	LIM	GOE	SULFIDES: PY	ASPY	COMMENTS
0												QMS = QUARTZ MUSCOVITE SCH INCLUDES QUARTZITE
												FEL = FELSITE
5	OB											OVERBURDEN
10	QMS/FEL											QMS 1 PIECE FEL? QMS-WK/BLCH, LIM BLEBS
15	QMS/FEL											QMS LESSER FEL? 25→30 LBS
20	QMS/FEL											QMS W/ FEL 30% FT WEAKLY ALTERED - SEE GM
25	QMS											QMS - SEVERAL PIECES FEL QMS W/TOUZ
30	QMS											ONE 1mm QVN IN QMS SEVERAL FR - DIFFICULT DRILL SPOTTY RETURN
35	QMS	ZONE										
40	QMS/FEL	BROKEN										QMS (TOUZ) FEL - 10%
45	QMS/FEL											MILKY QVN ~4% FEL-SERICITIC W/ WHITE FELDSP
50	FEL/QMS											LOTS OF LIM BLEBS AFTER 47? PROBABLY MIXED QMS/FEL SOME CO
55	QMS											MASSIVE LIM ON FRACS MINOR FEL
60	QMS											BROWN LIM ON ALL SIDES CHIPS
65	QMS											
70	QMS											BLCH MAY BE DECREASING
75	QMS										?	

OD-6

LOGGED BY: DUNCAN
DATE: 7/14/97
PREFIX: OD6-

SUMMARY:

PROJECT: OLD DOG
HOLE NO.: OD-6 DRILL TYPE: RC
E. COORD.: N. COORD:
ELEV.: TOTAL DEPTH: 410'
BEARING: INCLINATION: -90
PAGE: 2 OF 6

SAMPLE NUMBER	ANALYTICAL RESULTS						DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION							OXIDES			SULFIDES				COMMENTS
	Au	Ag	As	Sb	Bi	Mo					PERV. SIL	VNLT. SIL		BLCH				HEM	LIM	GOE	PY	ASPY			
14	0.05						75	Qms																	LOTS MILKY QTZ
15	0.06	<	458	40	<	1	80	Qms																	SEEM TO BE OUT OF BROKEN ZONE DRILLS MUCH DRIER
16	0.06						85	Qms																	LOTS MILKY QTZ SOME CLEAR QTZ
17	0.09	<	494	28	<	1	90	Qms																	
18	0.06						95	Qms																	LIM DECREASING SPOTTY BLCH
19	0.04	<	332	28	<	<	100	Qms																	
20	0.08						105	Qms																	ONE QTZ-FELD VN
21	0.90	<	164	6	<	<	110	Qms																	
22	<						115	Qms																	ROCK LOOKS FRESHER
23	0.01	<	108	6	<	<	120	Qms																	
24	0.02						125	Qms																	
25	0.11	<	868	20	<	1	130	Qms	Fault																LIM STAINED ZONE 133-135 SOME CLAY GGE
26	0.02						135	Qms	Fault																MINOR CLAY GGE
27	0.04	<	402	16	<	<	140	Qms																	
28	0.14						145	Qms	Fault																SOME QLT
							150																		

OD-6

LOGGED BY: DUNCAN
DATE: 7/14/97
SUMMARY:
PROJECT: OLD DOG
HOLE NO.: OD-6
E. COORD.:
ELEV.:
BEARING:
DRILL TYPE: RC
N. COORD:
TOTAL DEPTH: 410'
INCLINATION: -90
PAGE: 3 OF 6

Arc Data Report 96 Prefix OD6 -

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ac	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION PERV SIL	VNLT SIL		BSCH				OXIDES HEM	LIM	GOE	SULFIDES PY	ASY			COMMENTS
29	0.01	<	266	6	<	1	150																		
30	<						155	QMS																	SOME LIM BLEBS ON FRACS
31	<	<	270	10	<	<	160	QMS																	
32	<						165	QMS																	
33	<	<	64	10	<	1	170	QMS	Fault																MINOR CLAY GGE 167 - 170
34	<						175	QMS	Fault																MINOR CLAY GGE
35	<	<	382	6	<	<	180	QMS																	
36	0.04						185	QMS	Fault																CLAY GGE
37	<	<	426	18	<	1	190	QMS																	
38	0.10						195	QMS	Fault																LOTS OF CLAY GGE SOME MILKY QVN
39	<	<	228	14	<	1	200	QMS	Fault																LOTS CLAY GGE - MILKY QVN
40	<						205	QMS																	SOME ARKOSIC QZT
41	<	<	518	38	<	1	210	QMS																	
42	<						215	QMS																	SOME CLAY GGE
43	<	<	114	2	<	<	220	QMS																	
							225	QMS																	

OD-6

LOGGED BY: Duncan / D. Butherus
DATE: 15 Jul 97
Prefix ODG -

SUMMARY:

PROJECT: Old Dog
HOLE NO.: OD-6
DRILL TYPE: RC
E. COORD.:
N. COORD:
ELEV.:
TOTAL DEPTH: 410'
BEARING:
INCLINATION: -90
PAGE 4 **OF** 6

14 Jul / OLP 15 Jul

Sample Number	Au	Ag	As	Sb	Bi	Mo	Depth	Rock Type	Alt.	Comments
							225			
44	<						230	Qms		Metatuff - Feldspar
45	<	<	184	2	<	<	235	Qms		
46	<						240	Qms		Lim @ End
47	<	<	118	54	<	<	245	Qms		
48	0.17						250	Qms		
49	0.05	<	172	316	<	1	255	QMS		Water in hole - possible cavity in cyclone
50	0.01						260	QMS		Lim on frac
51	<	<	26	26	<	1	265	QMS		
52	<						270	QMS	QVN	Lim on frac Hairline Q vnlts, rare Abund milky Q, bottom of run
53	0.31	0.6	8140	44	<	1	275	QMS		Abund milky Q top of run, some vein? Lim on few frac
54	0.02						280	QMS		Lim on few frac
55	<	<	90	112	<	<	285	QMS	Fault	Mud turned red at middle of run, hematite stain (fault?) Lim at bottom
56	<						290	QMS		Lim decreasing
57	<	<	48	40	<	1	295	QMS		Dark grey, micaceous. Hem specks
58	<						300	QMS		Dark grey, micaceous. Hem specks

Alteration columns: Perv. Sil, Vnlt. Sil, Blch; Oxides: Hem, Lim, Goe; Sulfides: Py, Aspy

OD-6

LOGGED BY: D. Butkerus

DATE 15 Jul 97

PREFIX OD6 –

SUMMARY:

PROJECT Old Dog

HOLE NO. OD-6 DRILL TYPE RC

E. COORD. N. COORD

ELEV. TOTAL DEPTH 410'

BEARING INCLINATION -90

PAGE 5 OF 6

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo
59	<	<	34	20	<	<
60	<					
61	<	<	94	22	<	<
62	<					
63	<	<	58	10	<	<
64	<					
65	0.01	<	56	40	<	<
66	0.05					
67	0.03	<	54	10	<	<
68	0.04					
69	0.02	<	28	8	<	<
70	0.03					
71	0.07	<	164	20	<	<
72	0.11					
73	0.03	<	26	8	<	<

DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION: PERV SIL	VNLT SIL	Arg	Bkn	Ser			OXIDES: HEM	JAR LIM	GOE	SULFIDES: PY	ASPY		COMMENTS
300	QMS	QVN															Qvnlts, rare, to 1mm
305	QMS																Dark grey toward bottom
310	QMS	QVN															Small fault with H20 Dark grey, micaceous Fairly abund milky Q
315	QMS																Abund milky Q ± F?
320	QMS/FEL	contact															some clay 30% FEL? at bottom
325	FEL?	Fault					?										Fault gouge, fg FEL? strong arg/ser alt
330	FEL						?										fg disscm py, tr blk sulfide? mod to str arg/ser lower part propylitically alt (or phy
335	FEL	Fault					?										Mod to str arg/ser alt. Fault gouge? fg py, tr blk sulfide?
340	FEL						?										fg diss py. mod to str arg/ser alt
345	FEL						?										v. str arg/ser alt. top part tr py less alt toward bottom, fg py
350	FEL						?										str to mod arg/ser alt fg py less alt toward bottom
355	FEL	Fault					?										v. str arg/ser alt fault gouge? vfg py mod arg/ser toward bottom
360	FEL																mod arg/ser v str arg/ser toward bottom. vfg py fault gouge?
365	FEL	Fault															v str arg/ser blue-grey vfg py wk to mod arg toward bottom. fg py
370	FEL																wk to mod arg/ser alt. fg py
375	FEL/QMS	contact															wk arg/ser alt at top. fg py v str arg/ser alt above contact (fau dk grey w/ vfg py

dk gry QMS

OD-6

LOGGED BY: D. Buttenus

DATE 15 Jul 97

PREFIX OD6-

SUMMARY:

PROJECT OLD DOG

HOLE NO. OD-6 DRILL TYPE RC

E. COORD. N. COORD

ELEV. TOTAL DEPTH 410'

BEARING INCLINATION -90

PAGE 6 OF 6

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION PERV. SIL	VNLT. SIL	Arg	Bleach	Ser			OXIDES HEM	LIM	GOE	SULFIDES PY	Aspy		COMMENTS
OD6							375																	
74	<						380	QMS																dk grey QMS. tr fg PY
75	<	<	10	74	<	<	385	QMS																dk grey QMS
76	<						390	QMS																dk grey QMS Q-F valet, ½ inch (one chip)
77	<	<	12	30	<	1	395	QMS																dk grey QMS
78	<						400	QMS																dk grey QMS tr py
79	<	<	2	10	<	<	405	QMS																dk grey QMS tr py
80	<						410	QMS																dk grey QMS tr py, thin lenses
EOH	410'																							

11:15

J L DARLINGTON

Chemex Labs, Inc.

*Analytical Chemists * Geochemists * Registered Assayers*

994 Glendale Ave., Unit 3, Sparks
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PHONE: 702-356-5395 FAX: 702-355-0179

To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :1-B
Total Pages :3
Certificate Date: 26-JUL-97
Invoice No. :I9732365
P.O. Number :00193
Account :DOGN

CERTIFICATE OF ANALYSIS A9732365

SAMPLE	PREP CODE	Hg ppm	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
OD6-01	205 276	< 1	0.17	20	0.23	230	0.01	20	250	3	15	0.01	< 10	< 10	23
OD6-02	205 276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-03	205 276	< 1	0.20	20	0.33	475	0.01	25	310	4	23	0.04	< 10	< 10	36
OD6-04	205 276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-05	205 276	< 1	0.19	20	0.18	465	0.01	18	220	3	16	0.01	< 10	< 10	21
OD6-06	205 276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-07	205 276	< 1	0.16	20	0.22	330	0.01	21	300	3	18	0.02	< 10	< 10	24
OD6-08	205 276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-09	205 276	< 1	0.16	10	0.25	490	0.01	22	300	3	20	0.03	< 10	< 10	30
OD6-10	205 276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-11	205 276	< 1	0.19	30	0.18	285	0.01	23	260	3	18	0.01	< 10	< 10	18
OD6-12	205 276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-13	205 276	< 1	0.18	20	0.18	385	0.01	23	240	3	18	0.01	< 10	< 10	21
OD6-14	205 276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-15	205 276	< 1	0.16	30	0.15	385	0.01	24	220	3	16	0.01	< 10	< 10	17
OD6-16	205 276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-17	205 276	< 1	0.18	30	0.12	405	0.01	33	220	2	15	< 0.01	< 10	< 10	12
OD6-18	205 276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-19	205 276	< 1	0.17	30	0.13	435	0.01	28	240	2	14	< 0.01	< 10	< 10	12
OD6-20	205 276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-20A	214 --	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-21	205 276	< 1	0.14	20	0.27	590	0.01	31	110	2	15	< 0.01	< 10	< 10	8
OD6-22	205 276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-23	205 276	< 1	0.16	40	0.70	530	0.01	52	190	2	19	< 0.01	< 10	< 10	12
OD6-24	205 276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-25	205 276	< 1	0.17	40	0.03	825	0.01	47	200	2	10	< 0.01	< 10	< 10	6
OD6-26	205 276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-27	205 276	< 1	0.11	40	0.78	330	< 0.01	29	320	1	21	< 0.01	< 10	< 10	11
OD6-28	205 276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-29	205 276	< 1	0.14	30	0.24	170	< 0.01	36	170	1	14	< 0.01	< 10	< 10	5
OD6-30	205 276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-31	205 276	< 1	0.13	40	0.29	825	< 0.01	37	230	< 1	15	< 0.01	< 10	< 10	5
OD6-32	205 276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-33	205 276	< 1	0.16	20	0.32	510	< 0.01	18	350	< 1	18	< 0.01	< 10	< 10	6
OD6-34	205 276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-35	205 276	< 1	0.14	20	0.30	445	< 0.01	19	140	< 1	18	< 0.01	< 10	< 10	5
OD6-36	205 276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-37	205 276	< 1	0.13	30	0.35	775	< 0.01	28	560	1	20	< 0.01	< 10	< 10	9
OD6-38	205 276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-39	205 276	< 1	0.24	20	0.08	265	< 0.01	11	190	1	10	< 0.01	< 10	< 10	6

CERTIFICATION: Hart Bichler

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers
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1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :2-A
Total Pages :3
Certificate Date: 26-JUL-97
Invoice No. :I9732365
P.O. Number :00193
Account :DOGN

CERTIFICATE OF ANALYSIS A9732365

SAMPLE	PREP CODE		Au ppm FA+AA	Ag ppm	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Pb ppm	Zn ppm	Cu ppm	Al %	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm
OD6-40	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-40A	214	--	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-41	205	276	< 0.005	< 0.2	518	38	< 2	1	< 10	14	74	16	0.63	70	< 0.5	0.17	< 0.5	8	97	2.04	< 10
OD6-42	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-43	205	276	< 0.005	< 0.2	114	2	< 2	< 1	< 10	6	24	7	0.69	60	< 0.5	0.47	< 0.5	3	142	1.09	< 10
OD6-44	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-45	205	276	< 0.005	< 0.2	184	2	< 2	< 1	< 10	14	90	10	1.10	80	< 0.5	1.17	< 0.5	9	85	2.26	< 10
OD6-46	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-47	205	276	< 0.005	< 0.2	118	54	< 2	< 1	< 10	8	30	8	0.36	50	< 0.5	0.05	< 0.5	4	142	1.37	< 10
OD6-48	205	276	0.165	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-49	205	276	0.045	< 0.2	172	316	< 2	1	< 10	12	132	42	0.54	40	< 0.5	0.50	< 0.5	13	86	3.55	< 10
OD6-50	205	276	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-51	205	276	< 0.005	< 0.2	26	26	< 2	1	< 10	12	50	15	0.44	40	< 0.5	0.61	< 0.5	7	83	2.01	< 10
OD6-52	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-53	205	276	0.310	0.6	8140	44	< 2	1	< 10	114	62	15	0.32	40	< 0.5	0.23	< 0.5	7	63	2.40	< 10
OD6-54	205	276	0.015	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-55	205	276	< 0.005	< 0.2	90	112	< 2	< 1	< 10	10	98	43	0.78	40	< 0.5	0.29	< 0.5	17	56	4.70	< 10
OD6-56	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-57	205	276	< 0.005	< 0.2	48	40	< 2	1	< 10	4	118	40	2.46	30	< 0.5	0.16	< 0.5	19	49	4.95	< 10
OD6-58	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-59	205	276	< 0.005	< 0.2	34	20	< 2	< 1	< 10	8	46	19	0.66	30	< 0.5	0.37	< 0.5	7	76	2.28	< 10
OD6-60	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-60A	214	--	0.470	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-61	205	276	< 0.005	< 0.2	94	22	< 2	< 1	< 10	10	88	30	0.86	40	< 0.5	0.27	< 0.5	11	93	2.85	< 10
OD6-62	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-63	205	276	< 0.005	< 0.2	58	10	< 2	< 1	< 10	64	26	4	0.77	30	< 0.5	2.04	< 0.5	1	42	0.95	< 10
OD6-64	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-65	205	276	0.010	< 0.2	56	40	< 2	< 1	< 10	68	50	6	0.84	30	< 0.5	1.59	< 0.5	2	97	1.04	< 10
OD6-66	205	276	0.050	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-67	205	276	0.025	< 0.2	54	10	< 2	< 1	< 10	50	24	3	0.93	20	0.5	1.98	< 0.5	< 1	58	0.64	< 10
OD6-68	205	276	0.035	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-69	205	276	0.015	< 0.2	28	8	< 2	< 1	< 10	64	26	2	0.71	30	< 0.5	0.91	< 0.5	< 1	49	0.52	< 10
OD6-70	205	276	0.030	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-71	205	276	0.065	< 0.2	164	20	< 2	< 1	< 10	54	54	5	0.86	20	0.5	0.52	< 0.5	1	38	0.80	< 10
OD6-72	205	276	0.110	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-73	205	276	0.025	< 0.2	26	8	< 2	< 1	< 10	54	70	9	0.84	30	< 0.5	0.55	< 0.5	3	48	1.10	< 10
OD6-74	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-75	205	276	< 0.005	< 0.2	10	74	< 2	< 1	< 10	10	78	24	1.66	40	< 0.5	0.11	< 0.5	12	110	3.18	< 10
OD6-76	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-77	205	276	< 0.005	< 0.2	12	30	< 2	1	< 10	12	116	33	1.37	40	< 0.5	0.22	< 0.5	14	96	3.61	< 10

CERTIFICATION: Stuart Bichler

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Analytical Chemists * Geochemists * Registered Assayers

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ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :2-B
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Invoice No. :19732365
P.O. Number :00193
Account :DOGN

CERTIFICATE OF ANALYSIS A9732365

SAMPLE	PREP CODE		Hg ppm	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
OD6-40	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-40A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-41	205	276	< 1	0.24	30	0.10	545	< 0.01	19	480	1	18	< 0.01	< 10	< 10	8
OD6-42	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-43	205	276	< 1	0.27	10	0.14	315	< 0.01	8	90	< 1	24	0.01	< 10	< 10	5
OD6-44	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-45	205	276	< 1	0.53	30	0.35	490	< 0.01	18	410	1	30	0.06	< 10	< 10	11
OD6-46	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-47	205	276	< 1	0.15	10	0.03	295	< 0.01	10	100	1	9	< 0.01	< 10	< 10	4
OD6-48	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-49	205	276	< 1	0.17	40	0.22	545	< 0.01	31	280	1	39	< 0.01	< 10	< 10	7
OD6-50	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-51	205	276	< 1	0.15	10	0.14	355	< 0.01	17	180	1	20	< 0.01	< 10	< 10	4
OD6-52	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-53	205	276	< 1	0.14	10	0.06	290	< 0.01	17	60	< 1	44	< 0.01	< 10	< 10	3
OD6-54	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-55	205	276	< 1	0.15	40	0.50	950	0.03	46	610	2	25	< 0.01	< 10	< 10	8
OD6-56	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-57	205	276	< 1	0.13	60	0.95	675	0.03	49	610	2	16	< 0.01	< 10	< 10	14
OD6-58	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-59	205	276	< 1	0.13	20	0.36	410	0.01	18	230	1	19	< 0.01	< 10	< 10	5
OD6-60	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-60A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-61	205	276	< 1	0.17	20	0.47	390	0.01	25	200	1	19	< 0.01	< 10	< 10	7
OD6-62	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-63	205	276	< 1	0.26	10	0.18	390	< 0.01	4	70	< 1	100	< 0.01	< 10	< 10	< 1
OD6-64	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-65	205	276	< 1	0.29	10	0.20	330	0.02	8	100	< 1	123	< 0.01	< 10	< 10	1
OD6-66	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-67	205	276	< 1	0.27	< 10	0.26	365	< 0.01	4	50	< 1	93	< 0.01	< 10	< 10	< 1
OD6-68	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-69	205	276	< 1	0.30	< 10	0.10	170	< 0.01	2	50	< 1	43	< 0.01	< 10	< 10	< 1
OD6-70	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-71	205	276	< 1	0.23	< 10	0.23	125	< 0.01	4	60	< 1	30	< 0.01	< 10	30	< 1
OD6-72	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-73	205	276	< 1	0.21	10	0.26	230	< 0.01	9	100	< 1	28	< 0.01	< 10	< 10	1
OD6-74	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-75	205	276	< 1	0.15	20	0.71	405	< 0.01	26	230	1	10	< 0.01	< 10	< 10	8
OD6-76	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-77	205	276	< 1	0.17	10	0.66	365	0.01	33	180	1	15	< 0.01	< 10	< 10	7

CERTIFICATION: Stan Bickler

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SAMPLE	PREP CODE		Au ppm FA+AA	Ag ppm	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Pb ppm	Zn ppm	Cu ppm	Al %	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm
OD6-78	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-79	205	276	< 0.005	< 0.2	2	10	< 2	< 1	< 10	10	62	21	0.73	40	< 0.5	0.19	< 0.5	9	71	2.46	< 10
OD6-80	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-80A	214	--	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: Hart Bichler

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SAMPLE	PREP CODE		Hg ppm	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
OD6-78	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-79	205	276	< 1	0.15	10	0.41	365	< 0.01	21	110	< 1	13	< 0.01	< 10	< 10	4
OD6-80	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD6-80A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

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CERTIFICATE OF ANALYSIS A9732702

SAMPLE	PREP CODE		Au ppm FA+AA	Ag ppm	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Pb ppm	Zn ppm	Cu ppm	Al %	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm
OD7-001	205	273	0.065	< 0.2	176	20	< 2	< 1	< 10	36	64	9	0.97	90	< 0.5	0.11	< 0.5	4	160	1.37	< 10
OD7-002	205	273	0.050	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-003	205	273	0.090	< 0.2	400	38	< 2	< 1	< 10	38	40	13	1.19	90	< 0.5	0.12	< 0.5	6	133	2.08	< 10
OD7-004	205	273	0.070	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-005	205	273	0.175	< 0.2	318	32	< 2	< 1	< 10	74	44	14	0.80	70	0.5	0.11	< 0.5	8	73	0.88	< 10
OD7-006	205	273	0.500	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-007	205	273	0.270	0.2	400	54	< 2	< 1	< 10	68	48	6	0.81	50	0.5	0.07	< 0.5	1	64	0.87	< 10
OD7-008	205	273	0.105	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-009	205	273	0.085	< 0.2	166	26	< 2	< 1	< 10	56	78	4	0.92	40	0.5	0.12	< 0.5	1	113	0.81	< 10
OD7-010	205	273	0.080	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-011	205	273	0.045	< 0.2	250	20	< 2	< 1	< 10	62	40	3	0.78	40	0.5	0.07	< 0.5	< 1	101	0.76	< 10
OD7-012	205	273	0.040	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-013	205	273	0.290	< 0.2	400	24	< 2	< 1	< 10	56	38	1	0.63	30	< 0.5	0.09	< 0.5	< 1	84	0.69	< 10
OD7-014	205	273	0.310	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-015	205	273	0.135	< 0.2	316	34	< 2	< 1	< 10	56	36	4	0.86	50	0.5	0.12	< 0.5	1	95	0.97	< 10
OD7-016	205	273	0.025	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-017	205	273	0.035	< 0.2	96	30	< 2	< 1	< 10	58	74	3	0.78	50	< 0.5	0.10	< 0.5	1	119	0.81	< 10
OD7-018	205	273	0.020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-019	205	273	0.040	< 0.2	250	38	< 2	< 1	< 10	62	40	3	0.62	50	< 0.5	0.18	< 0.5	7	49	0.77	< 10
OD7-020	205	273	0.040	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-020A	214	--	0.565	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-021	205	273	0.065	< 0.2	396	72	< 2	< 1	< 10	16	94	20	0.82	50	< 0.5	0.12	< 0.5	13	75	2.53	< 10
OD7-022	205	273	0.060	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-023	205	273	0.050	< 0.2	430	16	< 2	< 1	< 10	12	88	38	0.49	40	< 0.5	0.04	< 0.5	20	79	3.45	< 10
OD7-024	205	273	0.070	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-025	205	273	0.040	< 0.2	364	14	< 2	< 1	< 10	16	84	22	0.65	60	< 0.5	0.04	< 0.5	21	121	1.92	< 10
OD7-026	205	273	0.080	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-027	205	273	0.090	< 0.2	484	12	< 2	< 1	< 10	12	64	25	0.75	50	< 0.5	0.03	< 0.5	11	137	2.57	< 10
OD7-028	205	273	0.015	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-029	205	273	0.015	< 0.2	250	32	< 2	< 1	< 10	10	94	32	0.59	50	< 0.5	0.04	< 0.5	18	97	3.49	< 10
OD7-030	205	273	0.050	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-031	205	273	0.040	< 0.2	264	34	< 2	< 1	< 10	8	72	23	0.61	50	< 0.5	0.05	< 0.5	14	106	2.69	< 10
OD7-032	205	273	0.370	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-033	205	273	0.090	< 0.2	220	10	< 2	< 1	< 10	6	56	13	0.54	60	< 0.5	0.04	< 0.5	5	107	1.30	< 10
OD7-034	205	273	0.065	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-035	205	273	0.030	< 0.2	168	2	< 2	< 1	< 10	2	26	3	0.43	90	< 0.5	0.05	< 0.5	4	169	0.98	< 10
OD7-036	205	273	0.110	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-037	205	273	0.025	< 0.2	274	6	< 2	< 1	< 10	6	42	13	0.52	60	< 0.5	0.04	< 0.5	9	148	1.90	< 10
OD7-038	205	273	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-039	205	273	< 0.005	< 0.2	120	12	< 2	< 1	< 10	10	80	31	0.74	60	< 0.5	0.04	< 0.5	17	97	4.05	< 10

CERTIFICATION: Hunt Buchler

OD-7

LOGGED BY: DL Butherus

DATE: 15 Jul 97

PREFIX OD-7

SUMMARY: 10–112' fg felsic intrusive, limonitic, some argillic/sericitic alteration (weathering?). 10-20' Qvns and schist layer cutting intrusive rk. Clay gouge (fault) at bottom of intrusive rock. 112–400' QMS, limonitic to 230', 270–410' silver-gry graphitic with trace pyrite; scattered quartz ± feldspar veinlets, probably metamorphic.

PROJECT: Old Dog 3E X 10N

HOLE NO.: OD-7 DRILL TYPE: RC

E. COORD.: 462579.24 N. COORD: 7209660.55

ELEV.: 1265' TOTAL DEPTH: 400'

BEARING: — INCLINATION: -90

PAGE: 1 OF 6

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION PERV SIL	VNLT SIL	Arg	Blch	Ser			OXIDES HEM	JAR LIM	GOE	SULFIDES PY	Aspy			COMMENTS
							0	OB																	
							5																		
							10	QMS +FEL																	
01	0.07	<	176	20	<	<	15	FEL	QVN																fg FEL, weathered, iron-std Q near bottom. Lim mod.
02	0.05						20	FEL	QVN Fault																Q near top brn clay gouge some schist/qzt frags
03	0.09	<	400	38	<	<	25	FEL	contact																mod Lim 30% schist/qzt frags
04	0.07						30	FEL	contact QVN																50% " " near bottom 10% schist QVNlt (rare) slightly less Lim
05	0.18	<	318	32	<	<	35	FEL																	Lim specks after sulfide MnOx on frac
06	0.50						40	FEL																	Lim specks after sulfide (py?) MnOx on frac
07	0.27	0.2	400	54	<	<	45	FEL																	Less lim, lim specks MnOx on frac Slight arg/ser alt
08	0.11						50	FEL																	wk to mod arg/ser alt MnOx on frac Lim specks after sulfide
09	0.09	<	166	26	<	<	55	FEL																	grussy wk arg/ser alt Lim specks after sulfide
10	0.08						60	FEL																	Lim specks after sulfide wk arg
11 (12 lb spl)	0.05	<	250	20	<	<	65	FEL	Fault?																Drill dropped 2-3 ft, poor retur Lim specks: MnOx on frac
12 (14 lb spl)	0.04						70	FEL	Fault?																Drill dropped 2-3 ft, poor retur Lim specks: MnOx on frac
13	0.29	<	400	24	<	<	75	FEL																	increasing Lim, less arg MnOx

OD-7

LOGGED BY: DLBufherus

DATE 16 Jul 97

PREFIX OD7-

SUMMARY:

PROJECT OLD DOG
HOLE NO. OD-7 DRILL TYPE RC
E. COORD. N. COORD
ELEV. TOTAL DEPTH 400'
BEARING INCLINATION -90
PAGE 2 OF 6

SAMPLE NUMBER	Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION: PERV. SIL	VNLT. SIL	Arg	Bleach	Ser	OXIDES: HEM	LIM	GOE	SULFIDES: PY	ASPY	COMMENTS
							75														
14	0.31						80	FEL													Lim specks after sulfide MnOx
15	0.14	<	316	34	<	<	85	FEL													incr arg/ser Lim after sulfide
16	0.03						90	FEL													Lim specks less arg/ser at bottom
17	0.04	<	96	30	<	<	95	FEL													Lim specks
18	0.02						100	FEL													Lim specks
19	0.04	<	250	38	<	<	105	FEL													Lim specks incr arg/ser alt MnOx on frac
20	0.04						110	FEL	Fault												MnOx clay gouge at bottom gry-brn
21	0.07	<	396	72	<	<	115	FEL / QMS	Contact												clay gouge at top gry QMS
22	0.06						120	QMS													gry QMS
23	0.05	<	430	16	<	<	125	QMS	QVN QVN												Lim Abund QVN
24	0.07						130	QMS													Lim on frac
25	0.04	<	364	14	<	<	135	QMS													Lim on frac
26	0.08						140	QMS													Lim on frac Abund Q (meta) in lower part
27	0.09	<	484	12	<	<	145	QMS													Lim on frac
28	0.02						150	QMS													Lim on frac

15 Jul | 16 Jul

GMC Data Report 2006 Page 41 of 134

OD-7

LOGGED BY: DLButherus

DATE: 16 Jul 97

PREFIX OD7-

SUMMARY:

PROJECT: OLD DOG

HOLE NO.: OD-7

DRILL TYPE: RC

E. COORD.:

N. COORD:

ELEV.:

TOTAL DEPTH: 400'

BEARING:

INCLINATION: -90

PAGE 3 OF 6

SAMPLE NUMBER	ANALYTICAL RESULTS						DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION: PERV. SIL	VNLT. SIL	Arg	BLCH	Ser			OXIDES: HEM	LIM	GOE	SULFIDES: PY	Aspy			COMMENTS
29	0.02	<	250	32	<	<	150–155	QMS																	Lim on frac
30	0.05						155–160	QMS																	Lim on frac
31	0.04	<	264	34	<	<	160–165	QMS																	Lim on frac
32	0.37						165–170	QMS	QVN																Incr Lim at top rare QVN
33	0.09	<	220	10	<	<	170–175	QMS	Fault																tr Lim at top gry clay gouge incr Lim
34	0.07						175–180	QMS	QVN																mostly Qzt ±F Abund Q±F vn
35	0.03	<	168	2	<	<	180–185	QMS																	mostly Qzt ±F
36	0.11						185–190	QMS																	incr Lim at top mostly Qzt ±F
37	0.03	<	274	6	<	<	190–195	QMS																	
38	0.01						195–200	QMS																	incr mica
39	<	<	120	12	<	<	200–205	QMS																	
40	<						205–210	QMS																	Lim on frac
41	<	<	44	10	<	<	210–215	QMS																	Lim on frac
42	<						215–220	QMS																	Lim on frac decr Lim at bottom
43	0.01	<	48	32	<	<	220–225	QMS																	10% meta Q

Rite in the Rain J.L. DARLING COR

MVE Data Report 306

Page 42 of 134

OD-7

LOGGED BY: DLButterus
DATE: 16 Jul 97
PREFIX OD7-

SUMMARY:

PROJECT: OLD DOG
HOLE NO.: OD-7 DRILL TYPE: RC
E. COORD. N. COORD
ELEV. TOTAL DEPTH: 400'
BEARING INCLINATION: -90
PAGE 4 OF 6

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION PERV. SIL	VNLT. SIL	Arg	Bleach	Ser			OXIDES HEM	~~JAR~~ LIM	GOE	SULFIDES PY	ASPY			COMMENTS
44	<						225																		
							230	QMS																	silver-gry bottom half, no Lim
45	<	<	14	6	<	<	235	QMS																	silver-gry. dk Q eyes. tr Py. Qzt
46	0.01						240	QMS																	Qzt. tr Py. dk Q eyes.
47	0.09	<	278	8	<	<	245	QMS																	Qzt. tr Py. dk Q eyes. 5% moto Q at bottom
48	0.02						250	QMS																	Qzt. tr Py, some on frac. dk Q eyes.
49	0.01	<	18	10	<	<	255	QMS																	Qzt, more mica slightly graphit tr py. dk Q eyes
50	<						260	QMS																	QMS slightly graphitic
51	<	<	16	30	<	<	265	QMS																	QMS slightly graphitic
52	0.01						270	QMS																	Qzt at top tr py. dk Q eyes.
53	0.01	<	44	2	<	<	275	QMS																	tr py. slightly arg?
54	0.01						280	QMS																	tr py more graphitic at bottom
55	0.08	<	3580	2	<	<	285	QMS																	tr py
56	0.05						290	QMS																possible contam from cyclone	Qzt. tr mariposite? incr py. incr mica/graph at bottom
57	0.02	<	130	6	<	<	295	QMS																	graphitic. tr py Qzt in bottom half
58	0.01						300	QMS																	Qzt. tr py more mica/graph in middle (lost top 1.5' of sample) alternating Qzt and mica/graph from the Rim

11 DARLING CO

OD-7

LOGGED BY: DL Butherus
DATE: 16 Jul 97
PREFIX OD7-

SUMMARY:

PROJECT OLD DOG
HOLE NO. OD-7
E. COORD.
ELEV.
BEARING
DRILL TYPE RC
N. COORD
TOTAL DEPTH 400'
INCLINATION -90
PAGE 5 OF 6

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION PERV. SIL	VNLT. SIL	Arg	Bleach	Ser			OXIDES HEM	~~Jar~~ Lim	GOE	SULFIDES PY	Aspy		COMMENTS
59	0.01	<	32	6	<	<	300																	
							305	QMS	Qvnlt															Qzt with abund meta Q at top. tr py. Hairline Q vnlt. more graph toward bottom
60	0.02						310	QMS																tr py. QMS, graphitic
61	<	<	34	8	<	<	315	QMS																slightly graphitic. py blebs 5mm. pale milky green alt feldspar (ser alt?) in middle
62	<						320	QMS																graphitic. tr py Qzt at bottom
63	0.02	<	120	6	<	<	325	QMS																Qzt. tr py some meta Q
64	<						330	QMS	F vn															Qzt. tr py more mica/graph twd bottom, hairline Qzt Q(meta?) ± F, some alt to greenish clay
65	0.01	<	60	2	<	<	335	QMS	FQvn															Qzt Milky F ± Q veinlets, prob meta. tr py. dk Q eyes,
66	<						340	QMS																Qzt. Tr py. Hairline Q ± F vnlt
67	<	<	12	6	<	<	345	QMS																QMS, graphitic. tr py to 3mm
68	<						350	QMS																QMS, graphitic tr py. dk Q eyes. lt gry Qzt in lower half, bleached?
69	0.01	<	16	10	<	<	355	QMS	F vnlt															QMS, graphitic, also QzT dk Q eyes. tr py to 5mm. F vnlt (hairline), prob meta.
70	0.23						360	QMS	F±Q vnlt															Qz± F ± Q hairline vnlt tr py
71	0.02	<	42	6	<	<	365	QMS	F vnlt															Qz± bich? tr py hairline F vnlt, prob meta.
72	0.05						370	QMS	Q±F vnlt															QMS, graphitic. tr py Q ± F vnlts, prob meta.
73	0.02	<	140	4	<	<	375	QMS	Q±F vnlt															QMS tr py Q±F vnlts, prob meta.

OD-7

LOGGED BY: DLButhenus

DATE 16 Jul 97

PREFIX OD7-

SUMMARY:

PROJECT Old Dog

HOLE NO. OD-7 DRILL TYPE RC

E. COORD. N. COORD

ELEV. TOTAL DEPTH 400'

BEARING INCLINATION -90

PAGE 6 OF 6

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo
306						
74	0.01					
75	0.01	0.4	310	4	<	<
76	0.01					
77	0.01	<	214	<	<	<
78	0.02					
EOH	400'					

DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION PERV. SIL	VNLT. SIL	Arg	Blch	Ser			OXIDES HEM	LIM / JAR	GOE	SULFIDES PY	Aspy	COMMENTS
375																
380	QMS	Q±F vnlt			tr									tr		QMS tr py. hairline Q±F. vnlts, prob meta. Abund Q±F at bottom, prob met.
385	QMS	Q±F ±py vnlt			tr									tr		QMS tr py. Abund Q±F±py vein material, prob meta, 10%.
390	QMS	Q±F vnlt			tr									tr		QMS tr py. dk Q eyes Q±F vn material, prob meta.
395	QMS	Q±F vnlt			tr									tr		QMS + QET. tr py. Q±F hair vnlts, prob meta.
400	QMS													tr		QMS tr py. dk Q eyes. tr chlorite

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers
994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :2-A
Total Pages :3
Certificate Date: 26-JUL-97
Invoice No. :I9732702
P.O. Number :00194
Account :DOGN

CERTIFICATE OF ANALYSIS A9732702

SAMPLE	PREP CODE		Au ppm FA+AA	Ag ppm	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Pb ppm	Zn ppm	Cu ppm	Al %	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm
OD7-040	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-040A	214	--	0.080	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-041	205	273	< 0.005	< 0.2	44	10	< 2	< 1	< 10	8	70	23	1.36	70	< 0.5	0.03	< 0.5	7	160	2.72	< 10
OD7-042	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-043	205	273	0.005	< 0.2	48	32	< 2	< 1	< 10	12	74	25	1.27	80	< 0.5	0.09	< 0.5	11	119	3.43	< 10
OD7-044	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-045	205	273	< 0.005	< 0.2	14	6	< 2	< 1	< 10	6	74	21	1.03	150	< 0.5	0.07	< 0.5	11	130	2.64	< 10
OD7-046	205	273	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-047	205	273	0.065	< 0.2	278	8	< 2	< 1	< 10	4	64	26	0.79	70	< 0.5	0.08	< 0.5	14	79	3.39	< 10
OD7-048	205	273	0.015	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-049	205	273	0.005	< 0.2	18	10	< 2	< 1	< 10	12	104	37	1.25	60	< 0.5	0.09	< 0.5	18	59	4.27	< 10
OD7-050	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-051	205	273	< 0.005	< 0.2	16	30	< 2	< 1	< 10	10	84	34	0.72	60	< 0.5	0.11	< 0.5	16	64	4.33	< 10
OD7-052	205	273	0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-053	205	273	0.010	< 0.2	44	2	< 2	< 1	< 10	12	70	25	0.74	70	< 0.5	0.07	< 0.5	12	139	2.67	< 10
OD7-054	205	273	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-055	205	273	0.075	< 0.2	3500	2	< 2	< 1	< 10	14	68	39	0.58	60	< 0.5	0.10	0.5	16	71	3.76	< 10
OD7-056	205	273	0.045	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-057	205	273	0.020	< 0.2	130	6	< 2	< 1	< 10	10	88	23	0.54	80	< 0.5	0.09	< 0.5	11	162	2.83	< 10
OD7-058	205	273	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-059	205	273	0.010	< 0.2	32	6	< 2	< 1	< 10	18	108	29	0.50	40	< 0.5	0.09	< 0.5	12	203	3.25	< 10
OD7-060	205	273	0.020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-060A	214	--	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-061	205	273	< 0.005	< 0.2	34	8	< 2	< 1	< 10	12	132	41	0.68	50	< 0.5	0.12	< 0.5	18	116	4.37	< 10
OD7-062	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-063	205	273	0.020	< 0.2	120	6	< 2	< 1	< 10	8	48	23	0.53	60	< 0.5	0.18	< 0.5	11	176	2.72	< 10
OD7-064	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-065	205	273	0.010	< 0.2	60	2	< 2	< 1	< 10	8	48	23	0.56	70	< 0.5	0.29	< 0.5	11	136	2.66	< 10
OD7-066	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-067	205	273	< 0.005	< 0.2	12	6	< 2	< 1	< 10	10	92	38	0.84	60	0.5	0.24	< 0.5	17	84	4.34	< 10
OD7-068	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-069	205	273	0.010	< 0.2	16	10	< 2	< 1	< 10	6	42	28	0.60	70	< 0.5	0.32	< 0.5	16	140	3.36	< 10
OD7-070	205	273	0.225	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-071	205	273	0.020	< 0.2	42	6	< 2	< 1	< 10	6	62	22	0.38	30	< 0.5	0.28	< 0.5	11	118	2.65	< 10
OD7-072	205	273	0.050	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-073	205	273	0.020	< 0.2	140	4	< 2	< 1	< 10	8	60	25	0.53	70	< 0.5	0.32	< 0.5	13	109	3.07	< 10
OD7-074	205	273	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-075	205	273	0.010	0.4	310	4	< 2	< 1	< 10	194	238	84	0.36	60	< 0.5	0.34	1.0	14	121	3.17	< 10
OD7-076	205	273	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-077	205	273	0.010	< 0.2	214	< 2	< 2	< 1	< 10	12	42	17	0.30	40	< 0.5	0.97	< 0.5	8	77	2.12	< 10

CERTIFICATION: Stuart Bichler

Chemex Labs, Inc.

*Analytical Chemists * Geochemists * Registered Assayers*

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PHONE: 702-356-5395 FAX: 702-355-0179

To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :1-B
Total Pages :3
Certificate Date: 26-JUL-97
Invoice No. :19732702
P.O. Number :00194
Account :DOGN

CERTIFICATE OF ANALYSIS A9732702

SAMPLE	PREP CODE	Hg ppm	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
OD7-001	205 273	< 1	0.27	10	0.10	130	0.01	9	130	1	14	< 0.01	< 10	< 10	12
OD7-002	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-003	205 273	< 1	0.26	10	0.10	250	0.01	13	120	1	15	< 0.01	< 10	< 10	13
OD7-004	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-005	205 273	< 1	0.31	10	0.04	620	< 0.01	14	60	< 1	12	< 0.01	< 10	< 10	2
OD7-006	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-007	205 273	< 1	0.31	10	0.03	705	< 0.01	10	60	< 1	9	< 0.01	< 10	< 10	1
OD7-008	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-009	205 273	< 1	0.30	10	0.09	190	< 0.01	6	40	< 1	12	< 0.01	< 10	< 10	1
OD7-010	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-011	205 273	< 1	0.32	10	0.03	370	< 0.01	5	40	< 1	8	< 0.01	< 10	< 10	< 1
OD7-012	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-013	205 273	< 1	0.30	10	0.03	150	< 0.01	4	40	< 1	9	< 0.01	< 10	< 10	< 1
OD7-014	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-015	205 273	< 1	0.31	10	0.09	315	0.01	6	60	< 1	13	< 0.01	< 10	< 10	< 1
OD7-016	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-017	205 273	< 1	0.29	10	0.08	210	0.03	5	80	< 1	13	< 0.01	< 10	< 10	3
OD7-018	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-019	205 273	< 1	0.21	10	0.10	760	0.01	9	60	< 1	17	< 0.01	< 10	< 10	< 1
OD7-020	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-020A	214 --	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-021	205 273	< 1	0.17	30	0.14	615	< 0.01	33	200	1	15	< 0.01	< 10	< 10	6
OD7-022	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-023	205 273	< 1	0.17	40	0.02	265	0.01	36	210	1	10	< 0.01	< 10	< 10	6
OD7-024	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-025	205 273	< 1	0.22	30	0.03	320	0.01	29	100	2	23	< 0.01	< 10	< 10	6
OD7-026	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-027	205 273	< 1	0.22	30	0.02	260	0.01	26	120	2	23	< 0.01	< 10	< 10	9
OD7-028	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-029	205 273	< 1	0.22	40	0.04	595	0.01	42	170	1	15	< 0.01	< 10	< 10	6
OD7-030	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-031	205 273	< 1	0.17	30	0.08	455	0.01	33	190	1	10	< 0.01	< 10	< 10	5
OD7-032	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-033	205 273	< 1	0.16	30	0.04	135	0.01	13	60	1	22	< 0.01	< 10	< 10	5
OD7-034	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-035	205 273	< 1	0.06	10	0.04	100	0.01	13	70	1	18	< 0.01	< 10	< 10	4
OD7-036	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-037	205 273	< 1	0.17	20	0.04	495	0.01	20	140	1	14	< 0.01	< 10	< 10	4
OD7-038	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-039	205 273	< 1	0.18	30	0.13	695	0.01	38	170	3	11	< 0.01	< 10	< 10	8

CERTIFICATION: Ivan Bickler

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers
994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :2-B
Total Pages :3
Certificate Date: 26-JUL-97
Invoice No. :19732702
P.O. Number :00194
Account :DOGN

CERTIFICATE OF ANALYSIS A9732702

SAMPLE	PREP CODE		Hg ppm	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
OD7-040	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-040A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-041	205	273	< 1	0.23	30	0.39	170	0.01	12	110	1	12	< 0.01	< 10	< 10	9
OD7-042	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-043	205	273	< 1	0.25	30	0.43	340	0.02	22	320	1	15	< 0.01	< 10	< 10	9
OD7-044	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-045	205	273	< 1	0.19	20	0.46	365	0.03	25	170	1	13	< 0.01	< 10	< 10	7
OD7-046	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-047	205	273	< 1	0.17	20	0.56	540	0.01	31	160	2	12	< 0.01	< 10	< 10	8
OD7-048	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-049	205	273	< 1	0.20	30	0.76	490	0.01	42	280	1	11	< 0.01	< 10	< 10	9
OD7-050	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-051	205	273	< 1	0.21	40	0.71	635	0.03	37	250	2	16	< 0.01	< 10	< 10	8
OD7-052	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-053	205	273	< 1	0.18	10	0.41	410	0.01	27	140	3	24	< 0.01	< 10	< 10	9
OD7-054	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-055	205	273	< 1	0.16	30	0.47	375	0.01	33	200	2	18	< 0.01	< 10	< 10	8
OD7-056	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-057	205	273	< 1	0.17	20	0.40	365	0.01	26	190	2	15	< 0.01	< 10	< 10	7
OD7-058	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-059	205	273	< 1	0.15	10	0.52	330	0.02	28	150	2	17	< 0.01	< 10	< 10	7
OD7-060	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-060A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-061	205	273	< 1	0.21	30	0.76	415	0.01	40	230	2	14	< 0.01	< 10	< 10	7
OD7-062	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-063	205	273	< 1	0.14	10	0.44	325	0.02	24	140	2	23	< 0.01	< 10	< 10	8
OD7-064	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-065	205	273	< 1	0.16	10	0.50	320	0.01	24	150	3	24	< 0.01	< 10	< 10	8
OD7-066	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-067	205	273	< 1	0.25	30	0.81	340	0.01	40	260	1	17	< 0.01	< 10	< 10	7
OD7-068	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-069	205	273	< 1	0.20	10	0.59	385	0.01	29	150	3	35	< 0.01	< 10	< 10	8
OD7-070	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-071	205	273	< 1	0.13	10	0.50	280	0.01	23	130	1	32	< 0.01	< 10	< 10	6
OD7-072	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-073	205	273	< 1	0.19	10	0.64	335	0.01	30	180	2	28	< 0.01	< 10	< 10	6
OD7-074	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-075	205	273	< 1	0.14	10	0.52	355	< 0.01	27	120	1	19	< 0.01	< 10	< 10	5
OD7-076	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD7-077	205	273	< 1	0.15	10	0.54	450	0.01	18	190	1	40	< 0.01	< 10	< 10	4

CERTIFICATION: Stuart Bichler

Chemex Labs, Inc.
Analytical Chemists * Geochemists * Registered Assayers
994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :3-A
Total Pages :3
Certificate Date: 26-JUL-97
Invoice No. :19732702
P.O. Number :00194
Account :DOGN

CERTIFICATE OF ANALYSIS A9732702

SAMPLE	PREP CODE		Au ppm FA+AA	Ag ppm	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Pb ppm	Zn ppm	Cu ppm	Al %	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm
OD7-078	205	273	0.020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: Bart Bichler

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Analytical Chemists * Geochemists * Registered Assayers
994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To: CYPRUS GOLD
ATTN: BILL DUNCAN
1920 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :1-A
Total Pages :3
Certificate Date: 29-JUL-97
Invoice No. :I9733113
P.O. Number :00195
Account :DOGN

CERTIFICATE OF ANALYSIS A9733113

SAMPLE	PREP CODE		Au ppm FA+AA	Ag ppm	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Pb ppm	Zn ppm	Cu ppm	Al %	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm
OD8-01	205	273	0.055	< 0.2	212	38	< 2	< 1	< 10	76	52	1	0.46	20	< 0.5	0.07	< 0.5	< 1	128	0.62	< 10
OD8-02	205	273	0.100	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-03	205	273	0.080	< 0.2	428	46	< 2	< 1	< 10	74	10	1	0.42	20	< 0.5	0.07	< 0.5	< 1	86	0.59	< 10
OD8-04	205	273	0.260	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-05	205	273	0.250	< 0.2	1080	74	< 2	< 1	< 10	64	14	2	0.36	50	< 0.5	0.07	< 0.5	< 1	48	1.04	< 10
OD8-06	205	273	0.080	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-07	205	273	0.055	< 0.2	304	20	< 2	< 1	< 10	68	4	< 1	0.32	30	< 0.5	0.05	< 0.5	< 1	59	0.46	< 10
OD8-08	205	273	0.205	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-09	205	273	0.810	< 0.2	884	588	< 2	< 1	< 10	46	56	2	0.31	20	< 0.5	0.03	< 0.5	< 1	74	0.60	< 10
OD8-10	205	273	1.135	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-11	205	273	0.055	< 0.2	630	78	< 2	< 1	< 10	12	68	12	0.36	30	< 0.5	0.01	< 0.5	3	79	1.85	< 10
OD8-12	205	273	1.180	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-13	205	273	2.10	0.2	8410	34	< 2	< 1	< 10	44	72	21	0.44	50	< 0.5	< 0.01	< 0.5	1	118	2.07	< 10
OD8-14	205	273	0.185	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-15	205	273	0.020	< 0.2	1080	10	< 2	1	20	16	130	62	0.43	40	0.5	< 0.01	< 0.5	11	69	3.53	< 10
OD8-16	205	273	0.170	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-17	205	273	0.015	< 0.2	1605	12	< 2	< 1	10	20	140	56	0.41	70	0.5	0.01	< 0.5	15	71	4.71	< 10
OD8-18	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-19	205	273	0.010	< 0.2	730	12	< 2	< 1	< 10	10	110	50	0.41	60	0.5	0.02	< 0.5	24	79	4.32	< 10
OD8-20	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-20A	214	--	0.060	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-21	205	273	< 0.005	< 0.2	86	6	< 2	< 1	< 10	8	120	16	0.49	50	< 0.5	0.11	< 0.5	10	52	2.61	< 10
OD8-22	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-23	205	273	0.090	< 0.2	80	10	< 2	< 1	< 10	6	38	6	0.48	50	< 0.5	0.08	< 0.5	6	103	1.85	< 10
OD8-24	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-25	205	273	< 0.005	< 0.2	40	16	< 2	1	< 10	12	122	50	0.44	50	< 0.5	0.09	< 0.5	21	69	3.91	< 10
OD8-26	205	273	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-27	205	273	0.035	< 0.2	2560	16	< 2	1	< 10	16	96	37	0.50	60	0.5	0.15	< 0.5	19	95	4.83	< 10
OD8-28	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-29	205	273	< 0.005	< 0.2	32	8	< 2	< 1	< 10	12	126	47	0.44	30	< 0.5	0.34	< 0.5	19	66	4.53	< 10
OD8-30	205	273	0.020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-31	205	273	0.020	< 0.2	654	8	< 2	< 1	< 10	12	80	41	0.38	40	< 0.5	0.15	< 0.5	14	88	3.10	< 10
OD8-32	205	273	0.260	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-33	205	273	0.015	< 0.2	822	16	< 2	< 1	< 10	8	70	35	0.59	60	< 0.5	0.14	< 0.5	15	113	3.35	< 10
OD8-34	205	273	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-35	205	273	< 0.005	< 0.2	8	44	< 2	< 1	< 10	4	38	15	0.89	50	< 0.5	0.10	< 0.5	9	94	2.42	< 10
OD8-36	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-37	205	273	< 0.005	< 0.2	126	8	< 2	< 1	< 10	18	100	31	0.68	60	< 0.5	0.11	< 0.5	16	87	3.37	< 10
OD8-38	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-39	205	273	< 0.005	< 0.2	94	6	< 2	1	< 10	10	86	37	0.35	50	< 0.5	0.07	< 0.5	16	83	3.38	< 10

CERTIFICATION: Ward Bichler

OD-8

LOGGED BY: D. Butherus
DATE: 18 Jul 97

SUMMARY: 0-56' fg felsic intrusive, limonitic, ± bleached, ± argillic/sericitic alteration, Q vnlts ± grey sulfide specks, fault gouge at basal contact. 56-347' QMS, ± limonite, Q ± F vns, ± py, some bleaching ± sericite, 240-347 tr aspy. 347-405' Greenstone Q ± F ± calcite vns, tr py ± aspy, some bleaching. 405-487' QMS, QTF vns, tr py ± aspy, some bleaching. 487-490' Greenstone, tr py ± aspy.

PROJECT: Old Dog 7.6 W X 10 N
HOLE NO.: OD-8
E. COORD.: 462343.16
ELEV.: 1420'
BEARING: —
DRILL TYPE: RC
N. COORD: 7209862.60
TOTAL DEPTH: 490'
INCLINATION: -90
PAGE: 1 OF 7

ALL PREFIX OD8 —

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo
01	0.06	<	212	38	<	<
02	0.10					
03	0.08	<	428	46	<	<
04	0.26					
05	0.25	<	1080	74	<	<
06	0.08					
07	0.06	<	304	20	<	<
08	0.21					
09	0.81	<	884	588	<	<
10	1.14					
11	0.06	<	630	78	<	<
12	1.18					
13	2.10	0.2	8410	34	<	<

DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION: PERV. SIL	VNLT. SIL	Arg	Bleach	Ser			OXIDES: HEM	~~JAR~~ Lim	GOE	SULFIDES: PY	Aspy	COMMENTS
0	FEL						?									fg felsic intrusive, arg/ser alt, blch. Lim on frac. Hairline Q vnlt Slight pervasive FeOx. 1% qtz
5	FEL						?									hairline Q
10	FEL						?									
15	FEL						?									rare specks gry sulfide?
20	FEL						?									rare specks gry sulfide?
25	FEL						?									gry fel
30	FEL	Fault?						?								1st foot very rusty. some ft br clay
35	FEL							?								lim on frac
40	FEL							?								less lim
45	FEL							?								
50	FEL	QVN						?						?		hairline Q vnlt
55	FEL / QMS	Fault? Contact						?								dk gry (sulfidic?) fnd bottom
60	QMS															1-2 ft blk gouge str lim above contact
65	QMS	Fault Qvn														gry 1% gry QZT, mod lim in lower part
70	QMS	Qvns Fault														gry clay gouge upper gry, minor lmn. Q vnlt
75																Qvn, lim fault gouge, rusty

OD-8

LOGGED BY: D. Butherus
DATE: 18 Jul 97
ALL PREFIX ODB —

SUMMARY:

PROJECT: OLD DOG
HOLE NO.: OD-8 DRILL TYPE: RC
E. COORD.: N. COORD:
ELEV.: TOTAL DEPTH: 490'
BEARING: INCLINATION: -90
PAGE: 2 OF 7

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo
14	0.19					
15	0.02	<	1080	10	<	1
16	0.17					
17	0.02	<	1605	12	<	<
18	<					
19	0.01	<	730	12	<	<
20	<					
21	<	<	86	6	<	<
22	<					
23	0.09	<	80	10	<	<
24	<					
25	<	<	40	16	<	1
26	0.01					
27	0.04	<	2560	16	<	1
28	<					

DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION: PERV. SIL.	VNLT. SIL.	Arg	Blch	Ser			OXIDES: HEM	LIM	GOE	SULFIDES: PY	ASPY			COMMENTS
175	QMS	Fault																gouge, gry clay brownish Qzt, perv FeOx
180	QMS	Q±F vns																gry. Q±F vns
185	QMS	QF vn																QF vnlts incr lim twd bottom
190	QMS	QFvn																QF vnlts?
195	QMS	QFvn																QF vnlts, limonitic in part
200	QMS	QVN?																abund milky Q at bottom 80%
205	QMS	Qvn?																abund milky Q in middle, FeOx on frac - QMS slightly graph at bott
210	QMS																	brownish QZT
215	QMS	QFvnlt																brownish QZT. hairline QF vnlts more graphitic at bottom
220	QMS	QFvnlt																gry-brn QZT, lim on some frac
225	QMS	QFvnlt																more mica at top hairline QFvnlts graphitic at bottom
230	QMS																	dk gry graphitic more QZT at bottom
235	QMS	QFvnlt																graphitic Q±F vnlts ± py
240	QMS	QFvnlt																milky Q±F vnlts brnish QZT at bottom
245	QMS																	dk silver-gry graphitic a few limonitic frac tr py

OD-8

LOGGED BY: D. Butherus
DATE: 18 Jul 97
ALL PREFIX OD8 –

SUMMARY:

PROJECT: Old Dog
HOLE NO.: OD-8 DRILL TYPE: RC
E. COORD.: N. COORD:
ELEV.: TOTAL DEPTH: 490'
BEARING: INCLINATION: -90
PAGE: 3 OF 7

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION PERV SIL	VNLT SIL	Arg	Buch	Ser			OXIDES HEM	JAR LIM	GOE	SULFIDES PY	Aspy			COMMENTS
							150																		
29	<	<	32	8	<	<	155	QMS	Fvnlt																dk silver-gry graphitic F vnlts. tr py
30	0.02						160	QMS																	graphitic 3% milky Q at top tr py
31	0.02	<	654	8	<	<	165	QMS	Fvnlt																F vnlts. tr py. graphitic. milky Q at bottom, 5%
32	0.26						170	QMS	Fvnlt																F vnlts. tr py. less graphitic
33	0.02	<	822	16	<	<	175	QMS																	graphitic in part. tr py. dk Q eyes in some.
34	0.01						180	QMS	Fvnlt																mostly gry QZT. some schist with dk Q eyes
35	<	<	8	44	<	<	185	QMS																	as above. tr py.
36	<						190	QMS																	as above. tr py.
37	<	<	126	8	<	<	195	QMS																	dk gry schist and QZT, some dk Q eyes tr py. graphitic
38	<						200	QMS																	as above
39	<	<	94	6	<	1	205	QMS																	gry felsopathic QZT top gry graphitic schist. tr py
40	<						210	QMS																	gry schist, graphitic, and QZT ± F some dk Q eyes. tr py
41	<	<	250	6	<	1	215	QMS	QFvn																gry graphitic, some milky Q. tr py. QF vnlt w/ FeOx. gry QZT, lim on some frac – at bottom
42	0.01						220	QMS																	gry QZT, lim on some frac – at top. tr py
43	0.01	0.4	144	6	<	<	225	QMS	QF vnlt?			?													lt gry QZT, lim frac. tr py. slt perv FeOx possible QF vnlt

OD-8

LOGGED BY: D. Butkerus

DATE: 18 Jul 97

ALL PREFIX OD8-

SUMMARY:

PROJECT: OLD DOG
HOLE NO.: OD-8 — DRILL TYPE: RC
E. COORD. — N. COORD
ELEV. — TOTAL DEPTH: 490'
BEARING — INCLINATION: -90
PAGE 4 OF 7

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo
44	<					
45	0.01	0.2	1665	8	<	<
46	0.01					
47	0.01	0.2	1110	<	<	1
48	0.02					
49	<	<	114	2	<	1
50	<					
51	0.08	<	2900	2	<	<
52	<					
53	0.13	<	708	6	<	<
54	<					
55	<	<	164	6	<	<
56	0.08					
57	0.01	<	330	14	<	<
58	0.02					

DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION: PERV. SIL.	VNLT. SIL.	Arg	Blch	Ser			OXIDES: HEM	JAR/Limn	GOE	SULFIDES: PY	Aspy	Gal	COMMENTS
225																	
	QMS	Q±F vns															lt gry QZT, lim frac some milky Q (meta?) Abund Q±F vn (50%?) lower part. tr chlorite. tr lim in vn
230	QMS	Q±F vns?			?												gry, some dark Q eyes milky Q±F vns? brnish-gry QZT
235	QMS	Q±F vns															brnish-gry QZT. Q±F vns, FeOx in pa
240	QMS	Q±F vns														?	some dk Q eyes. Q±F vns, FeOx one bleb aspy? or galena
245	QMS																gry QZT milky Q (meta?) secondary bio? hf?? in center part. gry QZT lower part.
250	QMS																gry QZT. dk Q eyes. tr py. some meta Q. more py + graph twd bottom. dk Qe
255	QMS																gry, slightly graphitic slightly chloritic, 25% meta Q
260	QMS	? Q±F vns			?										?		slightly chloritic Q±F (meta and vns?) tr py and aspy?
265	QMS														?		chloritic, tr py and aspy? meta Q
270	QMS	? Q±F vn			?												lt gry QZT, slight FeOx bottom half
275	QMS					?	?								?		lt gry QZT±F. slight FeOx. tr py in places. Q±F vns? twd bottom
280	QMS	? Q±F vn			?	?	?								?		lt gry QZT±F, blch? ser? tr aspy? tr FeOx
285	QMS	Q±F vn			?	?	?										lt gry QZT±F, blch? ser? tr aspy? Q±F vn?
290	QMS	Q±F vn			?	?	?										lt gry QZT/QMS±F, blch? ser? Q±F vns. milky meta Q
295	QMS	Q±F vnlt ?			?	?	?										lt gry. abund milky meta Q (or vein? in center part, nearly 100%
300	QMS	Frac?				?	?								?		Sand-size Q, F, and QMS frags top half - frac zone gry QZT, discrm aspy

chl

OD-8

LOGGED BY: D. Butherus

DATE: 18 Jul 97

ALL PREFIX OD8-

SUMMARY:

PROJECT OLD DOG
HOLE NO. OD-8 DRILL TYPE RC
E. COORD. N. COORD
ELEV. TOTAL DEPTH 490'
BEARING INCLINATION -90
PAGE 5 OF 7

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo
59	0.17	<	5800	10	<	1
60	0.05					
61	0.02	<	430	8	<	<
62	0.01					
63	0.01	<	128	6	<	<
64	<					
65	0.01	<	608	8	<	1
66	0.01					
67	<	<	32	12	<	<
68	<					
69	<	<	248	2	<	<
70	<					
71	<	<	42	2	<	<
72	<					
73	<	<	164	6	<	<

DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION: PERV. SIL	VNLT. SIL	Arg	Bleach	Ser		Vnlt calc	OXIDES: HEM	GOE	SULFIDES: PY	Aspy	COMMENTS
300															
305	QMS	QFvns					?	?							gry. dissem aspy QF vns, rare
310	QMS	Qvns					?	?							abund milky Q at top (meta? or vns?) dissem aspy, some in vns also
315	QMS	QF vnlt					?	?							gry. dark Qeyes. tr aspy QF vnlts
320	QMS	Qvns					?	?							gry. mod abund milky Q at top, w/ a few specks aspy tr aspy in rk
325	QMS	Q±F vns					?	?							gry. a few Q±F vns. tr aspy- tr py.
330	QMS	Q±F vns					?	?							gry. minor Q±F vns. tr py. tr aspy.
335	QMS	Qvn					?	?							abund milky Q (meta+vns) 30% tr aspy
340	QMS	Q±F vn					?	?							dk gry. abund Q±F 20% tr aspy. tr py
345	QMS	? Q±F vn					?	?							gry. minor Q tr aspy. tr py. py>aspy
350	QMS / GST	Qvn contact													greenish-gry chloritic 30% Q tr py. tr aspy. py>aspy dark green granular, str chl (greenston
355	GST	QF vnlt ± calc													dk grn, str chloritic, granular hem on some frac. rare QF vnlts ± tr py
360	GST	Q±F ± calc													dk grn, granular. tr py. str chl minor Q±F vn. tr hem on frac (tra ± calc vn
365	GST	Q±F vnlt ± calc													dk grn, str chl, granular. tr py, but fairly abund in several frags Q±F vnlts. tr hem on frac (rare)
370	GST	Qvns ± calc						?							dk grn str chl, granular tr py abund Qvn (30%) bottom half 5% wk Qvnlts tr hem
375	GST	Q±F vnlts ± calc													pale grn-gry, str chl. tr py. hairline ±F vnlts. also meta? QF. ± calc dk grn, str chl at bottom. tr py, hem on frac. hairline Q±F vnlts

18 Jul 97 | 19 Jul 97

OD-8

LOGGED BY: D. Butherus
DATE: 19 Jul 97
ALL PREFIX OD8-

SUMMARY:

PROJECT: OLD DOG
HOLE NO.: OD-8
DRILL TYPE: RC
E. COORD.:
N. COORD:
ELEV.:
TOTAL DEPTH: 490'
BEARING:
INCLINATION: -90
PAGE 6 OF 7

SAMPLE NUMBER	Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	COMMENTS
							375			hit H_2O at 375' 10:10
74	0.01						375–380	GST	stkwk Q±F ±calc	dk grn, granular, str chl. hairline Q ±calc vnlts. blch zone w/ stkwk Q±F v… less blch twd bottom. tr py, some in…
75	<	<	14	26	<	<	380–385	GST	Q±F vnlts ±calc	dk grn, str chl. Q±F vnlts. tr py. tr he… mod blch at bottom. ±calc
76	<						385–390	GST	QF vns ±calc	lt grnish-gry, mod-str blch, tr py. vfg dissem py perv from QF vnlts. tr hew… abund QF vns bottom half, pyritic. tr… ~~tr tour?~~
77	<	<	46	8	<	<	390–395	GST	QF vnlts ±calc	grnish-gry, chloritic. tr py. Q±F vnl… ±calc tr tour?
78	<						395–400	GST	QF vnlts ±calc	grnish-gry, chloritic. QF vnlts tr tou… dk Qzt in middle. QF vns. tr aspy. grnish-gry, chloritic. QF vnlts ±calc
79	<	<	56	12	<	<	400–405	GST	Q±F ±calc vnlts contact	grnish-gry, chloritic. tr py tr aspy. some graphitic. Q±F vnlts ±calc. slt blch twd bottom. slicks?
80	0.05						405–410	QMS	QF stkwk QF vnlt	dkgry Qzt. stkwk Q vnlts. tr py. dk gry graph sch, 20% QF vns? gry sch rare QF vnlts at bottom. tr asp…
81	0.03	<	36	8	<	<	410–415	QMS	Q±F vnltr	gry, slt graph in part. tr py. lt grnish gry, slt chl, incr py - one densely di… bleb to 2 cm. Q±F vnlts. gry at bottom
82	0.02						415–420	QMS	Q±F vns	gry. some slt graph. Q vns w/ fg py (ra… one py clot to 3 mm. dk gry Qzt. hairline Q. few lenses of densely dissem py
83	0.01	<	46	88	<	<	420–425	QMS	Q±F vns py vnlt	gry, slt graph. tr py. Q±F vns + meta… some py vnlts. lt grnish gry, blch, tr chl
84	0.16						425–430	QMS	QF vns	gry, slt graph. tr py. abund QF meta? + vns? Bxa? some F pink… pyritic blebs abund. tr aspy? 25% v… K alt? may be perv alt
85	0.16	<	826	586	<	<	430–435	QMS	bxa	as above. tr stib? bxa. could be fg alt intrusive. arg in midd… vnlts + blebs of vfg py + stib?
86	0.22						435–440	QMS	bxa Q±F vn	as above. perv Q + stkwk vns. v pale grn - ser alt? abund py ±stib. bxa
87	0.03	<	206	114	<	<	440–445	QMS	Q vnlts F vnlts	as above. lower part finer grain, decr py, lt grnis… gry. Q vnlts with F margins. tr fuchsite? F…
88	0.04						445–450	QMS	QF vnlt	as for lower, above. dark gry Qzt? w/ bio? in center. QF vnlts as for top. gry bxa, cement by silica. vfg py

(Alteration columns: PERV. SIL, VNLT. SIL, Arg, Blch, Ser, Vnlt calc; Oxides: HEM, LIM, GOE; Sulfides: PY, Aspy, Stib — recorded graphically.)

H2O ↓ (at 375')

MRDI Data Report 06
Page 56 of 134

OD-8

LOGGED BY: D. Rutherus

DATE: 19 Jul 97

ALL PREFIX OD8 -

SUMMARY:

PROJECT: OLD DOG
HOLE NO.: OD-8
DRILL TYPE: RC
E. COORD.:
N. COORD:
ELEV.:
TOTAL DEPTH: 490'
BEARING:
INCLINATION: -90
PAGE 7 OF 7

SAMPLE NUMBER	Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	COMMENTS
							450			2%
89	0.03	<	148	38	<	<	450–455	QMS	Q vn	blk graph sch, abund py 5% milky Q lt grnish-gry sch, chl, Q±F vns. tr py
90	0.03						455–460	QMS	QF vns QF vns	lt grnish-gry, slt chl, tr py, Q±F vns gry graph Sch, QF vns, some F pink blk sch/Qzt, abund py gry Qzt, QF vns, some F pink
91	0.01	<	108	72	<	<	460–465	QMS	QF vns	blk sch/Qzt, QF vns blk to gry Qzt, tr py, Q±F vns lt grnish-gry, slt chl, tr py, tr aspy? tr Fu[illegible]
92	0.02						465–470	QMS	Q±F vns	lt grnish-gry, slt chl, tr py gry to grnish gry, py, Q±F vns incr QF vns some F pink, py
93	0.02	<	240	42	<	<	470–475	QMS	QF vns	lt grnish-gry, slt chl, tr py. abund QF vns, most F pink dk gry to blk. fewer vns. py bleb 7mm
94	0.03						475–480	QMS	Q±F vn blk	lt grnish gry, slt chl, tr aspy, tr py, Q±F v[illegible] blk graph sch, py lenses bottom half minor QF vn. Some F pink
95	0.02	<	198	28	<	<	480–485	QMS	QF vn	dk gry, pyritic, abund QF vns. some F[illegible] Some py blobs in QF vns decr QF vns, incr graph twd bottom. tr a[illegible]
96	0.01						485–490	QMS GST	contact ? QF vnlt	dk gry, tr py, Q±F vnlts. granular sch, st[illegible] slt incr chl twd bottom tr aspy? greenston[illegible]
EOH	490'						490			

Data Report 306

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers
994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :1-B
Total Pages :3
Certificate Date: 29-JUL-97
Invoice No. :I9733113
P.O. Number :00195
Account :DOGN

CERTIFICATE OF ANALYSIS A9733113

SAMPLE	PREP CODE		Hg ppm	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
OD8-01	205	273	< 1	0.25	< 10	0.01	15	< 0.01	2	40	< 1	10	< 0.01	< 10	< 10	< 1
OD8-02	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-03	205	273	< 1	0.24	< 10	0.01	15	< 0.01	1	60	< 1	13	< 0.01	< 10	< 10	< 1
OD8-04	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-05	205	273	< 1	0.17	< 10	0.02	10	< 0.01	1	90	< 1	18	< 0.01	< 10	< 10	< 1
OD8-06	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-07	205	273	< 1	0.23	< 10	0.01	5	< 0.01	1	40	< 1	9	< 0.01	< 10	< 10	< 1
OD8-08	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-09	205	273	< 1	0.19	< 10	0.01	5	< 0.01	1	30	< 1	5	< 0.01	< 10	< 10	< 1
OD8-10	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-11	205	273	< 1	0.10	10	0.01	35	0.01	5	120	1	21	< 0.01	< 10	< 10	7
OD8-12	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-13	205	273	< 1	0.19	30	< 0.01	30	< 0.01	4	290	3	14	< 0.01	< 10	< 10	4
OD8-14	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-15	205	273	< 1	0.12	30	< 0.01	400	< 0.01	19	210	2	15	< 0.01	< 10	< 10	6
OD8-16	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-17	205	273	< 1	0.15	40	0.01	440	0.01	33	240	2	18	< 0.01	< 10	< 10	5
OD8-18	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-19	205	273	< 1	0.15	40	0.03	530	< 0.01	46	200	3	19	< 0.01	< 10	< 10	6
OD8-20	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-20A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-21	205	273	< 1	0.10	30	0.20	515	0.01	23	230	2	13	< 0.01	< 10	< 10	6
OD8-22	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-23	205	273	< 1	0.06	10	0.18	275	0.01	13	170	1	11	< 0.01	< 10	< 10	6
OD8-24	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-25	205	273	< 1	0.19	50	0.45	470	0.01	46	280	1	15	< 0.01	< 10	< 10	6
OD8-26	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-27	205	273	< 1	0.15	30	0.61	860	0.01	39	250	3	21	< 0.01	< 10	< 10	9
OD8-28	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-29	205	273	< 1	0.16	30	0.98	390	0.01	41	200	3	38	< 0.01	< 10	< 10	8
OD8-30	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-31	205	273	< 1	0.15	10	0.56	305	0.01	28	180	1	18	< 0.01	< 10	< 10	6
OD8-32	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-33	205	273	< 1	0.20	30	0.60	345	0.02	33	210	2	18	< 0.01	< 10	< 10	8
OD8-34	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-35	205	273	< 1	0.08	20	0.44	325	0.01	19	200	2	11	< 0.01	< 10	< 10	9
OD8-36	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-37	205	273	< 1	0.17	40	0.65	390	0.01	37	280	3	15	< 0.01	< 10	< 10	8
OD8-38	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-39	205	273	< 1	0.16	20	0.48	375	0.01	34	130	1	19	< 0.01	< 10	< 10	5

CERTIFICATION: Bart Bichler

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers
994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :2-A
Total Pages :3
Certificate Date: 29-JUL-97
Invoice No. :19733113
P.O. Number :00195
Account :DOGN

CERTIFICATE OF ANALYSIS A9733113

SAMPLE	PREP CODE		Au ppm FA+AA	Ag ppm	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Pb ppm	Zn ppm	Cu ppm	Al %	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm
OD8-40	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-40A	214	--	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-41	205	273	< 0.005	< 0.2	250	6	< 2	1	< 10	24	86	30	0.52	30	< 0.5	0.08	< 0.5	11	31	2.59	< 10
OD8-42	205	273	0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-43	205	273	0.005	0.4	144	6	< 2	< 1	< 10	224	362	37	0.45	30	< 0.5	0.04	0.5	7	39	2.00	< 10
OD8-44	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-45	205	273	0.010	0.2	1665	8	< 2	< 1	< 10	108	124	36	0.22	40	< 0.5	0.05	< 0.5	12	40	3.30	< 10
OD8-46	205	273	0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-47	205	273	0.010	0.2	1110	< 2	< 2	1	< 10	182	70	11	0.21	30	< 0.5	1.45	< 0.5	9	35	2.33	< 10
OD8-48	205	273	0.015	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-49	205	273	< 0.005	< 0.2	114	2	< 2	1	< 10	6	50	16	0.32	30	< 0.5	0.95	< 0.5	9	77	2.12	< 10
OD8-50	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-51	205	273	0.080	< 0.2	2900	2	< 2	< 1	< 10	10	86	17	0.53	50	< 0.5	0.48	< 0.5	15	68	3.69	< 10
OD8-52	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-53	205	273	0.130	< 0.2	708	6	< 2	< 1	< 10	16	52	13	0.30	40	< 0.5	0.08	< 0.5	8	64	1.76	< 10
OD8-54	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-55	205	273	< 0.005	< 0.2	164	6	< 2	< 1	< 10	38	42	11	0.35	50	< 0.5	0.09	< 0.5	10	105	2.04	< 10
OD8-56	205	273	0.080	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-57	205	273	0.005	< 0.2	330	14	< 2	< 1	< 10	38	118	11	0.42	70	< 0.5	0.07	< 0.5	10	109	1.86	< 10
OD8-58	205	273	0.020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-59	205	273	0.170	< 0.2	5800	10	< 2	1	< 10	34	60	20	0.31	60	< 0.5	0.10	< 0.5	11	53	2.17	< 10
OD8-60	205	273	0.050	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-60A	214	--	0.550	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-61	205	273	0.020	< 0.2	430	8	< 2	< 1	< 10	28	80	22	0.29	50	< 0.5	0.11	< 0.5	10	61	2.09	< 10
OD8-62	205	273	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-63	205	273	0.010	< 0.2	128	6	< 2	< 1	< 10	20	38	11	0.26	40	< 0.5	0.07	< 0.5	7	75	1.75	< 10
OD8-64	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-65	205	273	0.010	< 0.2	608	8	< 2	1	< 10	26	38	15	0.27	30	0.5	0.26	< 0.5	8	124	5.59	< 10
OD8-66	205	273	0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-67	205	273	< 0.005	< 0.2	32	12	< 2	< 1	< 10	16	76	37	0.49	40	0.5	0.24	< 0.5	18	104	5.07	< 10
OD8-68	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-69	205	273	< 0.005	< 0.2	248	2	< 2	< 1	< 10	< 2	88	50	2.57	40	< 0.5	1.08	< 0.5	36	188	5.18	< 10
OD8-70	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-71	205	273	< 0.005	< 0.2	42	2	< 2	< 1	< 10	< 2	64	55	3.03	60	< 0.5	3.02	< 0.5	30	207	4.15	< 10
OD8-72	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-73	205	273	< 0.005	< 0.2	164	6	< 2	< 1	< 10	6	88	42	1.60	170	< 0.5	3.08	< 0.5	28	140	3.90	< 10
OD8-74	205	273	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-75	205	273	< 0.005	< 0.2	14	26	< 2	< 1	< 10	2	116	49	2.49	120	< 0.5	4.91	< 0.5	38	204	5.52	< 10
OD8-76	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-77	205	273	< 0.005	< 0.2	46	8	< 2	< 1	< 10	< 2	98	38	1.85	40	< 0.5	4.35	< 0.5	32	178	5.03	< 10

CERTIFICATION: Stuart Bichler

Chemex Labs, Inc.

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To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :2-B
Total Pages :3
Certificate Date: 29-JUL-97
Invoice No. :19733113
P.O. Number :00195
Account :DOGN

CERTIFICATE OF ANALYSIS A9733113

SAMPLE	PREP CODE		Hg ppm	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
OD8-40	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-40A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-41	205	273	< 1	0.08	10	0.47	305	0.01	23	190	1	8	< 0.01	< 10	< 10	6
OD8-42	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-43	205	273	< 1	0.06	10	0.28	165	0.01	13	150	< 1	6	< 0.01	< 10	< 10	5
OD8-44	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-45	205	273	< 1	0.10	20	0.15	335	0.01	27	190	2	11	< 0.01	< 10	< 10	4
OD8-46	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-47	205	273	< 1	0.13	20	0.55	645	0.01	19	260	1	62	< 0.01	< 10	< 10	4
OD8-48	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-49	205	273	< 1	0.15	20	0.48	500	0.01	17	170	1	32	< 0.01	< 10	< 10	4
OD8-50	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-51	205	273	< 1	0.22	30	0.76	575	0.01	31	260	2	22	< 0.01	< 10	< 10	11
OD8-52	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-53	205	273	< 1	0.15	10	0.12	565	< 0.01	17	150	1	8	< 0.01	< 10	< 10	3
OD8-54	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-55	205	273	< 1	0.18	20	0.23	620	< 0.01	18	190	1	7	< 0.01	< 10	< 10	4
OD8-56	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-57	205	273	< 1	0.20	20	0.31	340	0.01	22	160	1	6	< 0.01	< 10	< 10	4
OD8-58	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-59	205	273	< 1	0.19	10	0.24	300	0.01	22	270	< 1	6	< 0.01	< 10	< 10	4
OD8-60	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-60A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-61	205	273	< 1	0.21	30	0.25	310	0.01	22	270	< 1	9	< 0.01	< 10	< 10	3
OD8-62	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-63	205	273	< 1	0.15	10	0.13	440	< 0.01	12	120	1	7	< 0.01	< 10	< 10	3
OD8-64	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-65	205	273	< 1	0.14	< 10	0.09	2230	< 0.01	15	240	4	12	< 0.01	< 10	< 10	11
OD8-66	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-67	205	273	< 1	0.26	30	0.42	1515	< 0.01	41	470	4	13	< 0.01	< 10	< 10	9
OD8-68	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-69	205	273	< 1	0.11	< 10	2.34	1030	0.01	136	280	5	47	0.11	< 10	< 10	56
OD8-70	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-71	205	273	< 1	0.06	< 10	3.35	725	< 0.01	161	230	4	98	0.11	< 10	< 10	53
OD8-72	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-73	205	273	< 1	0.26	< 10	2.05	695	0.01	114	560	6	174	0.07	< 10	< 10	50
OD8-74	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-75	205	273	< 1	0.26	< 10	3.72	885	< 0.01	166	510	15	272	0.02	< 10	< 10	81
OD8-76	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-77	205	273	< 1	0.07	< 10	3.84	840	< 0.01	145	300	15	205	< 0.01	< 10	< 10	74

CERTIFICATION: Ian Bichler

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Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :3-A
Total Pages :3
Certificate Date: 29-JUL-97
Invoice No. :I9733113
P.O. Number :00195
Account :DOGN

CERTIFICATE OF ANALYSIS A9733113

SAMPLE	PREP CODE		Au ppm FA+AA	Ag ppm	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Pb ppm	Zn ppm	Cu ppm	Al %	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm
OD8-78	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-79	205	273	< 0.005	< 0.2	56	12	< 2	< 1	< 10	2	74	55	1.84	30	< 0.5	4.60	< 0.5	33	178	5.43	< 10
OD8-80	205	273	0.050	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-80A	214	--	0.580	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-81	205	273	0.025	< 0.2	36	8	< 2	< 1	< 10	18	122	80	0.33	10	< 0.5	0.92	< 0.5	30	46	5.83	< 10
OD8-82	205	273	0.015	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-83	205	273	0.010	< 0.2	46	88	< 2	< 1	< 10	12	102	56	0.43	20	< 0.5	1.18	< 0.5	26	93	4.82	< 10
OD8-84	205	273	0.155	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-85	205	273	0.155	< 0.2	826	586	< 2	< 1	< 10	2	52	34	0.34	10	< 0.5	8.11	< 0.5	26	93	4.46	< 10
OD8-86	205	273	0.220	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-87	205	273	0.025	< 0.2	206	114	< 2	< 1	< 10	2	64	42	0.37	10	< 0.5	5.87	< 0.5	33	96	5.64	< 10
OD8-88	205	273	0.040	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-89	205	273	0.025	< 0.2	148	88	< 2	< 1	< 10	16	104	81	0.15	20	< 0.5	4.40	< 0.5	41	64	6.44	< 10
OD8-90	205	273	0.025	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-91	205	273	0.010	< 0.2	108	72	< 2	< 1	< 10	14	68	48	0.32	20	< 0.5	5.58	< 0.5	24	70	4.07	< 10
OD8-92	205	273	0.015	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-93	205	273	0.015	< 0.2	240	42	< 2	< 1	< 10	24	56	42	0.22	10	< 0.5	8.69	< 0.5	12	51	3.06	< 10
OD8-94	205	273	0.030	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-95	205	273	0.020	< 0.2	198	28	< 2	< 1	< 10	8	66	46	1.88	60	< 0.5	5.19	< 0.5	29	161	4.97	< 10
OD8-96	205	273	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: Hart Bichler

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Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :3-B
Total Pages :3
Certificate Date: 29-JUL-97
Invoice No. :I9733113
P.O. Number :00195
Account :DOGN

CERTIFICATE OF ANALYSIS A9733113

SAMPLE	PREP CODE		Hg ppm	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
OD8-78	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-79	205	273	< 1	0.06	< 10	3.64	1385	< 0.01	108	300	16	189	< 0.01	< 10	< 10	85
OD8-80	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-80A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-81	205	273	< 1	0.11	10	1.46	1320	0.01	74	230	5	65	< 0.01	< 10	< 10	13
OD8-82	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-83	205	273	< 1	0.18	10	1.41	915	0.01	75	210	4	79	< 0.01	< 10	< 10	11
OD8-84	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-85	205	273	< 1	0.04	< 10	4.43	1170	< 0.01	116	100	14	415	< 0.01	< 10	< 10	46
OD8-86	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-87	205	273	< 1	0.05	< 10	3.70	1075	< 0.01	154	220	16	265	< 0.01	< 10	< 10	58
OD8-88	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-89	205	273	< 1	0.04	< 10	3.38	950	< 0.01	197	220	7	288	< 0.01	< 10	< 10	29
OD8-90	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-91	205	273	< 1	0.07	< 10	3.50	1605	< 0.01	98	840	6	208	< 0.01	< 10	< 10	25
OD8-92	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-93	205	273	< 1	0.05	< 10	4.70	1570	< 0.01	29	540	4	416	< 0.01	< 10	< 10	22
OD8-94	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD8-95	205	273	< 1	0.15	< 10	3.09	950	0.01	122	220	12	266	0.01	< 10	< 10	57
OD8-96	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: Stuart Bichler

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Project : ERGP 1920-OD9
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

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CERTIFICATE OF ANALYSIS A9733469

SAMPLE	PREP CODE		Au ppm FA+AA	Ag ppm	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Pb ppm	Zn ppm	Cu ppm	Al %	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm
OD9-01	205	273	< 0.005	< 0.2	64	2	< 2	< 1	< 10	12	228	70	0.46	30	< 0.5	0.10	< 0.5	27	123	4.59	< 10
OD9-02	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-03	205	273	0.060	< 0.2	852	< 2	< 2	< 1	< 10	8	134	60	1.55	30	< 0.5	0.07	< 0.5	19	79	5.08	< 10
OD9-04	205	273	1.230	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-05	205	273	< 0.005	< 0.2	86	< 2	< 2	< 1	< 10	6	88	31	1.12	30	< 0.5	0.05	< 0.5	19	142	3.41	< 10
OD9-06	205	273	0.020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-07	205	273	< 0.005	< 0.2	18	< 2	< 2	< 1	< 10	12	72	40	0.81	30	< 0.5	0.19	< 0.5	13	132	3.01	< 10
OD9-08	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-09	205	273	< 0.005	< 0.2	12	2	< 2	< 1	< 10	16	68	17	0.54	40	< 0.5	0.25	< 0.5	6	146	1.59	< 10
OD9-10	205	273	0.020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-11	205	273	< 0.005	< 0.2	66	8	< 2	< 1	< 10	10	46	23	0.56	50	< 0.5	0.11	< 0.5	10	154	2.28	< 10
OD9-12	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-13	205	273	0.030	< 0.2	68	8	< 2	< 1	< 10	8	94	29	0.56	40	< 0.5	0.09	< 0.5	14	136	3.48	< 10
OD9-14	205	273	0.040	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-15	205	273	0.210	0.2	660	12	< 2	< 1	< 10	10	60	25	0.48	50	< 0.5	0.05	< 0.5	12	130	2.77	< 10
OD9-16	205	273	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-17	205	273	0.820	< 0.2	524	6	< 2	< 1	< 10	14	96	46	0.34	40	< 0.5	0.03	< 0.5	14	98	3.68	< 10
OD9-18	205	273	0.635	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-19	205	273	0.525	< 0.2	>10000	16	< 2	< 1	< 10	12	50	19	0.36	40	< 0.5	0.05	< 0.5	14	117	4.06	< 10
OD9-20	205	273	0.145	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-20A	214	--	0.225	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-21	205	273	0.040	< 0.2	246	14	2	< 1	< 10	70	28	8	0.58	50	0.5	0.05	< 0.5	< 1	69	0.75	< 10
OD9-22	205	273	0.130	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-23	205	273	0.130	< 0.2	298	18	< 2	< 1	< 10	70	26	9	0.49	50	0.5	0.05	< 0.5	< 1	94	0.55	< 10
OD9-24	205	273	0.035	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-25	205	273	0.015	< 0.2	178	28	< 2	< 1	< 10	76	64	6	0.67	50	0.5	0.28	< 0.5	< 1	160	0.86	< 10
OD9-26	205	273	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-27	205	273	0.010	< 0.2	152	26	< 2	< 1	< 10	78	54	6	0.69	50	0.5	0.47	< 0.5	< 1	131	0.82	< 10
OD9-28	205	273	0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-29	205	273	0.005	< 0.2	56	24	< 2	< 1	< 10	78	52	7	0.53	40	< 0.5	1.14	< 0.5	< 1	125	0.73	< 10
OD9-30	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-31	205	273	0.025	< 0.2	306	66	< 2	< 1	< 10	54	108	17	0.58	100	0.5	0.09	0.5	< 1	131	0.69	< 10
OD9-32	205	273	0.015	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-33	205	273	0.015	< 0.2	138	20	< 2	< 1	< 10	56	32	7	0.49	20	< 0.5	0.05	< 0.5	< 1	126	0.58	< 10
OD9-34	205	273	0.020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-35	205	273	0.010	< 0.2	50	28	< 2	< 1	< 10	82	6	5	0.50	20	< 0.5	0.04	< 0.5	< 1	108	0.38	< 10
OD9-36	205	273	0.015	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-37	205	273	0.005	< 0.2	42	22	< 2	< 1	< 10	82	6	5	0.51	30	< 0.5	0.06	< 0.5	< 1	101	0.50	< 10
OD9-38	205	273	0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-39	205	273	0.015	< 0.2	56	22	< 2	< 1	< 10	48	6	4	0.54	20	< 0.5	0.04	< 0.5	< 1	132	0.39	< 10

CERTIFICATION: Ivan Buchler

OD-9

LOGGED BY: D. Butherus

DATE: 20 Jul 97

ALL PREFIX OD9 -

SUMMARY: 0-109' QMS, limonitic, Q±F vns increasing twd bottom. 109-344' fg felsic intrusive, limonitic, argillic/sericitic alteration, ± bleachings, 150-240' tr py. 344-470' QMS, some bleached ± sericitic alteration?, Q±F vns, dissem py±po, 440-465' dissem aspy + some aspy along vein margins.

PROJECT: OLD DOG — 7W X 20N

HOLE NO.: OD-9 — DRILL TYPE: RC

E. COORD.: 462587.65 — N. COORD: 7210089.65

ELEV.: 1410' — TOTAL DEPTH: 470'

BEARING: — — INCLINATION: -90

PAGE 1 OF 7

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo
01	<	<	64	2	<	<
02	<					
03	0.06	<	852	<	<	<
04	1.23					
05	<	<	86	<	<	<
06	0.02					
07	<	<	18	<	<	<
08	<					
09	<	<	12	2	<	<
10	0.02					
11	<	<	66	8	<	<
12	<					
13	0.03	<	68	8	<	<

DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION: PERV. SIL.	VNLT. SIL.	Arg	Blch	Ser				OXIDES: HEM	Lim (HAR)	GOE	SULFIDES: PY				COMMENTS
				Tr Wk Mod Str	Tr Wk Mod Str	Tr Wk Mod Str	Tr Wk Mod Str	Tr Wk Mod Str	Tr Wk Mod Str	Tr Wk Mod Str	Tr Wk Mod Str	Tr Wk Mod Str	Tr Wk Mod Str	Tr Wk Mod Str	<1% 1-3% 3-5% >5%				
0	OB																		brownish to gry, abund meta Q (4 FeOx QMS
5	OB QMS																		as above
10	QMS																		brnish gry, abund meta Q (50%) tr str FeOx
15																			brnish grey, mod FeOx, some lim fra
20	QMS																		v minor meta Q
25	QMS	QF vn																	gry, wk FeOx QF vns, lim
30	QMS	QF vn																	lim at top QF vns, lim
35	QMS																		brnish-gry, wk FeOx
40	QMS																		brnish-gry, wk FeOx QF vn, lim, some meta Q minor Qzt
45	QMS																		brnish-gry, wk FeOx minor Qzt
50	QMS																		brnish-gry, wk FeOx minor Qzt
55	QMS																		brnish-gry, wk FeOx some Qzt gry Qzt bottom
60	QMS																		gry Qzt top brnish gry, wk FeOx some F
65	QMS																		brnish-gry, wk FeOx less FeOx at bottom. QF vn
70	QMS																		brnish-gry, wk FeOx
75	QMS																		brnish-gry, wk FeOx more F

OD-9

LOGGED BY: D. Butherus
DATE 20 Jul 97
ALL PREFIX OD9-

SUMMARY:

PROJECT OLD DOG
HOLE NO. OD-9
E. COORD.
ELEV.
BEARING
DRILL TYPE RC
N. COORD
TOTAL DEPTH 470'
INCLINATION -90
PAGE 2 OF 7

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION PERV. SIL	VNLT. SIL	Arg	plch	Ser			OXIDES HEM	LIM GOE	SULFIDES PY	COMMENTS
14	0.04						75	QMS													brnish-gry, wk FeOx QF vn
15	0.21	0.2	660	12	<	<	80	QMS	Fault												gry clay gouge limonitic. some brn QF vns, lim
16	0.01						85	QMS													QF vns, lim
17	0.82	<	524	6	<	<	90	QMS													brnish-gry to gry QF vns, lim
18	0.64						95	QMS													abund QF vnst lim
19	0.53	<	>10,000	16	<	<	100	QMS													abund QF vns + lim, some mafic top half brnish-gry Qzt
20	0.15						105	QMS	contact												brnish-gry Qzt, lim QF vns, lim
21	0.04	<	246	14	2	<	110	FEL													fg felsic intrusive, str lim at t lt gry
22	0.13						115	FEL													FeOx tr lim after py
23	0.13	<	298	18	<	<	120	FEL													FeOx tr lim after py
24	0.04						125	FEL													less FeOx some MnOx?
25	0.02	<	178	28	<	<	130	FEL	qz vn												Qvnlts? MnOx? or bio? specks, dissem
26	0.01						135	FEL													dissem MnOx? some fine coating
27	0.01	<	152	26	<	<	140	FEL													as above
28	0.01						145	FEL													incr MnOx? bio?
							150	FEL													

OD-9

LOGGED BY: D. Butherus

DATE: 20 Jul 97

ALL PREFIX OD 9-

SUMMARY:

PROJECT OLD DOG
HOLE NO. OD-9 DRILL TYPE RC
E. COORD. N. COORD
ELEV. TOTAL DEPTH 470'
BEARING INCLINATION -90
PAGE 3 OF 7

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION PERV SIL	VNLT SIL	Arg	Blch	Ser			OXIDES HEM	LIM/JAR	GOE	SULFIDES PY			COMMENTS
29	0.01	<	56	24	<	<	150																	
30	<						155	FEL																foggy, dissem strong FeOx/MnOx speck dissem limonitic py blebs lost FeOx in middle
31	0.03	<	306	66	<	<	160	FEL																dissem py blebs, some alt to lim
32	0.02						165	FEL	Fault															incr FeOx 1ft brn clay gouge dissem py, most alt to lim
33	0.02	<	138	20	<	<	170	FEL																tr dissem py, most alt to lim
34	0.02						175	FEL	Qvnlt															decr FeOx dissem small (1mm) lim voids after py Qvnlt
35	0.01	<	50	28	<	<	180	FEL																lim on some frac
36	0.02						185	FEL																lim on some frac dissem py + lim voids after py
37	0.01	<	42	22	<	<	190	FEL	Qvn															lim on some frac, top part Qvn tr py
38	0.01						195	FEL																lim on some frac, incr tod bolto
39	0.02	<	56	22	<	<	200	FEL																lim on some frac, some perv FeO tr py
40	0.01						205	FEL																lim frac, middle tr py
41	0.01	<	78	24	<	<	210	FEL																tr py some perv FeOx + lim frac, at bottom
42	<						215	FEL																lim on most fracs, slt perv FeOx tr py
43	<	<	26	12	<	<	220	FEL																decr lim tr py
							225	FEL																few lim frac tr py

OD-9

LOGGED BY: D. Buthcrus
DATE: 20 Jul 97

SUMMARY:

PROJECT: OLD DOG
HOLE NO.: OD-9
E. COORD.:
ELEV.:
BEARING:
DRILL TYPE: RC
N. COORD:
TOTAL DEPTH: 470'
INCLINATION: -90
PAGE: 4 OF 7

ALL PREFIX OD9-

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION PERV. SIL	VNLT. SIL	Atg	Blch	Ser	OXIDES HEM	Lim JAR	GOE	SULFIDES PY	COMMENTS
44	<						225												?	
							230	FEL												gry fg felsic intrusive tr py "one speck"
45	0.06	<	76	20	<	<	235	FEL												lim on frac abund lim, perv FeOx lower half
46	0.04						240	FEL	Fvalt										?	lim frac, some perv FeOx, tr hem arg alt F vnlts, tr lim after py
47	0.04	<	38	16	<	<	245	SEL	Fvalt Avn											as above, more arg I cuked @ prism ½" across decr lim at bottom
48	0.01						250	FEL												lim frac, perv FeOx, bottom half
49	0.02	<	64	16	<	<	255	FEL	Fvn											lim frac, perv FeOx arg Fvns?
50	0.01						260	FEL												lim frac, perv FeOx
51	0.01	<	136	20	<	<	265	FEL												lim frac, perv FeOx a few grains lim after py?
52	0.06						270	FEL												incr perv FeOx a few grains lim after py?
53	0.01	<	46	10	<	<	275	FEL												lim frac, perv FeOx a few lim ± hem voids after py
54	0.01						280	FEL												lim ± hem frac, perv FeOx a few ± hem voids after py
55	<	<	28	6	<	<	285	FEL												as above, a bit more hem, some py decr FeOx twd bottom
56	<						290	FEL												incr lim, perv FeOx decr lim at bottom
57	<	<	58	12	<	<	295	FEL												some lim frac, perv FeOx a few limonitic disseminated py grains <1mm
58	<						300	FEL												lim frac decr perv FeOx some MnOx

Return to Rio

J.L. DARLING CO.

OD-9

LOGGED BY: D. Butheaus
DATE 20 Jul 97
ALL PREFIX OD9-

SUMMARY:

PROJECT OLD DOG
HOLE NO. OD-9 DRILL TYPE RC
E. COORD. N. COORD
ELEV. TOTAL DEPTH 470'
BEARING INCLINATION -90
PAGE 5 OF 7

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo
59	<	<	34	6	<	<
60	<					
61	0.02	<	84	14	<	<
62	0.03					
63	0.03	<	208	16	<	<
64	0.01					
65	0.01	<	194	40	<	<
66	0.06					
67	0.11	<	278	42	<	1
68	<					
69	0.02	<	70	72	<	<
70	<					
71	0.14	<	210	30	<	<
72	0.45					
73	0.02	<	134	32	<	<

DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION: PERV SIL	VNLT SIL	Arg	Bleach	Ser	OXIDES: HEM	Lim/JAR	GOE	SULFIDES: PY %	COMMENTS
300													
305	FEL												grey fg felsic intrusive a few lim ± MnOx frac, wk FeOX
310	FEL												as above, a bit more FeOx
315	FEL	Fvnlt											as above incr FeOx at bottom a few grains py. one arg Fvnlt + py
320	FEL												lim frac, perv FeOx vfg lim after
325	FEL												as above, less lim and FeOx
330	FEL												as above, incr MnOx
335	FEL	Fault Qvnlt											wk perv FeOx, str MnOx ± lim on fra sticks, one Qvnlt decr FeOx at bottom
340	FEL												lt brnish-gry, lim on frac, perv FeO some MnOx
345	FEL/QMS	contact											as above gry sch, FeOx
350	QMS												brnish gry to gry, FeOx
355	QMS	Qvnlt											dk gry, FeOx on frac, slt hem Qvnlt dk gry, graphitic lower 1/3
360	QMS	Qvnlt											gry, wk FeOx some Q±t lower half more graphitic, Qvnlt
365	QMS	Q±F vns											gry to dk gry, some graphitic Q±F vns ± fg py, lower half
370	QMS	Q±F vns											as above Q±F vns
375	QMS	Qvnlts					?	?					dk gry, lim on some frac, some Q hairline Qvnlts in several directions to py some graphitic

JL BARLOW

OD-9

LOGGED BY: D. Butherus

DATE: 20 Jul 97

SUMMARY:

PROJECT: OLD DOG
HOLE NO.: OD-9 DRILL TYPE: RC
E. COORD.: N. COORD:
ELEV.: TOTAL DEPTH: 470'
BEARING: INCLINATION: -90
PAGE 6 OF 7

ALL PREFIX OD 9-

SAMPLE NUMBER	ANALYTICAL RESULTS						DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION							OXIDES			SULFIDES			COMMENTS
	Au	Ag	As	Sb	Bi	Mo					PERV. SIL.	VNLT. SIL.	Arg	Blch	Ser			HEM	Lim	GOE	PY	aspy	po	
											FEW MOD STR	FEW MOD STR	FEW MOD STR	FEW MOD STR	FEW MOD STR	FEW MOD STR	FEW MOD STR	FEW MOD STR	FEW MOD STR	FEW MOD STR	% 0 5 10 20			
							375																	
74	0.01						380	QMS	QtF vns					?	?									gry to dk gry, lim on some frac, som graph. tr py, tr aspy more lim frac, QtF vns at bottom ha
75	0.03	<	144	16	<	<	385	QMS	QtF vns					?	?									brnish-gry to gry some QtF vns, lim on some frac, tr py. meta Q-tons?
76	0.03						390	QMS	Q vnlt					?	?									gry Qzt, scat grains(<1mm) py a few hairline Q vnlts ± py v minor graphitic sch
77	0.05	<	190	6	<	<	395	QMS	QF vnlt					?	?									gry Qzt, some lim frac, vfg dissem py wk min specks, tour? perv FeOx along some frac, bottom FeOx, QF vnlts
78	0.04						400	QMS	QtF vns															dk gry, lim frac, Q±F vn ± py graphitic some Qzt fg dissem py at bottom
79	0.01	<	96	8	<	<	405	QMS	Q vnlt Q vnlt					?	?									dk gry, graphitic, rare py, hairline Q vn lim frac, perv FeOx near frac, vfg disse py. Qzt at bottom, gry
80	<						410	QMS	QF vnlt py vnlt					?	?									gry to dk gry, sparse vfg dissem py, some lim frac, hairline QF vnlts ± py, pyrite along frac, tour. some Qzt. tr chl
81	0.01	<	22	10	<	<	415	QMS																gry, some lim frac, perv FeOx, rare vfg dissem py, tr tour, tr chl darker gry ±F ± dk Q eyes, rare dissem py blebs some Qzt s/t graph
82	<						420	QMS																gry. perv FeOx along some frac. some dk Q eyes. rare dissem py blebs
83	<	<	10	2	<	<	425	QMS	QtF vnlt															dk gry, graphitic. QtF vnlts. hairline Q vnlts, rare dissem py
84	<						430	QMS	Q vnlt												?			dk gry, graphitic v rare. hairline Q vnlt fg dissem po blebs tod bottom
85	0.10	<	220	10	<	<	435	QMS	QtF vnlt															gry to dk gry, some slightly chl, dissem po blebs. rare QtF vnlt. abund Qzt
86	0.04						440	QMS	QtF vnlts															gry Qzt, tr chl, fg pale pink garnet, rare more graph in middle FeOx in frac + perv. QtF vnlts at bo tr py
87	0.01	<	156	2	<	<	445	QMS	QF vnlt w/ Fe vnlt															gry, some Qzt. a few vfg pink garnets, tr QF vnlt w/ser alt. QF vnlt w/ blebs of aspy. FeOx at bottom
88	0.18						450	QMS	Q vnlt															gry, some pink garnet, FeOx on frac (tr py. hairline Q vnlt, one with py lens mostly Qzt

21 Jul 97 | 20 Jul 97 ← H2O

OD - 9

LOGGED BY: D. Butherus

DATE 21 Jul 97

ALL PREFIX OD9 -

SUMMARY:

PROJECT OLD DOG
HOLE NO. OD-9 **DRILL TYPE** RC
E. COORD. **N. COORD**
ELEV. **TOTAL DEPTH** 470'
BEARING **INCLINATION** -90
PAGE 7 **OF** 7

SAMPLE NUMBER	Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION: PERV. SIL	VNLT. SIL	Arg	Blch	Ser	OXIDES: HEM	Lim	GOE	SULFIDES: PY	aspy	po	COMMENTS
							450															
89	0.02	<	1095	8	<	<	455	QMS	QF vn													dk gry, graphitic, dk Q eyes, tour gry Qzt, dissem py, QF vns + py + seralt dissem aspy. graph twd bottom
90	0.06						460	QMS	F±Q vns													dk gry, graphitic, F±Q vns ± py, aspy along margins.
91	<	<	42	6	<	<	465	QMS	F±Q vns					?						?		dk gry graphitic F±Q vns bottom 2/3 lt gry Qzt w/ 1% dissem py blebs. tour. tr aspy? slt FeOx on some
92	<						470	QMS	Q±Fs vns Fvalts													dk gry graph, Q±F vns? top 1/4 gry Qzt, dissem py to 1%, pink F vnlts. dk gry, graph, dissem po.
EOH	470'																					

Rite in the Rain J.L. DARLING CORP

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers

994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920-OD9
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :1-B
Total Pages :3
Certificate Date: 31-JUL-97
Invoice No. :19733469
P.O. Number :00196
Account :DOGN

CERTIFICATE OF ANALYSIS A9733469

SAMPLE	PREP CODE	Hg ppm	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
OD9-01	205 273	< 1	0.12	50	0.06	765	0.01	60	490	3	11	< 0.01	< 10	< 10	7
OD9-02	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-03	205 273	< 1	0.13	50	0.60	410	0.01	45	420	3	14	< 0.01	< 10	< 10	10
OD9-04	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-05	205 273	< 1	0.12	40	0.37	720	0.01	41	200	2	9	< 0.01	< 10	< 10	8
OD9-06	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-07	205 273	< 1	0.14	30	0.25	475	0.01	29	170	1	14	< 0.01	< 10	< 10	7
OD9-08	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-09	205 273	< 1	0.15	20	0.13	195	0.01	15	150	< 1	19	< 0.01	< 10	< 10	4
OD9-10	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-11	205 273	< 1	0.17	30	0.07	330	0.01	22	430	1	13	< 0.01	< 10	< 10	5
OD9-12	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-13	205 273	< 1	0.19	50	0.18	485	0.02	35	330	1	12	< 0.01	< 10	< 10	6
OD9-14	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-15	205 273	< 1	0.20	30	0.05	550	0.01	29	140	1	35	< 0.01	< 10	< 10	4
OD9-16	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-17	205 273	< 1	0.15	30	0.02	345	0.01	30	200	1	13	< 0.01	< 10	< 10	4
OD9-18	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-19	205 273	< 1	0.16	20	0.03	540	< 0.01	26	120	1	35	< 0.01	< 10	< 10	4
OD9-20	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-20A	214 --	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-21	205 273	< 1	0.33	10	0.03	30	< 0.01	1	40	< 1	12	< 0.01	< 10	< 10	< 1
OD9-22	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-23	205 273	< 1	0.31	10	0.01	70	< 0.01	1	50	< 1	6	< 0.01	< 10	< 10	< 1
OD9-24	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-25	205 273	< 1	0.35	10	0.04	380	< 0.01	3	60	< 1	19	< 0.01	< 10	< 10	< 1
OD9-26	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-27	205 273	< 1	0.33	10	0.05	410	< 0.01	2	70	< 1	24	< 0.01	< 10	< 10	< 1
OD9-28	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-29	205 273	< 1	0.34	< 10	0.01	255	< 0.01	2	50	< 1	91	< 0.01	< 10	< 10	< 1
OD9-30	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-31	205 273	< 1	0.31	10	0.02	620	< 0.01	2	80	< 1	15	< 0.01	< 10	< 10	< 1
OD9-32	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-33	205 273	< 1	0.26	< 10	0.02	20	< 0.01	1	30	< 1	18	< 0.01	< 10	< 10	< 1
OD9-34	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-35	205 273	< 1	0.27	< 10	0.01	10	< 0.01	1	10	< 1	16	< 0.01	< 10	< 10	< 1
OD9-36	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-37	205 273	< 1	0.27	< 10	0.04	15	< 0.01	2	40	< 1	34	< 0.01	< 10	< 10	< 1
OD9-38	205 273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-39	205 273	< 1	0.27	< 10	0.02	15	< 0.01	1	30	< 1	18	< 0.01	< 10	< 10	< 1

CERTIFICATION: Hart Bechler

Chemex Labs, Inc.
Analytical Chemists * Geochemists * Registered Assayers
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1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920-OD9
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

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CERTIFICATE OF ANALYSIS A9733469

SAMPLE	PREP CODE		Au ppm FA+AA	Ag ppm	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Pb ppm	Zn ppm	Cu ppm	Al %	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm
OD9-40	205	273	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-40A	214	--	0.565	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-41	205	273	0.005	< 0.2	78	24	< 2	< 1	< 10	84	16	4	0.52	20	< 0.5	0.04	< 0.5	< 1	98	0.54	< 10
OD9-42	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-43	205	273	< 0.005	< 0.2	26	12	< 2	< 1	< 10	74	6	3	0.51	20	< 0.5	0.02	< 0.5	< 1	106	0.37	< 10
OD9-44	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-45	205	273	0.060	< 0.2	76	30	< 2	< 1	< 10	84	16	4	0.53	10	< 0.5	0.01	< 0.5	< 1	138	0.90	< 10
OD9-46	205	273	0.040	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-47	205	273	0.040	< 0.2	38	16	< 2	< 1	< 10	76	4	3	0.58	20	< 0.5	0.01	< 0.5	< 1	152	0.67	< 10
OD9-48	205	273	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-49	205	273	0.015	< 0.2	64	16	< 2	< 1	< 10	116	22	4	0.50	20	< 0.5	0.02	< 0.5	< 1	132	0.72	< 10
OD9-50	205	273	0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-51	205	273	0.010	< 0.2	136	20	< 2	< 1	< 10	76	12	4	0.48	20	< 0.5	0.02	< 0.5	< 1	146	0.99	< 10
OD9-52	205	273	0.055	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-53	205	273	0.005	< 0.2	46	10	< 2	< 1	< 10	68	18	4	0.53	20	< 0.5	0.03	< 0.5	< 1	131	0.58	< 10
OD9-54	205	273	0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-55	205	273	< 0.005	< 0.2	28	6	< 2	< 1	< 10	54	8	4	0.52	20	< 0.5	0.04	< 0.5	< 1	151	0.61	< 10
OD9-56	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-57	205	273	< 0.005	< 0.2	58	12	< 2	< 1	< 10	74	40	4	0.61	10	0.5	0.06	< 0.5	< 1	106	0.51	< 10
OD9-58	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-59	205	273	< 0.005	< 0.2	34	6	< 2	< 1	< 10	100	46	3	0.65	30	0.5	0.05	< 0.5	< 1	167	0.52	< 10
OD9-60	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-60A	214	--	0.110	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-61	205	273	0.015	< 0.2	84	14	< 2	< 1	< 10	84	44	3	0.61	20	0.5	0.04	< 0.5	< 1	102	0.50	< 10
OD9-62	205	273	0.030	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-63	205	273	0.030	< 0.2	208	16	< 2	< 1	< 10	64	32	4	0.56	10	0.5	0.06	< 0.5	< 1	109	0.48	< 10
OD9-64	205	273	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-65	205	273	0.010	< 0.2	194	40	< 2	< 1	< 10	74	82	12	0.62	50	0.5	0.08	< 0.5	< 1	86	0.52	< 10
OD9-66	205	273	0.055	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-67	205	273	0.110	< 0.2	278	42	< 2	1	< 10	46	100	12	0.50	100	0.5	0.11	< 0.5	4	62	1.35	< 10
OD9-68	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-69	205	273	0.020	< 0.2	70	72	< 2	< 1	< 10	14	122	41	0.49	40	< 0.5	0.42	< 0.5	19	75	4.41	< 10
OD9-70	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-71	205	273	0.135	< 0.2	210	30	< 2	< 1	< 10	8	76	37	0.39	40	< 0.5	0.52	< 0.5	16	111	3.57	< 10
OD9-72	205	273	0.450	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-73	205	273	0.015	< 0.2	134	32	< 2	< 1	< 10	12	88	33	0.53	40	< 0.5	0.64	< 0.5	13	100	3.34	< 10
OD9-74	205	273	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-75	205	273	0.025	< 0.2	144	16	< 2	< 1	< 10	8	44	18	0.46	40	< 0.5	1.27	< 0.5	8	111	2.28	< 10
OD9-76	205	273	0.025	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-77	205	273	0.045	< 0.2	190	6	< 2	< 1	< 10	10	70	15	0.36	30	< 0.5	1.41	< 0.5	6	83	1.94	< 10

CERTIFICATION: Stuart Bichler

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers
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To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920-OD9
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

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CERTIFICATE OF ANALYSIS A9733469

SAMPLE	PREP CODE		Hg ppm	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
OD9-40	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-40A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-41	205	273	< 1	0.26	< 10	0.02	10	< 0.01	1	60	< 1	33	< 0.01	< 10	< 10	< 1
OD9-42	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-43	205	273	< 1	0.26	< 10	0.01	10	< 0.01	1	30	< 1	16	< 0.01	< 10	< 10	< 1
OD9-44	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-45	205	273	< 1	0.27	< 10	0.01	10	< 0.01	1	40	< 1	13	< 0.01	< 10	< 10	< 1
OD9-46	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-47	205	273	< 1	0.28	< 10	0.01	10	< 0.01	1	30	< 1	21	< 0.01	< 10	< 10	< 1
OD9-48	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-49	205	273	< 1	0.26	< 10	0.01	15	< 0.01	1	30	< 1	13	< 0.01	< 10	< 10	< 1
OD9-50	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-51	205	273	< 1	0.24	< 10	0.01	15	< 0.01	1	30	< 1	14	< 0.01	< 10	< 10	< 1
OD9-52	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-53	205	273	< 1	0.26	< 10	0.01	15	< 0.01	1	30	< 1	9	< 0.01	< 10	< 10	< 1
OD9-54	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-55	205	273	< 1	0.26	< 10	0.03	15	< 0.01	3	30	< 1	6	< 0.01	< 10	< 10	< 1
OD9-56	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-57	205	273	< 1	0.25	10	0.03	85	< 0.01	2	40	< 1	14	< 0.01	< 10	< 10	< 1
OD9-58	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-59	205	273	< 1	0.31	10	0.03	255	< 0.01	3	50	< 1	12	< 0.01	< 10	< 10	< 1
OD9-60	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-60A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-61	205	273	< 1	0.28	10	0.02	255	< 0.01	1	50	< 1	14	< 0.01	< 10	< 10	< 1
OD9-62	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-63	205	273	< 1	0.27	< 10	0.03	70	< 0.01	1	50	< 1	9	< 0.01	< 10	< 10	< 1
OD9-64	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-65	205	273	< 1	0.25	< 10	0.04	510	< 0.01	1	40	< 1	18	< 0.01	< 10	< 10	< 1
OD9-66	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-67	205	273	< 1	0.28	20	0.06	495	< 0.01	10	110	< 1	17	< 0.01	< 10	< 10	< 1
OD9-68	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-69	205	273	< 1	0.17	50	0.39	650	0.01	44	340	1	32	< 0.01	< 10	< 10	5
OD9-70	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-71	205	273	< 1	0.18	10	0.39	515	< 0.01	39	170	1	40	< 0.01	< 10	< 10	4
OD9-72	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-73	205	273	< 1	0.17	20	0.60	615	< 0.01	33	510	1	43	< 0.01	< 10	< 10	4
OD9-74	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-75	205	273	< 1	0.16	10	0.36	525	< 0.01	18	370	1	74	< 0.01	< 10	< 10	3
OD9-76	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-77	205	273	< 1	0.11	10	0.29	520	< 0.01	14	1110	1	81	< 0.01	< 10	< 10	3

CERTIFICATION: Stuart Buchler

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SPARKS, NEVADA
89431

Project : ERGP 1920-OD9
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SAMPLE	PREP CODE		Au ppm FA+AA	Ag ppm	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Pb ppm	Zn ppm	Cu ppm	Al %	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm
OD9-78	205	273	0.035	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-79	205	273	0.005	< 0.2	96	8	< 2	< 1	< 10	10	54	21	0.33	20	< 0.5	0.42	< 0.5	8	84	2.13	< 10
OD9-80	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-80A	214	--	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-81	205	273	0.010	< 0.2	22	10	< 2	< 1	< 10	10	56	14	0.74	30	< 0.5	0.44	< 0.5	8	106	1.80	< 10
OD9-82	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-83	205	273	< 0.005	< 0.2	10	2	< 2	< 1	< 10	2	68	28	1.29	40	< 0.5	0.46	< 0.5	15	106	3.07	< 10
OD9-84	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-85	205	273	0.100	< 0.2	220	10	< 2	< 1	< 10	6	82	29	1.02	40	< 0.5	0.60	< 0.5	14	94	3.46	< 10
OD9-86	205	273	0.035	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-87	205	273	0.010	< 0.2	156	2	< 2	< 1	< 10	8	24	15	0.27	30	< 0.5	0.62	< 0.5	6	120	1.40	< 10
OD9-88	205	273	0.180	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-89	205	273	0.020	< 0.2	1095	8	< 2	< 1	< 10	6	72	27	0.51	40	< 0.5	0.43	< 0.5	12	135	3.04	< 10
OD9-90	205	273	0.055	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-91	205	273	< 0.005	< 0.2	42	6	< 2	< 1	< 10	4	40	18	0.28	20	< 0.5	0.82	< 0.5	9	101	2.50	< 10
OD9-92	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

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SAMPLE	PREP CODE		Hg ppm	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
OD9-78	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-79	205	273	< 1	0.10	10	0.22	320	< 0.01	19	110	< 1	24	< 0.01	< 10	< 10	3
OD9-80	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-80A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-81	205	273	< 1	0.11	20	0.36	265	< 0.01	18	150	< 1	25	< 0.01	< 10	< 10	4
OD9-82	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-83	205	273	< 1	0.15	30	0.69	470	< 0.01	32	220	1	23	< 0.01	< 10	< 10	6
OD9-84	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-85	205	273	< 1	0.15	20	0.76	560	< 0.01	33	180	1	30	< 0.01	< 10	< 10	6
OD9-86	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-87	205	273	< 1	0.13	10	0.25	280	< 0.01	14	100	< 1	37	< 0.01	< 10	< 10	3
OD9-88	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-89	205	273	< 1	0.15	20	0.63	470	0.01	28	140	1	30	< 0.01	< 10	< 10	6
OD9-90	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD9-91	205	273	< 1	0.10	10	0.56	460	< 0.01	21	90	1	32	< 0.01	< 10	< 10	4
OD9-92	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

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SAMPLE	PREP CODE		Au ppm FA+AA	Ag ppm	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Pb ppm	Zn ppm	Cu ppm	Al %	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm
OD10-01	205	273	0.065	< 0.2	1360	46	< 2	< 1	< 10	14	114	37	0.58	50	0.5	0.11	< 0.5	17	94	3.72	< 10
OD10-02	205	273	0.020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-03	205	273	< 0.005	< 0.2	370	36	< 2	< 1	< 10	14	84	37	0.55	40	< 0.5	0.06	< 0.5	21	100	4.24	< 10
OD10-04	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-05	205	273	0.005	< 0.2	542	8	< 2	1	< 10	12	90	33	0.43	50	< 0.5	0.05	< 0.5	18	93	4.04	< 10
OD10-06	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-07	205	273	< 0.005	< 0.2	606	8	< 2	< 1	< 10	8	68	29	0.16	20	< 0.5	0.04	< 0.5	13	28	4.03	< 10
OD10-08	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-09	205	273	0.005	< 0.2	584	14	< 2	< 1	< 10	4	62	8	0.22	10	< 0.5	0.04	< 0.5	6	81	1.44	< 10
OD10-10	205	273	0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-11	205	273	< 0.005	< 0.2	362	10	< 2	< 1	< 10	12	56	24	0.44	40	< 0.5	0.07	< 0.5	12	109	3.29	< 10
OD10-12	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-13	205	273	0.005	< 0.2	486	18	< 2	< 1	< 10	12	126	39	0.38	40	< 0.5	0.06	< 0.5	17	96	3.96	< 10
OD10-14	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-15	205	273	< 0.005	< 0.2	430	24	< 2	< 1	< 10	10	42	17	0.45	50	< 0.5	0.03	< 0.5	10	139	2.62	< 10
OD10-16	205	273	0.015	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-17	205	273	0.060	< 0.2	1720	28	< 2	< 1	< 10	10	76	33	0.51	50	< 0.5	0.04	< 0.5	13	123	3.29	< 10
OD10-18	205	273	0.050	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-19	205	273	0.010	0.6	1185	12	< 2	< 1	< 10	292	68	53	0.47	50	< 0.5	0.04	< 0.5	12	99	3.30	< 10
OD10-20	205	273	0.015	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-20A	214	--	0.050	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-21	205	273	0.020	< 0.2	460	20	< 2	1	< 10	16	132	46	0.52	50	< 0.5	0.04	< 0.5	19	80	4.62	< 10
OD10-22	205	273	0.120	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-23	205	273	0.680	< 0.2	7850	36	< 2	< 1	< 10	14	62	43	0.45	50	< 0.5	0.01	< 0.5	9	97	3.34	< 10
OD10-24	205	273	0.965	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-25	205	273	0.125	< 0.2	392	18	< 2	< 1	< 10	14	18	2	0.35	50	< 0.5	< 0.01	< 0.5	< 1	77	0.25	< 10
OD10-26	205	273	0.280	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-27	205	273	0.175	< 0.2	1590	60	< 2	< 1	< 10	12	70	34	0.34	60	< 0.5	< 0.01	< 0.5	6	70	1.70	< 10
OD10-28	205	273	0.155	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-29	205	273	0.190	< 0.2	794	28	< 2	< 1	< 10	6	70	48	0.43	60	< 0.5	0.01	< 0.5	9	115	2.20	< 10
OD10-30	205	273	0.220	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-31	205	273	0.010	< 0.2	652	20	< 2	< 1	< 10	10	88	34	0.42	50	< 0.5	0.01	< 0.5	16	113	4.04	< 10
OD10-32	205	273	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-33	205	273	0.020	< 0.2	1025	40	< 2	< 1	< 10	52	224	51	0.43	40	< 0.5	< 0.01	< 0.5	12	139	3.32	< 10
OD10-34	205	273	0.165	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-35	205	273	0.045	< 0.2	330	6	< 2	< 1	< 10	16	24	6	0.32	50	< 0.5	< 0.01	< 0.5	1	133	0.92	< 10
OD10-36	205	273	0.020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-37	205	273	0.400	< 0.2	1480	118	< 2	< 1	< 10	34	62	8	0.40	50	< 0.5	0.01	< 0.5	2	136	1.63	< 10
OD10-38	205	273	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-39	205	273	< 0.005	< 0.2	546	12	< 2	< 1	< 10	14	36	9	0.39	40	< 0.5	0.02	< 0.5	9	127	2.18	< 10

CERTIFICATION: Stewart Buchler

OD-10

LOGGED BY: D. Butherus
DATE: 22 Jul 97
ALL PREFIX OD10-

SUMMARY: 0-247' QMS, limonitic, locally bleached ± argillized, Q ± F vns, rare tr py. 247-390' Greenstone, locally bleached and argillized, Q ± F ± calcite vns, trace dissem py, 275-280' tr aspy?

PROJECT: OLD DOG — 17 W X 10 N
HOLE NO.: OD-10 — DRILL TYPE: RC
E. COORD.: 462150.83 — N. COORD: 7210095.84
ELEV.: 1415' — TOTAL DEPTH: 390'
BEARING: — — INCLINATION: -90
PAGE 1 OF 6

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	B:	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION PERV SIL	VNLT SIL	Arg	Blch	Set			OXIDES HEM	Lim	GOE	SULFIDES PY	Aspy			COMMENTS
							0																		
							5	OB																	QMS + meta Q
							10	OB																	QMS
01	0.07	<	1360	46	<	<	15	QMS																	brnish-gry, lim on some frac Q ± F meta Q
02	0.02						20	QMS	QF vnlt																brnish-gry QF vnlt
03	<	<	370	36	<	<	25	QMS	QF vnlt																deer FeOx meta Q QF vnlt
04	<						30	QMS																	lim frac
05	0.01	<	542	8	<	1	35	QMS																	some meta Q, lim frac some Qzt
06	<						40	QMS																	incr Qzt, lim frac
07	<	<	606	8	<	<	45	QMS																	deer Qzt QF vnlt
08	<						50	QMS	Qvn?																minor meta Q abund Q at bottom, some vn?
09	0.01	<	584	14	<	<	55	QMS	Qvn																lim frac, MnOx frac. Q vns + Mn top half brnish Qzt bottom
10	0.01						60	QMS	QF vnlt																gry Qzt QF vnlts deer FeOx gry sch, hem specks
11	<	<	362	10	<	<	65	QMS																	some meta Q, lim frac some Qzt
12	<						70	QMS	QF vnlt																deer FeOx. gry Qzt QF vnlts sch + meta Q bottom
13	0.01	<	486	18	<	<	75	QMS	QF vnlt																reddish-gry, some hem top brnish-gry, lim frac QF vnlt bottom

OD-10

LOGGED BY: D. Butherus

DATE 22 Jul 97

ALL PREFIX OD10-

SUMMARY:

PROJECT OLD DOG
HOLE NO. OD-10 DRILL TYPE RC
E. COORD. N. COORD
ELEV. TOTAL DEPTH 390'
BEARING INCLINATION -90
PAGE 2 OF 6

SAMPLE NUMBER	ANALYTICAL RESULTS						DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION							OXIDES			SULFIDES			COMMENTS
	Au	Ag	As	Sb	Bi	Mo					PERV. SIL	VNLT. SIL	Arg	Blch	Ser			HEM	JAR	GOE	PY	aspy		
14	<						75	QMS	QFvnlt															brnish-gry, some lim frac QF ± lim vn
							80		QFvnlt															reddish-gry, some hem lower half QF vnlt
15	<	<	430	24	<	<	85	QMS																reddish gry tr hem at top brnish gry incr frac, lim frac incr Qzt
16	0.02						90	QMS	QFvnlt															mostly Qzt, lim frac QF vnlts
17	0.06	<	1720	28	<	<	95	QMS	Fault															str lim some clay gouge QF lim vnlts
18	0.05						100	QMS	Fault															10% QF ± lim, some clay, str lim to decr lim bottom
19	0.01	0.6	1185	12	<	<	105	QMS	QFvn															QF vnlts? + meta Q Some str lim some Qzt QF vnlts
20	0.02						110	QMS	QFvn															QF vns lim on frac decr lim at bottom
21	0.02	<	460	20	<	1	115	QMS	QFvn															str lim QF lim vns dk gry, graphitic decr FeOx
22	0.12						120	QMS	QFvn															dk gry, graphitic QF vnlt Some Qzt
23	0.68	<	7850	36	<	<	125	QMS	QFvn															QF vns incr lim, abund QF vn arg alt
24	0.97						130	QMS	QFvn															some lim. gry Qzt tr aspy bright red clay, hem.
25	0.13	<	392	18	<	<	135	QMS	Fault QFvn															gry clay gouge gry, graphitic tr py QF vns
26	0.28						140	QMS	Qz±F vn												?			gry Qzt arg tr sulf? Qz±F vn
27	0.18	<	1590	60	<	<	145	QMS	Qz±F vn												?			gry at top tr sulf? brnish-gry Qz±F vns, lim
28	0.16						150	QMS	QFvns															brnish-gry mostly Qzt Qz±Fvns + meta Q FeOx tr py

OD-10

LOGGED BY: D. Butherus	SUMMARY:	PROJECT: OLD DOG	
DATE: 22 Jul 97		HOLE NO.: OD-10	DRILL TYPE: RC
		E. COORD.:	N. COORD:
		ELEV.:	TOTAL DEPTH: 390'
		BEARING:	INCLINATION: -90
			PAGE 3 OF 6

ALL PREFIX OD10-

SAMPLE NUMBER	Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	COMMENTS
29	0.19	<	794	28	<	<	150–155	QMS	Fault	gry clay, gry arg Qzt + sulf? brnish-gry Qzt, perv FeOx, some frac. abund Q±F at bottom (50…
30	0.22						155–160	QMS	Q vnlt	brnish-gry lim on frac QF vnlts
31	0.01	<	652	20	<	<	160–165	QMS	QF vnlt	bruish-gry less FeOx QF vnlt + meta Q
32	0.01						165–170	QMS		brnish-gry FeOx QF vnlt
33	0.02	<	1025	40	<	<	170–175	QMS	QF vnlt	some arg. QF vnlt
34	0.17						175–180	QMS	Q vnlt	lt brnish-gry blch? lim fract meta Q Q vnlt
35	0.05	<	330	6	<	<	180–185	QMS	QF vnlt	lt brnish-gry blch? lim frac + pe… QF vnlt
36	0.02						185–190	QMS	Q vnlt	lt brnish-gry blch? lim frac + p… Q±F vnlt 20% meta Q bottom third
37	0.40	<	1480	118	<	<	190–195	QMS	Fault	gry clay gouge + lim Q + silicif Q vnlts tr sulf dk gry, graphitic at bottom
38	0.01						195–200	QMS	Q vnlt	gry to dk-gry, some graph Q vnlts + aspy in some incr FeOx, less graph at bottom
39	<	<	546	12	<	<	200–205	QMS	Q vnlt	brnish-gry, some graph Q vnlts
40	<						205–210	QMS	QF vnlt	brnish-gry, some graph QF vnlts
41	0.01	<	166	14	<	1	210–215	QMS	QF vnlt	lt gry at top brnish-gry perv FeOx QF vnlts gry Qzt, tr py at bottom
42	<						215–220	QMS	QF vnlt	brnish-gry (sl reddish) tr hem QF vnlt + sulf
43	0.01	<	350	2	<	<	220–225	QMS	QF vnlt	brnish-gry tr py QF vnlts dendritic MnOx

ALTERATION: PERV. SIL | VNLT. SIL | Arg | Blch | Ser — OXIDES: HEM | Lim | GOE — SULFIDES: PY | aspy

V. fast drill

12:10

12:25

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GM Data Report 306

OD-10

LOGGED BY: D. Butherus

DATE: 22 Jul 97

ALL PREFIX OD10 —

SUMMARY:

PROJECT: OLD DOG

HOLE NO.: OD-10

DRILL TYPE: RC

E. COORD.:

N. COORD:

ELEV.:

TOTAL DEPTH: 390'

BEARING:

INCLINATION: -90

SAMPLE NUMBER	Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	Blch	PY	aspy	COMMENTS
44	0.01						225–230	QMS	QFvnlt				brnish-gry, lim on some frac QF vnlts ± lim ± tr py. arkosic.
45	0.01	<	628	16	<	<	230–235	QMS	QFvnlt				brnish-gry, lim on some frac QF vnlt
46	0.07						235–240	QMS ark	Qvns				brnish-gry incr lim. arkosic. lower 1/3 str lim, 5% milky Q
47	<	<	194	100	<	<	240–245	QMS ark	QFvn QFvn	?			brn limonitic 10% milky Q±F incr QF vns arkose?
48	<						245–250	QMS / GST	contact FQvn / FQvn				brn limonitic FQ vns 3% ar… gry, blch? greenstone? tr py. blch. brn. lim. FQ vns. Contact loc not de…
49	<	<	76	<	<	<	250–255	GST	FQvn		?		brn. lim. FQ vns. blch (could be … gry. tr sulf?
50	<						255–260	GST	FQvn		?		gry to brn Gst, blch. FQ vns 3… Q vnlts, gry at bottom tr sulf? bladed min like barite in some vns
51	<	<	2	<	<	<	260–265	GST	calc± Qvnlt		?		gry to brnish-gry, perv FeOx tr sulf (py?). calc ± Qvnlt. slt greenish. slow drilling
52	<						265–270	GST	calc± Qvnlt QFvn				gry, slt greenish FeOx on some f… vfg dissem py. calc ± Q vnlts FeOx zone w 4% QF vns, near bot…
53	<	<	<	<	<	<	270–275	GST	calc± Qvnlt				grnish-gry some dark vitreous mi… calc±Qvnlt FeOx on a few frac. sparse dissem py. bio.
54	<						275–280	GST	calc± Qvnlt			?	grnish-gry. calc ± Qvnlt, a few grains a… dissem py. bio.
55	<	<	<	<	<	<	280–285	GST	calc± Q vnlt Q±F vnt				grnish-gry incr calc ± Q vnlts disse… lower half blch, perv FeOx tr py Q±F vns bio
56	<						285–290	GST					grnish-gry, blch, perv FeOx tr dissem py Q ± F vns hairline slk Q in places
57	<	<	222	44	<	<	290–295	GST	Fault Q±Fvn				brn clay gouge, str lim, Q±F vn… upper half grnish-gry, FeOx on some frac, tr disse… bio.
58	<						295–300	GST	calc± Qvnlt				grnish-gry, some FeOx frac. calc ± Q… clay contamination from previous … zone of stronger FeOx near bottom bio.

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OD-10

LOGGED BY: D. Butherus
DATE: 22 Jul 97
DRILL PREFIX OD10 –

SUMMARY:

PROJECT: OLD DOG
HOLE NO.: OD-10
DRILL TYPE: RC
E. COORD.:
N. COORD:
ELEV.:
TOTAL DEPTH: 390'
BEARING:
INCLINATION: -90
PAGE 5 OF 6

Time	Sample Number	Au	Ag	As	Sb	Bi	Mo	Depth	Rock Type	Alt.	Comments
3:00	59	<	<	12	<	<	<	300–305	GST	Q±F vnlts	grnish-gry, lim frac, some perv FeOx tr dissem py. Q±F ±lim vnlts. bio.
	60	<						305–310	GST	Q±F vnlts calcite vnlts	grnish-gry, a few lim frac. tr dissem py. Q±F vns. F selvage on some Q vns. bio. some $CaCO_3$ vns
	61	<	<	<	2	<	<	310–315	GST	Q±F vnlts	grnish-gry, Q±F vnlts, FeOx on a few frac. rare dissem py. bio.
	62	<						315–320	GST	stkwk calcite	grnish-gry, calcite vnlts (stkwk in places), dissem py in vns (rare) and in hostrk near margins. bio. rare dissem py
	63	<	<	<	<	<	<	320–325	GST	calcite vnlts	grnish-gry, calcite vnlts, Q±calcite vns tr dissem py. bio
	64	<						325–330	GST	calcite vnlts	grnish-gry, a few calcite vnlts. bio
4:00	65	<	<	76	<	<	<	330–335	GST	calcite ±Q vns	grnish-gry, slt blch + arg at top mod calcite ± Q vns middle to lower FeOx on few frac tr dissem py. bio
	66	<						335–340	GST	calcite ±Q vnlt Fault	grnish-gry, few calcite ± Q vnlts blch, perv FeOx, Q±calcite stkwk slt silicif. dissem py. gry clay. bio
	67	<	<	4	<	<	<	340–345	GST	calcite vnlt	grnish-gry, calcite vnlt (rare), tr py bio
4:25	68	<						345–350	GST	calcite vnlt Q vnlt	grnish-gry, calcite and Q vnlts, tr dissem py. bio
	69	<	<	<	2	<	<	350–355	GST	calcite vnlt	grnish-gry, slt arg, calcite vnlts tr py. bio.
	70	<						355–360	GST	calcite vnlts Frac	grnish-gry mod arg, blch, calcite vnlt tr py. bio. lim frac, perv FeOx lower 2/3
	71	<	<	14	6	<	<	360–365	GST	QF vns	st. lim top 1/4 grnish-gry, perv FeOx, QF vns. blch, slt arg, tr dissem py. bio
	72	<						365–370	GST	calcite vnlt Q vnlt	grnish-gry, calcite vnlts, Q vnlts, tr py some slt blch. bio
	73	<	<	2	8	<	<	370–375	GST	calcite vnlt	grnish-gry, some thin black layers (grapl) blch, slt arg in part, tr py, calcite vnlts bio

ALTERATION: PERV. SIL | VNLT. SIL | Arg | Blch | Ser | vnlt calc — OXIDES: HEM | Lim | GOE — SULFIDES: PY

Q±calcite stkwk (335–340)

[illegible] Data Repo 2006
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OD-10

LOGGED BY: D. Butherus
DATE 22 July 97
ALL PREFIX OD10 –

SUMMARY:

PROJECT OLD DOG
HOLE NO. OD-10 **DRILL TYPE** RC
E. COORD. **N. COORD**
ELEV. **TOTAL DEPTH** 390'
BEARING **INCLINATION** -90
PAGE 6 **OF** 6

SAMPLE NUMBER	Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	PERV. SIL	VNLT. SIL	Arg	Blch	Ser	vnlt calc		HEM	Lim	GOE	PY				COMMENTS
							375																		
74	<						380	GST	Q±F vns																lt grnish gry, lim, blch, arg Q±F vns, bxa lower part dk gry, graph, tr py, Q vnlt
75	<	<	2	2	<	<	385	GST	calcite vnlts Q vnlt																dk grnish-gry, graph, calcite vnlts, Q vnlts, rare dissem py. bio.
76	<						390	GST	calcite vnlts Q vnlt																dk grnish-gry, calcite vnlts. Q vnlts bio
EOH	390'																								

5:34

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Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers
994 Glendale Ave., Unit 3. Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :1-B
Total Pages :2
Certificate Date: 31-JUL-97
Invoice No. :19733613
P.O. Number :00197
Account :DOGN

CERTIFICATE OF ANALYSIS A9733613

SAMPLE	PREP CODE		Hg ppm	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
OD10-01	205	273	< 1	0.14	30	0.08	365	0.01	43	220	2	13	< 0.01	< 10	< 10	7
OD10-02	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-03	205	273	< 1	0.14	40	0.06	715	0.01	48	250	3	12	< 0.01	< 10	< 10	7
OD10-04	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-05	205	273	< 1	0.15	40	0.04	685	0.01	41	200	3	18	< 0.01	< 10	< 10	6
OD10-06	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-07	205	273	< 1	0.06	40	0.03	660	< 0.01	35	210	3	22	< 0.01	< 10	< 10	6
OD10-08	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-09	205	273	< 1	0.04	< 10	0.03	630	< 0.01	14	130	1	15	< 0.01	< 10	< 10	5
OD10-10	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-11	205	273	< 1	0.13	30	0.06	470	0.01	32	290	3	14	< 0.01	< 10	< 10	5
OD10-12	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-13	205	273	< 1	0.13	40	0.05	595	0.01	39	300	3	19	< 0.01	< 10	< 10	6
OD10-14	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-15	205	273	< 1	0.12	10	0.04	400	0.01	24	140	2	19	< 0.01	< 10	< 10	6
OD10-16	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-17	205	273	< 1	0.14	30	0.07	280	0.01	31	190	3	27	< 0.01	< 10	< 10	7
OD10-18	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-19	205	273	< 1	0.13	30	0.17	290	0.01	31	230	2	14	< 0.01	< 10	< 10	6
OD10-20	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-20A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-21	205	273	< 1	0.19	30	0.47	480	0.01	47	200	3	26	< 0.01	< 10	< 10	8
OD10-22	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-23	205	273	< 1	0.14	30	0.03	110	0.01	20	70	3	57	< 0.01	< 10	< 10	8
OD10-24	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-25	205	273	< 1	0.13	30	0.04	15	0.01	2	70	1	57	< 0.01	< 10	< 10	3
OD10-26	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-27	205	273	< 1	0.13	20	0.03	50	< 0.01	11	80	3	43	< 0.01	< 10	< 10	6
OD10-28	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-29	205	273	< 1	0.10	10	0.04	150	< 0.01	25	100	3	31	< 0.01	< 10	< 10	6
OD10-30	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-31	205	273	< 1	0.17	20	0.03	325	0.01	40	210	3	40	< 0.01	< 10	< 10	6
OD10-32	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-33	205	273	< 1	0.13	10	0.01	205	< 0.01	34	170	3	34	< 0.01	< 10	< 10	10
OD10-34	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-35	205	273	< 1	0.15	10	0.03	55	< 0.01	5	70	< 1	22	< 0.01	< 10	< 10	2
OD10-36	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-37	205	273	< 1	0.20	10	0.04	70	< 0.01	6	420	2	62	< 0.01	< 10	< 10	4
OD10-38	205	273	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-39	205	273	< 1	0.18	10	0.04	555	< 0.01	21	180	1	16	< 0.01	< 10	< 10	4

CERTIFICATION: Stuart Bichler

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers
994 Glendale Ave., Unit 3, Sparks
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To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

P. ...mber :2-A
Total Pages :2
Certificate Date: 31-JUL-97
Invoice No. :I9733613
P.O. Number :00197
Account :DOGN

CERTIFICATE OF ANALYSIS A9733613

SAMPLE	PREP CODE		Au ppm FA+AA	Ag ppm	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Pb ppm	Zn ppm	Cu ppm	Al %	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm
OD10-40	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-40A	214	--	0.565	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-41	205	273	0.005	< 0.2	166	14	< 2	1	< 10	20	80	18	0.40	50	< 0.5	0.40	< 0.5	11	86	2.74	< 10
OD10-42	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-43	205	273	0.005	< 0.2	350	2	< 2	< 1	< 10	18	24	6	0.30	40	< 0.5	0.34	< 0.5	4	112	1.14	< 10
OD10-44	205	273	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-45	205	273	0.005	< 0.2	628	16	< 2	< 1	< 10	10	44	23	0.29	40	< 0.5	0.64	< 0.5	7	85	2.05	< 10
OD10-46	205	273	0.065	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-47	205	273	< 0.005	< 0.2	194	100	< 2	< 1	< 10	16	116	18	0.74	30	< 0.5	4.94	1.5	32	127	6.38	< 10
OD10-48	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-49	205	273	< 0.005	< 0.2	76	< 2	< 2	< 1	< 10	20	134	55	2.93	30	< 0.5	5.45	0.5	36	215	5.72	10
OD10-50	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-51	205	273	< 0.005	< 0.2	2	< 2	< 2	< 1	< 10	< 2	76	44	2.71	50	< 0.5	3.75	0.5	33	215	4.83	10
OD10-52	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-53	205	273	< 0.005	< 0.2	< 2	< 2	< 2	< 1	< 10	2	76	44	2.95	60	< 0.5	2.33	0.5	28	201	4.25	10
OD10-54	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-55	205	273	< 0.005	< 0.2	< 2	< 2	< 2	< 1	< 10	< 2	68	47	2.61	110	< 0.5	3.14	0.5	28	184	4.23	10
OD10-56	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-57	205	273	< 0.005	< 0.2	222	44	< 2	< 1	< 10	4	146	52	1.13	50	< 0.5	6.67	1.5	34	133	5.65	< 10
OD10-58	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-59	205	273	< 0.005	< 0.2	12	< 2	< 2	< 1	< 10	< 2	84	39	2.72	140	< 0.5	2.60	0.5	28	190	4.10	10
OD10-60	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-60A	214	--	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-61	205	273	< 0.005	< 0.2	< 2	2	< 2	< 1	< 10	2	148	41	3.77	60	< 0.5	4.98	0.5	28	210	5.42	10
OD10-62	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-63	205	273	< 0.005	< 0.2	< 2	< 2	< 2	< 1	< 10	< 2	80	44	3.69	70	< 0.5	3.72	0.5	36	297	5.16	10
OD10-64	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-65	205	273	< 0.005	< 0.2	76	< 2	< 2	< 1	< 10	6	268	41	4.23	30	< 0.5	5.77	0.5	34	262	5.67	10
OD10-66	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-67	205	273	< 0.005	< 0.2	4	< 2	< 2	< 1	< 10	< 2	82	44	3.48	80	< 0.5	3.63	0.5	32	240	5.11	10
OD10-68	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-69	205	273	< 0.005	< 0.2	< 2	2	< 2	< 1	< 10	< 2	130	62	3.69	60	< 0.5	3.87	1.0	34	282	5.17	10
OD10-70	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-71	205	273	< 0.005	< 0.2	14	6	< 2	< 1	< 10	< 2	90	71	3.51	80	< 0.5	4.11	0.5	39	246	5.70	10
OD10-72	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-73	205	273	< 0.005	< 0.2	2	8	< 2	< 1	< 10	4	130	36	2.72	60	< 0.5	4.88	0.5	37	194	5.70	10
OD10-74	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD10-75	205	273	< 0.005	< 0.2	2	2	< 2	< 1	< 10	< 2	80	48	3.67	20	< 0.5	4.13	0.5	32	243	4.78	10
OD10-76	205	273	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: Stuart Buchler

Chemex Labs, Inc.

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1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

P. Number :2-B
Total Pages :2
Certificate Date: 31-JUL-97
Invoice No. :I9733613
P.O. Number :00197
Account :DOGN

CERTIFICATE OF ANALYSIS A9733613

SAMPLE	PREP CODE		Hg ppm	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
OD10-40	205	273														
OD10-40A	214	--														
OD10-41	205	273	< 1	0.20	10	0.37	385	< 0.01	24	130	2	30	< 0.01	< 10	< 10	6
OD10-42	205	273														
OD10-43	205	273	< 1	0.12	10	0.08	235	< 0.01	10	60	1	23	< 0.01	< 10	< 10	3
OD10-44	205	273														
OD10-45	205	273	< 1	0.18	30	0.21	355	< 0.01	19	220	1	31	< 0.01	< 10	< 10	4
OD10-46	205	273														
OD10-47	205	273	< 1	0.10	< 10	3.37	1200	< 0.01	142	650	13	240	< 0.01	< 10	< 10	53
OD10-48	205	273														
OD10-49	205	273	< 1	0.05	< 10	3.68	915	< 0.01	169	620	15	263	0.01	< 10	< 10	102
OD10-50	205	273														
OD10-51	205	273	< 1	0.10	< 10	3.60	785	0.01	163	410	13	193	0.04	< 10	< 10	72
OD10-52	205	273														
OD10-53	205	273	< 1	0.11	< 10	2.99	600	< 0.01	140	370	6	96	0.18	< 10	< 10	62
OD10-54	205	273														
OD10-55	205	273	< 1	0.25	< 10	2.87	600	< 0.01	141	350	7	161	0.15	< 10	< 10	61
OD10-56	205	273														
OD10-57	205	273	< 1	0.11	< 10	3.22	920	< 0.01	163	310	15	339	< 0.01	< 10	< 10	68
OD10-58	205	273														
OD10-59	205	273	< 1	0.17	< 10	2.69	545	< 0.01	138	360	6	121	0.27	< 10	< 10	60
OD10-60	205	273														
OD10-60A	214	--														
OD10-61	205	273	< 1	0.20	< 10	3.58	960	< 0.01	132	310	11	237	0.03	< 10	< 10	81
OD10-62	205	273														
OD10-63	205	273	< 1	0.08	< 10	4.38	795	< 0.01	204	370	10	189	0.05	< 10	< 10	76
OD10-64	205	273														
OD10-65	205	273	1	0.05	< 10	4.14	950	< 0.01	158	580	14	348	0.01	< 10	< 10	114
OD10-66	205	273														
OD10-67	205	273	< 1	0.15	< 10	3.70	800	< 0.01	153	390	11	194	0.15	< 10	< 10	90
OD10-68	205	273														
OD10-69	205	273	< 1	0.08	< 10	3.69	740	< 0.01	171	360	10	151	0.23	< 10	< 10	92
OD10-70	205	273														
OD10-71	205	273	< 1	0.15	< 10	3.48	865	< 0.01	163	400	12	177	0.10	< 10	< 10	90
OD10-72	205	273														
OD10-73	205	273	< 1	0.10	< 10	3.63	880	0.01	137	430	13	230	0.05	< 10	< 10	75
OD10-74	205	273														
OD10-75	205	273	< 1	0.01	< 10	3.66	740	< 0.01	140	240	9	192	0.20	< 10	< 10	91
OD10-76	205	273														

CERTIFICATION: Stuart Bichler

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Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :1-A
Total Pages :3
Certificate Date: 05-AUG-9
Invoice No. :I9734194
P.O. Number :00198
Account :DOGN

CERTIFICATE OF ANALYSIS A9734194

SAMPLE	PREP CODE		Au ppm FA+AA	Ag ppm	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Pb ppm	Zn ppm	Cu ppm	Al %	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm
OD11-01	205	276	0.030	< 0.2	412	12	< 2	< 1	< 10	8	144	48	1.28	60	< 0.5	0.07	< 0.5	17	176	3.61	< 10
OD11-02	205	276	0.090	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-03	205	276	0.045	< 0.2	432	6	< 2	< 1	< 10	12	120	32	1.26	70	0.5	0.11	0.5	24	182	3.06	< 10
OD11-04	205	276	0.060	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-05	205	276	0.025	< 0.2	254	12	< 2	< 1	< 10	8	118	28	0.78	80	< 0.5	0.05	< 0.5	13	199	2.74	< 10
OD11-06	205	276	0.025	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-07	205	276	0.035	< 0.2	236	10	< 2	< 1	< 10	14	148	29	1.51	120	0.5	0.08	< 0.5	22	167	4.15	< 10
OD11-08	205	276	0.170	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-09	205	276	0.115	< 0.2	342	6	< 2	< 1	< 10	10	196	47	1.78	80	0.5	0.07	0.5	19	95	3.10	< 10
OD11-10	205	276	0.530	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-11	205	276	0.205	< 0.2	672	10	< 2	< 1	< 10	12	122	69	1.06	130	1.0	0.07	< 0.5	18	78	4.07	< 10
OD11-12	205	276	0.050	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-13	205	276	0.015	< 0.2	212	10	< 2	< 1	< 10	10	144	28	0.65	90	0.5	0.03	< 0.5	12	147	2.65	< 10
OD11-14	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-15	205	276	0.250	< 0.2	130	12	< 2	< 1	< 10	8	106	49	0.58	110	0.5	0.08	< 0.5	18	116	3.42	< 10
OD11-16	205	276	0.230	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-17	205	276	0.015	< 0.2	360	6	< 2	< 1	< 10	10	152	40	0.62	50	< 0.5	0.03	< 0.5	19	107	3.15	< 10
OD11-18	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-19	205	276	< 0.005	< 0.2	290	8	< 2	< 1	< 10	10	82	18	0.48	50	< 0.5	0.02	< 0.5	7	162	2.25	< 10
OD11-20	205	276	0.040	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-20A	214	--	0.075	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-21	205	276	0.090	< 0.2	762	16	< 2	< 1	< 10	10	116	28	0.97	60	0.5	0.04	< 0.5	11	111	3.30	< 10
OD11-22	205	276	0.340	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-23	205	276	0.085	< 0.2	1475	44	< 2	1	< 10	10	134	34	0.86	50	0.5	0.06	< 0.5	15	105	4.11	< 10
OD11-24	205	276	0.140	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-25	205	276	0.205	< 0.2	1365	54	< 2	< 1	< 10	12	174	12	0.49	70	< 0.5	0.04	< 0.5	5	154	2.54	< 10
OD11-26	205	276	0.480	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-27	205	276	0.210	< 0.2	1105	68	< 2	< 1	< 10	58	72	5	0.72	70	0.5	0.07	< 0.5	5	148	1.87	< 10
OD11-28	205	276	0.720	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-29	205	276	0.280	< 0.2	886	52	< 2	< 1	< 10	6	116	14	0.47	90	< 0.5	0.06	< 0.5	9	203	2.36	< 10
OD11-30	205	276	0.250	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-31	205	276	< 0.005	< 0.2	246	12	< 2	< 1	< 10	8	82	32	0.66	50	< 0.5	0.19	< 0.5	16	133	3.79	< 10
OD11-32	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-33	205	276	< 0.005	< 0.2	392	16	< 2	< 1	< 10	6	120	12	0.78	150	< 0.5	0.36	< 0.5	8	149	2.20	< 10
OD11-34	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-35	205	276	< 0.005	< 0.2	72	20	< 2	< 1	< 10	6	58	15	0.81	90	< 0.5	0.53	< 0.5	12	86	3.06	< 10
OD11-36	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-37	205	276	0.005	< 0.2	176	6	< 2	< 1	< 10	8	148	38	0.60	50	< 0.5	0.30	< 0.5	15	82	3.77	< 10
OD11-38	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-39	205	276	0.015	< 0.2	32	8	< 2	< 1	< 10	10	82	31	0.55	50	< 0.5	0.26	< 0.5	14	109	3.64	< 10

CERTIFICATION: Hart Bechler

OD-11

LOGGED BY: D. Butherus

DATE: 23 Jul 97

Data Report: ALL PREFIX OD11-

SUMMARY: 0-135' QMS, limonitic, locally hematitic, QF vns. 135-147 fg felsic intrusive, limonitic, argillic alteration, rare tr py. 147-410' QMS, limonitic down to 215'; 185-245' Q±F vns, tr py; 245-410' Q±F vns ± py ± aspy, some dissem py ± aspy, ± bleaching ± argillic/sericitic alteration; 410-430' some greenstone. 430-530 Greenstone, Q±F ± calcite vns ± py ± aspy, some dissem py ± aspy, locally bleached ± argillic/sericitic alteration, local tr po.

PROJECT: OLD DOG 7WX0N
HOLE NO.: OD-11
E. COORD.: 462143.67
ELEV.: 1430'
BEARING: —
DRILL TYPE: RC
N. COORD: 7209664.92
TOTAL DEPTH: 530'
INCLINATION: -90
PAGE: 1 OF 8

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo
9:30						
01	0.03	<	412	12	<	<
02	0.09					
03	0.05	<	432	6	<	<
04	0.06					
05	0.03	<	254	12	<	<
06	0.03					
07	0.04	<	236	10	<	<
08	0.17					
09	0.12	<	342	6	<	<
10	0.53					
11	0.21	<	672	10	<	<
12	0.05					
13	0.02	<	212	10	<	<

DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION: PERV. SIL	VNLT. SIL	Arg	Bleh	Ser			OXIDES: HEM	Cpm Jar	GOE	SULFIDES: PY	Aspy	COMMENTS
0	OB															brnish-gry QMS wk FeOx
5	OB															brnish-gry QMS. Q vnlt wk FeO
10	QMS	QFvn														brnish-gry, wk FeOx, meta Q QF v middle, lim
15	QMS	QFvn														brnish-gry mod FeOx QF vns incr bottom, incr lim
20	QMS	QFvn Qvnlt														QF vns, hairline Q vnlts, mod lim lim frac
25	QMS	Q±Fvns														Q±F vns, tr lim after py, lim frac
30	QMS	? QF vns			?											abund meta Q (80%) top ¼, FeOx lim frac, minor Q±F (meta?)
35	QMS	? Q±F vns Qvnlt			?											few lim frac, meta Q, hairline Q v mod FeOx
40	QMS	? Q±Fvn			?											Q±F meta Q, some vn
45	QMS	Q±F vn														Q±F meta Q str lim Q±F vns + petr silicif? tr aspy? lower half
50	QMS	Q±F vns														Q±F vns, lim frac
55	QMS	Q±F vns													?	Q±F vns, perv silicif? trsulf? midd
60	QMS	FeVnlt Q±F vns														Q±F vns, lim. top half, some clay go gry sch bottom
65	QMS	Q±F vnlc														str lim, a few Q±F vns
70	QMS															Q±F meta Q minor, lim some gry Q±, perv FeOx along fra
75																

OD-11

LOGGED BY: D. Butherus
DATE 23 Jul 97
ALL PREFIX OD11-

SUMMARY:

PROJECT OLD DOG
HOLE NO. OD-11 DRILL TYPE RC
E. COORD. N. COORD
ELEV. TOTAL DEPTH 530'
BEARING INCLINATION -90
PAGE 2 OF 8

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo
14	<					
15	0.25	<	130	12	<	<
16	0.23					
17	0.02	<	360	6	<	<
18	<					
19	<	<	290	8	<	<
20	0.04					
21	0.09	<	762	16	<	<
22	0.34					
23	0.09	<	1475	44	<	1
24	0.14					
25	0.21	<	1365	54	<	<
26	0.48					
27	0.21	<	1105	68	<	<
28	0.72					

DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION: PERV SIL	VNLT SIL	Arg	Blch	Ser	OXIDES: HEM	Lim	GOE	SULFIDES: PY	COMMENTS
75													
80	QMS												reddish-gry, hem
85	QMS	QFvn					?						reddish-gry, hem. QFvn lower 1/3 blch? Qzt, QFvns
90	QMS	QvnF					?						lt brnish-gry, 50% Qzt, some hem, some blch?, Qvnlt, lim
95	QMS	QFvn											brnish-gry, some graph., lim some Qzt, a few QFvns?
100	QMS	QFvn											some hem few QFvn ± hem, lim
105	QMS												mostly lt gry Qzt, FeOx
110	QMS												bottom graphitic sch. slt hem
115	QMS	QFvn					?	?					mostly lt brn-gry Qzt, some meta Q tr hem at top, str lim, lim frac MnOx
120	QMS												str lim, QFvns 40% meta Q at bottom 1/4
125	QMS												top 1/4 80% meta Q str lim, lim frac
130	QMS												str lim, lim frac, MnOx minor meta Q some Qzt
135	QMS	QFvn											str lim, lim frac, MnOx some meta Q some Qzt
140	Fel	Contact											str lim, lim+MnOx frac. Qzt mod Q (meta ± vn?) at bottom a bit of clay
145	Fel												lt gry felsic intrusive, abund clay on frac, mod FeOx
150	Fel / QMS	Fault contact											abund arg at top, str lim, perv FeOx tr py. gry clay gouge ± str arg, lim brnish-gry sch, decr lim

OD-11

LOGGED BY: D. Butterus

DATE 23 Jul 97

ALL PREFIX OD11—

SUMMARY:

PROJECT OLD DOG

HOLE NO. OD-11 DRILL TYPE RC

E. COORD. N. COORD

ELEV. TOTAL DEPTH 530'

BEARING INCLINATION -90

PAGE 3 OF 8

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION PERV. SIL	VNLT. SIL	Arg	Blch	Ser				OXIDES HEM	Limonite JAR	GOE	SULFIDES PY	aspy	Po	COMMENTS
29	0.28	<	886	52	<	<	150																		
							155	QMS																	brnish-gry FeOx lim frac mostly qzt bottom half, some lim frac
30	0.25						160	SMS																	brnish-gry, lim + clay, some qzt some meta Q. tr hem
31	<	<	246	12	<	<	165	QMS																	brnish-gry, 50% qzt, lim frac
32	<						170	QMS																	top half qzt lower half sch, slt graph
33	<	<	392	16	<	<	175	QMS																	lt brnish-gry, abund meta Q top ½ 60% qzt, lim frac
34	<						180	QMS																	brnish-gry qzt, and silver-gry sch w dk qeyes. Some lim clay on frac
35	<	<	72	20	<	<	185	QMS																	brnish-gry qzt top abund dk gry graph sch at bottom tr py
36	<						190	QMS	Qvn Qvn																gry, graph, some hem, brnish-gry qzt. abund Q (meta? + vn) some clay
37	0.01	<	176	6	<	<	195	QMS	QFvnlt																brnish-gry qzt, rare QF vnlts, top gry graph sch, some dk qeyes, tr dissem py
38	<						200	QMS	qzy vnlt																gry, graph, qzy vnlt, dissem py (tr) gry qzt at bottom.
39	0.02	<	32	8	<	<	205	QMS																	gry sch and qzt, tr dissem py, tr hi tr tour
40	<						210	QMS																	brnish-gry qzt, clay on frac some lim
41	<	<	30	4	<	<	215	QMS	qvnlt																brnish-gry Qzt and dk gry graph sch. rare Q vnlt
42	<						220	QMS																	dk gry, graph, dissem py blebs, minor meta Q
43	<	<	14	<	<	<	225	QMS	Q vnlt																dk gry graph, dissem py blebs abund meta (?)Q Q vulet ± py and/or g at bottom

OD-11

LOGGED BY: D. Butherus

DATE: 23 Jul 97

ALL PREFIX OD 11 –

SUMMARY:

PROJECT OLD DOG
HOLE NO. OD-11 DRILL TYPE RC
E. COORD. N. COORD
ELEV. TOTAL DEPTH 330'
BEARING INCLINATION -90
PAGE 4 OF 8

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo
44	<					
45	<	<	8	<	<	<
46	<					
47	0.02	<	790	8	<	<
48	0.01					
49	0.01	<	400	6	<	<
50	0.03					
51	0.14	<	8430	6	<	<
52	0.06					
53	0.03	<	1690	8	<	<
54	0.08					
55	0.06	<	1620	8	<	<
56	0.02					
57	0.04	<	1460	26	<	<
58	0.01					

DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION: PERV. SIL	VNLT. SIL	Arg	Blch	Ser			OXIDES: HEM	Lim JAR	GOE	SULFIDES: PY	aspy	po	COMMENTS
225																	
230	QMS																dk gry, graph, dissem py blebs ½% some Qzt
235	QMS																dk gry, graph, dissem py blebs to 1% some Qzt
240	QMS																dk gry, graph, dissem py blebs to 1% some Qzt
245	QMS	F(?) vnlt					?										lt gry, mostly Qzt, blch?, slt perv FeOx, a few arg F(?) vnlts, dk gry, graph at bottom, dissem py
250	QMS	QFvn ± aspy															QF vning at top ± aspy, dissem py blebs.
255	QMS	QFvnlt															dk gry, graph, a few QF vnlts dissem py blebs. minor meta Q
260	QMS	QF ± aspy vn															dk gry, graph, meta Q, a few QF vnlets, some with aspy to 5mm. dissem py blebs. Sericite F?
265	QMS	QF ± aspy															as above aspy incr. some pink F some py. 5% vn
270	QMS	QF ± aspy															as above aspy blebs to 1 cm some py 3% vn
275	QMS	QF ± aspy															dk gry, graph, dk glassy min (Q?) cy gry Qzt, blch, abund Q±F vns with clots of aspy to 2 cm across. dissem some dissem aspy in host
280	QMS	Qvn H															gry Qzt, sparse fg dissem aspy, Q vnH some clay on frac, dissem py
295	QMS	QF vn															gry Qzt, dissem py, QF vnlts ± aspy vns arg + ser alt in part. grn + pink F.
290	QMS	QFs ± aspy															gry Qzt, sparse aspy, Q±F vnlts/spa ± aspy
295	QMS	QF vnlt QF vnlt															gry Qzt as above top ¼ dk gry, graph, dissem py blebs, QF vn
300	QMS	QF vnlt															dk gry, graph, a few Q±F vnlts, dissem py blebs, rare aspy.

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OD-11

LOGGED BY: D. Butherus
DATE 23 Jul 97
ALL PREFIX OD11 –

SUMMARY:

PROJECT OLD DOG
HOLE NO. OD-11 DRILL TYPE RC
E. COORD. N. COORD
ELEV. TOTAL DEPTH 530'
BEARING INCLINATION -90
PAGE 5 OF 8

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo
59	0.08	<	5390	4	<	<
60	0.12					
61	0.03	<	706	16	<	<
62	0.02					
63	0.02	0.2	580	8	<	<
64	0.19					
65	0.05	<	1710	24	<	<
66	0.05					
67	0.09	<	2070	10	<	<
68	0.05					
69	0.02	<	552	8	<	<
70	0.04					
71	0.14	0.2	>10,000	4	126 ppm <	Pb <
72	0.20					
73	0.14	1.0	1455	16	<	<

DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION: PERV SIL	VNLT SIL	Arg	Blch	Ser			OXIDES: HEM	Lim	GOE	SULFIDES: PY	aspy	Po	Galena	COMMENTS
300	QMS	QF± aspy																dk gry, graph, dissem py, QF vnlts ± aspy. A few 1-2m frac
305	QMS																	as above incr vnlg
310	QMS	Q vnlt																dk gry, graph, dk Q eyes, minor Qzt Q vnlts ± aspy along margins. dissem p a bit of gry clay
315	QMS	Q vnlt																gry sch → Qzt, abund dissem py (e in some (1-2mm) & abund meta Q Q vnlts. tr aspy. a few py frac
320	QMS	QF vnlt																gry sch and Qzt, dissem py, QF vn tr aspy. incr FeOx twd bottom
325	QMS	? Qvn																lt gry Qzt, meta Q + vns? rare py and aspy, blch? incr FeOx frac, s perv
330	QMS	Q±F vn					?											gry sch, dk Q eyes, slt ser alt?, blch? Q±F vns ± aspy, dissem py (trace), met
335	QMS	QF vn																as above. tr tour Q±F vnlts vfg dissem py. some graph
340	GMS	Q±F vnlt										? cont'm?						gry to dk gry, graph, dk Q eyes, dissem py blebs Q±F vnlts (Slt ltm rk = contam from cyclone?)
345	QMS	Q±F ± aspy																blch? slt chl twd bottom. tr aspy lt gry, slt grn. abund Q±F (some meta some vns 0.5 mg (to 5mm) aspy near margins and in host rk. ser? alt. tr tour. 20% v
350	QMS	Q±F vnlts						?										lt grnish-gry, ser. tr tour. fg dissem aspy, dissem py blebs + grains, Q±F vn ± aspy, blch some chl?
355	QMS	Q vnlt					?	?										lt grnish-gry, vfg dissem euh py. tr tour, Q vnlts ± py. mostly Qzt bottom half tr aspy
360	QMS	QF ± aspy vns					?									126	ppm ?	lt grnish-gry, some vfg dissem euh py, tr tour, Q±F vnlts ± clots of cg aspy tr py 1%? aspy in bottom half, spotty
365	QMS	Q±F ± aspy vns					?											vfg aspy and py dissem, Q±F ± aspy vns common, large clots of aspy (to 1c
370	QMS	Q±F vnlt					?											Q±F vnlts, meta Q, tr dissem aspy + py. tr tour. lt gry Qzt bottom ½
375																		

1:200

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OD - 11

LOGGED BY: D. Butherus

DATE: 23 Jul 97

ALL PREFIX OD11 -

SUMMARY:

PROJECT: OLD DOG
HOLE NO.: OD-11
DRILL TYPE: RC
E. COORD.:
N. COORD:
ELEV.:
TOTAL DEPTH: 530
BEARING:
INCLINATION: -90
PAGE 6 OF 8

Sample Number	Au	Ag	As	Sb	Bi	Mo	Depth	Rock Type	Alt.	Comments
							375			
74	0.02						380	QMS		lt gry, sparse dissem py bebs, a fe[w] rks w/ abund dk Q eyes. some chl, tr tour, blch, tr aspy
75	0.02	<	74	10	<	<	385	QMS	Q vnlt	as above, blch, hairline Q vnlts sparse vfg dissem py
76	0.01						390	QMS	Q vnlt	lt gry, dissem py grains + blebs, hairl[ine] Q vnlts, tr aspy, tr tour
77	0.01	<	214	12	<	<	395	QMS	Q vnlt	lt gry, tr tour, blch?, sparse dissem py blebs + grains, meta Q, hairlin[e] Q vnlts, tr aspy, tr po
78	0.03						400	QMS	Q±F vnlt QF± aspy	lt grnish-grys, tr tour, Q±F vnlts, t[r] py, tr aspy, one hairline aspy vnlt c[ross] foliation. some F grn, some pink. more [...] at bottom
79	0.14	<	4060	8	<	<	405	QMS	QF± aspy, py	as above. QF vn with euh py (1mm) wi[th] clot of aspy 1cm across. green F alt. fg dissem py and aspy.
80	0.02						410	QMS	Q±F ±aspy ±py	as above. fg dissem py and aspy hairline Q Q±F±aspy±py vnlts
81	0.02	<	532	4	<	<	415	QMS/GST	Q±F ±aspy ±py	lt grnish gry. fg dissem py and aspy, tr tour, Q±F vnlts ± aspy clots ± py [dk grnish-gry, chloritic incr vns (greenstone) at bottom]
82	0.04						420	QMS/GST	Q±F vnlts	lt gry Qzt + sch, vfg dissem py + aspy, tr to[ur] Q±F vnlts. meta Q(?) with dissem aspy [+] tour. some greenstone?
83	0.03	<	814	16	<	<	425	QMS/GST	QF ±aspy ±py	as above. some pink F in vn. tr chl
84	0.03						430	QMS/GST	Q±F ±aspy ±py	as above, tr graph. (contact location not certain, could be as high as 413' - interfingering?)
85	0.02	<	168	12	<	<	435	GST	contact loc? Q±F ±aspy ±py	as above. abund clean milky Q, p[y] on some selvages (meta Q). Q±F vnlts + aspy + py. more knobby and chl at botto[m] incr py
86	0.01						440	GST	Q±F ±py, aspy	grnish-gry, dissem py, chl. blch at bottom, Q±F vnlts ± py, aspy
87	0.01	<	196	50	<	<	445	GST	QF± py, aspy	lt grnish-gry, blch, QF vns ± py, aspy, v[fg] dissem py, aspy. dissem tour. some F vns w/ Q center ± aspy. more chl toward bo[ttom]
88	0.02						450	GST	Q±F aspy ±py	grnish gry QFC schist. mod F vnlts. vfg dissem py, aspy. tr tour. tr galena. more blch bottom half, Q±F vns ± sparse aspy, py

Alteration: PERV. SIL | VNLT. SIL | Arg | Blch | Ser
Oxides: HEM | Lim | GOE
Sulfides: PY | aspy | po | galena

3:15
5:40
6:20

"Rite in the Rain" J.L. DARLING

OD-11

LOGGED BY: D. Butherus	SUMMARY:	PROJECT: OLD DOG	
DATE: 24 Jul 97		HOLE NO.: OD-11	DRILL TYPE: RC
		E. COORD.	N. COORD
		ELEV.	TOTAL DEPTH: 530'
		BEARING	INCLINATION: -90
ALL PREFIX OD11-			PAGE 7 OF 8

Sample Number	Au	Ag	As	Sb	Bi	Mo	Depth	Rock Type	Alt.	Oxides / Sulfides notes	Comments
89	0.08	<	464	256	<	<	450–455	GST	QF vn ± calc; aspy Q vn		dk grnish-gry, fg dissem py, Q±F hairline Q±calc vnlts, tr vfg dissem aspy some bio. aspy vn rimmed by Q (4mm wid…
90	0.06						455–460	GST	QF± calc vnlt	prob contam small frags	Some rock very dark – vfg dissem bio?±… dk grnish-gry, fg dissem py, meta Q, … tr vfg aspy, QF±calc vnlt. graph at bott…
91	0.03	<	276	18	<	<	460–465	GST	QF vnlt ± calc		dk grnish gry, fg dissem py, hairline Q± calc vnlts, incr graph
92	0.01						465–470	GST	Q±F vnlt ± calc		as above. incr fg dissem py, wk graph; decr graph, decr py at bottom
93	0.01	<	230	2	<	<	470–475	GST	calc ± Q vnlt; calc ± Q vnlt	Aspy ?	dk grnish-gry, fg dissem py blebs, fg dis po blebs, hairline calc±Q vnlts (few), tr bio tr aspy? (rare)
94	0.12						475–480	GST	calc Q±F vnlt; Q±F±py	prob contam small frags; Aspy ?	dk grnish-grey, fg dissem py blebs, fg dis po blebs (local), bio, hairline Q±F vnlts ± … tr aspy? (rare). Q±F vnlt w/ hairline py alo… one margin. vnlts incr at bottom
95	0.04	<	184	20	<	<	480–485	GST	calc ± Q vnlt stkwk	Aspy ?; ? cpy	dk grnish-gry, fg dissem py and po blebs ± Q vnlts. tr aspy? stkwk. calcite vnlt chalcopyrite? w/ po bleb.
96	<						485–490	GST	calc ± Q vnlts; calc ± Q ± py		dk grnish-gry, calc±Q vnlts, dissem py. [frac zone?, almost blk, 2-3% dissem py blebs calc±Q vnlts±py, tr hem. bottom ¼]
97	0.01	<	118	2	<	<	490–495	GST	calc ± Q vnlts		dk grnish-gry, calc ± Q vnlts + rare py, spar… dissem py blebs. bio. hairline calc vnlts py v rare twd bottom
98	0.01						495–500	GST	calc ± Q vns	Aspy ?	as above. abund calc ± Q vn. inch-wi… blch + arg+ser? zone with hairline dk … (aspy?). rare dissem po + py blebs.
99	0.05	<	1465	2	<	<	500–505	GST	calc ± Q vnlt; calc vn; Q ± calc ± aspy		as above. calc ± Q vnlts, tr dissem… calc vn > 1 inch. blch zone twd bottom. Q±calc stkwk vns + aspy, bxa
100	0.08						505–510	GST	Q stkwk + aspy, py; Q vn + aspy, py		Q vnlt stkwk + aspy ± py (10% vn). … v dk gry. some dissem py + aspy. tr bl… Q vns + aspy + py, near bottom
101	0.02	<	334	12	<	<	510–515	GST	Q, calc, Q ± calc vnlts; Q + aspy, py		dk gry. Q vnlts, calc vnlts, Q±calc vnl… tr py + aspy in some vnlts. blch zone in middle, Q vnlts, dissem py + aspy? abund calc (F?) vns ± aspy ± py, at bottom (5% …
102	0.03						515–520	GST	Q vns		dk gry to gry. Q vns ± aspy ± py. hairline py/aspy vnlt, dissem py. grnish-gry at bottom
103	0.01	<	320	<	<	<	520–525	GST	Q vns + aspy, py; Q ± aspy vn	Blch ?	grnish-gry, dissem po. Q vnlts + aspy dissem aspy, py, po. pink garnets incr po. Q vn w/ cg aspy.

Column groups printed on the form: ANALYTICAL RESULTS (Au, Ag, As, Sb, Bi, Mo); DEPTH; ROCK TYPE; ALT.; GRAPHIC LOG; ALTERATION (PERV. SIL, VNLT. SIL, Arg, Blch, Ser, vnlt calc); OXIDES (HEM, Lim, GOE); SULFIDES (PY, Aspy, Po); COMMENTS.

Margin notes: 9:00, 10:30, 11:20, 12:10, 24 Jul

Rite in the Rain J.L. DARLING

GVK Data Report 306 Page 93 of 134

OD-11

LOGGED BY: D. Butherus

DATE 24 Jul 97

ALL PREFIX OD11 –

SUMMARY:

PROJECT OLD DOG
HOLE NO. OD-11 DRILL TYPE RC
E. COORD. N. COORD
ELEV. TOTAL DEPTH 530'
BEARING INCLINATION -90
PAGE 8 OF 8

SAMPLE NUMBER	ANALYTICAL RESULTS Au	Ag	As	Sb	Bi	Mo	DEPTH	ROCK TYPE	ALT.	GRAPHIC LOG	ALTERATION PERV. SIL	VNLT. SIL	Arg	Blch	Ser		vnlt calc	OXIDES HEM	Limonite JAR	GOE	SULFIDES PY	Aspy	Po	COMMENTS
											%	%	%	%	%	%	%	%	%	%	%	%	%	
104	0.10						525	SST	Q±aspy ±py Qvn															gry sch. Q±aspy ±py vn. dissem p blebs. graphitic abund Qvn + tr py, aspy at bottom (52
EOH	530'						530																	

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Rite in the Rain J.L. DARLING CO

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers
994 Glendale Ave., Unit 3, Sparks 89431
Nevada, U.S.A.
PHONE: 702-356-5395 FAX: 702-355-0179

To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :1-B
Total Pages :3
Certificate Date: 05-AUG-97
Invoice No. :19734194
P.O. Number :00198
Account :DOGN

CERTIFICATE OF ANALYSIS A9734194

SAMPLE	PREP CODE		Hg ppm	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
OD11-01	205	276	< 1	0.23	40	0.35	435	0.01	25	310	1	16	< 0.01	< 10	< 10	9
OD11-02	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-03	205	276	< 1	0.25	30	0.35	445	0.03	48	190	2	16	< 0.01	< 10	< 10	11
OD11-04	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-05	205	276	< 1	0.26	30	0.09	545	0.01	33	230	1	12	< 0.01	< 10	< 10	7
OD11-06	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-07	205	276	< 1	0.38	50	0.23	755	0.03	58	300	3	17	< 0.01	< 10	< 10	14
OD11-08	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-09	205	276	< 1	0.34	50	0.24	320	0.02	62	280	3	16	< 0.01	< 10	< 10	16
OD11-10	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-11	205	276	< 1	0.27	60	0.09	680	0.02	39	350	4	15	< 0.01	< 10	< 10	9
OD11-12	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-13	205	276	< 1	0.20	30	0.05	520	0.02	27	170	2	12	< 0.01	< 10	< 10	6
OD11-14	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-15	205	276	< 1	0.21	40	0.05	1050	0.01	35	370	3	16	< 0.01	< 10	< 10	6
OD11-16	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-17	205	276	< 1	0.18	30	0.07	545	0.01	35	200	1	8	< 0.01	< 10	< 10	7
OD11-18	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-19	205	276	< 1	0.19	20	0.03	135	0.01	16	130	1	11	< 0.01	< 10	< 10	5
OD11-20	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-20A	214	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-21	205	276	< 1	0.27	30	0.08	250	0.01	25	160	2	11	< 0.01	< 10	< 10	8
OD11-22	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-23	205	276	< 1	0.26	30	0.10	415	0.01	32	200	3	13	< 0.01	< 10	< 10	9
OD11-24	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-25	205	276	< 1	0.24	10	0.03	190	< 0.01	11	100	1	25	< 0.01	< 10	< 10	3
OD11-26	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-27	205	276	< 1	0.33	20	0.06	330	< 0.01	9	70	< 1	55	< 0.01	< 10	< 10	< 1
OD11-28	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-29	205	276	< 1	0.17	20	0.04	440	0.01	20	110	1	25	< 0.01	< 10	< 10	5
OD11-30	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-31	205	276	< 1	0.21	40	0.18	460	0.01	34	220	2	19	< 0.01	< 10	< 10	6
OD11-32	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-33	205	276	< 1	0.14	20	0.25	255	0.02	19	140	1	34	< 0.01	< 10	< 10	7
OD11-34	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-35	205	276	< 1	0.15	30	0.56	445	0.01	27	180	4	62	< 0.01	< 10	< 10	8
OD11-36	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-37	205	276	< 1	0.18	40	0.72	355	0.02	34	240	2	29	< 0.01	< 10	< 10	6
OD11-38	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-39	205	276	< 1	0.17	30	0.62	380	0.02	32	190	2	30	< 0.01	< 10	< 10	6

CERTIFICATION: Stuart Bichler

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers

994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :2-A
Total Pages :3
Certificate Date: 05-AUG-97
Invoice No. :I9734194
P.O. Number :00198
Account :DOGN

CERTIFICATE OF ANALYSIS A9734194

SAMPLE	PREP CODE		Au ppm FA+AA	Ag ppm	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Pb ppm	Zn ppm	Cu ppm	Al %	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm
OD11-40	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-40A	214	--	0.560	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-41	205	276	< 0.005	< 0.2	30	4	< 2	< 1	< 10	8	198	25	0.54	50	< 0.5	0.35	< 0.5	12	119	3.02	< 10
OD11-42	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-43	205	276	< 0.005	< 0.2	14	< 2	< 2	< 1	< 10	6	92	26	0.74	30	< 0.5	0.29	< 0.5	11	77	3.13	< 10
OD11-44	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-45	205	276	< 0.005	< 0.2	8	< 2	< 2	< 1	< 10	10	100	32	0.61	40	< 0.5	0.44	< 0.5	14	95	3.70	< 10
OD11-46	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-47	205	276	0.020	< 0.2	790	8	< 2	< 1	< 10	12	70	31	0.39	40	< 0.5	0.29	< 0.5	10	102	2.73	< 10
OD11-48	205	276	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-49	205	276	0.010	< 0.2	400	6	< 2	< 1	< 10	14	114	35	0.52	50	0.5	0.51	< 0.5	16	72	4.29	< 10
OD11-50	205	276	0.025	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-51	205	276	0.140	< 0.2	8430	6	< 2	< 1	< 10	8	60	17	0.40	60	< 0.5	0.49	< 0.5	10	95	2.61	< 10
OD11-52	205	276	0.055	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-53	205	276	0.025	< 0.2	1690	8	< 2	< 1	< 10	6	66	11	0.44	30	< 0.5	0.49	< 0.5	6	109	1.75	< 10
OD11-54	205	276	0.075	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-55	205	276	0.055	< 0.2	1620	8	< 2	< 1	< 10	2	46	11	0.35	30	< 0.5	0.57	< 0.5	6	91	1.86	< 10
OD11-56	205	276	0.020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-57	205	276	0.040	< 0.2	1460	26	< 2	< 1	< 10	26	110	23	0.59	60	< 0.5	0.45	< 0.5	12	134	2.76	< 10
OD11-58	205	276	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-59	205	276	0.080	< 0.2	5390	4	< 2	< 1	< 10	70	52	11	0.52	60	< 0.5	0.97	< 0.5	10	85	2.90	< 10
OD11-60	205	276	0.115	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-60A	214	--	2.52	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-61	205	276	0.025	< 0.2	706	16	< 2	< 1	< 10	60	202	40	0.54	60	< 0.5	0.65	< 0.5	12	117	3.08	< 10
OD11-62	205	276	0.020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-63	205	276	0.020	0.2	580	8	< 2	< 1	< 10	90	336	64	0.48	50	< 0.5	0.85	0.5	10	106	2.64	< 10
OD11-64	205	276	0.190	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-65	205	276	0.045	< 0.2	1710	24	< 2	< 1	< 10	24	68	21	0.37	40	< 0.5	6.07	< 0.5	8	77	2.23	< 10
OD11-66	205	276	0.045	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-67	205	276	0.090	< 0.2	2070	10	< 2	< 1	< 10	22	70	11	0.27	30	< 0.5	1.30	< 0.5	9	91	2.19	< 10
OD11-68	205	276	0.050	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-69	205	276	0.020	< 0.2	552	8	< 2	< 1	< 10	18	100	20	0.40	40	< 0.5	0.82	< 0.5	10	122	2.80	< 10
OD11-70	205	276	0.040	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-71	205	276	0.140	0.2	>10000	4	< 2	< 1	< 10	126	100	14	0.36	30	< 0.5	1.63	< 0.5	13	89	3.82	< 10
OD11-72	205	276	0.200	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-73	205	276	0.140	1.0	1455	16	< 2	< 1	< 10	30	58	10	0.26	30	< 0.5	1.16	< 0.5	7	101	2.04	< 10
OD11-74	205	276	0.020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-75	205	276	0.015	< 0.2	74	10	< 2	< 1	< 10	18	52	10	0.54	50	< 0.5	1.40	< 0.5	5	161	1.67	< 10
OD11-76	205	276	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-77	205	276	0.010	< 0.2	214	12	< 2	< 1	< 10	12	62	12	0.32	40	< 0.5	2.61	< 0.5	5	113	1.31	< 10

CERTIFICATION: Stuart Buchler

Chemex Labs, Inc.
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To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Certificate Date: 05-AUG-97
Invoice No. : I9734194
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Account : DOGN

CERTIFICATE OF ANALYSIS A9734194

SAMPLE	PREP CODE		Hg ppm	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
OD11-40	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-40A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-41	205	276	< 1	0.16	20	0.56	370	0.01	25	190	2	30	< 0.01	< 10	< 10	6
OD11-42	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-43	205	276	< 1	0.13	20	0.66	320	0.01	25	230	1	27	< 0.01	< 10	< 10	7
OD11-44	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-45	205	276	< 1	0.18	30	0.74	305	0.01	30	200	2	38	< 0.01	< 10	< 10	6
OD11-46	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-47	205	276	< 1	0.14	20	0.53	280	0.01	23	140	1	35	< 0.01	< 10	< 10	5
OD11-48	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-49	205	276	< 1	0.21	40	0.98	500	0.01	37	230	3	55	< 0.01	< 10	< 10	7
OD11-50	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-51	205	276	< 1	0.09	10	0.56	295	0.03	21	120	3	72	< 0.01	< 10	< 10	8
OD11-52	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-53	205	276	< 1	0.05	10	0.39	250	0.02	12	120	1	60	< 0.01	< 10	< 10	7
OD11-54	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-55	205	276	< 1	0.05	10	0.44	280	0.02	13	100	2	74	< 0.01	< 10	< 10	7
OD11-56	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-57	205	276	< 1	0.15	10	0.59	315	0.01	23	170	2	58	< 0.01	< 10	< 10	7
OD11-58	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-59	205	276	< 1	0.12	10	0.71	430	0.01	21	170	3	94	< 0.01	< 10	< 10	8
OD11-60	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-60A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-61	205	276	< 1	0.17	20	0.68	385	0.01	27	170	3	52	< 0.01	< 10	< 10	8
OD11-62	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-63	205	276	< 1	0.12	10	0.75	420	< 0.01	29	170	3	60	< 0.01	< 10	< 10	8
OD11-64	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-65	205	276	< 1	0.18	20	0.51	900	0.01	17	270	1	206	< 0.01	< 10	< 10	4
OD11-66	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-67	205	276	< 1	0.11	10	0.59	485	0.01	19	230	1	80	< 0.01	< 10	< 10	4
OD11-68	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-69	205	276	< 1	0.18	30	0.66	390	0.01	23	190	1	50	< 0.01	< 10	< 10	5
OD11-70	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-71	205	276	< 1	0.15	10	0.96	690	0.01	26	260	2	107	< 0.01	< 10	< 10	6
OD11-72	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-73	205	276	< 1	0.14	10	0.54	370	< 0.01	16	180	1	73	< 0.01	< 10	< 10	3
OD11-74	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-75	205	276	< 1	0.22	20	0.50	345	0.01	12	130	1	77	< 0.01	< 10	< 10	4
OD11-76	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-77	205	276	< 1	0.17	10	0.39	465	0.01	11	250	1	102	< 0.01	< 10	< 10	3

CERTIFICATION: HartBichler

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CERTIFICATE OF ANALYSIS A9734194

SAMPLE	PREP CODE		Au ppm FA+AA	Ag ppm	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Pb ppm	Zn ppm	Cu ppm	Al %	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Fe %	Ga ppm
OD11-78	205	276	0.030	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-79	205	276	0.135	< 0.2	4060	8	< 2	< 1	< 10	46	48	5	0.27	30	< 0.5	1.83	0.5	4	166	1.39	< 10
OD11-80	205	276	0.020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-80A	214	--	0.530	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-81	205	276	0.020	< 0.2	532	4	< 2	< 1	< 10	38	72	17	0.82	50	< 0.5	0.96	0.5	9	101	2.16	< 10
OD11-82	205	276	0.035	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-83	205	276	0.025	< 0.2	814	16	< 2	< 1	< 10	18	32	13	0.29	30	< 0.5	8.38	< 0.5	5	74	1.46	< 10
OD11-84	205	276	0.030	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-85	205	276	0.015	< 0.2	168	12	< 2	< 1	< 10	12	42	39	0.84	40	< 0.5	2.80	< 0.5	15	135	2.88	< 10
OD11-86	205	276	0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-87	205	276	0.010	< 0.2	196	50	< 2	< 1	< 10	8	68	46	1.20	40	< 0.5	2.62	< 0.5	22	115	4.63	< 10
OD11-88	205	276	0.020	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-89	205	276	0.075	< 0.2	464	256	< 2	< 1	10	2	66	48	2.88	50	< 0.5	4.54	< 0.5	34	252	4.96	< 10
OD11-90	205	276	0.060	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-91	205	276	0.030	< 0.2	276	18	< 2	< 1	< 10	< 2	70	41	3.54	30	< 0.5	4.60	< 0.5	31	230	5.07	10
OD11-92	205	276	0.010	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-93	205	276	0.010	< 0.2	230	2	< 2	< 1	< 10	< 2	50	57	2.79	30	< 0.5	1.89	< 0.5	28	183	3.76	< 10
OD11-94	205	276	0.115	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-95	205	276	0.040	< 0.2	184	20	< 2	< 1	< 10	< 2	60	49	2.88	10	< 0.5	2.18	< 0.5	26	141	4.13	< 10
OD11-96	205	276	< 0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-97	205	276	0.010	< 0.2	118	2	< 2	< 1	< 10	< 2	64	47	2.98	30	< 0.5	3.51	< 0.5	28	203	4.23	< 10
OD11-98	205	276	0.005	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-99	205	276	0.050	< 0.2	1465	2	< 2	< 1	< 10	8	52	37	2.22	50	< 0.5	7.68	< 0.5	26	169	4.08	< 10
OD11-100	205	276	0.080	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-100A	214	--	0.570	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-101	205	276	0.020	< 0.2	334	12	< 2	< 1	< 10	8	74	24	1.33	40	< 0.5	4.84	< 0.5	23	108	4.99	< 10
OD11-102	205	276	0.025	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-103	205	276	0.005	< 0.2	320	< 2	< 2	< 1	< 10	12	108	58	2.71	20	< 0.5	0.72	< 0.5	25	112	5.88	< 10
OD11-104	205	276	0.100	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: Hart Bichler

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers

994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To: CYPRUS GOLD
ATTN: BILL DUNCAN
1320 FREEPORT BLVD., SUITE 106
SPARKS, NEVADA
89431

Project : ERGP 1920
Comments: ATTN: WILLIAM DUNCAN (RESULTS ONLY)

Page Number :3-B
Total Pages :3
Certificate Date: 05-AUG-97
Invoice No. :19734194
P.O. Number :00198
Account :DOGN

CERTIFICATE OF ANALYSIS A9734194

SAMPLE	PREP CODE		Hg ppm	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm
OD11-78	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-79	205	276	< 1	0.14	10	0.34	350	0.02	9	80	1	139	< 0.01	< 10	< 10	3
OD11-80	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-80A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-81	205	276	< 1	0.25	30	0.71	285	0.02	21	280	2	84	< 0.01	< 10	< 10	7
OD11-82	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-83	205	276	< 1	0.16	10	0.46	590	0.01	11	170	1	333	< 0.01	< 10	< 10	3
OD11-84	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-85	205	276	< 1	0.17	10	1.40	510	0.01	54	260	4	126	< 0.01	< 10	< 10	19
OD11-86	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-87	205	276	< 1	0.14	20	2.76	465	0.01	75	200	10	188	< 0.01	< 10	< 10	37
OD11-88	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-89	205	276	< 1	0.12	< 10	4.16	865	< 0.01	166	320	14	244	0.03	< 10	< 10	77
OD11-90	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-91	205	276	< 1	0.10	< 10	3.73	785	< 0.01	117	340	13	202	0.11	< 10	< 10	92
OD11-92	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-93	205	276	< 1	0.05	< 10	2.69	455	< 0.01	128	350	5	73	0.26	< 10	< 10	57
OD11-94	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-95	205	276	< 1	0.02	< 10	2.62	515	< 0.01	75	290	8	93	0.26	< 10	< 10	70
OD11-96	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-97	205	276	< 1	0.02	< 10	2.96	625	< 0.01	123	360	8	143	0.22	< 10	< 10	72
OD11-98	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-99	205	276	< 1	0.05	< 10	3.30	1255	< 0.01	123	210	11	313	0.02	< 10	< 10	56
OD11-100	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-100A	214	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-101	205	276	< 1	0.10	< 10	2.53	1390	0.01	58	450	11	276	< 0.01	< 10	< 10	54
OD11-102	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OD11-103	205	276	< 1	0.13	30	1.69	1105	0.01	68	390	6	43	< 0.01	< 10	< 10	37
OD11-104	205	276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: Stewart Buchler

OLD DOG MINING CLAIMS

Fairbanks Mining District
Fairbanks, Alaska

Report prepared by
Roger McPherson, owner
1042 Gilmore Street
Fairbanks, Alaska 99701
(907) 457-2882

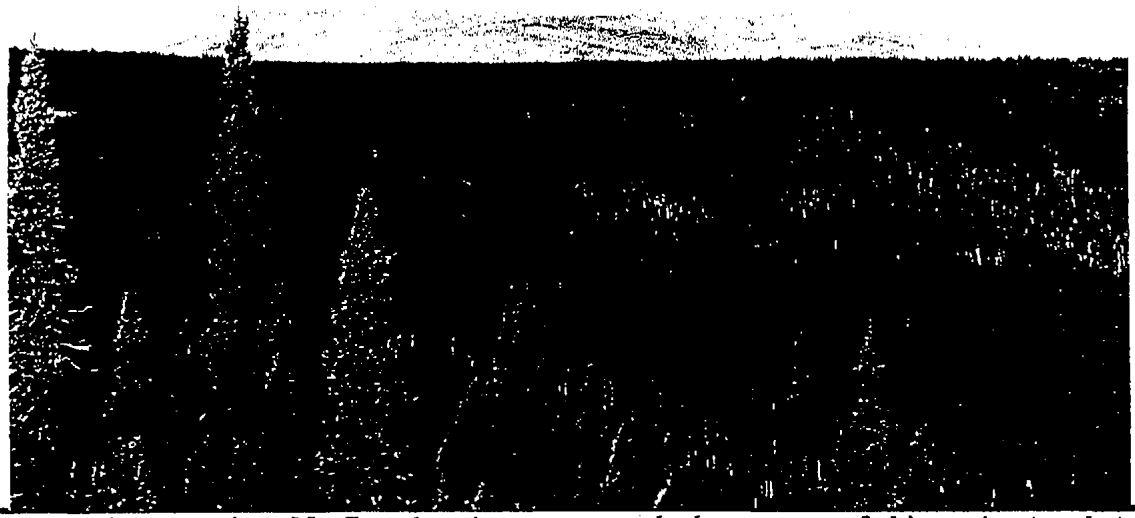
INTRODUCTION

Gold mineralization in the Fairbanks District is closely related to intrusives and a metavolcanic sequence of schists. The Old Dog claims are situated in the "Cleary Sequence," the gold-bearing metavolcanic schists, and there are four small exposures of intrusives containing gold, arsenic and stibnite. The claims drain into Treasure Creek, an historic gold placer several miles long. Adjacent claims have recently been explored by American Nickel and Copper Company (ANAC) for lode sources.

LOCATION AND DESCRIPTION

Old Dog claims (16 claims of 40 acres each, State of Alaska lease-hold locations) are located 15 miles north of Fairbanks on a ridge and slope to the west of Treasure Creek. Access is via Old Murphy Dome Road off the Elliott Highway, a distance of 8 miles. A four-wheel drive track connects Old Murphy Dome Road to the claims. Recent exploration work by ANAC improved the track, although the last half mile is rutted from erosion.

These gold lode claims are located on flat terrain on the ridgetop, and on a gentle slope going down to Treasure Creek. Scrub spruce and stands of aspen characterize the ridgetop. On the slope the scrub spruce give way to large stands of birch and spruce as drainage and soil cover increase. Loess thickens downslope, masking bedrock features.



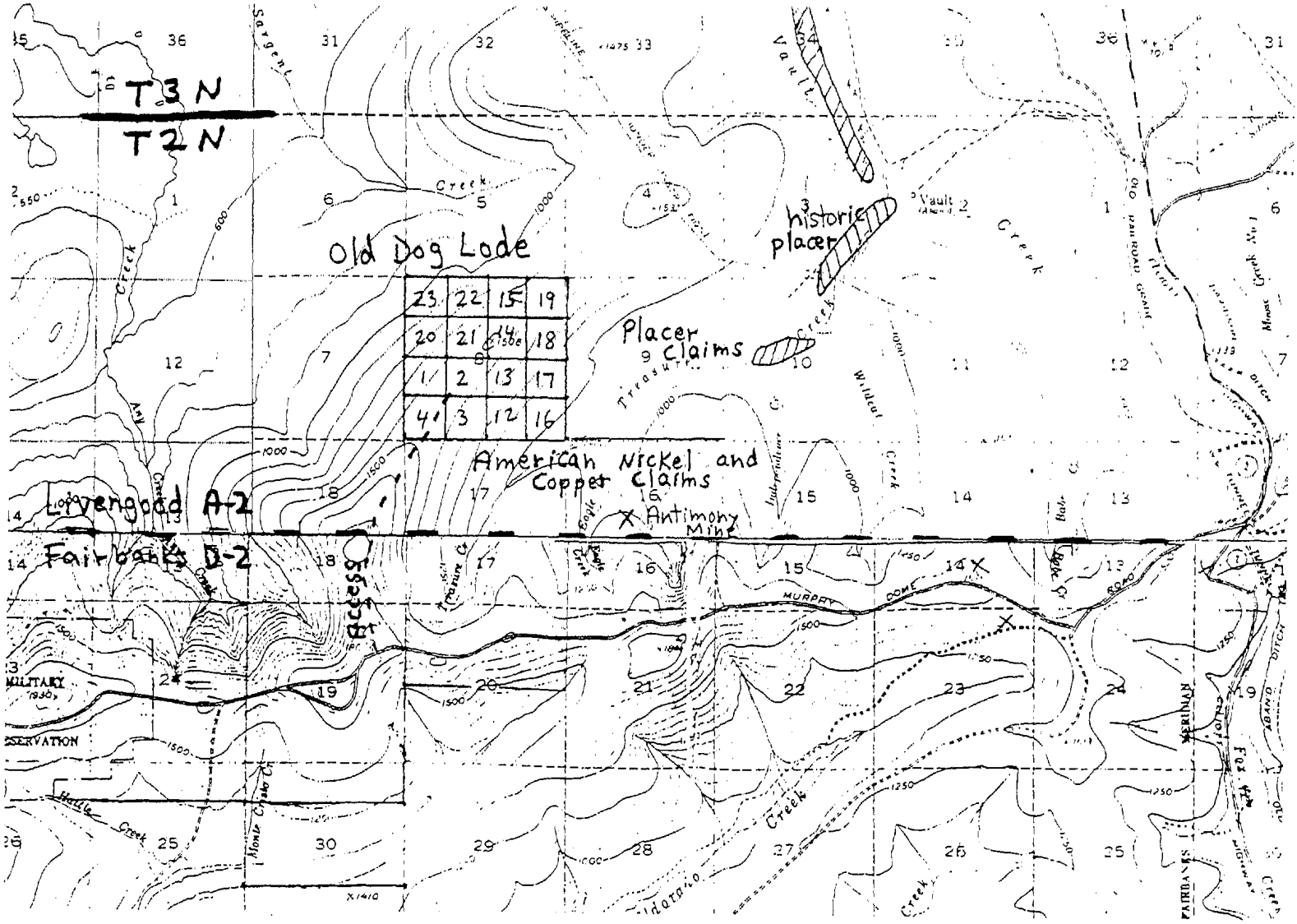
The phtograph shows the ANAC exploration area over the larger, unroofed intrusive (road zig-zagging down the hillside, left), and the Old Dog claims along the ridge (center and right) and slope above Treasure Creek. The access road is located on the ridge.

HISTORY

Downstream from the lode area the productive Treasure Creek and Vault Creek placer was worked in the early 1900s. Becasue of the depth of overburden, no dredging was done. Winter drift mining continues today. L.M. Prindle described the placers:

> The auriferous deposits on Vault Creek extend from No.9 claim above discovery to the mouth of the valley, a distance of 6 miles; on Treasure Creek to a point 3 miles above the mouth....The productive gravels have widths ranging from 25 to 225 feet, a maximum thickness of about 7 feet, and values ranging from 50 cents to $7 to the square foot of bedrock....The gold is in general coarse, very little flour or flaky gold being found.[1]

All of the old tailings piles examined in Treasure Creek contain light-colored igneous rocks simiar to the igneous exposures in the ANAC and Old Dog claims.



The map shows the location of Old Dog, ANAC, and placer claims as well as the historic placers and access routes.

[1] Prindle, L.M. U.S.G.S. Bulletin 525. 1913. Page 101.

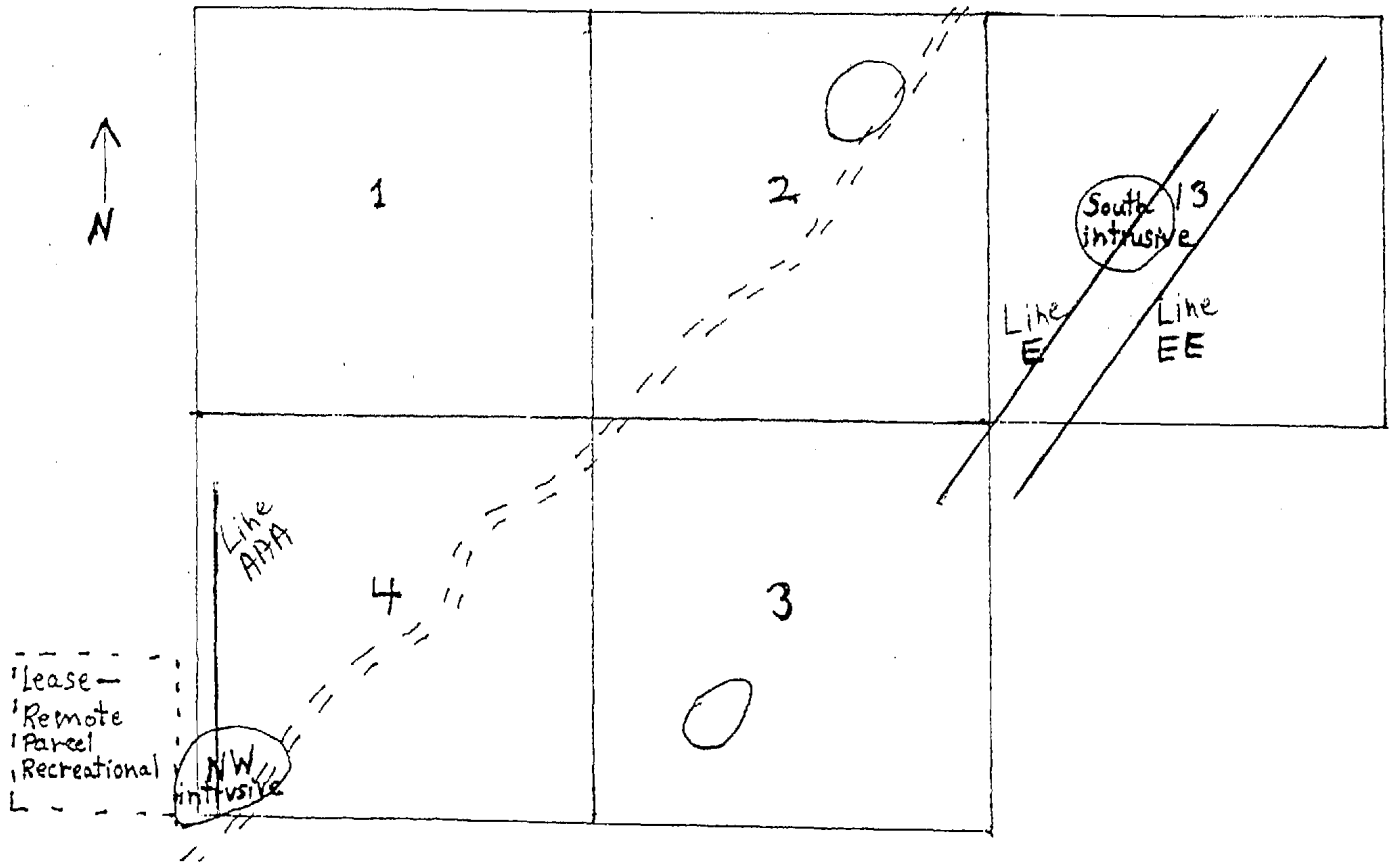
The Scrafford antimony mine above Eagle Creek, a tributary of Treasure Creek, consisted of massive stibnite in a shear zone striking east-west and dipping 55 degrees south. Antimony was mined during World War I and in 1926-27. Production figures estimate over 2 million pounds of antimony were produced from open cuts. This large claim block was leased to American Nickel and Copper:

> ANAC also conducted geophysical, geochemical, and geological surveys and completed 833 meters (2,733 feet) of diamond drilling at the Eagle Creek prospect off Murphy Dome Road, where gold-bearing veins are hosted in granite porphyry igneous bodies.[2]

ECONOMIC GEOLOGY

Four small intrusives are exposed in four claims. Arsenic halos characterize each exposure and gold values are elevated where granite contacts schist. Stibnite values also occur, but are not directly related to gold mineralization.

Two initial rock samples from the northwest intrusive had gold values of 18 and 636 ppb and arsenic values of 1235 and 1057 ppm respectively. An extensive geochemical soil survey was undertaken over three years. Soil samples were taken from the "B" horizon and Bondar-Clegg did the assaying.



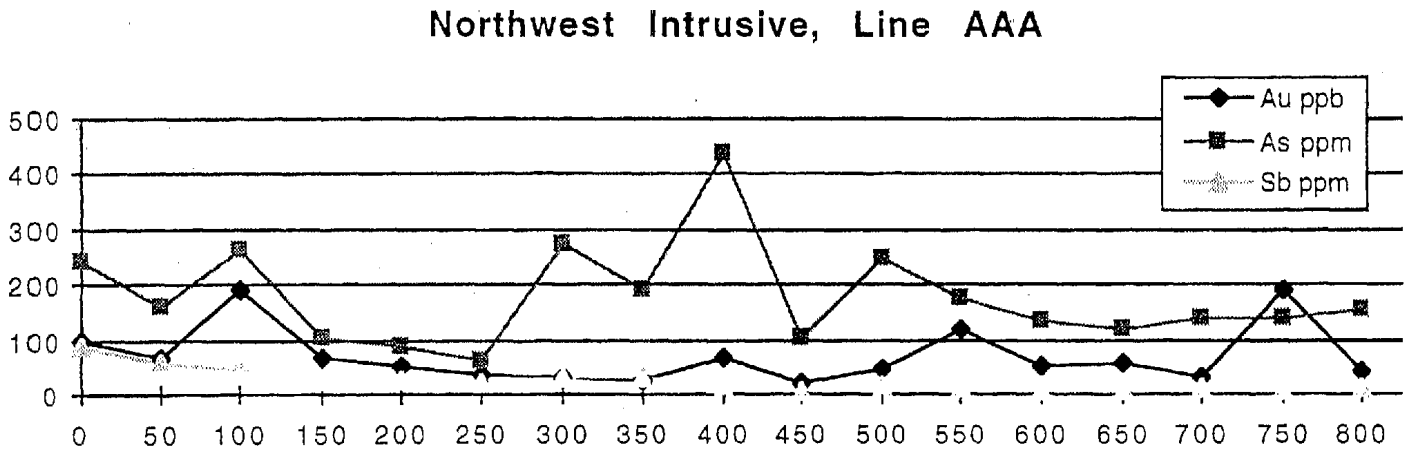
Sketch of claims which shows the intrusive locations and geochemical soil survey lines.

[2] State of Alaska, Division of Geological and Geophysical Surveys. "Alaska's Mineral Industry in 1992." Page 9.

The northwest intrusive, lying on the line between ANAC claims and a private recreation leasehold, is bleached and altered fine-grained to porphyritic rock with areas of small pyrite and arsenopyrite crystals. About 400 feet of the intrusive is exposed.

Line AAA, Northwest Intrusive

Station	Au ppb	As ppm	Sb ppm
0	99	241	87.1
50	68	160	58.6
100	190	265	44.7
150	66	102	27.2
200	52	87	23.7
250	34	64	21.8
300	32	273	28.7
350	27	190	13
400	68	437	13
450	19	102	6.6
500	46	245	13
550	120	173	8.9
600	53	133	7.6
650	57	121	6.5
700	30	139	9.2
750	190	139	6.7
800	39	154	7.8



High arsenic values seem to correlate well with gold anomalies. The sharp spike at 400 feet was confirmed as a potential gold zone by additional soil surveys. However, this area leads into the private leasehold. The high gold values seem to support the concept of gold-bearing veins in the igneous body.

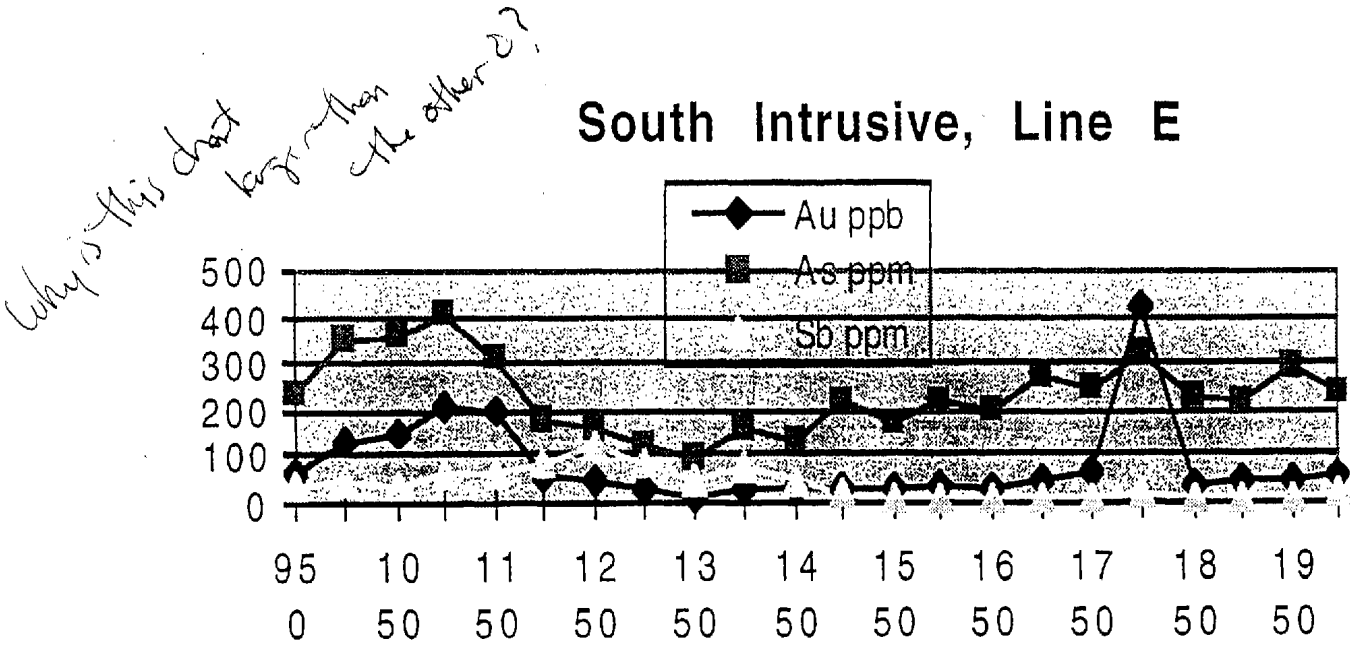
A concentration of stibnite near Stations 0-100 shows a close correlation with arsenic and gold, but this relationship is not consistent with other areas of the claims. While gold values drop off after Station 200, the arsenic values show an increase. After Station 200 the granite is covered by schist, which permits arsenic halos but little migration of gold.

This is a flat lying to gentle downhill area. The shallow loess cover over the schist is frozen.

The largest igneous exposure, the South intrusive (Lines E and EE), again shows the gold and arsenic relationship. There is a small area of porphyritic intrusive exposed, but the area is largely covered with decomposed schist and loess. Arsenic halos in the schist and loess point to exploration targets.

South intrusive,Line E

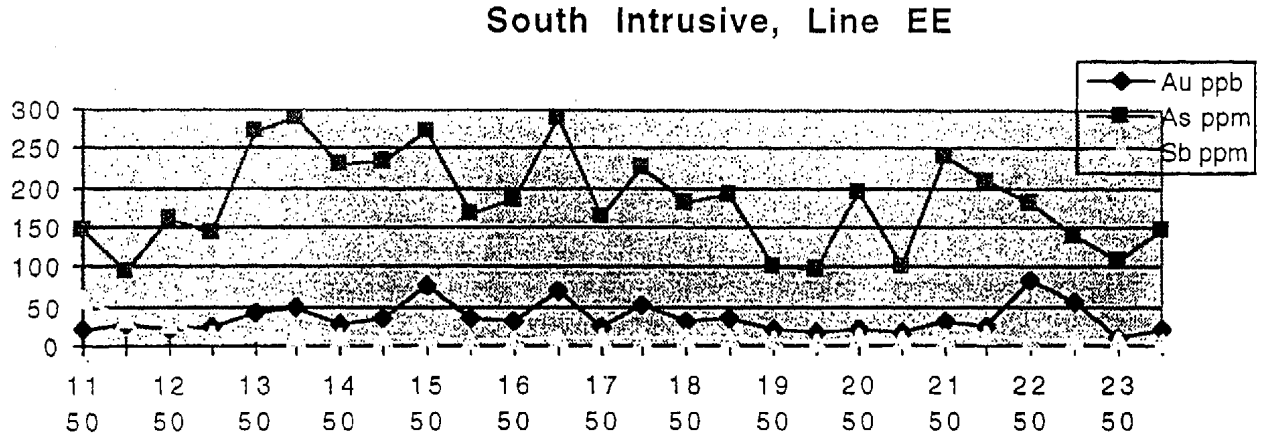
Station	Au ppb	As ppm	Sb ppm
950	64	240	34.2
1000	130	349	47.8
1050	150	360	41.7
1100	210	408	61.4
1150	200	308	63.1
1200	60	176	84.5
1250	43	162	126
1300	30	121	89.3
1350	13	92	49.3
1400	27	159	73.2
1450	28	133	44.1
1500	25	220	20.6
1550	25	167	12
1600	41	219	14
1650	30	194	8.9
1700	43	275	10
1750	67	244	7.4
1800	420	319	21.4
1850	36	223	14
1900	47	221	8.5
1950	46	295	14
2000	52	238	15



The other line over the vicinity of the South intrusive, Line EE, also shows the arsenic peaks coming through the schist and loess cover.

Line EE, South Intrusive

Station	Au ppb	As ppm	Sb ppm
1150	20	148	58
1200	27	94	33.8
1250	22	160	26.2
1300	25	144	15
1350	43	271	16
1400	48	288	12
1450	28	230	10
1500	36	235	11
1550	78	273	11
1600	36	169	7.9
1650	33	185	8.7
1700	70	290	11
1750	26	165	11
1800	54	226	11
1850	32	183	8.9
1900	34	193	10
1950	22	101	7.2
2000	16	97	5
2050	21	196	9.2
2100	17	100	6.1
2150	33	241	12
2200	26	210	13
2250	84	182	7.5
2300	57	138	7.5
2350	11	108	8.1
2400	22	148	5.2



The soil sampling program shows arsenic anomalies which extend over a thousand feet and which point to deeper mineralization. These soil anomalies have the following characteristics:

- elevated arsenic (100 to 400 ppm)
- direct correlation with arsenic and gold (As >300 ppm: Au >100 ppb)
- gold values exceeding 1000 ppb (not included in this data)
- extensive schist and loess cover with arsenic halos

SUMMARY

Historic placer gold production from the Treasure and Vault Creek areas was extensive, and a lode source was never identified. Recent exploration by American Nickel and Copper focused on a largely exposed intrusive. The nearby Old Dog claims have small intrusives with widespread arsenic halos related to gold anomalies. Gold values as high as 1500 ppb have been obtained from soil sampling. Intrusives and overlying schist on the Old Dog claims have a high potential for gold mineralization.

West Coast Sales
Sales Call Summary

Sales Rep: Julia Martin
Contact Name: Darrell James
Company: Home At Last
Market:
☐ Catalog Sales
☐ Discount
☐ Speciality Retailer
Comments:

Division:
Outdoor Enterprises
Phone:(505)888-1234

Roger McPherson 12-2-94

This was extremely frustrating. I created what I thought was a template of this information. However, the check boxes don't work when I click on them. The dtop-down list does't drop down. I went back over the chapter on this and my notes. It looks easy in class, but did't work out for me.

I saved the template to the HD so I could access it from the master list of templates. That's how I got this .

I did go back to the template and found that by locking it, I could find the drop-down menu, and get the boxes to be checked.

Good, amazing how 1 step can often cause malfunction.

OLD DOG CLAIMS

Location and Description

Old Dog claims (19 claims of 40 acres each, State of Alaska lease-hold locations) are located 15 miles north of Fairbanks on a ridge and slope to the west of Treasure Creek. Access is via Old Murphy Dome Road off the Elliott Highway, a distance of 6 miles. A four-wheel drive track connects Old Murphy Dome Road to the claims. Recent mining activity improved this road, although the last one-half mile is rutted from erosion of the steep slope. Access is also possible by four-wheeler via the TAPS road to Vault and Treasure Creeks, along the pipeline right-of-way to the ridgetop, and along a four-wheeler trail which connects with the ridgetop road. Alyeska Security grants a yearly permit to utilize this route for exploration purposes. All of the ridgetop has a platted right-of-way, extending from Old Murphy Dome Road to the TAPS pipeline.

These lode claims are located on flat terrain on the ridgetop, and on a gentle slope going down to Treasure Creek. Scrub spruce and stands of aspen characterize the ridgetop. On the slope scrub spruce give way to large birch and spruce as drainage and soil cover increase. Loess thickens half-way down the slope, masking bedrock features.

Previous prospecting is evident from a shallow pit in the intrusive, but no effort was expended. An old fallen in cabin on the northeastern part of the claims in a deep loess area could indicate a prospect shaft but no tailings are evident.

The intrusive exposure was sampled in 1988 and found to have gold and silver values as well as high arsenic. Magnetometer work defined a magnetic anomaly a mile northeast of the intrusive. An iron-rich seepage area was discovered downslope to the northeast. The location of the historic placer on Treasure and Vault Creeks points to an up-stream source in the vicinity of the Old Dog claims.

History

The productive Vault and Treasure Creek placers were among those worked in the early 1900's. Because of the depth of overburden, no dredging was done. Drift mining continues today using declines and mechanized haulage. In USGS Bulletin 525 in 1913 L.M. Prindle described the placers:

> The auriferous deposits on Vault Creek extend from No.9 claim above discovery to the mouth of the valley, a distance of 6 miles; on Treasure Creek to a point 3 miles above the mouth; on Wildcat for about one-half mile above its mouth. On Vault Creek above Treasure Creek, however, productive gravels have been found at only one locality, and on Wildcat Creek the deposits so far developed are of low grade. The work on Treasure Creek also indicates interruption of gold deposition. The productive gravels have widths ranging from 25 to 225 feet, a maximum thickness of about 7 feet, and values ranging from 50 cents to $7 to the square foot of bedrock....The gold is in general coarse, very little flour or flaky gold being found.(p.101)

Don Read, presently drift mining Treasure Creek, reports no magnetite or granitic rocks in the gravels.

On the accompanying map, Prindle's location of the productive placer areas is shown. The placer channel is located to the east of present-day Vault Creek, a typical situation in the Fairbanks area where uplift and Pleistocene loess and muck obscure the old creek channels. However, where the placer extends upstream into Treasure Creek, it crosses to the western side of the valley and ends before reaching the head of the valley.

The lode deposits mentioned by Prindle include the well-known Scrafford antimony mine (inactive) and an unknown gold lode:

> In the basin of the first tributary of Treasure Creek from the south, west of Independence Creek, two lodes have been exploited, but according to available reports no considerable amount of development work has been done. Near the mouth of this creek [Eagle Creek] on the eastern slope of the valley, a gold lode is reported to have been located, and south of it, near the head of the basin, a lode carrying mainly stibnite was found. Specimens of the ore from both localities were seen and appear to be of high grade. Some silver minerals are reported to

occur in the lode, but their composition was not determined. (p.196)

The Scrafford property is presently being explored by American Copper and Nickel. Located in the mineralized volcanic-sedimentary sequence identified as the "Cleary Sequence" in the Fairbanks District, the Scrafford mine consists of massive stibnite in a shear zone striking east-west and dipping 55°-60° South. Heavily oxidized zones contain secondary oxides, and assays of chip and channel samples show gold and silver along with the stibnite.

Preliminary assay results of chip and channel samples

Sample Number	Length of channel (ft)	Trace Element Concentrations (ppm) Au	Ag	Cu	Pb	Zn	Sb
225	4	0.87	0.4	64	10	34	11,950
226	4	2.1	0.4	139	8	25	11,900
227	4	0.75	0.3	77	28	97	227
228	3	0.98	0.7	158	5	19	115,000
229	3.5	1.92	0.4	159	10	6	86,000
240	1.5	0.01	0.1	83	20	96	90
241	2	1.41	0.2	104	11	44	38
242	4	3.06	1.3	93	110	193	379
243	1.5	5.70	0.6	92	25	29	13,500
244	1	1.41	0.1	77	12	41	100
245	4	0.01	0.1	59	22	60	55
247	2	0.01	0.0	70	11	50	38
475	2.5	0.01	0.0	66	15	68	1,980
495	3	0.10	0.1	68	15	102	472

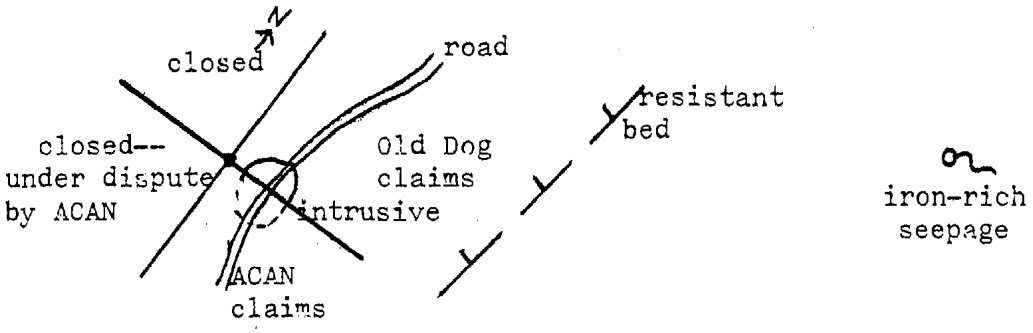
(From, Robinson, M.S. and Bundtzen, T.K. 1982. "Geology of the Scrafford Antimony-gold lode prospect, Fairbanks Mining District Alaska." Alaska Open-file Report 173, State of Alaska, Dept. of Natural Resources, Div. of Geological and Geophysical Surveys)

Antimony was mined during World War I and in 1926-27. Production figures estimate over 2 million pounds of antimony were produced from open cuts.

Economic Geology

A small intrusive (300 feet in surface diameter) is exposed on the ridgetop at the southern limit of the Old Dog claims. Pyrite and arsenopyrite crystals are evident in a fine-grained alaskite. Quartz phenocrysts up to 4mm occur; one phase of the intrusive is almost entirely quartz. Exposed rocks carry 30 to 60 ppm stibnite and 90 to 1950 ppm arsenic. Two samples assayed 140 and 636 ppb gold, and one sample contained .9 ppm silver. This intrusive appears to be a late differentiate, hydrothermally altered by low temperature mineralized fluids. No contact effects are seen in the enclosing schist. Magnetometer surveys across the intrusive do not find any differences between the schist and the intrusive.

The four-wheel drive access road crosses the intrusive. Part of the intrusive is located on adjoining claims under the control of American Copper and Nickel.



Country rock is quartz-mica-schist and micaceous schist. A resistant bed downslope to the east causes a steep slope break which generally parallels the orientation of the ridge.

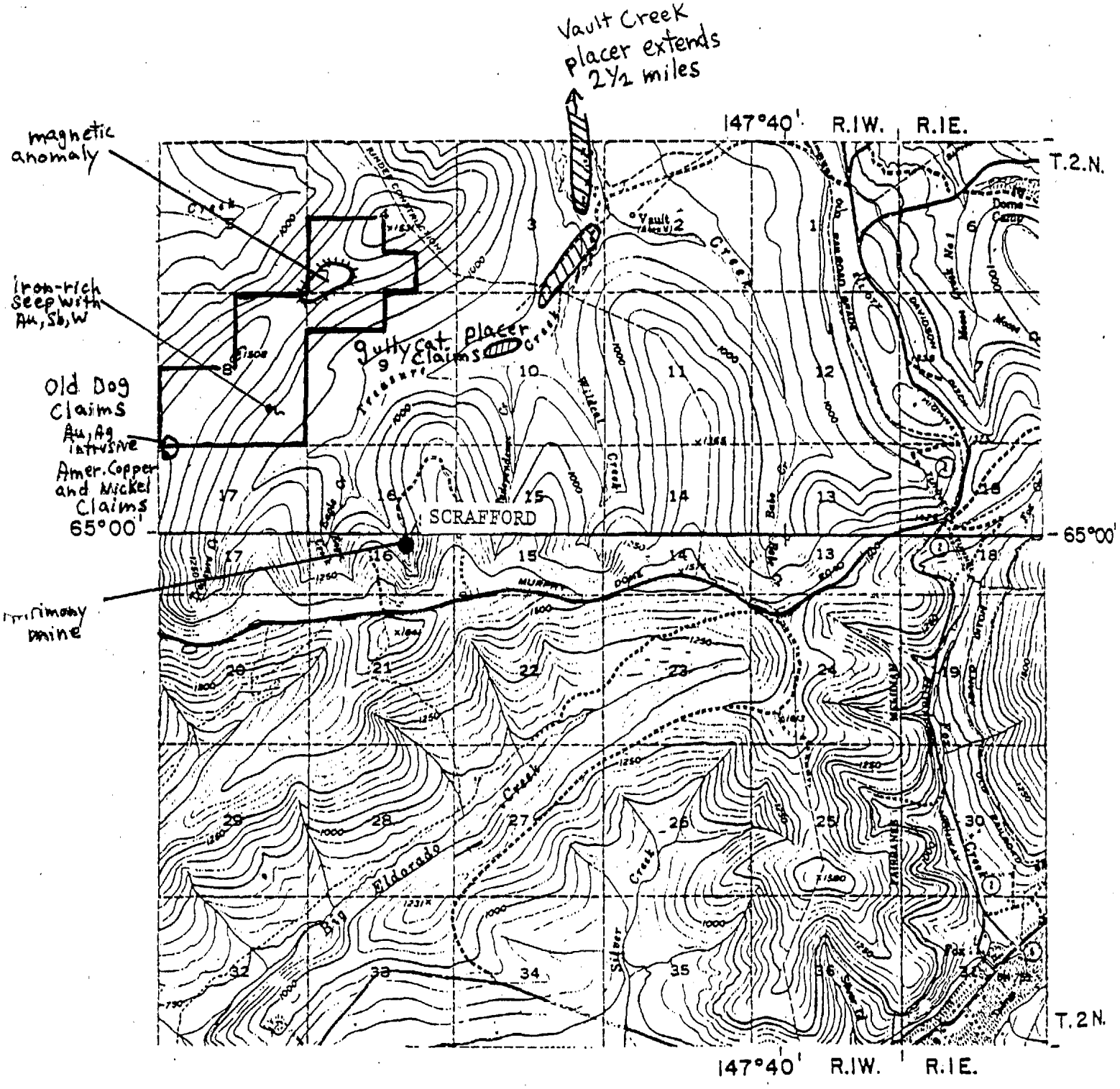
Downslope three-quarters of a mile from the intrusive to the ENE a small iron-rich seepage was discovered in the loess. Schist occurs approximately 600 feet upslope. This eluvial area would have a very small detrital area to draw from. Since iron concretions fix some elements, stream sediments of the iron-rich material were dried and assayed and indicated 14 ppb gold, 333 ppm arsenic, and 3.4 ppm stibnite. A bulk sample taken from the surface to 8 inches depth had traces of arsen-

trated and found to have 51 ppb gold, 50 ppm arsenic, 13 ppm stibnite, and 11 ppm tungsten. The iron-rich sediments fixed arsenic, while the heavies were detected by the pan concentrates. The presence of tungsten is particularly significant since scheelite occurs in many placers in the Fairbanks District:

> Four types of scheelite deposits have been found at scattered intervals along the southern side of the Pedro Dome area in a belt of gold-tungsten mineralization which extends about N. 65° E. ...a distance of about 8 miles. Scheelite occurs chiefly in gold quartz veins which cut thin crystalline limestone beds, a few inches in thickness, or calcareousschist. (Ryers, USGS Bull.1024-I, 1957, p.206)

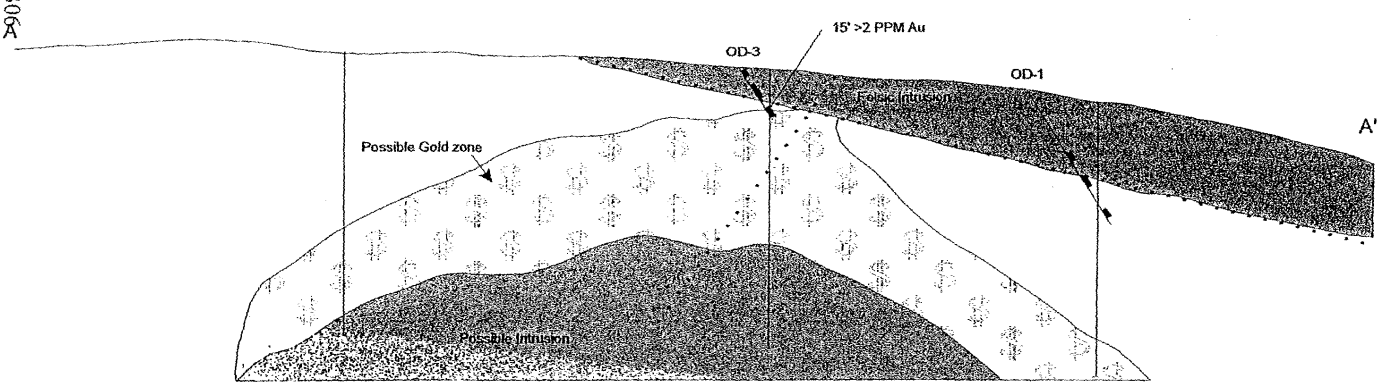
Scheelite occurs in the Cleary Hill mine, the largest lode-gold mine in the district, and is a minor constituent in other gold quartz veins.

In addition to the intrusive and iron-rich seep, reconnaissance magnetometer surveys of the claims located an oval magnetic anomaly (up to 200 gammas) a mile north of the intrusive on the ridge. The circular shape suggests an intrusive cupola at depth. No surface outcrop or alteration effects have been found.



Base from U.S. Geological Survey Fairbanks D-2 (1954, revised 1975) and Livengood A-2 (1954) Quadrangles.

Scale 1 in. = 1 mi



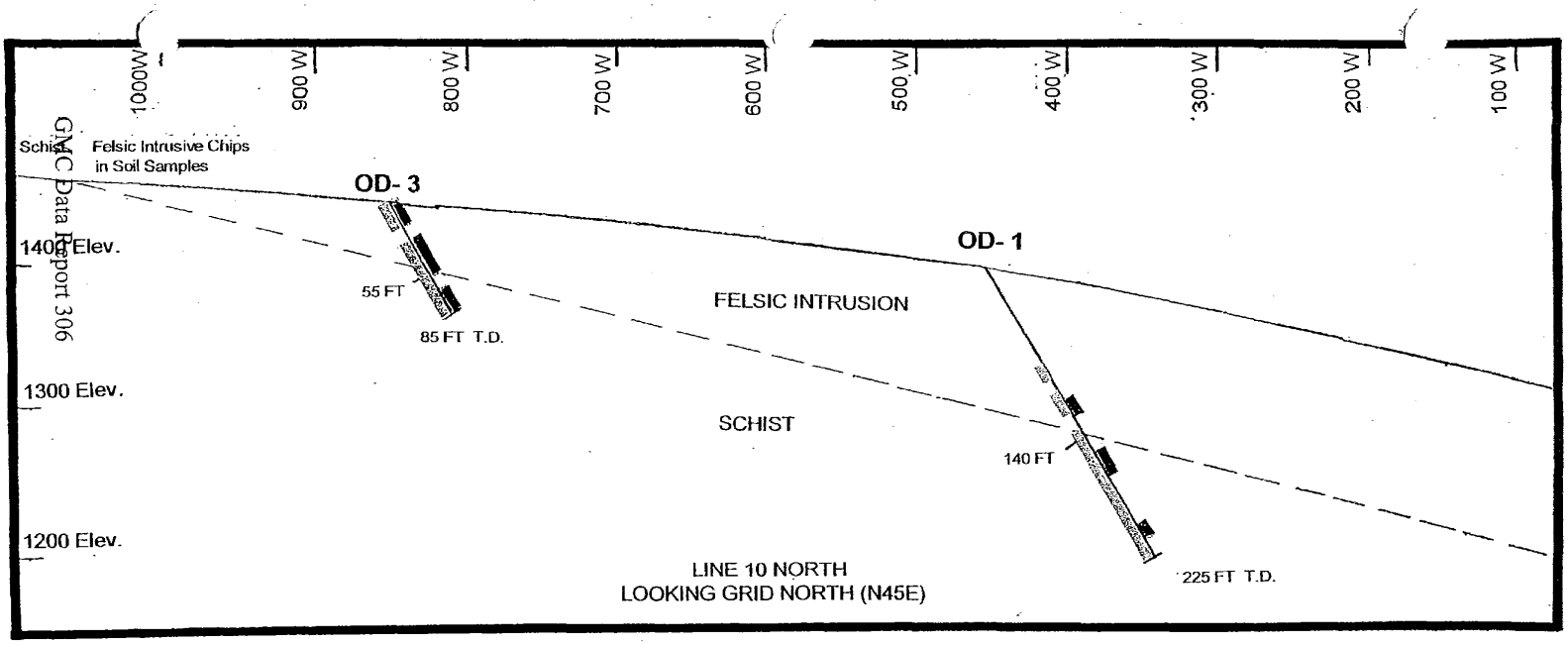
Inferred Fault

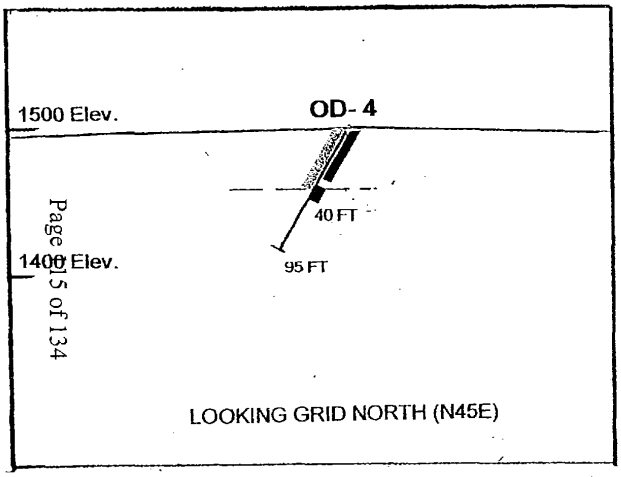
Proposed 1997 Drillhole

OD-3
>0.1 PPM Au
1996 Drillhole

200'
100'
100'
200'

Old Dog Prospect Fairbanks Mining District, Alaska	Date: 3/26/97 Designed: Checked: Approved: Drawn:
1997 Drill Program Section A - A' Looking Northeast	Proj: EGRP 1920
CYPRUS AMAX Minerals Company	





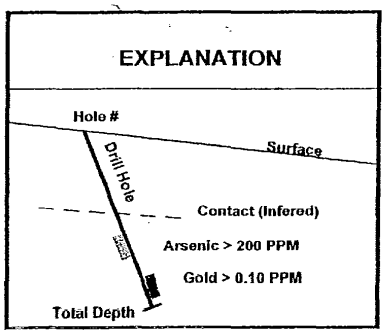


FIGURE 8

CYPRUS AMAX Minerals Company

OLD DOG PROSPECT

FAIRBANKS MINING DISTRICT

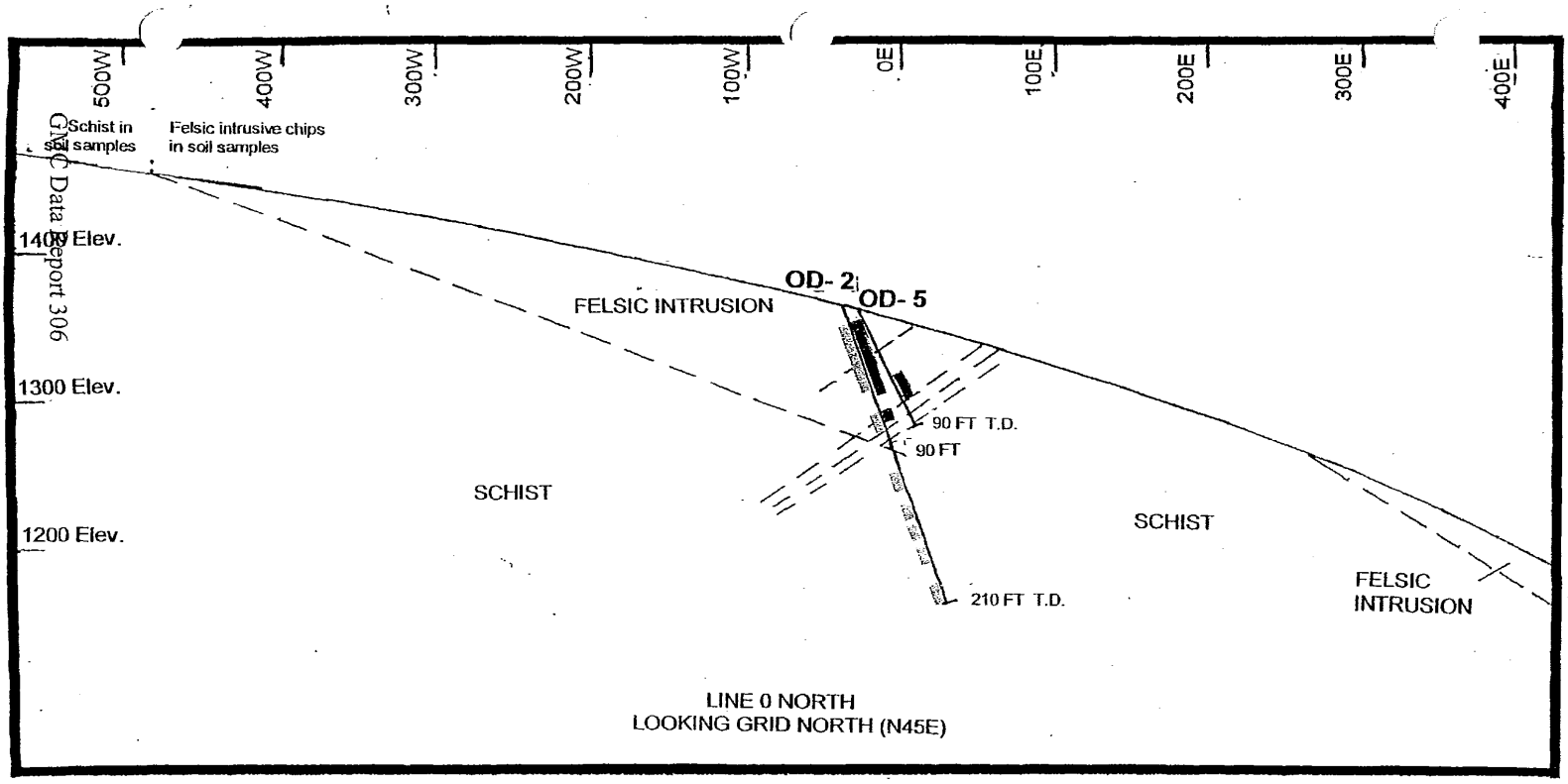
ALASKA

Drill Hole Profiles
OD-1, OD-3 and OD-4

Scale 0 50 100 200 Feet

Map by WOODMAN	Drft	Date 10 / 96

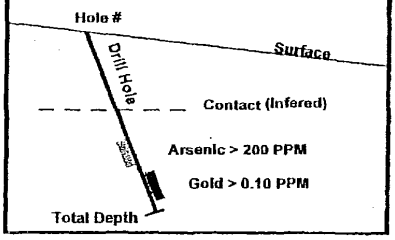
GMC Data Report 306



GMC Data Report 306

FIGURE 9

EXPLANATION



CYPRUS AMAX Minerals Company

OLD DOG PROSPECT

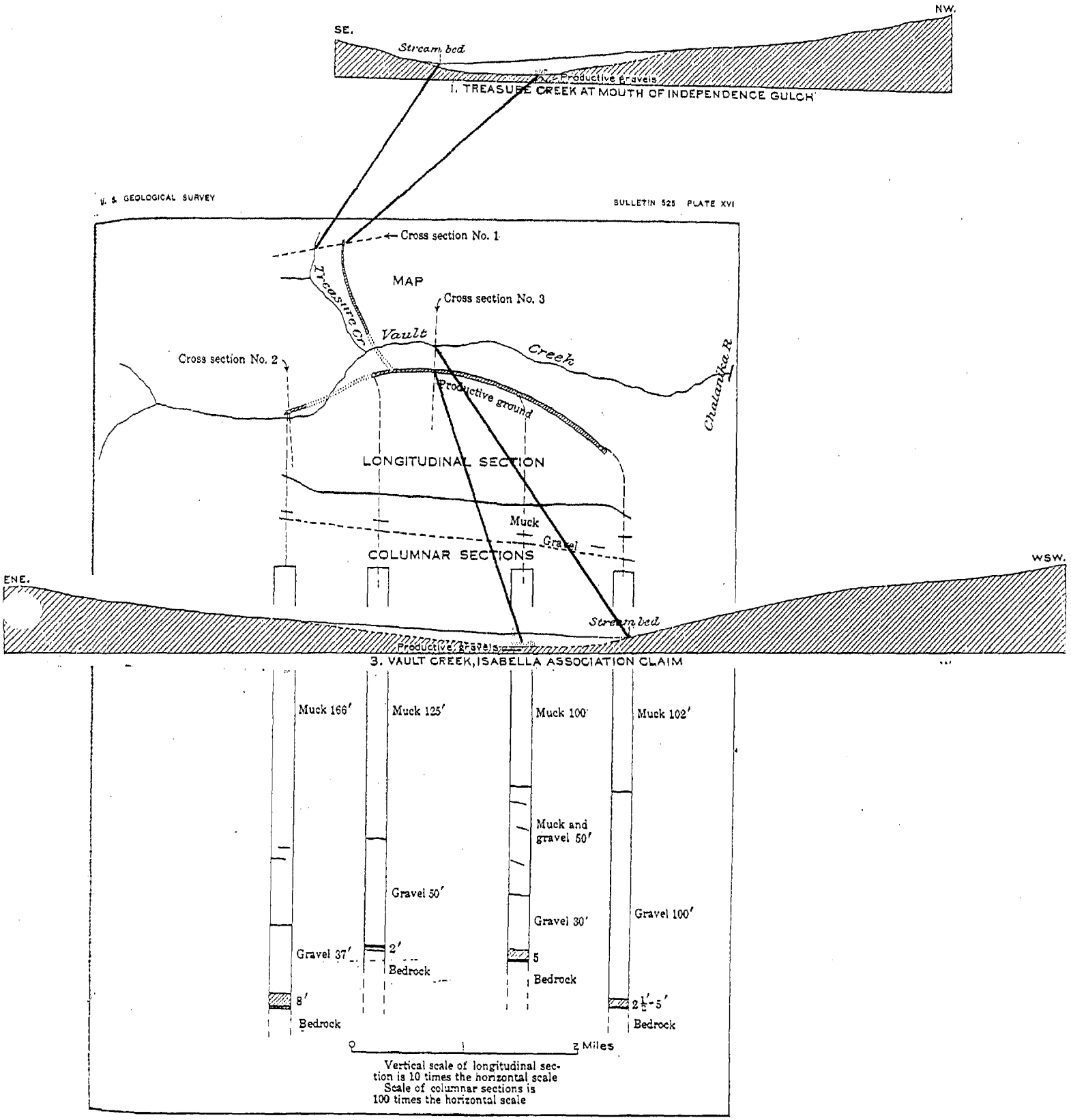
FAIRBANKS MINING DISTRICT

ALASKA

Drill Hole Profiles
OD-2 and OD-5

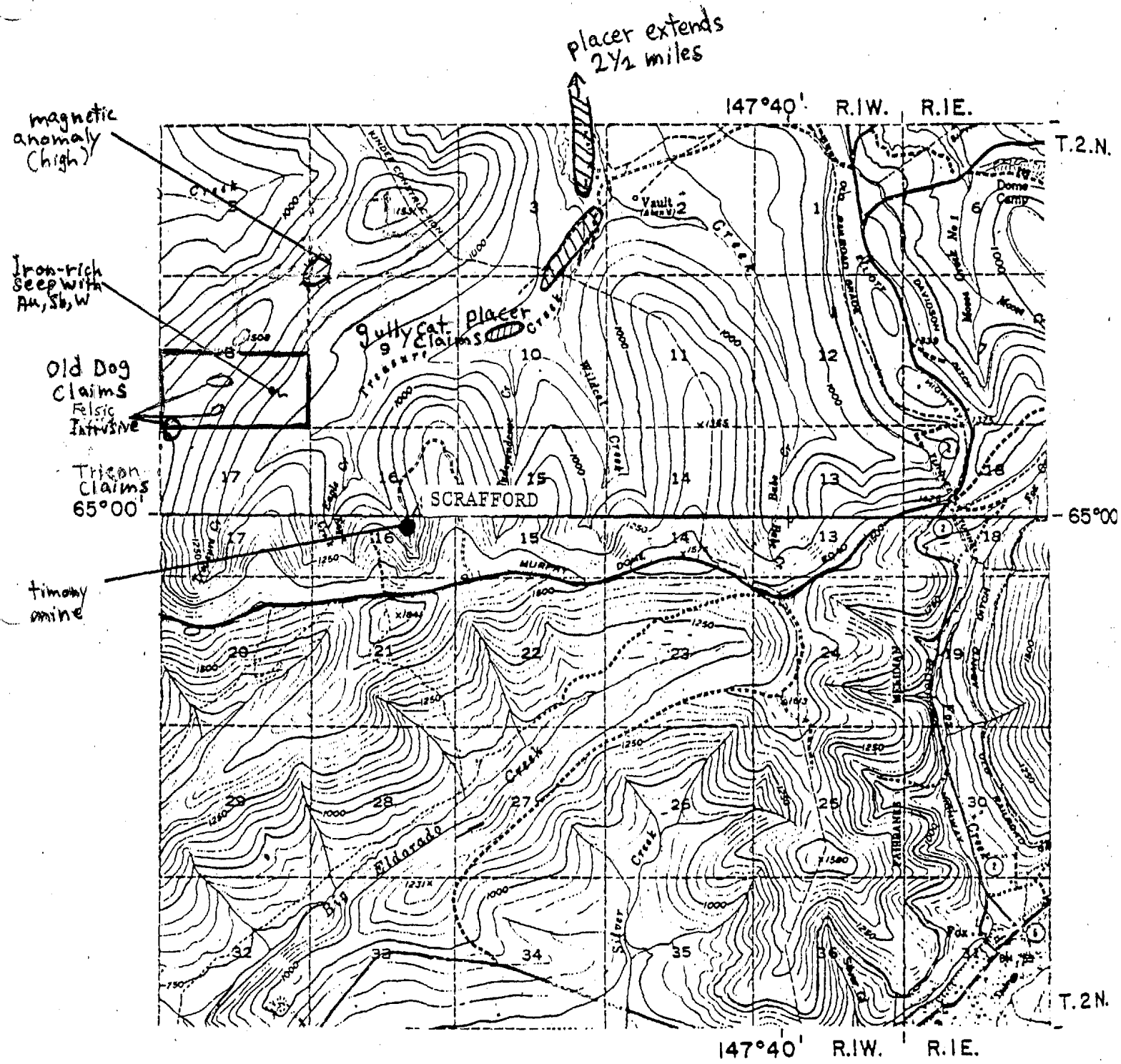
Scale 0 50 100 200 Feet

Map by WOODMAN | Drft | Date 10/96



PRODUCTIVE GROUND EXPLOITED ON VAULT CREEK.

Dashed lines crossing the creek show locations of cross sections given on Plate XIII, longitudinal section shows grade and thickness of muck and gravel, and columnar sections show beds at points indicated.



Base from U.S. Geological Survey Fairbanks D-2 (1954, revised 1975) and Livengood A-2 (1954) Quadrangles.

Scale 1 in. = 1 mi

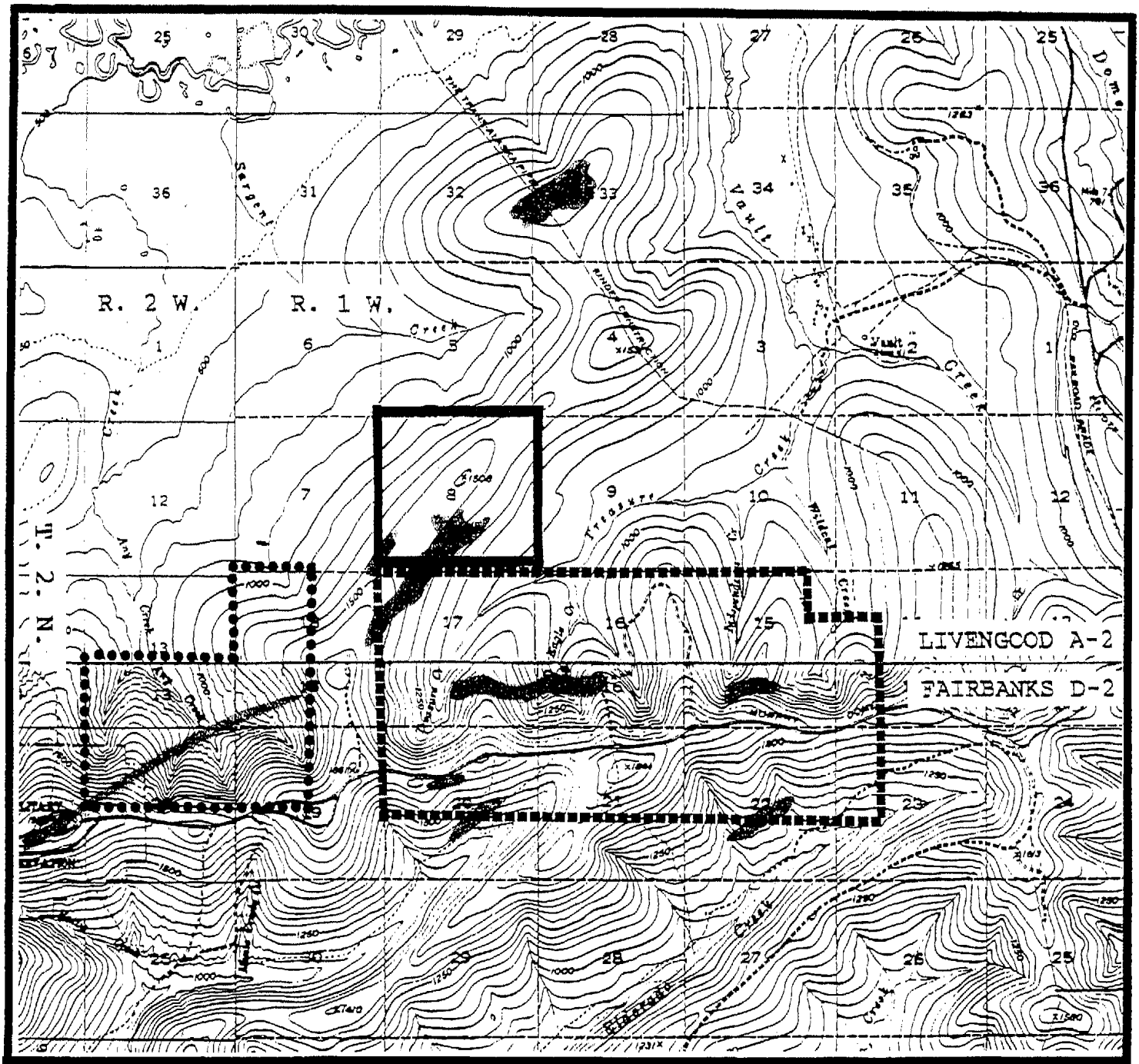


FIGURE 4

EXPLANATION

- Old Dog Prospect
- Any Creek Prospect
- Eagle Creek Prospect (Can - Ex)
- Felsic Intrusions

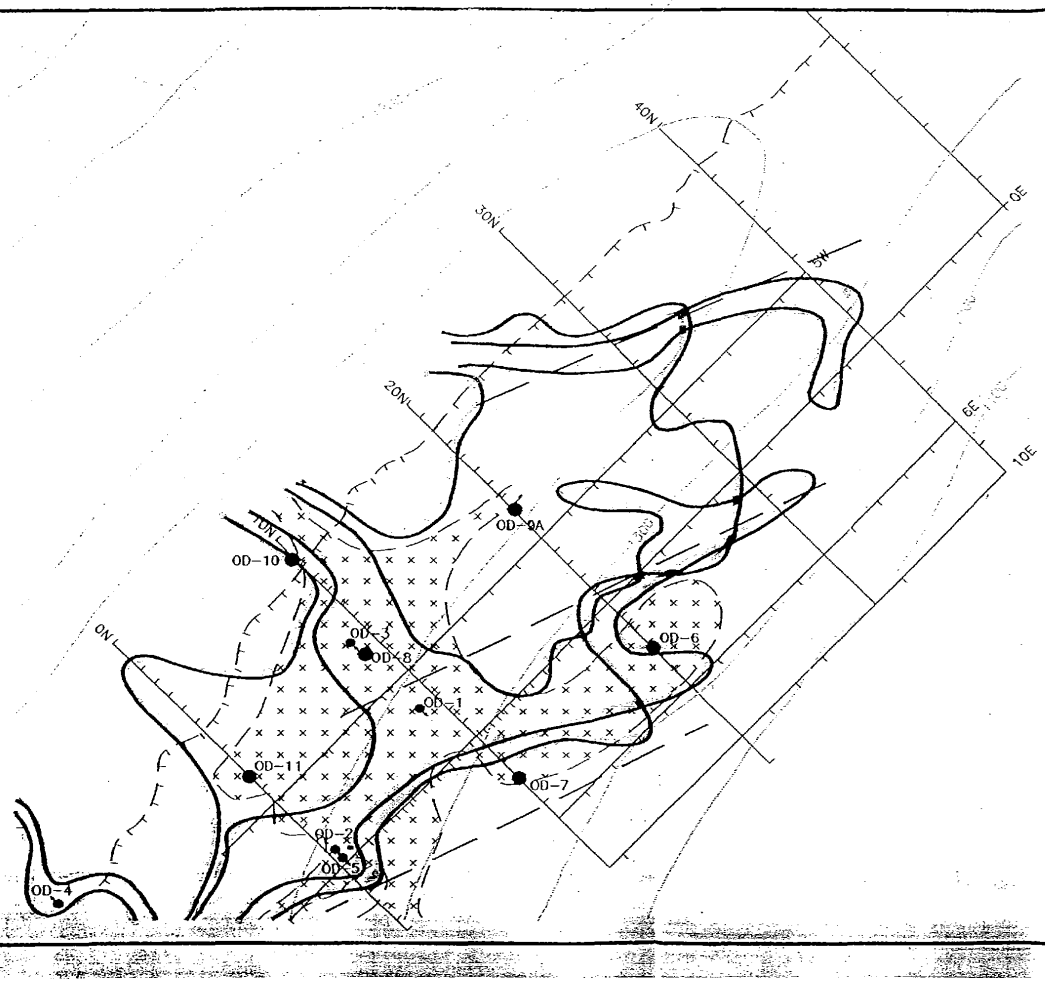
CYPRUS AMAX Minerals Company

FAIRBANKS MINING DISTRICT- WEST ALASKA

PROJECT LOCATION MAP

Scale 0 1/2 1 1: 63,360 2 Miles

Map by DUNCAN	Drft	Date 10 / 96



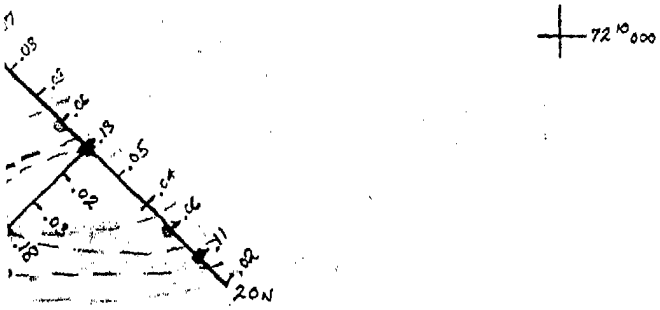
EXPLANATION

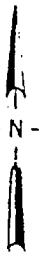
- Soil Samples with >100 ppb Au
- Soil Samples with >200 ppm As
- Soil Sample Grid
- Access Road
- Felsic Intrusion
- Faults
- 1996 Drill Hole
- 1997 Drill Hole

N

1"=500'
0 250 500

Old Dog Prospect Fairbanks Mining District, Alaska	DATE: 11/05/97 DESIGNED: CHECKED: APPROVED: DRAWN: SMW PROJ.: EP01970
Gold and Arsenic Soil Geochemical Anomalies	
CYPRUS AMAX Minerals Company	Figure 5





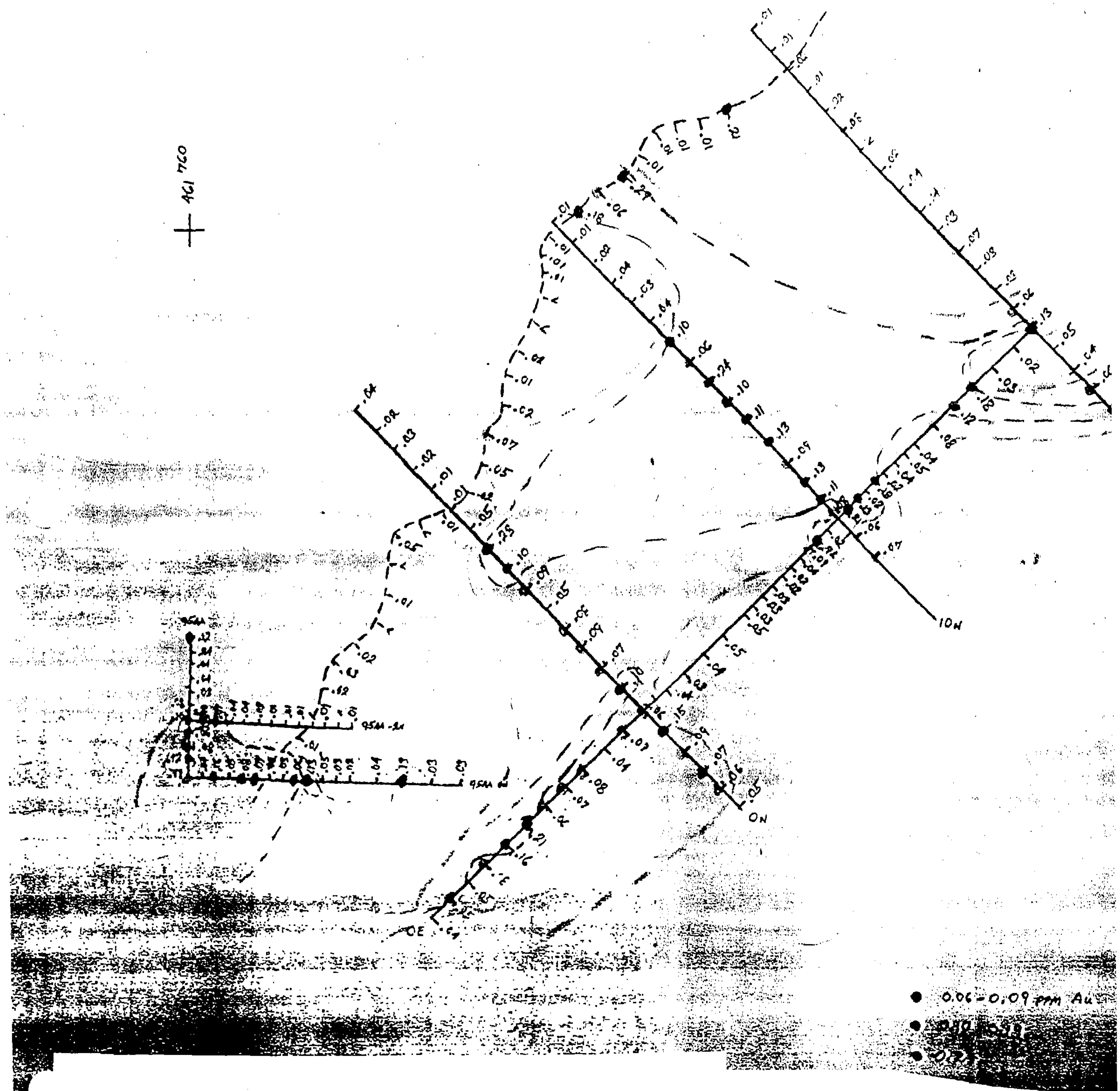
CYPRUS AMAX Minerals Company

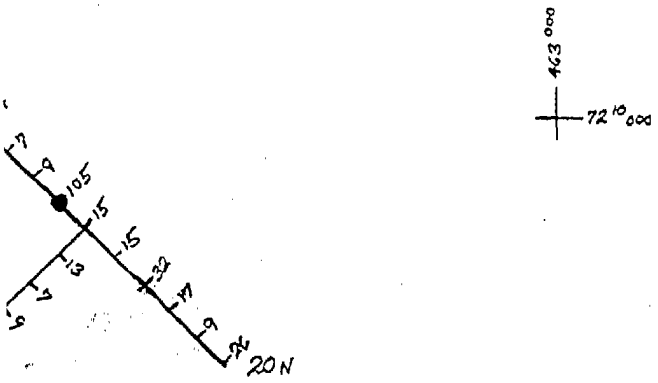
OLD DOG PROSPECT

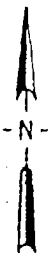
GOLD IN SOILS

FAIRBANKS MINING DISTRICT, ALASKA

0.09 ppm Au


10N
0N
0.06 - 0.09 ppm Au



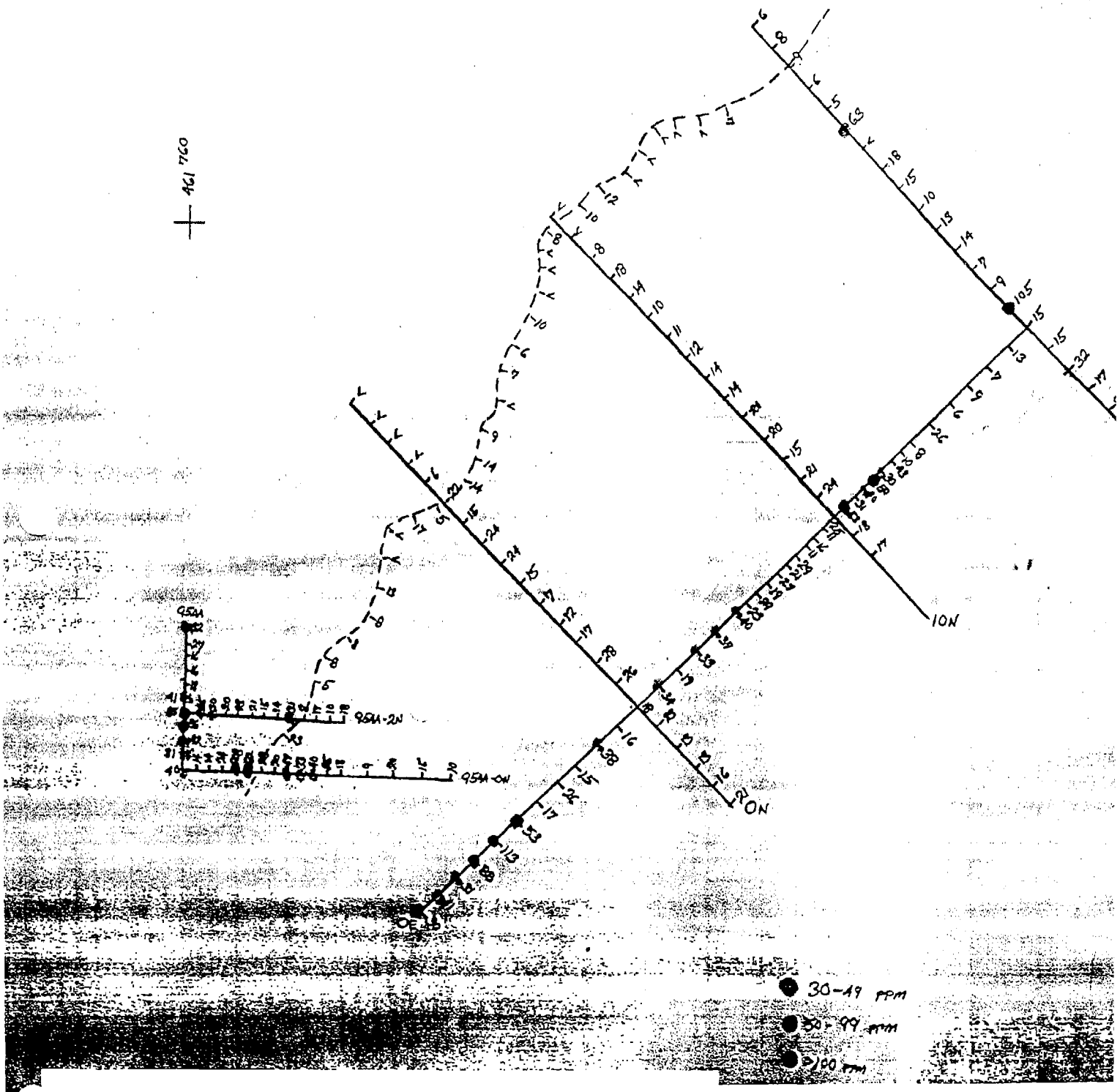


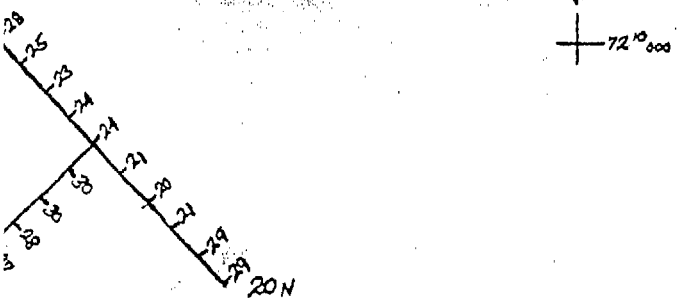
CYPRUS AMAX Minerals Company

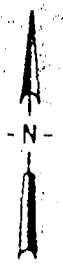
OLD DOG PROSPECT

ANTIMONY IN SOILS

FAIRBANKS MINING DISTRICT
ALASKA


461 760
95M
95M-2N
95M-0N
10N
20N
30E
30-49 ppm
50-99 ppm
>100 ppm





CYPRUS AMAX Minerals Company

OLD DOG PROSPECT

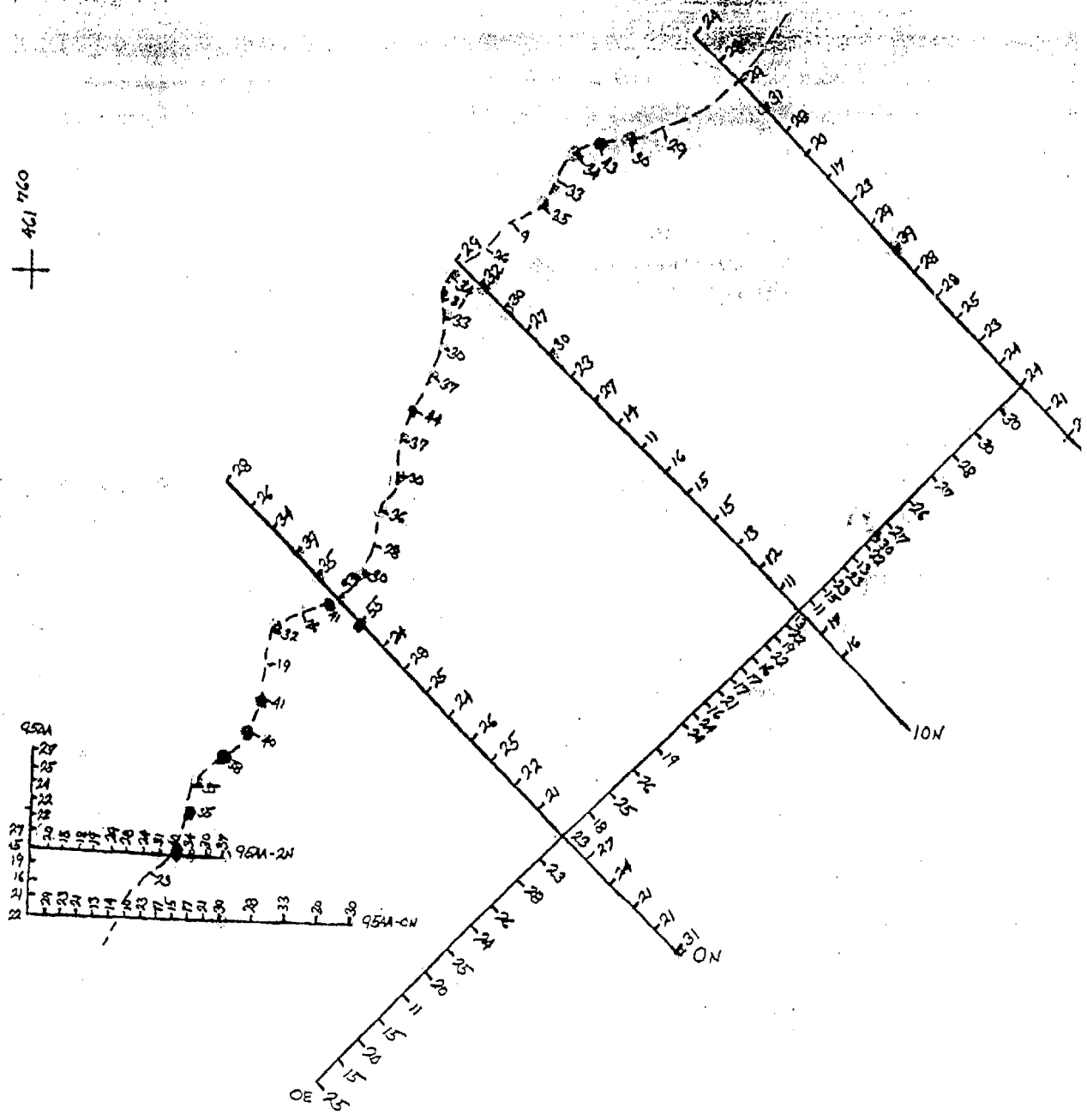
COPPER IN SOILS

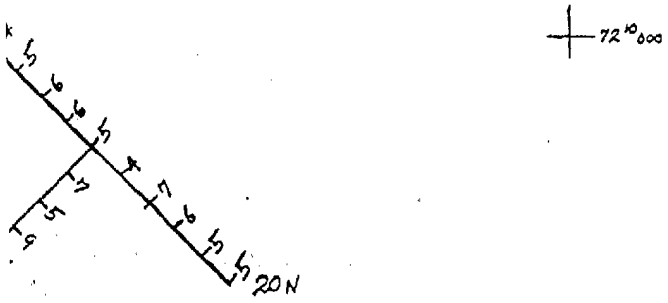
FAIRBANKS MINING DISTRICT
ALASKA

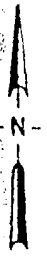
Scale 0 500 1000 FEET

Map by | Drawn | Date

72 09 000


ACI 1760
10N
0N
30E
950A
950A-2N
950A-0N
30-39 ppm
40-49 ppm
>50



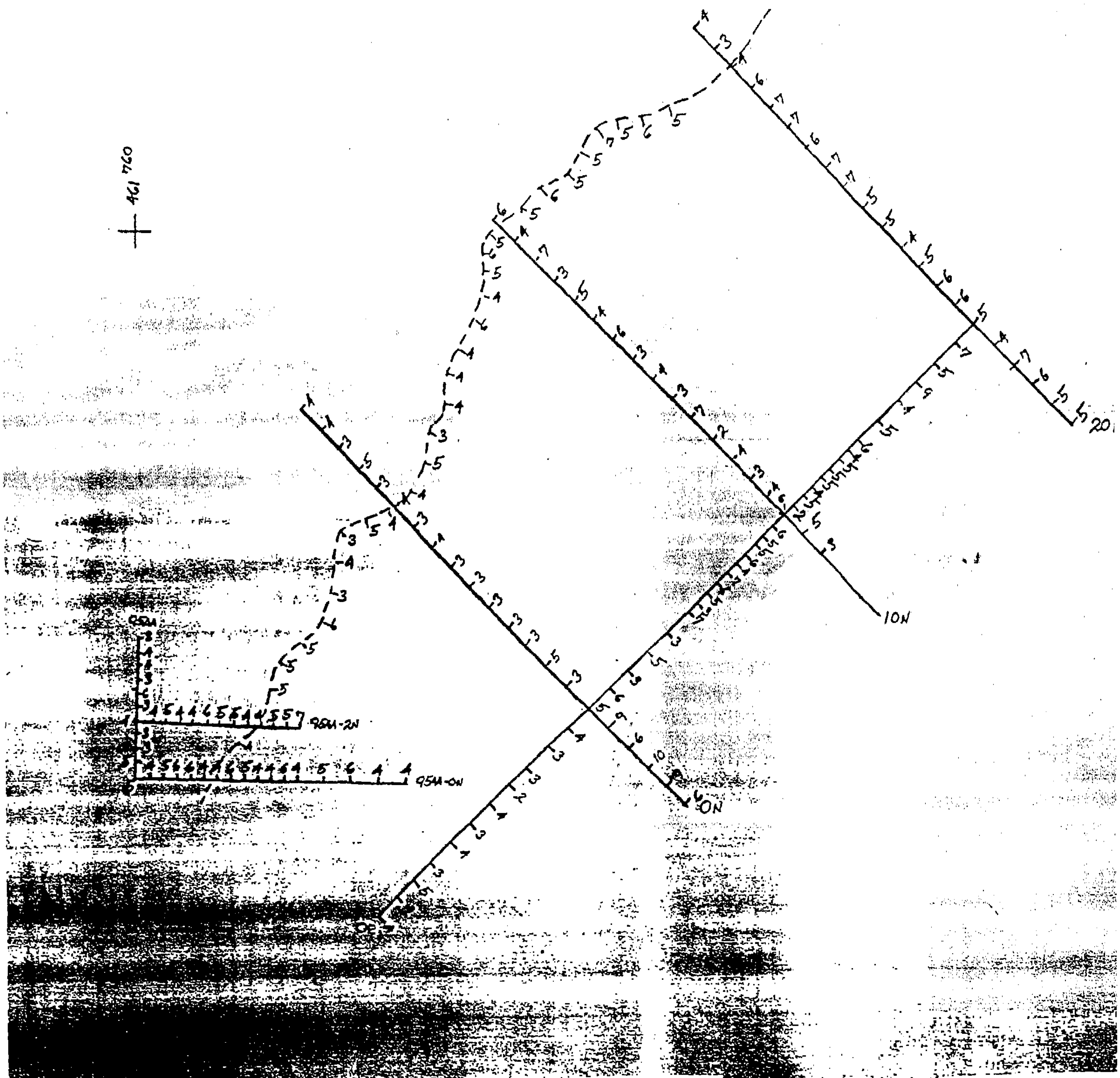


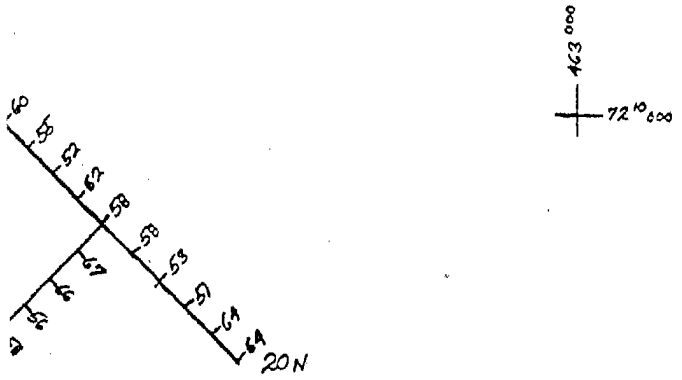
CYPRUS AMAX
Minerals Company

OLD DOG PROSPECT

MOLYBDENUM IN SOILS

FAIRBANKS MINING DISTRICT
ALASKA


461 760
20N
10N
0N
95M-2N
95M-0N

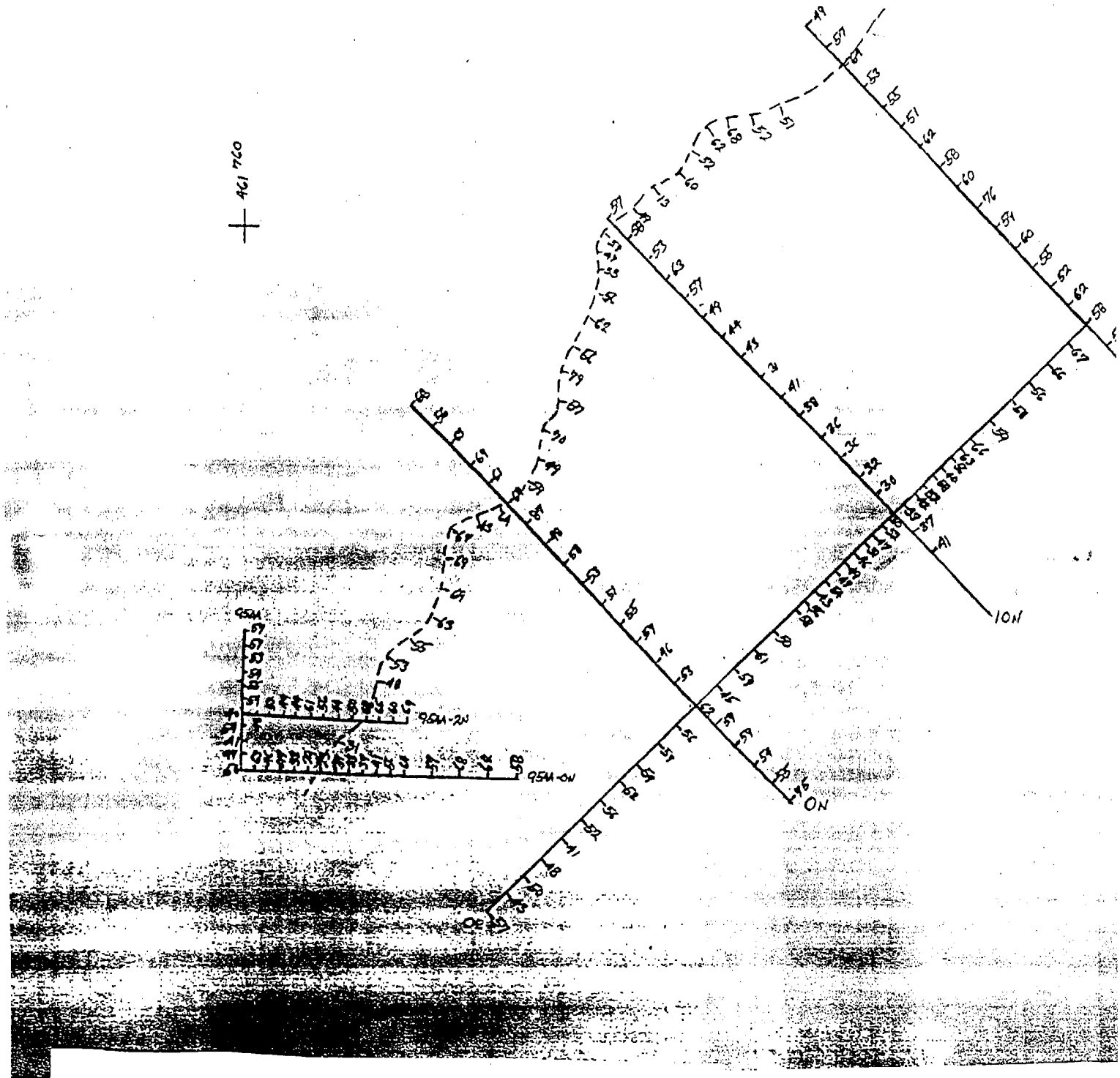


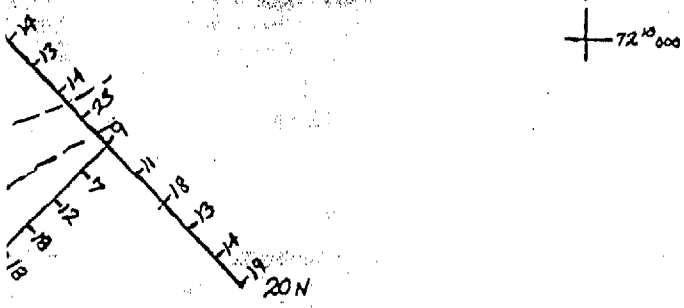
CYPRUS AMAX Minerals Company

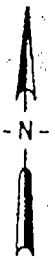
OLD DOG PROSPECT

ZINC IN SOILS

FAIRBANKS MINING DISTRICT
ALASKA


95M-2N
95M-0N
10N
0N





CYPRUS AMAX Minerals Company

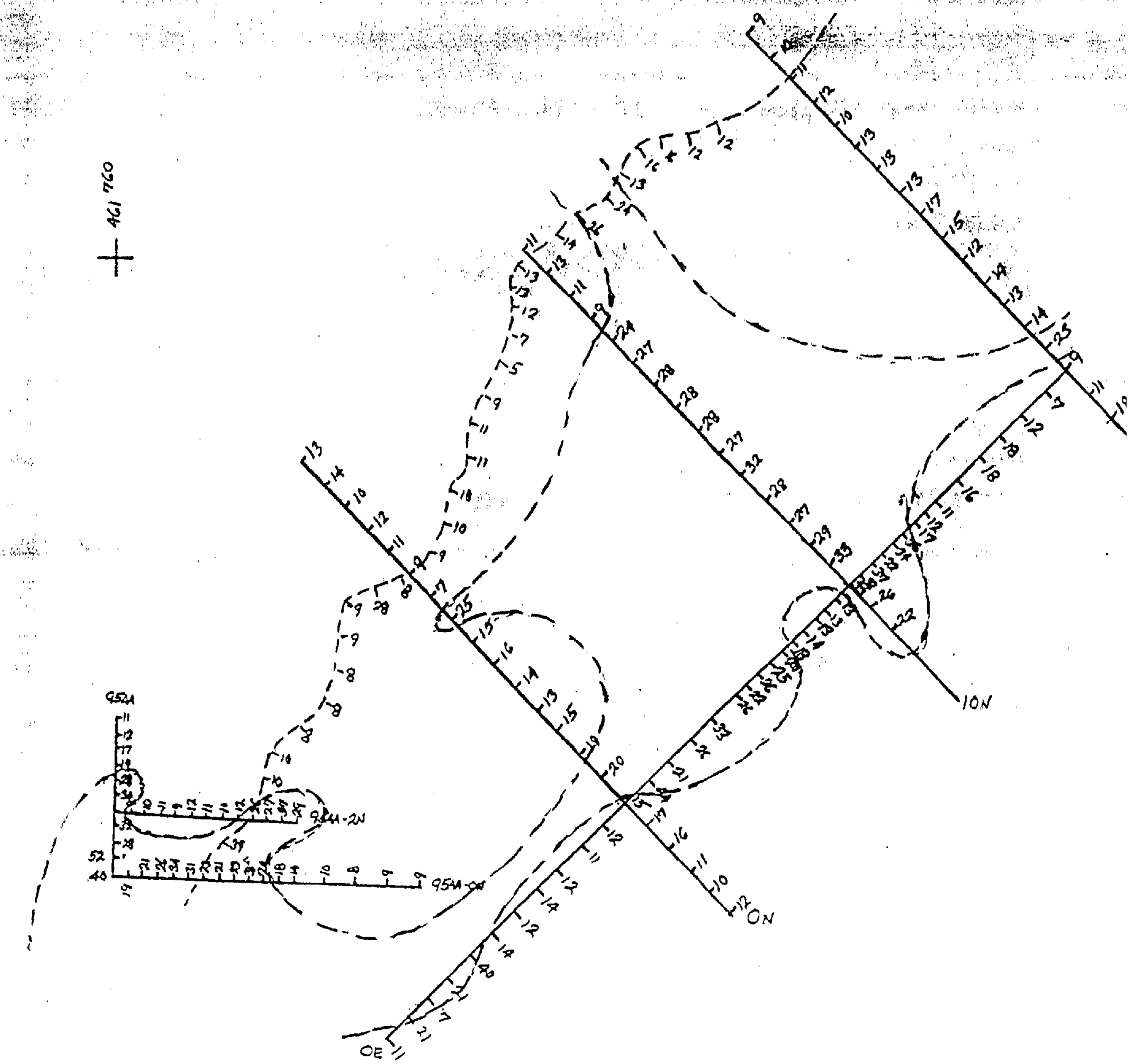
OLD DOG PROSPECT

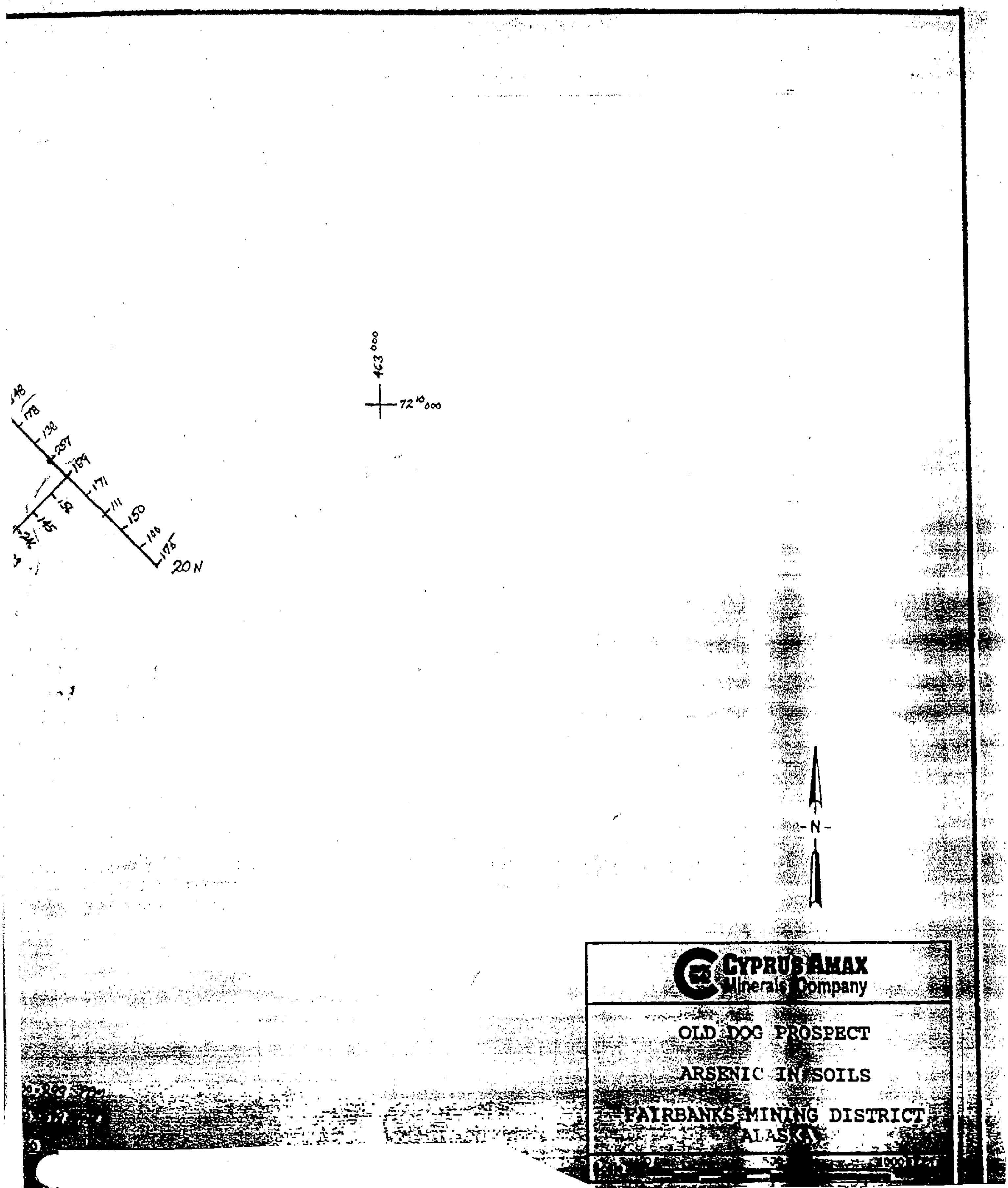
LEAD IN SOILS

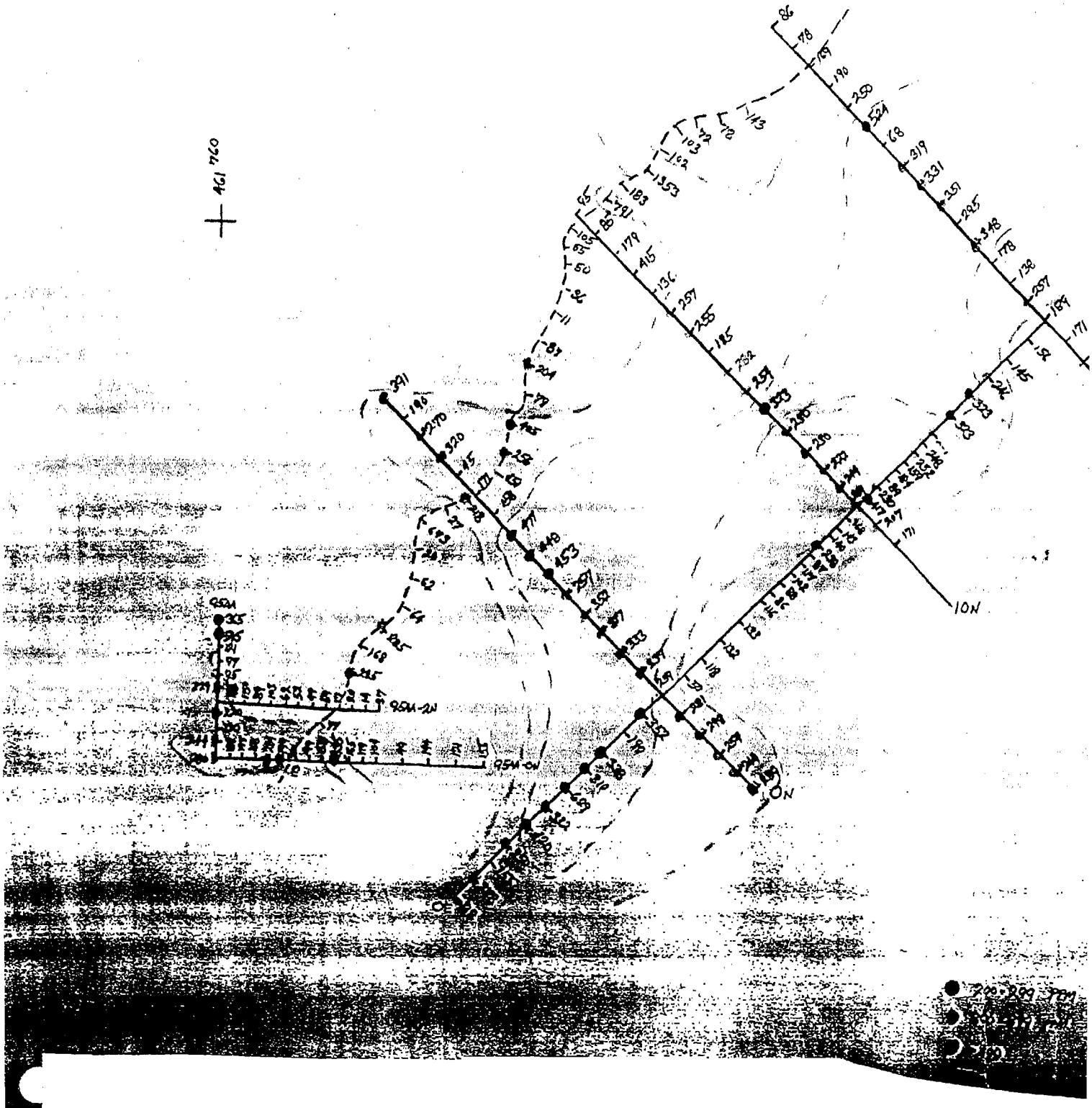
FAIRBANKS MINING DISTRICT
ALASKA

Scale	0 500 1000 FEET		
Map by		Drft	Date

72 09 000


10N
0N
0E


20N
N
CYPRUS AMAX
Minerals Company
OLD DOG PROSPECT
ARSENIC IN SOILS
FAIRBANKS MINING DISTRICT
ALASKA


10N
95M-2N
95M-0N