1990

DRILLING, TRENCHING, GEOCHEMICAL & GEOPHYSICAL REPORT on the ELK PROPERTY

Similkameen Mining Division, B.C.
Siwash Lake Area, British Columbia
NTS: 92H-16W; Lat. 49°50'N; Long. 120°19'W

MAY, 1991 (BC Assessment Report)
VOLUME III: APPENDICES

This report consists of two volumes:

Volume I:	Text
Volume II:	Plates
Volume III	Appendices

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1990

DRILLING, TRENCHING, GEOCHEMICAL & GEOPHYSICAL REPORT

ON THE ELK PROPERTY

Similkameen Mining Division, B.C.
Siwash Lake Area, British Columbia
Latitude $49^{0}50'$N; Longitude $120^{0}19'$W.
NTS: 92H-16W

For

FAIRFIELD MINERALS LTD.
Vancouver, British Columbia

and

PLACER DOME INC.
Vancouver, British Columbia

W. Jakubowski, B.Sc.

CORDILLERAN ENGINEERING LTD.
1980-1055 W. Hastings St.
Vancouver, B.C. V6E 2E9

Date Submitted: May, 1991
Field Period: May 29 to November 2, 1990

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ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE REPORT MAILED: July 12/90

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-4 FILE # 90-2238A
1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: W. JAKUBOWSKI

SAMPLE#	Au** oz/t
SND90-15-6	.001
SND90-15-8	.001
SND90-16-2	.001
SND90-16-4	.001
SND90-16-6	.001
SND90-16-7	.001
SND90-16-9	.001
SND90-16-13	.001
SND90-16-15	.001
SND90-16-16	.001
SND90-16-18	.001
SND90-16-20	.001
SND90-16-23	.001
SND90-16-25	.001
SND90-16-26	.001
SND90-16-28	.001
SND90-17-2	.001
SND90-17-4	.001
SND90-17-6	.001
SND90-17-8	.001
SND90-17-9	.001
SND90-17-12	.002
SND90-17-13	.001
SND90-17-15	.001
SND90-18-1	.001
SND90-18-3	.001
SND90-18-4	.001
SND90-18-6	.001
STANDARD AU-1	.085

AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Core

SAMPLE#	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SND90-15-7	1000	.091	.10	.094
SND90-16-3	1000	.001	ND	.001
SND90-16-8	1000	.503	.54	.519
SND90-16-14	1000	.235	.27	.243
SND90-16-17	1000	.001	ND	.001
SND90-16-19	1000	.006	ND	.006
SND90-16-24	1000	.007	ND	.007
SND90-16-27	1000	.002	ND	.002
SND90-17-3	1000	.071	.09	.074
SND90-17-5	1000	.085	.07	.087
SND90-17-7	1000	.019	ND	.019
SND90-17-10	1000	.065	.01	.065
SND90-17-11	1000	.072	.05	.073
SND90-17-14	1000	.041	ND	.041
SND90-18-2	1000	.139	.13	.143
SND90-18-5	1000	.008	ND	.008

SIGNED BY.. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

PROJECT ELK D90-4 FILE # 90-2238A

MPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
D90-15-7	2	203	144	538	3.6	9	8	1513	4.48	1030	5	2	5	18	11.2	2	5	21	.91	.068	17	23	.41	83	.04	3	.78	.02	.35	12
D90-16-3	3	40	12	105	.2	12	7	3073	3.77	34	5	ND	7	49	.9	2	2	22	2.47	.086	19	32	.62	157	.06	7	.95	.04	.39	13
D90-16-8	3	309	158	61	49.1	12	10	508	8.15	132	5	22	3	3	.5	2	6	2	.14	.043	5	49	.04	15	.01	2	.35	.01	.23	28
D90-16-14	2	363	21	40	22.6	6	9	822	6.36	70	5	5	6	4	.2	2	2	7	.23	.062	11	30	.13	39	.02	5	.53	.01	.31	15
D90-16-17	2	46	2	41	.1	8	6	1699	3.27	8	5	ND	5	14	.2	2	2	15	.56	.069	16	27	.32	100	.03	4	.76	.03	.31	12
D90-16-19	2	242	67	59	1.8	10	5	994	3.94	99	5	ND	6	6	.4	2	2	5	.26	.074	11	33	.12	36	.01	2	.59	.01	.34	17
D90-16-24	2	34	39	115	.1	7	8	1475	3.60	12	6	ND	6	12	.2	2	2	19	.36	.071	18	26	.29	121	.05	11	.86	.03	.32	10
D90-16-27	2	57	171	331	.2	11	11	2855	5.06	34	5	ND	6	8	1.3	2	2	12	.39	.080	15	34	.19	155	.01	7	.61	.02	.31	17
D90-17-3	4	866	438	223	5.6	14	7	582	5.36	201	5	3	4	5	2.2	2	4	3	.16	.049	6	49	.04	21	.01	8	.34	.01	.23	27
D90-17-5	3	1218	308	176	9.9	12	11	865	8.47	116	5	ND	5	3	1.2	2	2	4	.18	.051	6	40	.07	23	.01	2	.39	.01	.26	22
D90-17-7	2	202	321	394	1.0	9	9	1824	6.56	40	5	ND	5	7	1.7	2	2	9	.30	.068	12	37	.18	35	.01	5	.47	.01	.25	19
D90-17-10	3	179	63	100	3.3	6	10	1339	5.54	168	5	ND	5	7	.9	2	4	8	.36	.099	13	34	.19	50	.01	2	.66	.01	.33	18
D90-17-11	3	259	88	114	4.7	8	9	1285	6.25	454	5	ND	4	4	.2	2	2	3	.25	.067	8	37	.12	34	.01	5	.53	.01	.32	22
D90-17-14	3	361	20	53	4.0	10	7	960	5.12	94	5	ND	5	9	.2	2	2	10	.30	.066	13	30	.19	54	.02	3	.61	.02	.26	13
D90-18-2	3	128	13	49	9.2	8	10	1354	4.84	6	7	3	8	33	.2	2	2	34	1.69	.088	16	31	.66	138	.12	9	1.08	.04	.47	14
D90-18-5	2	39	17	85	.1	6	10	1248	4.25	10	6	ND	8	21	.3	2	5	42	.80	.107	24	22	.58	221	.14	6	1.10	.05	.38	8
ANDARD C	18	57	42	132	7.1	67	31	1017	3.97	38	23	6	36	47	17.3	15	18	57	.51	.097	36	56	.91	173	.07	36	1.92	.06	.14	12

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DATE RECEIVED: JUL 3 1990
DATE REPORT MAILED: July 12/9

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-4 FILE # 90-2238
1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: W. JAKUBOWSKI

SAMPLE#	AU* ppb
SND90-15-1	4
SND90-15-2	2150
SND90-15-3	1
SND90-15-4	1
SND90-15-5	220
SND90-15-9	120
SND90-15-10	11
SND90-15-11	1
SND90-15-12	13
SND90-15-13	97
SND90-16-1	3
SND90-16-5	2
SND90-16-10	6
SND90-16-11	1
SND90-16-12	5
SND90-16-21	1
SND90-16-22	4
SND90-16-29	4
SND90-16-30	1
SND90-17-1	11
SND90-18-7	2
SND90-18-8	1
STANDARD AU-R	510

- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY.. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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DATE RECEIVED: AUG 2 1990
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ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-4
1980 - 1055 W. Hastings St., Vancouver BC

FILE # 90-2238R

SAMPLE#	AU** oz/t
SND90-15-2	.037

- SAMPLE TYPE: Core Pulp AU** BY FIRE ASSAY FROM 1 A.T.

SIGNED BY.. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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DATE RECEIVED: JUL 9 1990

DATE REPORT MAILED: July 16/90
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GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-6 FILE # 90-2366 Page 1
1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: W. JAKUBOWSKI

SAMPLE#	AU* ppb
SND90-19-1	7
SND90-20-5	2
SND90-20-7	10
SND90-20-8	2
SND90-20-13	2
SND90-21-1	1
SND90-21-9	4
SND90-21-10	12
SND90-21-11	5
SND90-21-12	4
SND90-21-13	10
SND90-21-17	22
SND90-21-18	7
SND90-21-19	75
SND90-21-23	1380
STANDARD AU-R	530

- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Cordilleran Engineering Ltd. PROJECT ELK D90-6 FILE # 90-2366

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
SND90-19-2	1	17	2	44	.1	8	12	2119	6.87	35	5	ND	2	35	.7	2	2	121	4.83	.172	16	7	.15	24	.09	2	.97	.04	.05	1
SND90-19-4	1	40	57	166	.1	19	17	1209	4.57	57	5	ND	4	54	2.7	2	2	45	2.86	.231	30	7	.41	75	.12	2	1.70	.11	.15	1
SND90-19-5	2	9	2	62	.2	12	8	1065	3.42	76	6	ND	4	75	1.4	2	2	56	4.65	.307	27	8	.35	39	.11	3	1.75	.08	.07	1
SND90-19-6	1	48	7	90	.1	14	16	547	6.18	11	5	ND	3	27	1.4	2	3	95	1.20	.184	22	13	1.24	42	.25	2	1.75	.06	.58	1
SND90-20-1	2	443	2	25	.7	10	20	304	6.74	5	5	ND	4	25	.9	2	6	34	1.12	.110	24	3	.31	19	.13	2	.97	.13	.09	1
SND90-20-3	3	642	12	56	.8	15	33	572	11.19	16	5	ND	7	9	.9	2	4	43	.88	.133	31	3	.81	46	.17	2	.98	.07	.41	1
SND90-20-4	1	995	2	57	1.2	9	15	478	8.50	4	5	ND	9	44	1.5	2	4	59	1.64	.174	39	3	.68	79	.21	3	1.87	.19	.46	1

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DATE REPORT MAILED: Aug. 10/90.
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ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-6 FILE # 90-2366R
1980 - 1055 W. Hastings St., Vancouver BC

SAMPLE#	Au** oz/t
SND90-21-23	.034
SND90-19-2	.001
SND90-19-4	.001
SND90-19-5	.001
SND90-19-6	.001
SND90-20-1	.001
SND90-20-3	.001
SND90-20-4	.001
SND90-19-3	.001
STANDARD AU-1	.102

AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Core Pulp

SIGNED BY. C. Leong, D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
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DATE RECEIVED: JUL 9 1990
DATE REPORT MAILED: July 16/90

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-6 FILE # 90-2366A
1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: W. JAKUBOWSKI

SAMPLE#	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SND90-19-8	1100	.036	ND	.036
SND90-19-11	1140	.010	ND	.010
SND90-20-10	1050	.900	.31	.909
SND90-20-11	1210	.601	.75	.619
SND90-21-3	1090	.005	ND	.005
SND90-21-6	1130	.362	.92	.386
SND90-21-7	1040	.044	.11	.047
SND90-21-15	1110	.003	.03	.004
SND90-21-16	980	.024	ND	.024
SND90-21-21	1200	.004	ND	.004

-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Core

SIGNED BY. C. Leong, D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Au** oz/t
SND90-19-7	.005
SND90-19-9	.001
SND90-19-10	.001
SND90-19-12	.001
SND90-20-6	.001
SND90-20-9	.001
SND90-20-12	.001
SND90-21-2	.001
SND90-21-4	.001
SND90-21-5	.005
SND90-21-8	.003
SND90-21-14	.001
SND90-21-20	.001
SND90-21-22	.001

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DATE RECEIVED: JUL 9 1990
DATE REPORT MAILED: July 16/90

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-6 FILE # 90-2366A
1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: W. JAKUBOWSKI

SAMPLE#	AU** oz/t	PT** oz/t	PD** oz/t
SND90-20-2	.002	.001	.001

AU** PT** PD** BY FIRE ASSAY.
- SAMPLE TYPE: Core

SIGNED BY. C. Leong, D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Cordilleran Engineering Ltd. PROJECT ELK D90-6 FILE # 90-2366A

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
SND90-19-8	6	265	58	104	17.6	28	14	1063	5.15	93	5	ND	10	11	.4	3	2	12	.34	.062	12	347	.11	39	.01	6	.45	.01	.24	12
SND90-19-11	6	117	23	48	1.8	17	8	821	3.01	33	6	ND	9	34	.2	3	2	9	.94	.047	12	186	.45	103	.01	4	.46	.02	.23	12
SND90-20-10	7	1123	362	87	132.9	19	12	562	11.10	256	8	32	11	26	1.9	2	15	5	.68	.145	12	53	.25	19	.01	2	.67	.01	.29	9
SND90-20-11	15	1786	164	58	65.6	27	10	381	8.05	127	5	17	5	10	.5	2	6	7	.29	.083	8	201	.14	9	.01	2	.33	.01	.16	17
SND90-21-3	4	128	12	83	.7	11	8	1532	5.80	7	5	ND	5	9	.2	2	2	36	.36	.091	23	52	.24	103	.04	2	.65	.02	.26	12
SND90-21-6	2	369	188	89	3.7	8	7	124	4.83	97	9	5	5	25	.2	2	11	13	.11	.052	14	41	.05	56	.01	2	.56	.02	.25	12
SND90-21-7	10	296	1684	39	3.9	8	6	56	3.72	195	9	2	4	49	.2	11	10	8	.10	.055	17	55	.04	66	.01	2	.35	.03	.25	10
SND90-21-15	2	38	14	56	.5	7	8	1809	3.01	25	6	ND	7	11	.2	2	3	14	.37	.076	20	55	.17	69	.01	4	.66	.03	.26	8
SND90-21-16	3	287	48	54	3.0	9	11	1628	5.90	73	5	ND	5	8	.2	2	2	8	.32	.064	9	44	.14	23	.01	5	.48	.01	.25	6
SND90-21-21	1	49	95	217	.7	6	10	1702	3.91	99	5	ND	7	13	.2	2	4	23	.44	.076	19	44	.30	198	.05	5	.83	.04	.34	6
STANDARD C	18	60	38	134	7.3	73	32	1047	4.18	42	22	7	37	53	18.5	16	21	56	.54	.097	37	59	.95	183	.07	37	1.98	.06	.14	12

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-6 File # 90-2366A
1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Submitted by: W. JAKUBOWSKI

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** oz/t
SND90-19-3	1	17	6	52	.6	24	15	572	19.83	30	6	ND	2	147	2.4	2	2	267	2.73	.102	11	33	.48	594	.15	2	.88	.02	.02	1	.001

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU** BY FIRE ASSAY FROM 1 A.T.

DATE RECEIVED: JUL 9 1990 DATE REPORT MAILED: July 16/90 SIGNED BY. C. Leong, D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUL 24 1990

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GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-8 FILE # 90-2807 Page 1

1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	AU* ppb
SND90-18-3A	3
SND90-22-1	700
SND90-22-2	1
SND90-22-7	2
SND90-22-8	1
SND90-22-17	19
SND90-22-21	12
SND90-22-22	3
SND90-22-28	1
SND90-22-29	1
SND90-22-30	35
SND90-22-31	4
SND90-22-32	12
SND90-22-33	1
SND90-23-1	3160
SND90-23-2	42
SND90-23-7	10
SND90-23-8	7
SND90-23-9	47
SND90-23-10	6
SND90-24-1	10
SND90-24-2	5
SND90-24-7	1
SND90-24-8	4
SND90-24-12	3
SND90-24-13	2
SND90-24-17	1
SND90-24-18	21
SND90-24-19	1
SND90-25-1	7
SND90-25-2	60
SND90-25-3	2
SND90-25-11	1
SND90-25-15	11
SND90-25-16	62
SND90-25-17	6
STANDARD AU-R	490

SAMPLE#	AU* ppb
SND90-25-18	16
SND90-25-19	48
SND90-26-1	35
SND90-26-2	7
SND90-26-9	19
SND90-26-10	93
SND90-27-1	8
SND90-27-2	2
SND90-27-23	12
SND90-27-24	29
SND90-27-25	60
SND90-28-1	21
SND90-28-2	68
SND90-28-21	20
SND90-28-25	1
STANDARD AU-R	510

- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-8
1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9

FILE # 90-2807A
Attn: PAUL CONROY

SAMPLE#	Au** oz/t
SND90-22-3	.001
SND90-22-6	.001
SND90-22-9	.001
SND90-22-11	.001
SND90-22-14	.001
SND90-22-16	.001
SND90-22-18	.001
SND90-22-20	.001
SND90-22-23	.001
SND90-22-25	.002
SND90-22-27	.001
SND90-23-3	.001
SND90-23-5	.001
SND90-23-6	.001
SND90-24-3	.001
SND90-24-6	.001
SND90-24-9	.001
SND90-24-11	.001
SND90-24-14	.001
SND90-24-16	.001
SND90-25-4	.001
SND90-25-6	.001
SND90-25-10	.001
SND90-25-12	.001
SND90-25-14	.001
SND90-26-3	.001
SND90-26-4	.001
SND90-26-8	.001
SND90-27-3	.001
SND90-27-4	.001
SND90-27-6	.001
SND90-27-7	.001
SND90-27-9	.001
SND90-27-11	.001
SND90-27-12	.001
SND90-27-14	.001
STANDARD AU-1	.102

SAMPLE#	Au** oz/t
SND90-27-16	.001
SND90-27-17	.001
SND90-27-19	.001
SND90-27-20	.001
SND90-27-22	.001
SND90-28-3	.001
SND90-28-5	.001
SND90-28-7	.001
SND90-28-11	.001
SND90-28-13	.001
SND90-28-16	.013
SND90-28-19	.002
SND90-28-20	.001
SND90-28-22	.002
SND90-28-24	.001
STANDARD AU-1	.101

AU** BY FIRE ASSAY FROM 1 A.T.
SAMPLE TYPE: Core

DATE RECEIVED: JUL 24 1990
DATE REPORT MAILED: July 31/90

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-8 File # 90-2807A
1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Submitted by: PAUL CONROY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SND90-22-4	1	29	15	34	.3	5	6	926	2.89	33	5	ND	10	9	.2	2	3	13	.28	.055	35	20	.13	114	.02	4	.41	.03	.14	7	1600	.009	ND	.009
SND90-22-5	2	100	9	90	.9	7	8	1318	4.96	53	5	ND	9	8	1.3	2	2	21	.33	.074	28	30	.15	67	.01	9	.49	.04	.18	14	1200	.012	ND	.012
SND90-22-10	2	63	5	51	.2	7	15	1330	3.61	25	8	ND	10	12	.2	2	5	21	.44	.081	25	18	.35	134	.06	2	.77	.03	.31	4	1400	.010	ND	.010
SND90-22-12	1	173	144	124	1.9	7	11	595	3.36	151	15	ND	10	24	.9	2	3	8	.28	.063	19	28	.07	77	.01	4	.49	.02	.20	11	1250	.058	.15	.062
SND90-22-13	1	168	131	96	2.1	4	8	1252	4.30	43	5	ND	8	9	1.1	2	6	14	.30	.068	14	14	.21	76	.02	4	.54	.02	.25	4	1450	.037	.01	.037
SND90-22-15	1	112	6	44	.2	4	9	1011	3.79	13	5	ND	10	11	.3	2	2	24	.40	.070	21	15	.40	158	.07	3	.81	.05	.34	6	1350	.001	ND	.001
SND90-22-19	1	47	2	37	.1	3	9	720	2.79	12	5	ND	9	13	.2	2	2	23	.38	.071	18	15	.38	157	.07	5	.83	.05	.30	3	1150	.001	ND	.001
SND90-22-24	1	31	8	43	.1	5	9	1379	2.98	7	5	ND	7	15	.2	2	3	19	.54	.074	22	15	.33	126	.04	5	.77	.04	.32	6	1450	.003	ND	.003
SND90-22-26	1	62	2	48	.2	3	8	1527	3.28	16	5	ND	5	11	.3	2	3	17	.43	.076	17	13	.28	107	.03	2	.70	.03	.27	3	1400	.001	ND	.001
SND90-23-4	2	397	481	194	7.3	5	11	1293	5.56	144	12	2	6	13	2.3	4	2	7	.25	.061	14	17	.11	38	.01	8	.67	.01	.32	8	1300	.040	.06	.041
SND90-24-4	1	228	141	64	4.8	6	3	557	2.80	88	6	ND	11	4	.5	2	5	2	.07	.016	11	26	.02	69	.01	6	.21	.01	.13	11	1500	.077	.14	.080
SND90-24-5	3	956	504	190	14.8	10	5	238	4.56	311	29	3	8	6	4.6	6	5	1	.03	.004	5	39	.01	33	.01	5	.19	.01	.11	19	1350	.196	.52	.207
SND90-24-10	5	348	143	144	5.3	5	10	1013	5.88	196	27	2	10	6	1.8	3	2	3	.09	.016	10	21	.06	48	.01	5	.20	.01	.12	9	1650	.094	.09	.096
SND90-24-15	3	105	286	250	1.1	5	8	1884	4.36	574	8	ND	6	7	1.2	2	2	13	.32	.067	14	21	.17	103	.01	3	.51	.02	.29	8	1450	.004	ND	.004
SND90-25-5	4	115	3404	963	3.6	9	5	232	2.25	393	223	ND	12	11	27.5	10	2	3	.06	.014	14	31	.02	84	.01	5	.26	.01	.14	16	1150	.031	ND	.031
SND90-25-7	2	95	82	48	.2	11	3	540	2.07	48	8	ND	10	10	.2	2	3	2	.05	.010	11	45	.02	81	.01	7	.25	.01	.15	23	1000	.002	ND	.002
SND90-25-8	2	74	89	59	.2	6	3	687	1.88	31	13	ND	13	11	.4	2	4	2	.06	.011	15	31	.03	84	.01	2	.23	.01	.14	14	1300	.002	ND	.002
SND90-25-9	2	142	87	44	1.7	8	3	598	3.06	51	7	ND	11	5	.3	2	3	1	.05	.008	10	37	.02	61	.01	2	.20	.01	.15	18	1600	.010	ND	.010
SND90-25-13	2	69	80	54	1.2	9	4	542	2.10	32	12	ND	11	11	.2	2	2	2	.04	.007	13	36	.02	135	.01	4	.21	.02	.12	17	1250	.027	.01	.027
SND90-26-5	4	160	666	351	4.3	5	5	596	2.68	84	68	ND	7	8	5.9	37	2	2	.10	.019	12	24	.03	62	.01	6	.31	.01	.19	11	1300	.010	ND	.010
SND90-26-6	15	639	2463	2206	82.4	15	11	74	2.92	61	87	13	3	11	28.9	19	42	3	.05	.010	6	54	.02	41	.01	3	.17	.01	.09	23	1300	.413	4.56	.516
SND90-26-7	3	143	135	147	1.7	7	10	915	4.45	41	19	ND	9	40	1.2	2	5	30	.36	.090	18	33	.22	71	.07	5	.66	.03	.31	12	1100	.011	.02	.012
SND90-27-5	2	1107	18	79	3.4	5	2	1072	2.86	25	5	2	11	5	.5	2	5	7	.12	.024	21	29	.11	73	.01	4	.38	.04	.20	14	1200	.072	.90	.094
SND90-27-8	5	3271	3196	1091	44.8	10	3	179	7.32	1544	10	58	10	9	31.2	10	64	2	.05	.008	8	40	.02	28	.01	3	.26	.01	.17	15	1300	1.485	3.13	1.555
SND90-27-10	2	102	62	72	.4	6	2	669	2.01	33	5	ND	12	10	.6	2	2	5	.11	.022	24	27	.06	55	.01	3	.29	.03	.16	13	1550	.016	.19	.020
SND90-27-13	3	129	88	84	.9	7	1	431	1.76	41	5	ND	15	5	.5	2	3	2	.09	.016	14	32	.03	29	.01	4	.29	.02	.19	16	1150	.014	.08	.016
SND90-27-15	2	480	118	85	4.8	7	4	473	4.10	75	5	ND	11	3	.6	2	4	1	.06	.015	7	34	.03	24	.01	4	.26	.01	.18	19	1450	.078	.26	.083
SND90-27-18	2	100	80	69	.4	8	4	564	2.49	31	9	ND	11	9	.8	2	5	2	.06	.012	10	39	.02	62	.01	2	.24	.01	.15	19	1300	.006	ND	.006
SND90-27-21	8	743	1490	722	5.0	18	15	672	11.61	251	1597	3	25	12	14.8	24	2	9	.06	.018	14	29	.02	21	.01	2	.27	.01	.13	20	1300	.049	.35	.057
SND90-28-4	3	97	4338	43	11.1	8	4	310	2.37	147	17	ND	10	16	.6	2	3	2	.11	.017	17	35	.03	35	.01	5	.34	.02	.18	17	1250	.040	.03	.041
SND90-28-6	2	142	32	47	1.2	7	3	461	2.17	99	9	ND	10	9	.2	2	2	2	.09	.020	11	22	.03	105	.01	2	.30	.01	.19	12	1650	.006	ND	.006
SND90-28-9	4	107	46	46	3.4	7	3	162	2.05	42	5	ND	7	2	.2	2	2	1	.05	.013	5	37	.01	27	.01	3	.31	.01	.22	18	1600	.010	.02	.010
SND90-28-9 EXTRA	2	256	31	24	2.2	3	4	394	3.56	69	5	ND	9	2	.2	2	4	1	.08	.020	6	15	.03	19	.01	2	.20	.01	.15	7	1400	.026	ND	.026
SND90-28-10	2	106	19	28	.7	8	3	730	2.34	35	5	ND	11	5	.2	2	3	6	.12	.023	15	32	.09	51	.01	4	.43	.04	.23	15	1300	.013	.03	.014
SND90-28-12	2	76	680	60	2.5	5	3	1226	2.28	13	6	ND	11	4	.5	2	2	5	.12	.023	30	20	.07	39	.01	4	.38	.03	.20	10	1100	.016	ND	.016
SND90-28-14	2	57	23	32	.1	4	2	661	1.58	4	5	ND	12	7	.3	2	2	8	.13	.024	24	22	.14	62	.03	4	.36	.05	.17	10	1450	.001	ND	.001
STANDARD C	18	58	37	132	6.7	72	31	1036	4.01	43	18	7	36	52	18.6	15	20	55	.56	.095	36	55	.94	179	.07	35	1.93	.06	.14	11	-	-	ND	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Core

DATE RECEIVED: JUL 24 1990 DATE REPORT MAILED: July 31/90 SIGNED BY C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-8

FILE # 90-2807AR

SAMPLE#	Ag** oz/t	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SND90-27-21	.09	1500	.074	.24	.079
SND90-28-4	.30	1000	.061	.06	.063

-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE REJ.

SIGNED BY C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

DATE RECEIVED: JAN 24 1991
DATE REPORT MAILED: RECEIVED Feb 7/91

Cordilleran Engineering Ltd. PROJECT ELK D90-8 FILE # 90-2807A

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SND90-28-15	2	110	10	36	1.8	4	3	789	1.98	15	5	ND	12	4	.2	2	3	6	.11	.020	18	23	.11	47	.02	3	.33	.03	.17	10	1550	.020	ND	.020
SND90-28-17	2	156	135	64	5.2	3	5	1093	2.88	112	5	3	9	3	.4	2	2	3	.11	.023	14	22	.05	27	.01	3	.30	.01	.18	8	1550	.085	3.08	.143
SND90-28-18	2	75	14	34	.7	4	4	1478	2.36	70	5	ND	9	4	.2	2	2	4	.13	.023	19	29	.08	37	.01	11	.31	.02	.17	13	1200	.016	ND	.016
SND90-28-23	2	54	12	18	.4	2	3	1140	1.54	202	5	ND	10	23	.2	2	2	5	1.27	.023	17	20	.12	35	.01	4	.34	.03	.18	9	1500	.002	ND	.002

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
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DATE RECEIVED: JAN 24 1991
DATE REPORT MAILED: Feb. 7/91
RECEIVED
FEB 11 1991

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-18 FILE # 90-3205R

SAMPLE#	Ag** oz/t	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SND90-32-10	.04	1000	.046	.21	.052

-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE REJ.

SIGNED BY. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 7 1990
DATE REPORT MAILED: Aug. 14/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-18 FILE # 90-3205
1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	AU* ppb
SND90-31-1	14
SND90-31-21	23
SND90-32-1	54
SND90-32-4	4
SND90-32-5	3
SND90-32-7	10
SND90-32-8	37
SND90-32-15	12
SND90-33-1	4
SND90-33-2	2
SND90-33-8	1
SND90-33-9	15
SND90-33-11	2
SND90-33-12	1
SND90-33-14	3
STANDARD AU-R	510

- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 7 1990
DATE REPORT MAILED: Aug. 14/90

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-18 FILE # 90-3205
1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	Au** oz/t
SND90-31-2	.001
SND90-31-4	.025
SND90-31-6	.001
SND90-31-7	.001
SND90-31-10	.001
SND90-31-11	.001
SND90-31-17	.010
SND90-31-20	.001
SND90-32-2	.008
SND90-32-3	.003
SND90-32-6	.019
SND90-32-9	.003
SND90-32-13	.001
SND90-32-14	.001
SND90-33-3	.001
SND90-33-7	.001
SND90-33-10	.001
SND90-33-13	.006
STANDARD AU-1	.097

AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Core

SIGNED BY. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-18 File # 90-3205
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: PAUL CONROY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SND90-31-3	2	76	59	67	1.3	9	2	276	1.53	203	9	ND	14	6	1.1	2	2	2	.07	.022	12	35	.03	21	.01	6	.37	.01	.24	16	1350	.004	ND	.004
SND90-31-5	3	199	44	29	2.8	7	3	293	3.94	168	5	ND	11	2	.7	3	2	1	.07	.020	6	36	.02	15	.01	4	.25	.01	.18	21	1050	.003	ND	.003
SND90-31-8	3	115	11	29	1.3	6	2	742	2.23	45	5	ND	13	5	.3	2	2	4	.10	.024	17	27	.06	24	.01	7	.28	.02	.16	12	800	.001	ND	.001
SND90-31-9	2	88	38	52	1.1	4	3	1342	2.56	57	5	ND	15	3	.5	2	2	3	.10	.026	12	18	.05	19	.01	7	.27	.01	.17	10	1050	.001	ND	.001
SND90-31-12	2	342	65	64	3.7	5	2	483	4.58	194	5	ND	11	4	.4	2	2	1	.08	.021	6	24	.03	27	.01	5	.34	.01	.25	14	1200	.033	.03	.034
SND90-31-13	2	322	51	40	3.0	6	2	473	3.84	570	5	ND	11	3	.4	2	2	1	.08	.020	7	20	.02	22	.01	3	.28	.01	.22	11	1150	.047	.03	.048
SND90-31-14	2	222	64	60	15.4	5	3	387	3.05	137	5	24	7	3	.5	2	9	1	.05	.013	5	22	.02	13	.01	3	.14	.01	.11	12	1000	.465	.21	.471
SND90-31-15	2	367	14	62	2.2	7	2	260	3.03	125	5	ND	9	1	.9	2	2	1	.06	.015	6	31	.02	13	.01	5	.28	.01	.20	16	1100	.024	ND	.024
SND90-31-16	2	1036	143	75	6.6	4	2	627	3.48	563	5	2	11	2	1.1	2	6	1	.08	.019	6	12	.04	15	.01	6	.22	.01	.16	6	950	.076	.03	.077
SND90-31-18	2	161	50	36	4.8	7	2	421	1.68	59	5	3	13	10	.3	2	2	4	.11	.021	19	26	.05	48	.01	2	.30	.03	.14	11	1100	.086	.25	.093
SND90-31-19	3	576	129	59	9.4	9	3	677	2.54	481	5	10	12	8	.7	2	5	3	.10	.020	16	39	.04	43	.01	4	.29	.02	.16	19	1200	.108	.09	.110
SND90-32-10	2	192	1049	276	2.8	11	2	495	1.36	578	5	ND	5	2	5.7	3	2	2	.03	.007	6	46	.02	20	.01	5	.19	.01	.14	25	1100	.010	.03	.011
SND90-32-11	2	200	191	50	1.8	8	2	525	2.85	120	5	ND	12	2	.7	2	6	1	.06	.017	6	38	.02	13	.01	6	.19	.01	.15	19	1250	.019	ND	.019
SND90-32-12	2	123	121	49	1.0	6	2	393	2.53	67	5	ND	11	6	.7	2	3	1	.06	.016	7	37	.02	23	.01	4	.23	.01	.16	18	1050	.009	ND	.009
SND90-33-4	3	313	2135	951	9.0	5	3	451	2.59	1640	6	ND	10	13	27.5	9	3	1	.06	.010	9	21	.03	34	.01	5	.29	.01	.19	12	1150	.038	.10	.041
SND90-33-5	2	1617	207	99	185.9	12	18	323	22.53	606	5	152	1	1	.8	5	53	1	.01	.001	3	51	.01	5	.01	2	.02	.01	.02	30	1200	4.967	6.17	5.117
SND90-33-6	2	613	138	114	4.0	8	2	453	3.61	66	5	ND	11	11	2.0	2	2	1	.06	.014	6	35	.03	29	.01	5	.23	.01	.17	19	1200	.059	.30	.066
STANDARD C	18	60	40	133	6.9	72	31	1051	3.92	40	21	7	37	53	18.9	15	18	55	.51	.090	38	61	.88	180	.07	38	1.87	.06	.14	13	-	-	ND	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Core

DATE RECEIVED: AUG 7 1990 DATE REPORT MAILED: Aug 14/90 SIGNED BY. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 13 1990

DATE REPORT MAILED: Aug. 18/90.

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-20 FILE # 90-3416

1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	AU* ppb
SND90-34-1	10
SND90-34-2	5
SND90-34-3	8
SND90-34-9	7
SND90-34-14	6
SND90-34-15	1
SND90-34-16	220
SND90-35-1	7
SND90-35-7	6
SND90-35-8	16
SND90-35-12	154
SND90-35-13	420
SND90-35-14	380
SND90-35-15	112
SND90-35-16	30
SND90-35-20	39
SND90-35-21	164
SND90-35-22	10
SND90-35-23	145
SND90-36-1	410
SND90-36-7	52
SND90-36-8	3
SND90-36-16	97
SND90-36-17	22
SND90-36-18	72
SND90-36-22	26
STANDARD AU-R	520

- SAMPLE TYPE: Core

AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY. C. Leong

D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 13 1990

DATE REPORT MAILED: Aug. 18/90.

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-20 FILE # 90-3416

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	Au** oz/t
SND90-34-4	.001
SND90-34-6	.001
SND90-34-8	.001
SND90-34-10	.001
SND90-34-13	.001
SND90-35-2	.001
SND90-35-4	.001
SND90-35-6	.001
SND90-35-9	.001
SND90-35-11	.010
SND90-35-17	.004
SND90-35-19	.001
SND90-36-2	.004
SND90-36-4	.001
SND90-36-6	.001
SND90-36-9	.001
SND90-36-11	.001
SND90-36-14	.012
SND90-36-15	.001
SND90-36-19	.001
SND90-36-21	.004
STANDARD AU-1	.098

AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Core

SIGNED BY. C. Leong. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Cordilleran Engineering Ltd. PROJECT ELK D90-20 FILE # 90-3416

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SND90-34-5	2	366	225	230	4.9	9	2	588	5.22	125	5	ND	7	4	7.5	2	3	1	.08	.017	10	38	.04	28	.01	7	.29	.01	.20	22	1600	.095	.53	.105
SND90-34-7	3	115	71	76	.9	7	2	673	2.41	60	5	ND	11	11	.4	2	2	2	.09	.022	14	29	.03	53	.01	2	.22	.02	.14	18	1150	.004	ND	.004
SND90-34-11	3	221	103	65	3.4	11	2	603	3.75	193	6	ND	9	6	1.8	2	2	1	.07	.020	9	40	.03	28	.01	2	.35	.01	.24	28	1300	.032	.28	.038
SND90-34-12	6	706	389	224	7.0	10	3	612	4.36	1243	60	ND	8	8	8.5	3	2	1	.06	.016	8	9	.04	35	.01	2	.37	.01	.24	9	1300	.074	.18	.078
SND90-35-3	2	106	74	71	1.0	11	2	656	2.04	74	5	ND	14	5	.4	2	2	3	.10	.023	26	27	.05	40	.01	3	.23	.02	.12	15	1490	.021	.09	.023
SND90-35-5	2	108	59	58	1.2	10	3	631	2.87	45	8	ND	12	4	1.3	2	2	2	.06	.022	16	32	.04	46	.01	2	.31	.01	.19	20	1150	.002	ND	.002
SND90-35-10	3	698	499	135	19.8	5	9	559	11.87	561	9	12	5	5	4.2	4	10	1	.07	.015	6	17	.06	8	.01	3	.36	.01	.24	11	1280	.421	1.06	.445
SND90-35-18	2	76	107	85	.6	11	3	674	2.06	63	5	ND	14	7	.2	2	4	4	.10	.022	18	29	.05	33	.01	3	.28	.02	.14	17	1140	.030	.05	.031
SND90-36-3	3	371	78	52	7.5	8	3	723	3.83	35	5	7	12	6	1.7	2	14	2	.08	.023	17	36	.03	26	.01	2	.32	.02	.19	24	1400	.290	1.66	.325
SND90-36-5	2	93	9	46	.5	8	3	686	2.07	20	5	ND	14	5	.2	2	2	3	.10	.022	18	25	.06	38	.01	2	.27	.02	.13	13	1350	.022	.02	.022
SND90-36-10	3	141	109	40	1.0	13	3	486	2.15	78	13	ND	13	10	.8	2	2	1	.08	.022	16	34	.03	29	.01	2	.34	.01	.23	24	1580	.009	ND	.009
SND90-36-12	3	74	13	51	.3	8	2	925	1.88	20	5	ND	12	7	.2	2	3	1	.08	.020	16	31	.04	116	.01	2	.31	.01	.21	22	1720	.001	ND	.001
SND90-36-13	3	558	92	90	9.4	4	3	599	7.53	218	8	ND	11	7	2.4	2	2	1	.08	.021	7	11	.04	24	.01	2	.35	.01	.24	8	1300	.139	.37	.147
SND90-36-20	3	125	64	87	1.6	12	3	888	2.90	39	5	ND	12	6	.8	2	2	4	.10	.023	17	36	.05	83	.01	2	.33	.02	.18	26	1280	.016	.11	.019
STANDARD C	19	62	42	132	7.3	72	31	1057	3.98	40	17	6	37	53	18.4	16	22	55	.59	.091	38	61	.89	180	.07	34	1.89	.06	.14	11	-	-	ND	-

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 20 1990

DATE REPORT MAILED: Aug. 27/90.

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd.

PROJECT ELK D90-22 FILE # 90-3712

SAMPLE#	AU* ppb
SND90-37-1	12
SND90-37-2	7
SND90-37-6	1
SND90-37-7	2
SND90-37-11	15
SND90-37-12	58
SND90-37-13	3460
SND90-37-21	29
SND90-37-26	6
SND90-37-32	4
SND90-37-33	41
SND90-38-1	1
SND90-38-5	1
SND90-38-6	12
SND90-38-10	1
SND90-38-11	44
SND90-38-12	5
SND90-38-13	6
SND90-38-23	18
SND90-38-24	15
SND90-39-1	14
SND90-39-2	1
SND90-39-3	1
SND90-39-10	65
SND90-39-16	57
SND90-39-17	7
SND90-39-21	3
SND90-39-22	13
SND90-39-23	67
SND90-39-24	370
SND90-40-1	3
SND90-40-7	1
SND90-40-27	13
SND90-40-28	4
SND90-40-32	4
SND90-40-33	1570
STANDARD AU-R	550

SAMPLE#	Au** oz/t
SND90-40-15	.001
SND90-40-17	.001
SND90-40-19	.001
SND90-40-21	.001
SND90-40-22	.001
SND90-40-24	.001
SND90-40-26	.003
SND90-40-29	.001
SND90-40-31	.001

- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ASSAY CERTIFICATE

PROJECT ELK D90-22 FILE # 90-3712

SAMPLE#	Au** oz/t
SND90-37-3	.001
SND90-37-5	.001
SND90-37-8	.002
SND90-37-10	.001
SND90-37-14	.083
SND90-37-16	.001
SND90-37-18	.006
SND90-37-20	.001
SND90-37-22	.003
SND90-37-25	.001
SND90-37-27	.001
SND90-37-29	.001
SND90-37-31	.001
SND90-38-2	.001
SND90-38-4	.001
SND90-38-7	.001
SND90-38-9	.001
SND90-38-14	.001
SND90-38-16	.001
SND90-38-18	.002
SND90-38-19	.001
SND90-38-22	.001
SND90-39-4	.001
SND90-39-6	.001
SND90-39-9	.001
SND90-39-11	.001
SND90-39-13	.001
SND90-39-15	.001
SND90-39-18	.001
SND90-39-20	.001
SND90-40-2	.001
SND90-40-4	.001
SND90-40-6	.001
SND90-40-8	.001
SND90-40-10	.004
SND90-40-12	.001

AU** BY FIRE ASSAY FROM 1 A.T.
SAMPLE TYPE: Core

DATE RECEIVED: AUG 20 1990 DATE REPORT MAILED: Aug 27/90. SIGNED BY. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-22 File # 90-3712

1990 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: PAUL CONROY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE WT. gm	AU-100 oz/t	NATIVE AU	AVG. oz/t
SND90-37-4	2	51	49	42	.5	7	2	591	1.46	7	5	ND	11	6	.2	2	2	4	.09	.021	28	27	.04	37	.01	3	.28	.04	.15	14	950	.010	.04	.011
SND90-37-9	3	257	10	22	.6	7	3	739	2.25	5	5	ND	10	6	.2	2	2	3	.10	.023	16	27	.05	22	.01	4	.23	.01	.14	13	950	.027	.15	.032
SND90-37-15	2	294	142	102	4.1	7	2	697	3.39	28	5	4	11	5	.5	4	4	1	.07	.018	8	24	.04	50	.01	5	.32	.01	.22	14	900	.072	.36	.084
SND90-37-17	2	175	80	85	3.0	6	3	716	2.62	39	5	2	10	10	.5	2	2	1	.07	.019	8	27	.03	62	.01	4	.20	.01	.14	13	1250	.071	.44	.082
SND90-37-19	3	41	115	48	.5	7	2	376	1.39	35	5	ND	12	13	.8	4	2	1	.06	.014	12	28	.02	143	.01	3	.22	.01	.14	17	1250	.001	ND	.001
SND90-37-23	2	117	40	46	1.6	6	2	621	1.73	38	5	NP	13	9	.3	11	2	3	.09	.022	17	19	.04	75	.01	5	.22	.02	.15	14	1350	.006	ND	.006
SND90-37-24	2	1659	385	221	20.3	7	4	850	6.97	52	5	7	12	5	4.2	68	51	2	.07	.016	7	29	.03	12	.01	4	.27	.01	.14	14	1100	1.195	12.38	1.523
SND90-37-28	2	98	111	147	3.9	7	2	550	2.21	47	5	ND	11	8	2.2	8	3	4	.08	.019	16	26	.03	47	.01	3	.27	.02	.18	15	1100	.023	.11	.026
SND90-37-30	2	122	169	215	6.3	7	2	562	1.83	48	5	ND	10	8	4.7	6	5	3	.07	.019	12	25	.04	41	.01	4	.23	.02	.17	12	1150	.047	.21	.052
SND90-38-3	4	210	445	213	8.6	6	4	411	3.25	148	5	9	9	3	4.6	8	4	1	.06	.017	7	22	.02	38	.01	3	.30	.01	.21	13	1250	.107	.18	.111
SND90-38-8	3	183	44	41	1.3	5	2	817	2.44	9	5	ND	11	6	.2	2	2	4	.11	.025	18	18	.05	41	.01	3	.29	.03	.18	10	1250	.101	.28	.108
SND90-38-15	7	158	147	99	1.9	14	5	510	2.22	58	5	ND	12	8	1.6	4	2	2	.08	.019	12	24	.03	81	.01	4	.27	.02	.17	1	1350	.004	ND	.004
SND90-38-17	9	175	131	132	1.4	17	6	366	2.09	51	5	ND	11	8	1.1	5	2	2	.08	.019	11	34	.02	78	.01	3	.30	.02	.18	1	1200	.002	ND	.002
SND90-38-20	2	70	169	154	.7	14	6	212	2.20	90	5	ND	10	9	2.3	3	2	3	.11	.035	6	43	.03	30	.01	3	.35	.01	.24	22	1050	.006	ND	.006
SND90-38-21	7	273	173	177	3.2	44	12	263	6.83	325	38	ND	9	13	1.4	3	2	3	.16	.055	4	35	.03	20	.01	3	.37	.01	.23	1	1250	.017	ND	.017
SND90-39-5	2	92	11	21	.7	7	3	717	2.04	279	5	ND	11	5	.2	2	2	6	.10	.027	26	24	.11	50	.02	3	.34	.03	.19	14	1150	.006	ND	.006
SND90-39-7	8	163	87	36	1.2	14	4	614	2.79	97	5	ND	11	8	.6	2	2	1	.06	.019	9	37	.03	37	.01	4	.37	.01	.26	1	1100	.003	ND	.003
SND90-39-8	3	175	93	40	1.3	10	3	617	2.47	59	5	ND	11	5	.7	2	2	2	.06	.018	10	38	.03	32	.01	4	.35	.01	.26	23	850	.003	.08	.006
SND90-39-12	7	142	240	43	.9	14	5	712	2.25	14	5	ND	11	17	1.1	2	2	4	.08	.023	16	33	.04	148	.01	3	.32	.03	.13	1	1150	.035	.09	.037
SND90-39-14	2	51	52	69	.4	6	3	766	1.59	9	5	ND	12	8	.2	2	2	4	.09	.022	20	23	.05	354	.01	2	.28	.03	.18	13	1050	.001	ND	.001
SND90-39-19	6	124	119	79	5.8	11	5	563	2.68	30	7	4	11	7	1.8	11	2	3	.07	.018	13	27	.03	46	.01	3	.35	.02	.21	1	1250	.200	.91	.221
SND90-40-3	2	83	34	92	1.3	5	2	956	1.56	26	5	2	12	5	1.5	5	2	2	.09	.024	19	20	.04	34	.01	3	.27	.03	.18	11	1200	.018	ND	.018
SND90-40-5	6	155	38	76	4.0	10	3	588	1.72	38	5	3	11	4	1.2	2	2	2	.08	.022	13	24	.03	43	.01	4	.36	.02	.26	1	1050	.033	.33	.042
SND90-40-9	7	3247	1387	415	25.8	11	4	624	4.29	551	12	12	9	15	13.6	235	13	2	.06	.015	10	41	.03	30	.01	4	.27	.01	.17	25	1000	.479	1.41	.520
SND90-40-11	5	197	100	60	1.1	8	2	643	1.90	33	5	ND	12	11	.7	6	2	2	.07	.022	14	22	.04	65	.01	4	.36	.02	.22	1	1250	.009	.14	.012
SND90-40-13	2	173	95	53	1.6	8	3	494	2.47	38	25	ND	10	7	.2	2	2	2	.07	.021	16	32	.03	37	.01	5	.24	.02	.17	19	1100	.015	ND	.015
SND90-40-14	6	218	126	37	2.0	9	2	503	2.07	36	5	ND	11	8	.5	2	2	2	.08	.020	13	24	.04	52	.01	4	.34	.02	.23	17	1100	.010	ND	.010
SND90-40-16	2	388	86	61	2.7	6	3	629	2.96	41	5	ND	9	5	.5	2	2	2	.08	.020	13	22	.05	50	.01	4	.31	.02	.21	12	950	.036	.01	.036
SND90-40-18	6	159	88	94	1.4	10	3	999	2.71	51	5	ND	11	4	.4	3	2	2	.08	.021	12	26	.05	77	.01	3	.43	.01	.29	1	950	.012	.01	.012
SND90-40-20	2	1454	13	57	7.2	6	2	717	3.70	35	5	2	10	3	1.4	2	5	1	.08	.021	6	24	.05	42	.01	3	.31	.01	.23	12	1300	.113	.16	.117
SND90-40-23	8	1027	74	87	9.4	13	3	830	3.56	39	5	14	10	6	1.2	2	2	2	.08	.020	13	34	.05	54	.01	3	.37	.02	.22	1	950	.087	.25	.095
SND90-40-25	2	478	88	76	6.0	9	3	929	3.34	34	5	10	10	6	.5	2	2	2	.08	.022	9	42	.05	60	.01	2	.27	.01	.19	20	1050	.100	.45	.112
SND90-40-30	6	148	88	96	1.1	9	3	711	2.44	18	5	ND	11	6	1.0	27	2	3	.08	.019	16	25	.04	75	.01	5	.37	.03	.22	1	1050	.008	ND	.008
STANDARD C	18	58	39	133	7.2	72	32	1047	3.98	37	16	7	39	52	18.5	15	18	58	.92	.096	38	60	.89	182	.09	35	1.89	.06	.14	12	.	.008	ND	.

ACME ANAL[illegible]AL LABORATORIES LTD. 852 E. HASTINGS ST. VAN[illegible]VER B.C. V6A 1R6 PHONE(604)253-3158 FAX(60[illegible]253-1716

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-25 File # 90-3864

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: PAUL CONROY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SND90-41-3	7	51	156	731	3.5	10	5	689	1.97	11	5	4	13	5	19.2	2	2	4	.12	.026	26	28	.06	42	.01	6	.29	.04	.14	1	1300	.056	.05	.057
SND90-41-8	11	92	49	65	1.0	14	4	792	2.19	166	5	ND	16	5	1.0	2	4	2	.09	.025	19	42	.04	42	.01	6	.36	.03	.21	1	1000	.002	ND	.002
SND90-41-13	9	129	89	122	1.7	11	3	764	2.14	40	5	ND	12	10	2.0	2	4	2	.07	.020	15	36	.03	45	.01	4	.32	.02	.17	1	1200	.004	ND	.004
SND90-41-18	10	176	41	40	1.5	14	3	712	2.61	29	5	ND	13	8	.7	2	2	2	.08	.023	18	39	.03	51	.01	4	.30	.03	.19	1	1200	.005	ND	.005
SND90-41-20	10	214	44	28	4.8	13	5	637	4.72	58	5	6	12	4	.6	2	17	2	.09	.025	11	36	.03	35	.01	3	.30	.02	.21	1	1150	.119	.42	.130
SND90-41-24	10	599	62	64	2.7	15	4	670	3.08	45	5	ND	14	7	1.3	2	11	2	.09	.024	17	40	.04	39	.01	4	.32	.03	.20	1	1150	.112	.07	.114
SND90-41-31	10	746	278	153	4.6	14	3	718	2.34	81	5	ND	11	10	2.5	4	4	2	.07	.019	15	38	.02	101	.01	6	.30	.02	.17	1	1200	.027	.18	.031
SND90-42-3	11	263	82	165	3.6	16	5	584	2.92	156	9	3	13	5	1.8	2	6	2	.08	.027	13	41	.03	35	.01	6	.33	.01	.23	1	1150	.054	.31	.062
SND90-42-4	10	248	191	103	2.2	16	5	1251	3.48	76	5	ND	11	13	1.6	2	3	2	.06	.019	12	42	.03	42	.01	5	.31	.01	.22	1	1150	.005	ND	.005
SND90-42-9	10	603	48	502	16.9	14	6	560	3.77	65	5	7	11	4	8.7	2	17	2	.10	.023	14	37	.03	29	.01	7	.28	.02	.19	1	1250	.277	.42	.287
SND90-42-12	10	127	102	76	1.2	17	4	923	2.45	62	5	ND	15	9	.9	2	5	4	.11	.030	21	41	.04	46	.01	7	.32	.04	.18	1	1050	.009	ND	.009
SND90-42-14	11	245	286	399	10.6	17	5	1054	3.48	397	5	24	12	4	7.5	2	4	1	.07	.021	10	43	.03	29	.01	7	.31	.01	.23	1	1150	.125	.39	.135
SND90-42-17	10	117	208	100	1.2	14	4	711	2.15	36	27	ND	11	13	1.7	10	2	2	.08	.024	19	33	.03	89	.01	6	.34	.02	.20	1	1050	.017	.13	.021
SND90-42-22	10	180	140	52	2.2	15	4	305	2.48	106	10	ND	12	16	1.5	2	6	3	.09	.033	20	41	.03	92	.01	3	.39	.03	.21	1	1050	.022	.34	.032
SND90-43-3	8	39	157	48	.6	15	5	116	1.01	23	127	ND	10	19	1.6	2	2	1	.03	.009	19	34	.01	54	.01	7	.31	.01	.15	3	1150	.010	ND	.010
SND90-43-5	13	501	194	38	8.3	21	4	130	2.63	156	12	4	10	4	1.7	14	6	1	.04	.014	10	58	.01	38	.01	7	.38	.01	.26	2	1100	.055	.37	.065
SND90-43-7	9	152	148	50	3.0	15	4	92	1.84	104	34	ND	11	11	1.6	15	4	1	.03	.014	12	36	.01	43	.01	7	.30	.01	.20	1	1300	.022	.05	.023
SND90-43-16	10	505	365	72	7.2	16	5	501	2.93	65	5	8	11	11	3.4	7	10	3	.07	.021	14	42	.03	65	.01	4	.29	.02	.17	1	1200	.258	.82	.278
SND90-43-19	9	347	135	96	40.7	17	3	785	3.23	105	5	194	10	7	1.4	2	3	2	.07	.024	10	39	.03	49	.01	8	.29	.02	.20	1	1250	.084	.72	.101
STANDARD C	19	58	44	135	7.2	72	32	1052	3.97	40	21	7	39	52	18.4	15	22	58	.51	.094	40	61	.90	183	.08	32	1.91	.06	.13	12	-	-	ND	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE

DATE RECEIVED: AUG 28 1990 **DATE REPORT MAILED:** Aug 31/90. **SIGNED BY** .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 28 1990
DATE REPORT MAILED: Aug.31/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-25 FILE # 90-3864
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	AU* ppb
SND90-41-1	2
SND90-41-5	13
SND90-41-6	7
SND90-41-10	4
SND90-41-11	87
SND90-41-15	44
SND90-41-16	5
SND90-41-22	2
SND90-41-26	5
SND90-41-27	4
SND90-41-28	106
SND90-41-29	17
SND90-41-33	11
SND90-41-34	84
SND90-42-1	25
SND90-42-6	3
SND90-42-7	7
SND90-42-19	1
SND90-42-20	3
SND90-42-24	3
SND90-43-1	167
SND90-43-9	12
SND90-43-10	57
SND90-43-12	8
SND90-43-13	6
SND90-43-14	35
SND90-43-21	10
SND90-43-22	37
STANDARD AU-R	520

- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JAN 24 1991
DATE REPORT MAILED: Feb.7/91.

RECEIVED
FEB 11 1991

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-25 FILE # 90-3864R

SAMPLE#	Ag** oz/t	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SND90-43-19	.01	1000	.077	.49	.091

-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE REJ.

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 28 1990
DATE REPORT MAILED: Aug.31/90

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-25 FILE # 90-3864
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	Au** oz/t
SDN90-41-2	.001
SDN90-41-4	.020
SDN90-41-7	.001
SDN90-41-9	.002
SDN90-41-12	.001
SDN90-41-14	.001
SDN90-41-17	.001
SDN90-41-19	.001
SDN90-41-21	.001
SDN90-41-23	.001
SDN90-41-25	.001
SDN90-41-30	.001
SDN90-41-32	.001
SDN90-42-2	.001
SDN90-42-5	.001
SDN90-42-8	.001
SDN90-42-10	.001
SDN90-42-11	.001
SDN90-42-13	.001
SDN90-42-15	.001
SDN90-42-16	.001
SDN90-42-18	.001
SDN90-42-21	.001
SDN90-42-23	.001
SDN90-43-2	.001
SDN90-43-4	.002
SDN90-43-6	.001
SDN90-43-8	.001
SDN90-43-11	.060
SDN90-43-15	.001
SDN90-43-17	.001
SDN90-43-18	.001
SDN90-43-20	.001

AU** BY FIRE ASSAY FROM 1 A.T.
SAMPLE TYPE: CORE

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: SEP 4 1990
DATE REPORT MAILED: Sept. 11/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-28 FILE # 90-4139
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	AU* ppb
SND90-44-1	136
SND90-44-2	30
SND90-44-13	4
SND90-44-14	2
SND90-44-18	2
SND90-44-19	2
SND90-44-24	2
SND90-44-25	1
SND90-44-29	8
SND90-44-30	10
SND90-45-1	91
SND90-45-2	240
SND90-45-3	7
SND90-45-10	93
SND90-45-11	3
SND90-45-12	5
SND90-45-18	2
SND90-45-24	1
SND90-45-25	57
SND90-46-1	7
SND90-46-5	240
SND90-46-6	4380
SND90-46-7	16
SND90-46-14	8
STANDARD AU-R	530

SAMPLE#	Au** oz/t
SND90-44-3	.001
SND90-44-5	.001
SND90-44-7	.001
SND90-44-9	.001
SND90-44-10	.002
SND90-44-12	.001
SND90-44-15	.001
SND90-44-17	.001
SND90-44-20	.001
SND90-44-23	.001
SND90-44-26	.001
SND90-44-28	.001
SND90-45-4	.001
SND90-45-6	.004
SND90-45-7	.001
SND90-45-9	.001
SND90-45-13	.001
SND90-45-16	.001
SND90-45-17	.003
SND90-45-19	.001
SND90-45-21	.002
SND90-45-23	.001
SND90-46-2	.001
SND90-46-4	.013
SND90-46-8	.001
SND90-46-10	.001
SND90-46-11	.001
SND90-46-13	.001

- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-28 File # 90-4139
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: PAUL CONROY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SND90-44-4	6	82	57	41	1.4	10	3	849	1.85	26	5	ND	15	7	.2	3	2	3	.12	.025	20	28	.06	86	.01	4	.28	.03	.13	2	1200	.040	.02	.041
SND90-44-6	7	177	91	51	1.8	11	3	716	2.60	33	5	ND	12	7	.2	2	2	3	.10	.024	23	26	.05	83	.01	5	.25	.02	.14	1	1200	.013	.22	.018
SND90-44-8	8	108	95	52	1.5	15	3	604	2.08	32	5	2	12	6	.2	13	2	3	.10	.023	19	34	.06	135	.01	4	.24	.02	.13	1	1350	.017	.24	.022
SND90-44-11	5	58	725	372	2.2	9	3	955	1.68	315	6	ND	12	13	6.7	8	2	3	.09	.022	23	23	.03	231	.01	4	.23	.03	.10	1	1170	.029	.14	.033
SND90-44-16	19	2466	1025	172	64.2	14	7	345	5.11	250	5	33	7	7	6.8	98	48	1	.04	.010	6	27	.01	18	.01	3	.18	.01	.12	1	1270	.938	15.37	1.291
SND90-44-21	8	1484	28	85	10.1	13	3	278	3.48	60	5	ND	11	2	2.1	2	3	1	.05	.018	5	31	.01	31	.01	6	.22	.01	.17	1	1140	.023	.40	.033
SND90-44-22	5	399	230	24	91.0	9	6	235	7.02	51	5	52	10	2	.8	2	191	1	.05	.018	7	17	.01	15	.01	5	.20	.01	.17	1	1110	.960	3.41	1.050
SND90-44-27	7	139	100	28	1.6	11	3	111	1.65	26	5	ND	12	7	.8	2	2	3	.08	.023	20	28	.04	99	.01	4	.24	.02	.15	1	1140	.014	.04	.015
SND90-45-5	6	405	99	409	10.5	10	5	263	2.51	298	5	9	10	21	9.5	2	6	2	.08	.023	18	24	.03	31	.01	3	.21	.02	.12	1	1170	.288	ND	.288
SND90-45-8	8	318	125	52	3.1	12	3	447	2.80	95	5	ND	12	5	.4	2	2	1	.07	.021	10	32	.02	31	.01	6	.28	.01	.20	1	1020	.006	ND	.006
SND90-45-14	8	417	273	80	3.1	10	2	1123	2.32	56	5	ND	11	5	.7	10	2	1	.09	.026	13	22	.05	24	.01	4	.21	.01	.15	1	1200	.004	ND	.004
SND90-45-15	7	468	312	267	15.3	12	3	582	2.22	115	5	ND	12	6	5.0	5	17	4	.08	.021	17	29	.05	51	.01	4	.29	.03	.16	1	1080	.024	.19	.029
SND90-45-20	5	1047	534	268	20.7	9	3	681	3.96	92	5	5	9	2	5.9	75	33	1	.06	.018	6	17	.01	27	.01	6	.16	.01	.13	1	1230	.198	3.90	.290
SND90-45-22	8	489	170	86	14.2	12	4	610	4.11	83	5	2	10	2	1.5	82	22	1	.06	.019	6	25	.03	26	.01	5	.23	.01	.17	1	1230	.028	.56	.041
SND90-46-3	6	146	76	22	7.4	9	4	157	1.95	42	5	7	10	8	.3	3	3	2	.04	.017	12	21	.01	59	.01	3	.21	.01	.12	1	1100	.120	.73	.139
SND90-46-9	12	102	651	197	3.3	15	7	1210	2.51	56	5	ND	10	41	1.7	2	2	1	.03	.007	15	29	.02	57	.01	6	.25	.01	.13	1	1290	.020	ND	.020
SND90-46-12	9	246	239	60	22.6	11	4	487	3.19	90	5	7	9	9	.7	2	8	1	.03	.013	8	21	.01	40	.01	5	.24	.01	.17	1	970	.320	1.65	.369
STANDARD C	19	58	41	130	7.1	72	31	1053	3.97	40	19	7	37	52	18.6	15	19	56	.51	.100	37	59	.91	181	.07	35	1.91	.06	.14	12	-	-	ND	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: P1 GEO P2 TO P3 ASSAY

DATE RECEIVED: SEP 4 1990 DATE REPORT MAILED: Sept 11/90 SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

RECEIVED
FEB 11 1991

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JAN 24 1991
DATE REPORT MAILED: Feb. 7/91

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-28 FILE # 90-4139R

SAMPLE#	Ag** oz/t	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SND90-45-15	.23	1000	.054	ND	.054
SND90-45-20	.78	1200	.219	4.50	.328
SND90-45-22	.54	1200	.068	2.69	.133

-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE REJ.

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: SEP 10 1990

DATE REPORT MAILED: Sept. 21/90.

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-30 FILE # 90-4335

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	AU* ppb
SND90-47-4	115
SND90-47-5	42
SND90-47-12	38
SND90-47-19	1580
SND90-48-1	49
SND90-48-2	4
SND90-48-24	1390
SND90-48-25	1910
SND90-48-29	16
SND90-49-1	69
SND90-49-16	14

- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY. D. Toye. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-30 File # 90-4335

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: PAUL CONROY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SND90-47-2	2	116	62	65	.8	6	2	341	1.94	271	5	ND	11	7	.4	2	2	5	.08	.024	31	6	.05	28	.01	3	.30	.03	.14	1	1100	.083	.11	.086
SND90-47-7	4	123	167	53	12.6	8	4	89	1.64	116	13	10	11	7	1.1	2	13	2	.08	.020	15	6	.01	29	.01	3	.31	.02	.15	1	1250	.121	1.25	.150
SND90-47-10	4	388	213	61	4.3	9	2	735	2.39	51	5	2	11	6	.8	4	3	3	.09	.022	17	8	.03	46	.01	2	.31	.03	.16	1	1450	.116	3.05	.177
SND90-47-14	5	115	289	67	26.9	8	6	687	2.57	131	5	16	10	14	.7	9	14	3	.15	.051	14	6	.03	87	.01	5	.44	.03	.22	1	1300	.739	10.95	.985
SND90-47-17	4	239	127	50	7.7	8	3	533	2.23	91	5	5	7	10	.8	2	9	1	.08	.024	11	7	.03	84	.01	2	.35	.01	.20	1	1400	.137	1.64	.171
SND90-48-4	4	120	21	52	.7	10	2	708	2.10	38	5	ND	7	5	.2	2	2	4	.10	.022	15	9	.06	64	.01	2	.38	.04	.20	1	1200	.006	.21	.011
SND90-48-5	4	80	56	90	.1	8	3	992	1.92	31	5	ND	8	6	.2	2	2	3	.10	.023	17	7	.05	60	.01	2	.35	.04	.19	1	1650	.002	ND	.002
SND90-48-8	4	185	106	42	2.5	10	4	431	2.76	94	5	ND	12	7	.7	5	2	2	.07	.021	10	8	.03	48	.01	3	.40	.02	.23	1	1500	.006	ND	.006
SND90-48-11	4	345	111	72	3.6	8	4	581	2.18	220	5	ND	13	11	.7	4	2	4	.09	.024	18	7	.04	57	.01	6	.44	.04	.22	1	1300	.042	1.40	.073
SND90-48-14	3	42	362	386	1.6	8	2	210	1.52	585	5	ND	14	12	8.7	5	2	6	.10	.024	25	8	.08	101	.02	5	.44	.06	.19	1	1600	.148	.80	.163
SND90-48-17	4	204	69	122	8.4	11	5	794	3.58	34	5	6	13	5	.2	2	11	3	.10	.023	14	8	.05	36	.01	3	.37	.03	.20	1	1500	.282	7.14	.421
SND90-48-20	4	199	149	154	10.6	10	6	560	3.48	39	48	13	15	8	.5	2	18	6	.10	.025	19	9	.08	52	.02	3	.43	.04	.21	1	1400	.270	10.50	.489
SND90-48-22	5	178	63	102	1.8	11	4	963	3.52	70	5	ND	12	5	.2	2	2	3	.10	.024	14	9	.05	29	.01	5	.47	.03	.26	1	1100	.013	.23	.019
SND90-48-27	3	86	33	25	.6	8	5	115	1.58	47	5	ND	12	24	.9	2	2	6	.14	.030	17	8	.04	109	.01	2	.41	.04	.15	1	1100	.002	ND	.002
SND90-49-3	4	132	248	632	4.0	7	3	673	2.36	40	5	ND	11	10	16.0	2	10	4	.12	.023	23	9	.07	57	.01	3	.42	.04	.18	1	1200	.004	.79	.023
SND90-49-6	4	908	223	82	8.3	8	3	465	2.88	101	5	ND	11	5	1.6	33	6	2	.07	.018	9	8	.03	29	.01	2	.43	.01	.24	1	1300	.049	.32	.056
SND90-49-7	7	1047	346	89	86.3	6	10	387	7.33	150	5	66	9	18	21.1	50	156	1	.04	.007	6	8	.02	14	.01	2	.34	.01	.16	1	1500	2.505	67.10	3.809
SND90-49-10	4	90	94	65	1.5	8	3	384	2.06	65	5	ND	10	9	1.0	12	4	3	.08	.022	14	8	.03	71	.01	4	.57	.02	.29	1	1400	.022	.07	.023
SND90-49-12	4	153	143	255	1.7	9	4	637	2.13	380	5	ND	10	8	3.9	3	2	2	.08	.021	11	8	.03	60	.01	2	.46	.02	.25	1	1700	.014	.22	.018
SND90-49-13	3	45	54	126	.6	5	3	607	1.66	982	5	ND	11	13	2.0	2	2	3	.10	.022	17	6	.03	62	.01	2	.36	.03	.17	1	1300	.009	ND	.009
SND90-49-14	4	118	107	122	1.8	7	4	889	2.07	89	5	3	11	10	1.9	2	6	2	.08	.022	13	8	.04	50	.01	3	.45	.01	.25	1	1400	.049	.67	.063
STANDARD C	19	58	41	131	6.9	72	32	1053	3.97	42	16	6	37	52	20.0	14	21	56	.52	.096	39	58	.90	183	.08	35	1.89	.06	.14	11	-	-	ND	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE

DATE RECEIVED: SEP 10 1990 DATE REPORT MAILED: Sept 21/90 SIGNED BY. D. Toye. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: SEP 10 1990

DATE REPORT MAILED: Sept.21/90

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-30 FILE # 90-4335

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	Au** oz/t
SND90-47-1	.001
SND90-47-3	.001
SND90-47-6	.001
SND90-47-8	.001
SND90-47-9	.001
SND90-47-11	.001
SND90-47-13	.001
SND90-47-15	.001
SND90-47-16	.001
SND90-47-18	.001
SND90-48-3	.001
SND90-48-6	.001
SND90-48-7	.001
SND90-48-9	.002
SND90-48-10	.001
SND90-48-12	.005
SND90-48-13	.001
SND90-48-15	.001
SND90-48-16	.001
SND90-48-18	.008
SND90-48-19	.001
SND90-48-21	.001
SND90-48-23	.001
SND90-48-26	.001
SND90-48-28	.007
SND90-49-2	.001
SND90-49-4	.001
SND90-49-5	.002
SND90-49-8	.001
SND90-49-9	.001
SND90-49-11	.001
SND90-49-15	.001
STANDARD AU-1	.097

AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE

SIGNED BY. D. Toye. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME AN[illegible]ICAL LABORATORIES LTD. 852 E. HASTINGS ST. V[illegible]OUVER B.C. V6A 1R6

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-32 File # 90-4516

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: PAUL CONROY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SND90-50-2	8	75	48	56	.7	16	3	741	2.14	35	5	ND	10	8	.5	2	2	4	.13	.022	20	31	.04	101	.01	5	.40	.06	.20	1	1100	.002	ND	.002
SND90-50-3	8	744	107	121	11.0	19	4	923	3.92	52	5	4	10	6	3.2	4	6	4	.10	.021	13	29	.05	52	.01	8	.40	.04	.23	1	1100	.217	.76	.237
SND90-50-5	3	148	91	57	10.2	18	6	698	3.61	99	5	8	10	8	8	5	17	3	.09	.019	12	53	.03	36	.01	7	.30	.03	.19	33	1200	.272	3.74	.363
SND90-50-7	5	696	382	94	29.9	18	6	417	3.06	265	15	30	6	11	4.6	15	30	3	.06	.013	10	62	.02	55	.01	5	.26	.01	.16	34	1300	.574	3.58	.654
SND90-50-10	3	100	194	71	1.1	16	3	452	2.15	216	5	ND	10	8	1.7	3	2	3	.08	.022	11	57	.02	103	.01	9	.31	.02	.18	36	1400	.008	ND	.008
SND90-50-12	10	108	58	91	1.1	20	3	594	2.19	92	5	ND	11	10	.9	2	2	3	.09	.022	13	41	.03	63	.01	4	.41	.03	.22	1	1300	.003	ND	.003
SND90-50-14	4	204	119	90	2.9	16	3	582	2.27	92	5	2	12	12	.9	2	3	4	.10	.024	16	56	.04	67	.01	5	.31	.03	.17	33	1250	.051	.24	.057
SND90-50-16	3	149	101	100	12.9	19	6	629	3.64	50	5	13	11	10	.4	2	50	5	.09	.022	13	74	.04	47	.01	7	.33	.04	.19	38	950	.405	12.11	.777
SND90-50-18	3	184	139	57	8.1	18	4	485	3.63	133	6	2	10	11	.6	2	4	3	.08	.020	9	60	.02	46	.01	9	.31	.02	.18	38	1200	.021	ND	.021
SND90-50-19	2	287	448	21	31.0	15	9	179	7.25	486	12	27	7	2	2.9	6	35	2	.05	.016	5	54	.01	21	.01	5	.39	.01	.25	30	1100	.823	3.06	.904
SND90-51-3	6	945	390	214	11.3	15	4	740	2.86	154	5	4	9	8	4.6	4	2	2	.08	.019	10	51	.02	36	.01	10	.45	.01	.24	32	1250	.127	ND	.127
SND90-51-6	4	162	43	68	2.3	16	3	568	1.79	36	5	ND	12	7	1.9	46	2	4	.10	.023	17	66	.03	170	.01	11	.39	.05	.22	33	1450	.023	ND	.023
SND90-52-3	9	126	34	51	2.9	17	3	943	2.44	304	5	ND	13	5	.6	2	2	5	.11	.023	17	58	.06	50	.01	7	.40	.04	.22	35	1150	.030	.03	.031
SND90-52-5	4	35	23	35	.6	17	2	425	1.75	28	5	ND	12	5	.3	2	2	5	.09	.022	21	73	.04	46	.01	8	.37	.04	.20	37	1100	.008	ND	.008
SND90-52-8	3	161	85	63	3.2	17	2	901	2.18	37	5	ND	12	8	.3	2	2	5	.10	.021	20	60	.04	48	.01	7	.32	.04	.17	34	1300	.002	ND	.002
SND90-52-9	3	156	117	60	1.5	18	3	765	2.35	62	5	ND	12	9	.4	3	2	5	.10	.023	17	69	.04	54	.01	9	.34	.04	.18	35	1200	.004	ND	.004
SND90-52-11	3	88	63	77	3.9	14	3	851	1.94	23	5	3	13	7	.3	2	6	5	.11	.024	20	50	.06	53	.01	9	.39	.05	.20	29	1200	.065	.26	.071
STANDARD C	18	60	39	131	7.0	72	31	1058	3.98	40	21	7	37	52	18.6	15	20	55	.52	.099	38	59	.90	180	.07	36	1.90	.06	.13	13	-	-	ND	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE

DATE RECEIVED: SEP 17 1990 DATE REPORT MAILED: Sept 26/90 SIGNED BY: ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

✓ ASSAY RECOMMENDED

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: SEP 17 1990
DATE REPORT MAILED: Sept. 26/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-32 FILE # 90-4516
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	AU* ppb
SND90-50-21	310
SND90-51-1	123
SND90-51-8	36
SND90-52-1	410
SND90-52-13	83
SND90-52-14	370
SND90-52-15	113
SND90-52-16	490
SND90-52-17	67

AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

- SAMPLE TYPE: CORE

SIGNED BY: ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-32 FILE # 90-4516
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	Au** oz/t
SND90-50-1	.001
SND90-50-4	.001
SND90-50-6	.001
SND90-50-8	.153
SND90-50-9	.001
SND90-50-11	.001
SND90-50-13	.001
SND90-50-15	.001
SND90-50-17	.005
SND90-50-20	.001
SND90-51-2	.001
SND90-51-4	.001
SND90-51-5	.001
SND90-51-7	.005
SND90-52-2	.002
SND90-52-4	.009
SND90-52-6	.009
SND90-52-7	.001
SND90-52-10	.004
SND90-52-12	.001
STANDARD AU-1	.099

SIGNED BY: .....

D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE

ACME ANAL CAL LABORATORIES LTD. 852 E. HASTINGS ST. VA VER B.C. V6A 1R6

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-35 File # 90-4749

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: PAUL CONROY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SND90-53-3	10	31	14	61	.1	17	3	897	1.82	22	5	ND	15	8	.6	2	2	7	.12	.026	24	33	.12	55	.02	3	.41	.05	.16	1	1550	.004	ND	.004
SND90-53-8	10	36	23	38	.6	17	4	753	2.17	32	5	2	13	7	.8	2	3	8	.10	.025	22	38	.12	59	.03	5	.42	.05	.18	1	1510	.022	.18	.025
SND90-53-10	8	108	28	23	.7	16	3	433	1.59	11	5	ND	14	12	.5	2	2	5	.10	.021	28	31	.05	65	.01	6	.41	.06	.17	1	1490	.006	.23	.010
SND90-53-13	8	199	13	41	1.1	15	3	882	2.39	157	5	ND	10	5	.6	2	2	2	.06	.018	11	32	.02	44	.01	3	.45	.03	.25	1	1850	.004	ND	.004
SND90-53-16	8	124	41	63	.9	15	3	854	2.23	14	5	ND	15	8	.5	2	2	5	.11	.024	21	30	.05	42	.01	5	.35	.05	.16	1	1570	.003	.03	.004
SND90-53-20	12	228	321	82	14.1	15	10	712	2.94	196	43	5	11	15	3.2	2	3	4	.07	.022	14	30	.03	52	.01	2	.44	.03	.22	1	1300	.164	.29	.170
SND90-53-24	6	75	156	53	3.3	13	6	334	1.99	42	22	ND	13	26	1.2	2	2	3	.09	.023	19	24	.02	101	.01	4	.45	.04	.18	1	1500	.024	.08	.025
SND90-53-27	8	34	36	352	.3	16	3	730	1.60	8	5	ND	14	9	8.4	2	2	6	.11	.024	23	33	.07	59	.02	3	.33	.05	.15	1	1750	.001	ND	.001
SND90-53-29	8	158	186	123	3.2	15	5	844	3.47	49	5	ND	12	10	1.4	2	2	6	.10	.022	21	32	.02	45	.01	3	.26	.05	.11	1	1660	.020	ND	.020
SND90-54-3	6	69	112	61	1.4	12	3	611	1.67	26	5	ND	14	10	.8	2	2	6	.10	.027	28	28	.08	71	.02	5	.45	.05	.22	1	1400	.010	ND	.010
SND90-54-6	8	33	424	63	.4	15	3	234	1.14	13	7	ND	14	17	1.3	2	2	5	.09	.024	23	33	.02	279	.01	4	.40	.05	.18	1	1160	.003	.02	.004
SND90-55-4	8	145	47	56	4.7	15	3	525	2.19	24	5	5	12	7	.4	2	2	5	.10	.026	19	33	.06	78	.01	2	.43	.05	.21	1	1290	.118	.45	.128
SND90-55-5	7	529	155	77	8.0	13	5	558	2.61	29	5	13	14	14	1.2	2	9	6	.11	.026	23	29	.07	65	.02	4	.39	.06	.15	1	1310	.220	3.10	.289
SND90-55-9	8	18	166	111	.1	15	3	615	1.44	5	5	ND	14	27	.8	2	2	5	.08	.023	25	34	.03	202	.01	6	.42	.05	.18	1	1420	.001	ND	.001
STANDARD C	18	59	40	132	7.0	71	32	1057	3.97	39	17	7	36	53	18.5	15	19	56	.50	.095	37	60	.91	180	.07	35	1.90	.06	.13	11	-	-	ND	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE

DATE RECEIVED: SEP 24 1990 DATE REPORT MAILED: Oct 1/90. SIGNED BY: C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: SEP 24 1990
DATE REPORT MAILED: Oct. 1/90.

ASSAY CERTIFICATE

Cordilleran Engineering Ltd.

PROJECT ELK D90-35 FILE # 90-4749

SAMPLE#	Au** oz/t
SND90-53-2	.001
SND90-53-4	.001
SND90-53-7	.001
SND90-53-9	.001
SND90-53-11	.001
SND90-53-12	.001
SND90-53-14	.001
SND90-53-15	.001
SND90-53-17	.001
SND90-53-19	.001
SND90-53-21	.002
SND90-53-23	.001
SND90-53-25	.001
SND90-53-26	.001
SND90-53-28	.001
SND90-53-30	.001
SND90-53-32	.001
SND90-54-2	.001
SND90-54-4	.001
SND90-54-5	.001
SND90-54-7	.001
SND90-55-3	.001
SND90-55-6	.001
SND90-55-8	.001
SND90-55-10	.001
STANDARD AU-1	.101

AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE

SIGNED BY: C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: SEP 24 1990
DATE REPORT MAILED: Oct. 1/90.

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd.

PROJECT ELK D90-35 FILE # 90-4749

SAMPLE#	AU* ppb
SND90-53-1	26
SND90-53-5	190
SND90-53-6	320
SND90-53-18	220
SND90-53-22	15
SND90-53-31	28
SND90-53-33	98
SND90-54-1	14
SND90-54-8	8
SND90-54-9	31
SND90-55-1	51
SND90-55-2	1260
SND90-55-7	88
STANDARD AU-R	540

- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY: C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: SEP 24 1990
DATE REPORT MAILED: Oct. 2/90.

GEOCHEMICAL ANALYSIS CERTIFICATE

OCT 0 2 90

Cordilleran Engineering Ltd. PROJECT ELK D90-36 FILE # 90-4751
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	AU* ppb
SLD90-56-4	1
SLD90-56-8	21
SLD90-56-19	1

- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY. C. Leong. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: SEP 24 1990
DATE REPORT MAILED: Oct. 2/90.

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-36 FILE # 90-4751
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	Au** oz/t
SLD90-56-1	.001
SLD90-56-3	.001
SLD90-56-5	.029
SLD90-56-7	.001
SLD90-56-9	.001
SLD90-56-15	.002
SLD90-56-16	.001
SLD90-56-18	.001
STANDARD AU-1	.100

AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE

SIGNED BY. C. Leong. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-36 File # 90-4751
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: PAUL CONROY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** oz/t	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SLD90-56-2	2	20	182	112	1.0	12	2	109	.97	411	14	ND	11	5	6.3	2	2	5	.05	.014	19	32	.02	21	.01	2	.24	.01	.08	14	-	1100	.004	ND	.004
SLD90-56-6	10	70	191	231	2.1	25	3	695	1.50	24	6	ND	12	5	5.9	2	2	4	.08	.022	23	25	.02	30	.01	4	.30	.03	.15	4	-	1050	.006	.07	.008
SLD90-56-10	9	50	79	240	1.0	21	2	1626	1.57	16	5	ND	11	11	4.5	2	2	2	.07	.019	13	37	.03	70	.01	5	.35	.01	.23	1	-	1200	.001	ND	.001
SLD90-56-11	5	13939	545	257	91.1	118	40	2393	8.65	226	7	5	5	18	9.6	4	59	7	.14	.043	5	26	.06	24	.01	5	.20	.01	.14	9	2.85	1200	.146	.83	.166
SLD90-56-12	7	1914	541	201	46.4	62	16	3714	5.51	58	27	2	3	72	5.0	3	34	23	.30	.096	9	37	.13	35	.01	9	.52	.01	.21	2	-	1210	.042	ND	.042
SLD90-56-13	3	407	820	804	14.1	14	2	730	1.62	61	31	ND	11	6	13.8	3	9	2	.07	.023	10	22	.02	25	.01	3	.23	.01	.15	10	-	1200	.033	.03	.034
SLD90-56-14	14	3782	21924	19063	137.4	44	6	336	5.82	751	62	5	5	11	349.4	15	14	2	.05	.011	6	19	.02	21	.01	4	.27	.01	.16	3	4.14	1200	.156	.38	.165
SLD90-56-17	2	71	446	420	31.4	24	10	967	2.03	11	12	ND	8	6	7.9	2	24	6	.14	.040	10	27	.04	25	.01	5	.30	.01	.13	10	-	1230	.035	.16	.039

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE

DATE RECEIVED: SEP 24 1990 DATE REPORT MAILED: Oct 2/90. SIGNED BY. C. Leong. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: SEP 24 1990
DATE REPORT MAILED: Oct. 2/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-37 FILE # 90-4752
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	AU* ppb
SLD90-57-1	5

- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY. C. Leong. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: SEP 24 1990
DATE REPORT MAILED: Oct. 2/90

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-37 FILE # 90-4752
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	Au** oz/t
SLD90-57-2	.001
SLD90-57-5	.001
SLD90-57-6	.001
SLD90-57-9	.002
SLD90-57-12	.001
SLD90-57-13	.022
STANDARD AU-1	.102

AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE

SIGNED BY. C. Leong. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-37 File # 90-4752
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: PAUL CONROY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** oz/t	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SLD90-57-3	1	139	496	1170	5.7	51	7	3924	2.86	78	85	ND	7	15	19.4	2	2	8	.17	.047	16	14	.06	26	.01	8	.38	.01	.21	1	-	1150	.005	.01	.005
SLD90-57-4	4	62	384	584	2.8	15	6	1637	2.00	219	18	ND	12	10	9.7	2	2	5	.10	.027	18	8	.03	22	.01	6	.36	.02	.15	1	.12	1550	.007	ND	.007
SLD90-57-7	3	2512	485	399	59.4✓	10	1	548	.98	224	19	4	13	7	9.5	117	28	1	.07	.023	13	4	.01	23	.01	5	.25	.01	.17	1	-	1250	.035	.49	.047
SLD90-57-8	30	205	413	6881	37.5✓	25	7	943	2.72	137	50	2	4	26	139.9	2	30	11	.23	.082	7	12	.05	53	.01	8	.45	.01	.23	1	1.37	1250	.073	.06	.074
SLD90-57-10	8	187	9980	2836	16.4	14	1	90	1.94	127	32	5	14	37	59.8	3	6	2	.11	.041	12	6	.01	35	.01	8	.34	.01	.21	1	.53	1450	.126	.46	.135
SLD90-57-11	4	263	508	226	42.4	9	1	33	.66	85	16	2	19	11	4.9	40	18	1	.07	.025	30	6	.01	266	.01	6	.24	.01	.18	1	-	1250	.012	.15	.016

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE

DATE RECEIVED: SEP 24 1990 DATE REPORT MAILED: Oct 2/90. SIGNED BY. C. Leong. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

✓ ASSAY RECOMMENDED

ACME ANAL .CAL LABORATORIES LTD. 852 E. HASTINGS ST. VI UVER B.C. V6A 1R6

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-38 File # 90-4936

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: PAUL CONROY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SLD90-58-3	6	11	158	165	.1	14	3	417	1.38	8	5	ND	11	7	3.0	2	2	1	.13	.018	10	13	.05	211	.01	5	.39	.02	.22	1	1100	.001	ND	.001
SLD90-58-5	3	9	6	64	.5	51	18	1547	3.78	5	5	ND	8	13	.2	2	2	24	.27	.078	9	26	.40	33	.03	8	.83	.02	.41	1	1150	.001	ND	.001
SLD90-58-6	4	14	43	69	.5	9	2	97	.67	4	5	ND	17	9	1.4	2	2	4	.09	.025	19	4	.03	56	.01	4	.45	.03	.23	1	1050	.001	ND	.001
SLD90-59-3	5	26	175	97	1.4	8	2	778	1.33	14	5	ND	12	8	1.7	2	2	5	.17	.021	18	11	.09	43	.01	4	.39	.05	.19	1	1000	.007	.05	.009
SLD90-59-6	4	33	221	265	3.0	9	3	676	1.29	39	5	ND	13	4	5.0	2	2	2	.08	.020	13	10	.02	28	.01	4	.25	.01	.16	1	1000	.011	ND	.011
SLD90-59-11	7	86	121	44	16.2	22	10	933	2.76	16	5	ND	10	11	.4	2	20	3	.10	.026	14	11	.04	23	.01	6	.30	.02	.13	1	1000	.028	ND	.028
SLD90-59-16	4	91	171	77	32.6	47	71	1897	12.17	42	14	5	8	12	.7	2	50	7	.16	.043	5	9	.08	17	.01	2	.34	.01	.18	1	1100	.129	.04	.130
SLD90-59-17	5	18	244	126	9.0	13	5	303	1.01	13	28	ND	16	5	4.0	2	5	1	.09	.022	9	2	.04	35	.01	3	.35	.01	.20	1	1050	.007	ND	.007
SLD90-59-18	5	33	159	90	1.0	10	2	822	1.07	11	8	ND	15	7	2.0	2	2	1	.09	.022	13	6	.03	37	.01	4	.31	.01	.16	1	1200	.003	ND	.003
STANDARD C	18	57	40	131	7.1	72	31	1051	3.95	42	16	7	40	52	19.6	15	20	60	.45	.093	40	56	.89	189	.07	37	1.89	.06	.13	11	-	-	ND	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE

DATE RECEIVED: OCT 1 1990 DATE REPORT MAILED: Oct 9/90. SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: OCT 1 1990
DATE REPORT MAILED: Oct 9/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-38 FILE # 90-4936
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	AU* ppb
SLD90-58-1	50
SLD90-58-8	9
SLD90-58-9	11
SLD90-59-1	740
SLD90-59-8	21
SLD90-59-9	10
SLD90-59-13	18
SLD90-59-14	25
STANDARD AU-R	520

- SAMPLE TYPE: CORE * AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Au** oz/t
SLD90-58-2	.001
SLD90-58-4	.001
SLD90-58-7	.001
SLD90-59-2	.009
SLD90-59-4	.001
SLD90-59-5	.001
SLD90-59-7	.001
SLD90-59-10	.001
SLD90-59-12	.001
SLD90-59-15	.001
SLD90-59-19	.001

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: OCT 9 1990
DATE REPORT MAILED: Oct. 17/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-39 FILE # 90-5181
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	AU* ppb
SND90-60-1	9
SND90-60-3	12
SND90-60-4	100
SND90-60-5	61

- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: OCT 9 1990
DATE REPORT MAILED: Oct. 17/90

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-39 FILE # 90-5181
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	Au** oz/t
SND90-60-2	.008
SND90-60-6	.001
SND90-60-8	.001
SND90-60-9	.001
SND90-60-11	.014
SND90-60-12	.001
SND90-60-14	.001
SND90-60-15	.001
SND90-60-17	.001
SND90-60-18	.032
SND90-60-19	.001
SND90-60-20	.002
SND90-60-22	.001
STANDARD AU-1	.103

AU** BY FIRE ASSAY FROM 1 A.T.
SAMPLE TYPE: CORE

SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-39 File # 90-5181
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: PAUL CONROY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	MATIVE Au mg	AVG. oz/t
SND90-60-7	6	32	393	928	1.4	10	9	1945	4.28	12	6	ND	8	15	14.0	3	5	17	.38	.076	25	24	.24	62	.01	3	.64	.03	.19	1	1150	.007	ND	.007
SND90-60-10	6	290	1263	279	6.6	13	15	494	5.64	236	8	3	4	7	2.5	5	2	3	.11	.025	9	22	.05	20	.01	5	.35	.01	.21	1	1400	.090	.01	.090
SND90-60-13	5	560	424	307	7.1	9	7	798	4.08	418	5	ND	4	7	2.1	5	2	3	.16	.038	9	20	.08	36	.01	4	.40	.02	.22	1	1450	.045	ND	.045
SND90-60-16	20	101	220	226	2.2	12	13	1884	4.85	120	5	ND	4	15	2.1	2	2	22	.52	.150	34	18	.20	56	.02	3	.63	.04	.22	1	1250	.016	ND	.016
SND90-60-21	70	98	161	340	1.7	14	9	1574	4.10	28	5	3	5	9	1.6	2	2	10	.28	.061	16	27	.18	39	.01	6	.41	.03	.18	1	1300	.078	ND	.078

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE

DATE RECEIVED: OCT 9 1990 DATE REPORT MAILED: Oct 17/90. SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JAN 24 1991
DATE REPORT MAILED: Jan. 31/91.

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-40 FILE # 90-5298R
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9

RECEIVED
FEB - 6 1991

SAMPLE#	Au** oz/t
SND 90-61-18	2.403
SND 90-61-26	.076

AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE PULP

SIGNED BY. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: OCT 15 1990
DATE REPORT MAILED: Oct. 19/90

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-40 FILE # 90-5298
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	Au** oz/t
SND90-61-1	.001
SND90-61-4	.001
SND90-61-7	.001
SND90-61-9	.001
SND90-61-12	.001
SND90-61-14	.001
SND90-61-16	.001
SND90-61-19	.001
SND90-61-25	.001
SND90-61-28	.001
SND90-62-4	.001
SND90-62-8	.001
STANDARD AU-1	.102

AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE

SIGNED BY. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-40 FILE # 90-5298
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: OCT 15 1990
DATE REPORT MAILED: Oct. 19/90
OCT 19 90

SAMPLE#	AU* ppb
SND90-61-5	6
SND90-61-6	2
SND90-61-10	3
SND90-61-11	1
SND90-61-15	13
SND90-61-20	38
SND90-61-21	66
SND90-61-22	21
SND90-61-23	41
SND90-61-24	130
SND90-61-29	2
SND90-62-1	23
SND90-62-2	7
SND90-62-3	1500
SND90-62-9	48
SND90-62-10	330
SND90-62-11	12
SND90-62-12	28
SND90-62-13	33
SND90-62-14	8
STANDARD AU-R	510

- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-40 File # 90-5298
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: PAUL CONROY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SND90-61-2	7	94	115	237	1.0	14	3	186	1.52	176	7	ND	7	2	4.7	2	2	3	.08	.018	11	32	.05	33	.01	4	.31	.02	.18	1	1100	.017	ND	.017
SND90-61-3	2	57	55	125	.8	2	1	575	1.14	50	5	ND	10	2	2.2	2	2	4	.09	.023	15	6	.05	24	.01	2	.23	.02	.12	1	950	.005	ND	.005
SND90-61-8	9	121	170	52	2.9	13	2	251	2.91	109	6	ND	7	1	1.4	2	2	1	.06	.022	10	32	.02	22	.01	3	.35	.01	.23	1	1150	.004	ND	.004
SND90-61-13	3	237	243	143	3.1	1	3	461	2.81	111	8	ND	10	2	1.9	12	2	1	.06	.018	4	2	.01	26	.01	3	.18	.01	.14	1	1100	.025	ND	.025
SND90-61-17	8	303	99	93	5.3	11	4	429	3.85	36	5	5	9	3	2.3	14	6	2	.06	.018	7	23	.02	15	.01	4	.26	.01	.18	1	1350	.209	1.08	.232
SND90-61-18	1	4831	309	413	120.4	2	15	306	13.69	113	5	98	1	1	9.4	8	22	1	.03	.008	2	6	.01	5	.01	6	.10	.01	.12	1	1150	1.108	2.76	1.178
SND90-61-26	6	244	315	400	5.1	8	3	466	4.40	160	5	3	8	1	10.5	2	2	1	.05	.016	5	20	.02	15	.01	4	.28	.01	.22	1	1200	.239	.94	.262
SND90-61-27	2	213	186	218	3.7	1	2	628	2.81	99	7	ND	9	2	5.4	2	3	1	.06	.020	4	1	.02	14	.01	2	.15	.01	.14	1	1400	.012	ND	.012
SND90-62-5	5	23	61	139	.1	7	3	902	1.83	11	12	ND	11	9	.2	2	2	3	.14	.028	21	19	.06	25	.01	4	.28	.02	.14	1	1300	.001	ND	.001
SND90-62-6	2	87	94	105	.9	2	1	803	1.85	43	7	ND	12	7	.2	2	2	2	.10	.020	10	4	.04	24	.01	3	.21	.01	.14	1	1000	.005	ND	.005
SND90-62-7	16	354	385	159	24.2	11	2	62	1.19	45	21	8	8	10	2.2	73	2	1	.06	.008	11	24	.02	44	.01	5	.25	.01	.16	1	1250	.253	1.72	.293
STANDARD C	18	62	41	131	7.1	70	31	1056	3.93	42	15	7	36	52	18.8	15	18	55	.45	.094	39	60	.89	180	.07	34	1.89	.06	.13	11	-	-	-	ND	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE

DATE RECEIVED: OCT 15 1990 DATE REPORT MAILED: Jan 31/91 SIGNED BY. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: OCT 22 1990
DATE REPORT MAILED: Oct. 26/90.

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-41 FILE # 90-5431

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	AU* ppb
SND90-63-12	370
SND90-63-13	140
SND90-63-14	17
SND90-64-1	110
SND90-64-2	75
SND90-64-8	270
SND90-64-9	290
SND90-65-1	87
SND90-65-2	110
SND90-65-8	69
SND90-65-12	26
SND90-66-4	20
SND90-66-8	2750
SND90-66-9	170
SND90-66-10	10
STANDARD AU-R	530

- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Cordilleran Engineering Ltd. PROJECT ELK D90-41 FILE # 90-5431

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** oz/t	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SND90-63-2	5	21	21	41	.5	12	3	627	1.73	3	5	ND	11	8	.2	2	2	11	.15	.033	29	25	.14	92	.03	2	.41	.04	.15	2	-	1150	.001	ND	.001
SND90-63-5	5	16	13	74	.4	9	7	1501	3.53	4	5	ND	6	12	.3	2	2	26	.32	.083	18	21	.35	128	.04	3	.76	.05	.27	1	-	1300	.004	.14	.007
SND90-63-6	6	27	40	107	.1	12	6	1630	2.79	5	5	ND	7	13	.2	2	2	14	.34	.082	21	18	.14	100	.02	27	.69	.05	.30	1	-	1050	.001	ND	.001
SND90-63-9	4	217	120	287	2.9	10	6	329	2.80	194	5	ND	6	14	4.6	3	2	4	.23	.073	11	12	.05	50	.01	3	.59	.01	.34	1	-	1350	.010	ND	.010
SND90-63-10	6	14	8	49	.1	9	7	709	1.89	9	5	ND	9	28	.2	2	2	19	.35	.080	21	22	.23	157	.05	6	.76	.04	.26	1	-	1250	.001	ND	.001
SND90-64-4	9	101	108	109	1.1	19	4	991	2.49	95	5	ND	8	3	.6	2	2	3	.09	.027	14	37	.05	61	.01	4	.39	.01	.26	2	-	1500	.012	.69	.025
SND90-64-6	7	51	74	100	1.3	18	6	711	2.33	29	5	ND	9	6	.3	2	4	8	.12	.030	20	31	.10	76	.02	5	.39	.03	.19	1	-	1300	.038	.22	.043
SND90-64-11	7	623	1443	2703	24.2	15	7	334	3.60	195	9	14	4	10	81.2	24	4	4	.14	.042	8	25	.04	31	.01	4	.37	.01	.21	1	.70	1350	.443	.53	.454
SND90-64-13	4	61	159	267	1.0	7	8	2287	3.94	9	5	ND	6	11	1.8	2	4	7	.32	.076	14	10	.12	151	.01	4	.48	.01	.27	2	-	1500	.036	ND	.036
SND90-65-4	4	22	191	254	.5	11	9	1224	2.75	8	5	ND	5	17	6.0	2	2	27	.40	.088	29	17	.33	219	.08	5	.81	.05	.32	1	-	1400	.002	ND	.002
SND90-65-6	4	48	6	69	.6	9	9	1878	3.30	41	5	ND	7	10	.2	2	3	14	.34	.085	24	20	.21	103	.02	4	.68	.03	.31	1	-	1100	.014	.13	.018
SND90-65-10	4	45	65	121	.4	9	8	2040	4.30	16	9	ND	7	14	.9	2	2	33	.38	.095	22	22	.37	233	.08	5	.80	.04	.43	1	-	1250	.003	ND	.003
SND90-65-14	6	1033	1497	1198	84.4	17	10	745	7.26	1531	12	71	4	5	30.3	15	12	7	.16	.047	9	30	.10	17	.01	5	.40	.01	.19	1	1.86	1700	1.395	.93	1.411
SND90-66-2	4	196	51	267	4.3	10	11	1812	4.18	832	5	3	6	10	6.0	2	4	20	.37	.096	17	22	.28	61	.04	4	.67	.03	.32	1	-	1300	.116	.04	.117
SND90-66-6	5	45	11	56	.3	12	8	1867	3.56	38	5	ND	6	16	1.4	2	2	30	.42	.089	29	21	.37	81	.03	4	.54	.05	.17	2	-	1450	.001	.03	.002
SND90-66-12	5	367	287	199	13.3	8	7	473	5.57	91	5	2	5	5	3.3	55	2	4	.21	.077	8	23	.09	21	.01	5	.51	.01	.32	1	-	1150	.099	.08	.101
SND90-66-13	12	1630	931	637	269.6	25	10	357	15.39	378	5	222	1	1	15.3	157	88	2	.04	.017	2	43	.02	4	.01	4	.15	.01	.11	1	7.45	1400	7.956	.85	7.974
SND90-66-14	6	127	203	316	1.2	14	7	1622	3.91	233	5	ND	6	8	2.8	10	2	7	.27	.074	13	18	.16	59	.01	2	.45	.02	.24	1	-	1450	.006	.04	.007
STANDARD C	19	62	43	134	7.4	73	32	1059	3.99	41	20	7	38	52	18.5	15	20	59	.47	.096	38	59	.90	183	.08	35	1.91	.06	.14	11	-	-	-	ND	-

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: OCT 22 1990
DATE REPORT MAILED: Oct. 26/90

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-41 FILE # 90-5431

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	Au** oz/t
SND90-63-1	.001
SND90-63-3	.001
SND90-63-4	.001
SND90-63-7	.003
SND90-63-8	.001
SND90-63-11	.001
SND90-64-3	.001
SND90-64-5	.001
SND90-64-7	.001
SND90-64-10	.001
SND90-64-12	.001
SND90-64-14	.001
SND90-65-3	.001
SND90-65-5	.001
SND90-65-7	.001
SND90-65-9	.001
SND90-65-11	.001
SND90-65-13	.001
SND90-65-15	.001
SND90-66-1	.001
SND90-66-3	.001
SND90-66-5	.001
SND90-66-7	.001
SND90-66-11	.001
SND90-66-15	.001
STANDARD AU-1	.104

AU** BY FIRE ASSAY FROM 1 A.T.
SAMPLE TYPE: CORE

C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SIGNED BY

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: NOV 15 1990
DATE REPORT MAILED: RECEIVED NOV 22/90
NOV 2 2 1990

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-44 FILE # 90-5695R

SAMPLE#	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SND90-71-22	1100	.230	5.81	.384
SND90-72-4	1100	.227	2.73	.299
SND90-72-8	1200	.338	3.40	.421
SND90-72-9	1550	.534	13.73	.792
SND90-73-19	1550	.922	10.52	1.120
SND90-74-13	1300	.355	5.41	.476

-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: REJECT

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: NOV 2 1990
DATE REPORT MAILED: RECEIVED Nov 14/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-44 FILE # 90-5695
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	AU* ppb
SND90-71-18	12
SND90-72-1	120
SND90-72-6	94
SND90-72-11	8
SND90-72-12	8
SND90-73-1	10
SND90-73-2	13
SND90-73-3	59
SND90-73-4	100
SND90-74-1	43
SND90-74-2	9
SND90-74-3	3
SND90-74-4	31
SND90-74-5	59
SND90-74-15	6
SND90-74-16	290
STANDARD AU-R	530

SAMPLE#	Au** oz/t
SND90-71-1	.001
SND90-71-3	.001
SND90-71-5	.001
SND90-71-6	.001
SND90-71-8	.001
SND90-71-9	.003
SND90-71-11	.001
SND90-71-12	.001
SND90-71-14	.001
SND90-71-15	.001
SND90-71-17	.001
SND90-71-19	.001
SND90-71-21	.001
SND90-71-23	.001
SND90-71-25	.001
SND90-72-2	.001
SND90-72-5	.001
SND90-72-7	.001
SND90-72-10	.001
SND90-73-5	.005
SND90-73-7	.035
SND90-73-10	.001
SND90-73-11	.001
SND90-73-13	.001
SND90-73-14	.001
SND90-73-17	.001
SND90-73-18	.007
SND90-73-20	.001
SND90-73-22	.001
SND90-74-6	.001
SND90-74-8	.001
SND90-74-9	.001
SND90-74-11	.001
SND90-74-12	.001
SND90-74-14	.001
STANDARD AU-1	.101

- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-44 File # 90-5695
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: PAUL CONROY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Ag** oz/t	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SND90-71-2	9	74	536	293	1.8	15	2	236	1.44	845	5	ND	7	2	5.7	3	2	1	.05	.013	7	39	.02	52	.01	2	.19	.01	.14	1	-	900	.034	.14	.038
SND90-71-4	5	247	168	116	2.6	9	3	732	3.96	128	5	ND	10	5	1.1	6	2	1	.08	.018	7	23	.08	16	.01	2	.21	.01	.14	1	-	1000	.002	ND	.002
SND90-71-7	5	99	13	40	.6	8	2	633	1.69	31	5	ND	11	4	.2	2	2	1	.08	.021	12	21	.03	16	.01	4	.16	.01	.11	1	-	1150	.001	ND	.001
SND90-71-10	6	61	63	98	.3	9	3	649	1.91	16	5	ND	12	6	.2	3	2	4	.09	.021	17	24	.03	37	.01	2	.18	.02	.10	1	-	1100	.007	.06	.009
SND90-71-13	6	62	293	238	.7	10	2	988	1.77	20	5	ND	10	4	5.8	2	2	3	.09	.020	17	27	.05	30	.01	2	.18	.02	.12	1	-	1100	.010	.09	.012
SND90-71-16	6	267	353	104	4.4	10	3	570	4.17	75	5	ND	10	2	1.8	5	2	1	.07	.018	6	26	.03	18	.01	2	.18	.01	.14	1	-	1000	.036	.03	.037
SND90-71-20	5	154	36	28	2.8	7	2	856	2.89	51	5	ND	9	14	.3	2	2	1	.42	.019	7	20	.06	18	.01	2	.16	.01	.13	1	-	1000	.033	.04	.034
SND90-71-22	6	1328	568	182	22.7	9	3	519	4.13	202	60	19	8	3	7.5	28	40	1	.06	.015	6	25	.02	18	.01	2	.15	.01	.11	1	.81	1100	.512	8.34	.733
SND90-71-24	5	418	258	86	2.9	8	2	704	2.70	165	6	ND	10	5	2.4	10	3	2	.07	.016	10	20	.03	38	.01	2	.15	.01	.09	1	.17	1300	.055	.47	.066
SND90-72-3	6	252	268	98	1.6	11	3	461	2.29	53	20	ND	11	5	1.6	5	2	1	.06	.016	8	29	.02	27	.01	3	.25	.01	.16	1	-	950	.011	ND	.011
SND90-72-4	7	761	2635	52	24.4	14	10	67	7.15	136	5	6	6	2	2.9	11	25	1	.02	.005	4	29	.01	13	.01	2	.16	.01	.13	1	.73	900	.232	1.11	.268
SND90-72-8	3	1193	849	2931	26.4	5	4	295	3.67	1377	5	12	10	4	65.4	5	32	1	.05	.017	20	13	.02	27	.01	3	.15	.01	.12	1	.94	1100	.489	3.34	.577
SND90-72-9	6	158	48	52	11.6	11	4	292	2.83	29	5	12	10	5	.2	3	19	2	.06	.015	10	26	.02	33	.01	2	.16	.01	.11	1	-	1100	.564	15.88	.985
SND90-73-6	6	602	116	146	10.5	11	3	453	3.32	154	5	ND	10	2	3.3	3	3	1	.05	.018	8	29	.02	21	.01	2	.21	.01	.17	1	-	1200	.016	.50	.028
SND90-73-8	7	99	77	66	1.7	12	3	505	2.23	68	5	ND	11	8	.3	4	5	2	.08	.018	19	33	.02	34	.01	2	.22	.03	.13	1	-	1100	.011	.19	.016
SND90-73-9	7	478	370	95	10.5	11	4	135	4.04	145	5	3	9	11	2.3	11	12	1	.05	.016	7	28	.01	23	.01	2	.19	.01	.13	1	-	1200	.150	.48	.162
SND90-73-12	5	72	58	30	.9	8	2	212	1.35	418	5	ND	9	4	.3	5	2	1	.07	.020	11	22	.02	23	.01	2	.16	.01	.12	1	-	1250	.007	ND	.007
SND90-73-15	3	270	94	47	7.5	5	6	394	4.48	116	5	ND	9	2	.4	5	6	1	.06	.018	4	10	.02	15	.01	2	.15	.01	.12	1	-	1200	.022	ND	.022
SND90-73-16	7	337	169	46	11.5	8	4	398	4.32	149	5	ND	7	2	1.0	7	7	1	.05	.016	4	21	.01	23	.01	2	.14	.01	.13	1	-	1200	.085	.08	.087
SND90-73-19	38	60	2950	1597	17.0	6	14	802	1.60	35	110	36	10	11	34.4	37	2	3	.09	.026	35	10	.03	71	.01	2	.15	.02	.08	3	-	1100	.902	1.69	.947
SND90-73-21	6	150	98	50	1.2	8	2	450	1.98	117	5	ND	11	9	.4	3	2	2	.08	.021	10	20	.03	63	.01	2	.17	.01	.11	1	-	1200	.004	ND	.004
SND90-74-7	3	530	266	86	4.7	6	3	765	6.97	1335	24	ND	10	3	2.3	5	2	1	.07	.016	9	10	.04	14	.01	2	.15	.01	.10	1	-	1200	.024	ND	.024
SND90-74-10	5	65	172	85	.9	8	18	318	1.82	60	18	ND	30	4	.9	3	2	1	.05	.011	17	20	.02	30	.01	2	.16	.02	.09	1	-	1200	.016	.05	.017
SND90-74-13	3	4954	700	405	9.9	5	2	358	3.25	74	13	4	9	2	15.8	17	14	1	.06	.016	7	12	.02	31	.01	2	.15	.01	.12	1	.33	1150	.204	1.57	.244
STANDARD C	18	58	38	129	7.0	73	31	1053	3.97	39	16	7	40	56	19.4	14	21	58	.46	.095	39	59	.89	187	.07	33	1.90	.06	.14	13	-	-	-	ND	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE

DATE RECEIVED: NOV 2 1990 DATE REPORT MAILED: Nov 14/90 SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ELK - RECCE ROCK

Cordilleran Engineering Ltd. PROJECT PROSPECTING #7 FILE # 90-2837

SAMPLE#	Ag ppm	Au* ppb
P6-R2	.5	6
P6-R3	.1	4
P6-R4	.2	6
E90-R1	.1	6
STANDARD C/AU-R	7.2	540

SAMPLE#	Ag** oz/t	Au** oz/t
E90-R2	.01	.004
E90-R3	1.16	.021
E90-R4	1.80	.020
E90-R5	.81	.015
E90-R6	1.93	.049

Chemex Labs Ltd.

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

CORDILLERAN ENGINEERING
1980 - 1055 W. HASTINGS ST.
VANCOUVER, BC
V6E 2E9

JAN 2 3 1991

Page ...ver : 1
Total Pages : 2
Invoice Date: 22-JAN-91
Invoice No. : I-9110372
P.O. Number :

Project : ELK PROPERTY
Comments: ATTN: JEFF ROWE

CERTIFICATE OF ANALYSIS A9110372

SAMPLE DESCRIPTION	PREP CODE	Au tot oz/t	Ag tot oz/t	Au - oz/t	Ag - oz/t	Au + mg	Ag + mg	Wt. - grams	Wt. + grams	Au FA oz/T	Ag FA oz/T	Au FA oz/T	Ag oz/T
SND90-16-8	266 --	0.548	1.40	0.539	1.39	0.473	0.75	899	10.38	0.514	1.36	0.564	1.42
SND90-20-10	266 --	0.959	4.03	0.892	3.95	3.213	7.44	893	35.03	0.878	3.71	0.906	4.19
SND90-20-11	266 --	0.763	2.20	0.747	2.20	1.262	2.19	973	27.78	0.786	2.11	0.708	2.28
SND90-21-6	266 --	0.346	0.14	0.344	0.14	0.464	0.12	925	33.67	0.338	0.11	0.350	0.16
SND90-21-7	266 --	0.046	0.14	0.045	0.14	0.073	0.11	840	29.66	0.042	0.10	0.048	0.17
SND90-24-4	266 --	0.058	0.22	0.056	0.22	0.152	0.39	992	34.01	0.047	0.19	0.064	0.24
SND90-24-5	266 --	0.233	0.64	0.213	0.62	1.010	1.38	999	39.05	0.205	0.55	0.220	0.69
SND90-26-6	266 --	1.252	2.95	1.210	2.92	1.816	2.02	942	10.59	1.179	2.63	1.240	3.21
SND90-27-8	266 --	1.862	1.43	1.692	1.41	7.203	2.05	932	27.59	1.594	1.27	1.790	1.55
SND90-29-7	266 --	1.613	2.18	1.499	2.14	4.287	1.95	964	9.29	1.366	1.93	1.632	2.34
SND90-29-8	266 --	0.205	0.61	0.193	0.60	0.451	0.55	900	11.76	0.176	0.53	0.210	0.66
SND90-29-9	266 --	0.056	0.16	0.054	0.16	0.117	0.11	920	27.68	0.038	0.11	0.070	0.20
SND90-31-13	266 --	0.042	0.09	0.042	0.09	0.039	0.14	943	34.80	0.029	0.07	0.054	0.10
SND90-31-14	266 --	0.547	0.49	0.467	0.44	3.302	2.13	973	34.39	0.444	0.36	0.490	0.51
SND90-31-15	266 --	0.077	0.17	0.077	0.16	0.069	0.38	897	30.38	0.061	0.12	0.092	0.20
SND90-31-16	266 --	0.071	0.18	0.066	0.17	0.230	0.54	849	34.60	0.064	0.19	0.068	0.14
SND90-33-5	266 --	4.665	5.65	4.412	5.57	10.407	5.51	897	16.47	4.432	5.40	4.392	5.73
SND90-37-24	266 --	1.622	0.78	1.466	0.76	6.665	1.20	999	23.64	1.494	0.68	1.438	0.83
SND90-44-16	266 --	0.444	1.00	0.411	0.98	1.612	2.05	871	41.36	0.425	0.96	0.396	1.00
SND90-44-22	266 --	1.679	2.51	1.481	2.41	7.962	5.81	883	33.93	1.427	2.42	1.534	2.40
SND90-47-14	266 --	1.932	1.71	1.578	1.54	12.577	6.62	905	24.00	1.444	1.41	1.712	1.67
SND90-48-17	266 --	0.184	0.20	0.138	0.19	1.698	0.59	1004	16.32	0.117	0.15	0.158	0.23
SND90-48-20	266 --	0.280	0.31	0.249	0.30	1.232	0.62	898	29.70	0.234	0.29	0.264	0.31
SND90-49-6	266 --	0.058	0.22	0.050	0.21	0.315	0.46	867	38.21	0.041	0.20	0.058	0.21
SND90-49-7	266 --	2.033	1.75	1.666	1.68	13.273	3.73	914	25.48	1.699	1.68	1.632	1.68
SND90-50-19	266 --	1.168	1.39	1.157	1.36	0.782	1.40	982	10.36	1.143	1.29	1.170	1.42
SND90-61-17	266 --	0.051	0.08	0.050	0.08	0.049	0.11	1005	14.62	0.039	0.06	0.060	0.09
SND90-61-18	266 --	0.901	1.90	0.882	1.89	1.431	2.09	901	27.16	0.868	1.69	0.896	2.08
SND90-61-26	266 --	0.052	0.10	0.051	0.10	0.065	0.11	893	20.07	0.044	0.09	0.058	0.10
SND90-62-7	266 --	0.165	0.68	0.162	0.69	0.231	0.32	850	24.40	0.159	0.63	0.164	0.74
SND90-64-11	266 --	0.172	0.42	0.167	0.41	0.203	0.31	897	9.53	0.164	0.33	0.170	0.49
SND90-65-14	266 --	1.798	2.04	1.750	2.02	3.585	2.60	1090	29.20	1.802	1.94	1.698	2.09
SND90-66-12	266 --	0.072	0.39	0.073	0.40	0.054	0.26	858	34.58	0.072	0.35	0.074	0.45
SND90-66-13	266 --	9.796	7.91	8.597	7.49	48.296	22.67	876	36.56	8.686	7.28	8.508	7.70
SND90-69-13	266 --	1.974	4.48	1.961	4.51	3.105	5.36	855	40.38	2.024	4.50	1.898	4.51
SND90-71-1	266 --	0.012	0.04	0.012	0.04	< 0.002	< 0.01	944	35.68	0.006	0.02	0.018	0.05
SND90-71-22	266 --	0.437	0.60	0.398	0.58	1.665	1.13	956	25.08	0.371	0.53	0.424	0.62
SND90-72-4	266 --	0.306	0.66	0.285	0.65	0.913	0.83	908	23.94	0.283	0.64	0.286	0.65
SND90-72-8	266 --	0.489	0.76	0.441	0.75	1.929	1.05	880	29.12	0.439	0.73	0.442	0.76
SND90-72-9	266 --	0.773	0.45	0.653	0.42	4.496	1.18	935	24.75	0.654	0.37	0.652	0.47

CERTIFICATION: Anne Christie

Chemex Labs Ltd.

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

CORDILLERAN ENGINEERING
1980 - 1055 W. HASTINGS ST.
VANCOUVER, BC
V6E 2E9

RECEIVED
JAN 2 3 1991

Page ...er : 2
Total Pages : 2
Invoice Date: 22-JAN-91
Invoice No. : I-9110372
P.O. Number :

Project : ELK PROPERTY
Comments: ATTN: JEFF ROWE

CERTIFICATE OF ANALYSIS A9110372

SAMPLE DESCRIPTION	PREP CODE	Au tot oz/t	Ag tot oz/t	Au - oz/t	Ag - oz/t	Au + mg	Ag + mg	Wt. - grams	Wt. + grams	Au FA oz/T	Ag FA oz/T	Au FA oz/T	Ag oz/T
SND90-73-19	266 --	1.530	0.78	1.197	0.66	12.816	4.94	970	33.43	1.176	0.56	1.218	0.76
SND90-74-13	266 --	0.324	0.39	0.291	0.38	1.298	0.54	884	26.73	0.277	0.32	0.304	0.43

Chemex Labs Ltd.

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A9110372

Comments: ATTN: JEFF ROWE

CERTIFICATE A9110372

CORDILLERAN ENGINEERING

Project: ELK PROPERTY
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 22-JAN-91.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
266	42	Special prep procedure

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
880	42	Au oz/t: Total, metallics calc	FA-AAS/GRAV	0.001	20.000
878	42	Ag oz/t: Total, metallics calc	FA-AAS/GRAV	0.01	20.00
884	42	Au- oz/t: Metallics calculation	FA-AAS/GRAV	0.001	20.000
882	42	Ag- oz/t: Metallics calculation	FA-AAS/GRAV	0.01	20.00
887	42	Au+ mg: Metallics calculation	FA-AAS/GRAV	0.001	50.000
886	42	Ag+ mg: Metallics calculation	FA-AAS/GRAV	0.01	50.00
889	42	Weight- g: Metallics calculation	BALANCE	1	N/A
888	42	Weight+ g: Metallics calculation	BALANCE	0.01	N/A
996	42	Au oz/T: 1 assay ton	FA-GRAVIMETRIC	0.002	20.000
383	42	Ag oz/T	FA-GRAVIMETRIC	0.01	20.00
396	42	Au oz/T: 1/2 assay ton	FA-GRAVIMETRIC	0.003	20.000
385	42	Ag oz/T: Aqua regia digestion	AAS	0.01	20.0

ANALYTICAL RESULTS

T R E N C H E S

Project Identification	Lab File No(s)
Elk T90-1	90-1843, 1843R
Elk T90-2	-1991, 1991A, 1991R
ELK T90-5	-2239, 2239A, 2239R, 2239R2
Elk T90-7	-2367, 2367A, 2367R
Elk T90-9	-2553
	-2554
	-2555
Elk T90-10	-2808, 2808A
Elk T90-13	-3029, 3029A
Elk T90-14	-3031
Elk T90-15	-3030, 3030A
Elk T90-17	-3206
Elk T90-19	-3417
Elk T90-21	-3418
Elk T90-23	-3713
Elk T90-24	-3714
Elk T90-26	-3865
Elk T90-27	-3866
Elk T90-31	-4336
Elk T90-33	-4518
Elk T90-34	-4517
Elk T90-42	-5433

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK/T90-1 File # 90-1843A

JUN 26 90

1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Submitted by: PAUL CONROY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
SN901-2P	11	50	84	26	2.4	23	3	97	2.18	53	5	2	4	59	.2	3	3	23	.21	.049	21	154	.10	394	.01	10	1.34	.07	.44	1
SN901-6P	13	269	26	23	1.8	17	3	87	3.87	22	5	ND	9	20	.2	2	2	16	.13	.056	17	95	.05	165	.01	6	.90	.08	.37	1
SN901-7P	23	83	269	9	139.3	32	3	91	2.54	64	5	193	3	17	.2	2	35	4	.03	.010	6	284	.03	68	.01	4	.45	.01	.30	1
SN901-10P	11	38	62	16	6.8	16	2	103	1.92	61	5	5	4	37	.2	2	6	12	.12	.033	18	96	.07	269	.01	3	.85	.03	.42	1
SN901-14P	11	138	222	12	6.1	17	2	74	6.78	154	5	8	2	19	.2	2	15	10	.10	.022	7	152	.06	95	.01	4	.77	.13	.89	1
SN901-15P	23	56	157	5	171.0	42	3	121	2.37	17	5	285	2	14	.2	2	10	4	.03	.006	5	242	.02	82	.01	3	.30	.02	.25	1
STANDARD C	19	60	37	132	8.0	73	32	1065	4.04	43	22	7	40	52	18.6	16	22	61	.51	.090	39	60	.94	179	.10	36	1.97	.06	.13	12

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Rock

DATE RECEIVED: JUN 19 1990 DATE REPORT MAILED: June 26/90. SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

✓ASSAY RECOMMENDED

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

JUN 26 90

DATE RECEIVED: JUN 19 1990 DATE REPORT MAILED: June 26/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK/T90-1 FILE # 90-1843

1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	AU* ppb
SN901-1	280
SN901-3	88
SN901-4	335
SN901-5	128
SN901-8	43
SN901-9	66
SN901-11	440
SN901-12	116
SN901-13	320

- SAMPLE TYPE: Rock AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUN 19 1990 DATE REPORT MAILED: June 26/90

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK/T90-1 FILE # 90-1843A

1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	SAMPLE wt. gm	AU-100 NATIVE oz/t	Au mg	AVG. oz/t
SN901-2P	1500	.096	.44	.104
SN901-6P	1880	.019	.02	.019
SN901-7P	1820	5.676	7.27	5.792
SN901-10P	1800	.159	.07	.160
SN901-14P	1300	.241	.13	.244
SN901-15P	2030	8.254	11.57	8.420

-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Rock

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 2 1990

DATE REPORT MAILED: Aug.13/90.

AUG 13 90

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK/T90-2 FILE # 90-1991R

1980 - 1055 W. Hastings St., Vancouver BC

SAMPLE#	AU** oz/t
SN901-79P	.016

- SAMPLE TYPE: Rock Pulp AU** BY FIRE ASSAY FROM 1 A.T.

SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUN 26 1990

DATE REPORT MAILED: July.5/90.

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK/T90-2 FILE # 90-1991

1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: P. CONROY

SAMPLE#	AU* ppb
SN901-21	420
SN901-22	520
SN901-37	230
SN901-43	109
SN901-44	530
SN901-55	65
SN901-60	420
SN901-61	360
SN901-70	210
SN901-79P	1780
SN901-81P	65
SN901-85	34
STANDARD AU-R	470

JUL 05 90

- SAMPLE TYPE: Rock AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK/T90-2 File # 90-1991A

1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Submitted by: P. CONROY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
SN901-16P	6	40	196	80	.9	7	3	200	6.54	107	5	ND	6	47	.2	2	2	11	.13	.053	17	28	.05	158	.01	4	.43	.16	.50	10
SN901-19P	5	112	165	22	18.7	8	2	92	3.26	85	5	9	3	81	.2	2	3	19	.18	.063	21	35	.07	412	.01	3	.76	.04	.28	7
SN901-24P	4	52	423	4	145.8	15	1	98	4.37	89	5	122	1	19	.2	2	12	3	.05	.012	4	62	.01	171	.01	3	.18	.14	.26	30
SN901-25P	4	15	52	2	4.0	8	2	51	10.80	237	5	2	1	39	.2	2	2	6	.07	.025	3	37	.02	50	.01	2	.24	.38	1.19	16
SN901-26P	4	70	44	5	30.7	10	1	73	3.68	52	5	42	2	31	.2	2	9	7	.06	.025	9	44	.03	200	.01	4	.38	.11	.37	20
SN901-29P	4	33	273	14	11.0	8	1	52	2.77	55	5	8	3	73	.2	2	7	15	.18	.041	19	41	.06	373	.01	5	.58	.07	.33	10
SN901-31P	7	49	117	13	8.1	10	2	76	2.80	87	5	3	3	61	.2	19	2	10	.14	.056	19	41	.05	306	.01	6	.45	.02	.32	15
SN901-34P	12	53	132	5	3.1	14	2	51	7.85	109	5	2	3	55	.2	3	2	9	.13	.041	10	37	.04	74	.01	4	.48	.33	.77	1
SN901-35P	21	47	72	7	103.2	33	2	107	3.28	27	5	235	3	28	.2	3	18	5	.07	.014	9	87	.04	126	.01	5	.54	.05	.41	1
SN901-39P	9	41	58	21	2.2	14	4	171	1.60	24	5	2	6	45	.2	3	2	15	.26	.062	21	36	.09	322	.01	5	.76	.05	.21	1
SN901-41P	17	261	154	310	20.7	41	26	731	8.34	91	8	10	2	117	.3	21	2	26	.17	.125	15	42	.07	537	.01	11	.74	.01	.29	1
SN901-46P	22	87	689	8	125.5	23	2	84	3.78	85	5	163	2	30	.2	156	56	4	.06	.022	8	61	.03	177	.01	5	.32	.10	.36	1
SN901-47P	8	109	34	37	4.7	11	3	157	3.71	19	5	4	8	39	.2	4	2	23	.19	.070	22	26	.18	212	.06	4	.81	.05	.31	1
SN901-49P	7	227	81	92	1.0	15	8	191	3.74	37	5	ND	7	64	.2	7	2	19	.23	.095	24	27	.08	451	.01	5	.85	.04	.23	1
SN901-52P	14	81	1345	11	102.2	21	2	77	2.60	86	5	118	3	30	.2	8	62	5	.04	.022	7	53	.03	156	.01	3	.27	.07	.24	1
SN901-58P	6	179	57	91	1.5	26	9	341	3.60	33	5	ND	7	66	.2	2	2	28	.35	.107	26	54	.24	627	.02	5	.94	.04	.18	1
SN901-63P	13	74	247	9	82.2	18	2	72	2.69	59	5	80	3	36	.2	2	17	8	.07	.022	9	46	.05	238	.01	4	.39	.07	.31	1
SN901-66P	9	239	157	125	9.7	24	8	498	3.73	46	5	6	3	102	.2	2	2	17	.17	.083	16	40	.10	341	.01	9	.70	.02	.29	1
SN901-67P	2	265	94	152	.9	19	11	477	4.88	50	5	ND	2	114	.5	2	2	48	.49	.157	15	65	.22	958	.01	4	1.42	.01	.14	1
SN901-68P	7	79	155	23	2.7	15	2	179	1.56	41	5	ND	5	155	.2	5	2	12	.18	.059	22	33	.09	656	.01	10	.76	.03	.28	1
SN901-72P	18	66	853	9	179.2	27	2	122	2.08	236	5	171	3	34	.2	8	33	6	.05	.015	7	69	.05	114	.01	3	.30	.02	.17	1
SN901-73P	6	88	53	20	2.2	11	2	105	4.98	194	5	2	15	73	.2	2	2	26	.20	.086	29	26	.11	193	.06	6	.63	.18	.44	1
SN901-75P	7	70	98	29	24.4	14	3	117	2.12	55	5	20	1	93	.2	2	3	14	.14	.050	12	38	.08	392	.01	4	.67	.02	.31	1
SN901-77P	7	50	125	25	22.3	15	3	118	2.38	99	5	10	1	176	.2	3	2	16	.20	.059	15	38	.10	570	.01	4	.63	.03	.27	1
SN901-80P	7	149	369	79	1.7	13	4	184	3.00	23	5	2	9	74	.2	2	2	20	.19	.077	20	26	.11	496	.01	7	.67	.04	.19	1
SN901-83P	14	59	237	9	98.4	23	2	89	2.38	49	5	116	2	32	.2	4	18	6	.06	.011	6	58	.04	170	.01	3	.31	.05	.23	1
STANDARD C	18	56	37	132	7.2	67	30	1006	3.89	43	15	7	36	51	18.2	15	18	55	.50	.088	35	55	.91	180	.09	33	1.91	.06	.14	13

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Rock

DATE RECEIVED: JUN 26 1990 DATE REPORT MAILED: July 5/90. SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ASSAY RECOMMENDED for Ag > 30ppm.

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

Cordilleran Engineering Ltd. PROJECT ELK/T90-2 FILE # 90-1991A
1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: P. CONROY

DATE RECEIVED: JUN 26 1990 DATE REPORT MAILED: July 5/90

ASSAY CERTIFICATE

SAMPLE#	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SN901-16P	1400	.020	ND	.020
SN901-19P	1150	.282	.08	.284
SN901-24P	1130	3.271	3.97	3.373
SN901-25P	1050	.071	.08	.073
SN901-26P	1150	1.535	ND	1.535
SN901-29P	1100	.299	.22	.305
SN901-31P	1200	.106	.14	.109
SN901-34P	1150	.061	.02	.062
SN901-35P	1270	2.854	34.43	3.644
SN901-39P	1250	.086	.11	.089
SN901-41P	1250	.380	1.90	.424
SN901-46P	1480	3.825	17.21	4.164
SN901-47P	1400	.152	.02	.152
SN901-49P	1250	.014	ND	.014
SN901-52P	1450	3.620	37.51	4.374
SN901-58P	1250	.047	.49	.058
SN901-63P	1300	2.470	18.48	2.884
SN901-66P	1100	.244	.57	.259
SN901-67P	1050	.021	.03	.022
SN901-68P	1200	.034	.24	.040
SN901-72P	1300	2.685	46.46	3.727
SN901-73P	1200	.085	1.25	.115
SN901-75P	1150	.375	7.61	.568
SN901-77P	1200	.336	.78	.355
SN901-80P	1300	.034	.08	.036
SN901-83P	1250	2.393	17.01	2.790

-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Rock

SAMPLE#	Au** oz/t
SN901-17	.004
SN901-18	.005
SN901-20	.007
SN901-23P	.027
SN901-27	.011
SN901-28	.003
SN901-30	.019
SN901-32	.009
SN901-33P	.011
SN901-36P	.008
SN901-38	.002
SN901-40P	.009
SN901-42P	.012
SN901-45	.068
SN901-48	.012
SN901-50	.004
SN901-51P	.042
SN901-53P	.026
SN901-54P	.041
SN901-57P	.005
SN901-59P	.003
SN901-62P	.054
SN901-64P	.004
SN901-65	.006
SN901-69	.004
SN901-71P	.102
SN901-74P	.037
SN901-76P	.056
SN901-78P	.016
SN901-82P	.060
SN901-84P	.015
STANDARD AU-1	.103

AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Rock

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALY AL LABORATORIES LTD. 852 E. HASTINGS ST. VAN ER B.C. V6A 1R6

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-5 File # 90-2239A

1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
SN902-4P	8	60	304	26	22.6	10	3	135	2.74	750	5	29	6	6	.2	23	21	4	.03	.010	8	41	.03	233	.01	3	.25	.01	.09	17
SN902-9P	7	64	817	29	28.8	10	2	93	2.11	1226	7	23	7	7	.2	11	13	3	.01	.008	8	36	.02	900	.01	3	.24	.01	.09	16
SN902-13P	4	41	635	22	8.8	9	2	76	1.67	246	5	2	6	17	.2	2	4	4	.02	.014	13	32	.02	191	.01	2	.34	.01	.15	13
SN902-14P	9	42	1007	30	29.0	14	2	97	1.95	237	5	15	5	20	.2	7	6	4	.02	.014	10	53	.02	93	.01	2	.31	.01	.13	25
SN902-18P	3	24	192	13	10.0	8	1	62	.87	61	5	3	4	8	.2	2	2	3	.02	.008	16	29	.02	75	.01	2	.30	.01	.16	13
SN902-19P	4	21	100	14	3.6	8	2	85	1.22	54	5	7	5	26	.2	2	3	4	.03	.010	19	39	.02	49	.01	2	.43	.01	.18	18
SN902-23P	11	41	186	17	4.2	10	2	86	1.91	146	5	2	6	21	.4	8	4	5	.03	.012	13	34	.03	137	.01	2	.37	.01	.13	12
SN902-24P	4	24	53	11	1.6	7	1	76	1.58	89	5	ND	5	5	.2	2	2	3	.03	.008	12	29	.02	57	.01	2	.32	.01	.17	13
SN902-29P	11	66	412	26	22.4	9	2	108	2.01	179	6	35	6	10	.2	16	15	6	.04	.015	14	33	.03	64	.01	6	.33	.01	.13	13
SN902-34P	9	104	884	57	26.4	9	2	123	2.75	124	9	24	5	28	.2	5	24	9	.06	.027	15	34	.05	163	.01	4	.43	.01	.14	13
SN902-39P	5	113	741	54	22.6	5	2	98	2.56	101	5	25	6	17	.2	5	20	7	.07	.024	14	23	.05	96	.01	6	.39	.01	.16	7
SN902-45P	6	99	160	28	9.0	5	3	73	3.58	115	5	14	10	16	.3	2	13	4	.03	.017	13	29	.02	89	.01	2	.29	.01	.13	11
SN902-50P	4	26	240	10	12.9	6	1	38	1.60	61	5	11	3	26	.2	2	15	3	.04	.010	15	26	.02	77	.01	5	.27	.01	.16	10
SN902-56P	11	39	787	11	15.1	8	1	42	.85	67	5	10	1	25	.2	69	7	3	.03	.011	11	29	.01	984	.01	2	.24	.01	.10	13
SN902-57P	5	34	257	22	3.5	8	2	63	1.76	72	5	2	4	33	.2	8	5	6	.04	.016	16	38	.03	143	.01	2	.42	.01	.18	16
SN902-61P	6	53	1060	8	59.0	11	2	73	1.60	77	5	35	3	12	.3	30	23	3	.02	.007	11	50	.02	618	.01	3	.29	.01	.18	24
SN902-63P	3	16	151	5	1.9	5	1	44	.77	25	5	ND	2	9	.2	2	2	2	.02	.005	14	26	.01	298	.01	3	.26	.01	.16	12
SN902-68P	2	24	68	29	.4	7	1	64	1.07	8	5	ND	7	18	.2	2	2	4	.04	.015	20	24	.02	102	.01	2	.27	.01	.12	10
STANDARD C	18	57	36	132	7.1	67	30	1027	4.00	41	20	7	37	48	17.6	15	19	55	.51	.095	35	56	.91	173	.07	33	1.93	.06	.14	11

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Rock

DATE RECEIVED: JUL 3 1990 DATE REPORT MAILED: July 16/90 SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUL 3 1990
DATE REPORT MAILED: July 16/90

ASSAY CERTIFICATE

Cordilleran Engineering Ltd.

PROJECT ELK T90-5 FILE # 90-2239A

SAMPLE#	Au** oz/t
SN902-3P	.017
SN902-5	.005
SN902-8P	.047
SN902-10	.010
SN902-12	.001
SN902-15	.009
SN902-17	.004
SN902-20	.006
SN902-22P	.009
SN902-25	.003
SN902-28P	.396
SN902-30P	.010
SN902-33P	.168
SN902-35	.008
SN902-38P	.164
SN902-40	.004
SN902-44P	.016
SN902-46P	.001
SN902-49P	.184
SN902-51P	.004
SN902-55P	.007
SN902-58	.086
SN902-60P	.011
SN902-62P	.001
SN902-64P	.007
SN902-67	.001
SN902-73	.001
SN902-74P	.001
SN902-75P	.001
SN902-76	.001
STANDARD AU-1	.102

AU** BY FIRE ASSAY FROM TOTAL SAMPLE.
- SAMPLE TYPE: Rock

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SN902-4P	1000	.848	1.25	.884
SN902-9P	1000	.578	3.44	.678
SN902-13P	1050	.103	.36	.113
SN902-14P	1000	.458	1.31	.496
SN902-18P	1050	.105	.60	.122
SN902-19P	1200	.193	.63	.208
SN902-23P	1100	.044	.24	.050
SN902-24P	1160	.019	.05	.020
SN902-29P	1110	.586	4.61	.707
SN902-34P	1200	.817	2.93	.888
SN902-39P	1100	.655	3.81	.756
SN902-45P	1160	.477	1.93	.525
SN902-50P	850	.476	.85	.505
SN902-56P	1210	.351	1.69	.392
SN902-57P	1190	.071	.10	.073
SN902-61P	1240	1.338	1.98	1.385
SN902-63P	1130	.020	ND	.020
SN902-68P	1200	.002	ND	.002

-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Rock

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUL 3 1990
DATE REPORT MAILED: July 16/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd.

PROJECT ELK T90-5 FILE # 90-2239

SAMPLE#	AU* ppb
SN902-1	5
SN902-2	26
SN902-6	24
SN902-7	1
SN902-11	22
SN902-16	29
SN902-21	57
SN902-26	24
SN902-27P	2150
SN902-31	10
SN902-32	142
SN902-36	88
SN902-37	370
SN902-41	33
SN902-42	33
SN902-43P	7990
SN902-47	230
SN902-48	84
SN902-52	15
SN902-53	230
SN902-54P	86
SN902-59	84
SN902-65P	31
SN902-66	26
SN902-69P	38
SN902-70P	21
SN902-71P	25
SN902-72	22
SN902-77	18
STANDARD AU-R	540

AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.
- SAMPLE TYPE: Rock

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 2 1990

DATE REPORT MAILED: Aug. 13/90

AUG 13 90

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-7 FILE # 90-2367R

1980 - 1055 W. Hastings St., Vancouver BC

SAMPLE#	AU** oz/t
SN903-67P	.007

- SAMPLE TYPE: Rock Pulp AU** BY FIRE ASSAY FROM 1 A.T.

SIGNED BY C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUL 9 1990

DATE REPORT MAILED: July 17/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-7 FILE # 90-2367

1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	AU* ppb
SN903-4	36
SN903-5P	480
SN903-8	31
SN903-15	58
SN903-22	410
SN903-26	34
SN903-27	19
SN903-28	320
SN903-29	210
SN903-33	48
SN903-37	38
SN903-38	28
SN903-39	94
SN903-43	37
SN903-44	400
SN903-48	38
SN903-49	230
SN903-53	120
SN903-54P	750
SN903-58	170
SN903-59	103
SN903-62	109
SN903-63	440
SN903-66	290
SN903-67P	1500
STANDARD AU-R	510

- SAMPLE TYPE: Rock AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALY AL LABORATORIES LTD. 852 E. HASTINGS ST. VANC 'ER B.C. V6A 1R6

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-7 File # 90-2367A

1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Submitted by: PAUL CONROY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
SN903-2P	10	32	168	36	15.5	25	5	106	1.55	52	5	26	2	16	.3	17	11	11	.04	.012	9	283	.02	62	.01	4	.22	.01	.12	20
SN903-7P	7	74	272	36	21.1	21	6	144	2.40	100	5	16	4	12	.2	37	13	11	.04	.015	7	232	.02	177	.01	2	.25	.01	.13	17
SN903-10P	3	21	167	11	1.8	11	1	86	1.04	73	5	ND	3	12	.2	3	2	5	.03	.008	12	108	.02	81	.01	4	.26	.01	.15	16
SN903-11P	7	39	121	31	6.3	17	4	106	2.16	94	7	2	6	14	.2	4	2	8	.03	.019	12	182	.02	186	.01	5	.27	.01	.14	18
SN903-12P	5	58	131	16	3.1	14	3	83	2.04	298	5	ND	12	24	.2	4	2	10	.04	.025	16	136	.03	137	.01	6	.29	.01	.14	14
SN903-13P	9	38	286	8	11.9	22	4	73	1.46	151	5	16	9	13	.2	4	12	8	.02	.016	12	266	.01	85	.01	2	.18	.01	.09	22
SN903-14P	4	84	118	36	.7	9	3	66	3.26	142	5	ND	12	24	.2	2	2	7	.05	.042	17	85	.02	231	.01	5	.36	.01	.15	11
SN903-16P	3	15	251	4	13.3	12	3	72	1.13	80	5	43	4	9	.2	2	2	5	.01	.007	10	144	.01	182	.01	6	.24	.01	.17	16
SN903-17P	3	13	172	5	10.0	12	2	102	.93	69	5	3	2	13	.2	9	3	5	.02	.005	10	144	.01	96	.01	2	.23	.01	.16	16
SN903-18P	4	22	268	5	14.3	13	2	50	.98	56	5	5	3	25	.2	9	8	4	.02	.006	11	129	.01	459	.01	5	.22	.01	.14	16
SN903-20P	3	39	50	34	1.0	9	3	95	1.52	60	5	ND	10	14	.2	2	2	9	.09	.024	21	101	.04	148	.01	5	.30	.02	.11	12
SN903-24P	3	41	273	20	37.7	12	2	61	1.28	102	5	58	6	28	.2	3	7	8	.06	.016	17	79	.03	185	.01	3	.37	.01	.13	12
SN903-31P	3	44	47	38	1.2	10	2	58	1.34	83	5	ND	6	20	.2	2	2	6	.06	.012	25	78	.02	87	.01	6	.30	.01	.12	13
SN903-34P	3	102	157	46	2.0	12	3	101	2.05	121	5	ND	5	7	.2	2	2	5	.02	.012	9	123	.01	250	.01	8	.26	.01	.16	15
SN903-35P	6	62	710	23	35.7	12	3	68	1.96	149	5	30	2	11	.2	4	11	5	.03	.010	8	123	.01	531	.01	5	.20	.01	.12	17
SN903-41P	4	88	1028	13	37.2	19	4	108	2.68	317	5	85	2	17	.2	9	45	7	.03	.007	8	198	.02	109	.01	5	.21	.02	.17	19
SN903-46P	4	106	130	33	18.3	11	3	103	3.13	145	5	52	8	16	.2	2	17	9	.03	.020	12	113	.02	274	.01	3	.29	.01	.11	13
SN903-51P	5	31	35	29	8.9	9	2	461	2.58	85	5	10	6	8	.2	2	6	5	.02	.012	10	68	.01	51	.01	2	.27	.01	.15	13
SN903-56P	5	65	368	22	31.7	15	5	764	2.31	129	5	23	4	10	.2	3	9	4	.01	.008	8	116	.01	95	.01	2	.21	.01	.16	18
SN903-61P	3	96	3576	22	344.6	15	3	106	2.66	219	5	422	3	13	.2	11	94	6	.03	.014	7	162	.01	95	.01	5	.22	.01	.13	18
SN903-65P	3	43	539	15	33.3	13	2	56	1.51	81	5	24	3	22	.2	2	18	5	.05	.012	16	100	.02	67	.01	8	.27	.01	.14	15
SN903-69P	3	88	409	28	88.5	11	3	143	3.94	135	5	58	3	20	.2	10	23	4	.05	.014	13	79	.02	145	.01	5	.32	.02	.20	16
STANDARD C	18	58	42	132	7.1	70	31	1032	4.11	40	18	6	37	52	18.8	15	17	56	.53	.092	36	57	.92	180	.08	36	1.92	.06	.14	12

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Rock

DATE RECEIVED: JUL 9 1990 DATE REPORT MAILED: July 17/90 SIGNED BY C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUL 9 1990

DATE REPORT MAILED: July 17/90

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-7 FILE # 90-2367A

1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	Au** oz/t
SN903-1P	.001
SN903-3P	.012
SN903-6P	.050
SN903-9P	.006
SN903-19P	.019
SN903-21	.001
SN903-23P	.005
SN903-25P	.004
SN903-30	.004
SN903-32P	.039
SN903-36	.011
SN903-40	.091
SN903-42P	.026
SN903-45P	.028
SN903-47	.005
SN903-50P	.021
SN903-52	.007
SN903-55P	.056
SN903-57P	.023
SN903-60P	.083
SN903-64P	.035
SN903-68P	.031
SN903-70	.019
SN903-71P	.085
STANDARD AU-1	.099

AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Rock

SAMPLE#	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SN903-2P	1040	.883	3.31	.976
SN903-7P	1060	.560	.78	.582
SN903-10P	1000	.021	.05	.023
SN903-11P	990	.151	.44	.164
SN903-12P	1020	.030	.02	.031
SN903-13P	940	.979	12.51	1.367
SN903-14P	1160	.005	.04	.006
SN903-16P	1050	.105	.78	.127
SN903-17P	1100	.085	.77	.105
SN903-18P	1110	.225	.75	.245
SN903-20P	980	.013	.48	.027
SN903-24P	1050	1.206	36.63	2.223
SN903-31P	1130	.011	.08	.013
SN903-34P	1110	.008	.02	.009
SN903-35P	1040	.773	3.34	.867
SN903-41P	1050	2.337	4.73	2.468
SN903-46P	1050	1.012	2.67	1.086
SN903-51P	1140	.306	.58	.321
SN903-56P	1130	.361	.73	.380
SN903-61P	1190	11.166	32.08	11.952
SN903-65P	1080	.604	1.75	.651
SN903-69P	1120	1.140	2.33	1.201

-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Rock

SIGNED BY C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUL 16 1990
DATE REPORT MAILED: July 20/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-9 FILE # 90-2553 Page 1
1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	AU* ppb	SAMPLE lb
SN902-78	530	18
SN902-89	20	22
SN902-90	8	17
SN902-92	9	18
SN902-95	21	13
SN902-107	12	20
SN902-111	5	13
SN902-112	16	17
SN902-120P	15	47
SN902-121	2	20
SN902-122	4	19
SN902-124	14	20
SN902-128	3	21
SN902-130	9	22
SN902-131	4	19
SN902-132	1	28
SN902-134	9	19
SN902-135	4	20
SN902-136P	23	50
SN902-140	6	18
SN902-141	6	22
SN902-142	4	21
SN902-144	10	18
SN903-72	11	19
SN903-76	52	18
SN903-77	12	13
SN903-78	65	17
SN903-79	11	18
SN903-82	127	17
SN903-86	12	19
SN903-90	1	17
SN903-91	1	18
SN903-92	4	22
SN903-93	3	16
SN903-94	6	21
SN903-99	29	22
STANDARD AU-R	490	-

SAMPLE#	AU* ppb	SAMPLE lb
SN903-100	1	19
SN903-101	2	20
SND90-L SMP	2	5

- SAMPLE TYPE: Rock AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY..C.Leong, D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUL 16 1990
DATE REPORT MAILED: July 24/90

ASSAY CERTIFICATE

JUL 24 90

Cordilleran Engineering Ltd. PROJECT ELK T90-9 FILE # 90-2554 Page 1
1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	Au** oz/t	SAMPLE lb
SN902-79	.001	18
SN902-82	.001	19
SN902-83P	.010	44
SN902-85P	.058	43
SN902-86	.020	48
SN902-87P	.003	52
SN902-88P	.001	49
SN902-91P	.002	39
SN902-93	.001	13
SN902-104	.001	16
SN902-106	.001	22
SN902-108P	.001	38
SN902-110	.001	15
SN902-113P	.001	49
SN902-115	.001	17
SN902-116P	.001	49
SN902-117P	.001	48
SN902-119P	.002	36
SN902-123	.001	16
SN902-125P	.001	50
SN902-127P	.009	45
SN902-129P	.002	44
SN902-133P	.003	50
SN902-137P	.004	39
SN902-139P	.011	45
SN902-143P	.001	47
SN903-73P	.001	41
SN903-75P	.038	49
SN903-80	.002	18
SN903-83	.030	18
SN903-85	.002	16
SN903-87	.002	20
SN903-88P	.002	47
SN903-89	.002	15
SN903-95	.001	16
SN903-98	.001	23
STANDARD AU-1	.100	-

SAMPLE#	Au** oz/t	SAMPLE lb
SN903-102	.004	4
SN903-104	.001	16

AU** BY FIRE ASSAY FROM 1 A.T.
SAMPLE TYPE: Rock

SIGNED BY..C.Leong, D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALY AL LABORATORIES LTD. 852 E. HASTINGS ST. VAN VER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL/ASSAY CERTIFICATE

JUL 24 90

Cordilleran Engineering Ltd. PROJECT ELK T90-9 File # 90-2555

1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Submitted by: PAUL CONROY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SN902-80P	2	39	61	57	.6	5	1	184	1.47	39	5	ND	7	5	.2	2	2	3	.04	.016	13	23	.02	78	.01	6	.29	.01	.18	13	1200	.003	.02	.003
SN902-84P	32	101	471	113	19.7	9	9	3563	2.00	120	7	7	4	16	.6	48	11	7	.05	.013	13	33	.04	450	.01	8	.30	.01	.13	15	1400	.342	8.05	.510
SN902-94P	3	27	41	9	.3	13	2	56	.84	26	5	ND	7	17	.2	2	2	6	.03	.010	17	136	.02	178	.01	5	.32	.01	.16	8	1200	.001	ND	.001
SN902-105P	18	94	813	34	7.4	26	6	74	1.66	158	6	ND	4	26	.2	9	2	14	.04	.013	12	317	.03	326	.01	22	.28	.01	.13	9	1200	.102	.16	.106
SN902-109P	4	28	214	16	2.7	20	4	56	.68	26	5	ND	4	18	.2	3	2	8	.03	.010	15	225	.02	214	.01	16	.27	.01	.13	9	1350	.020	.21	.025
SN902-114P	4	26	121	15	1.1	17	3	61	.80	33	5	ND	4	11	.2	2	2	9	.03	.010	15	201	.02	92	.01	13	.26	.01	.13	10	1300	.008	.06	.009
SN902-118P	3	28	108	19	.9	15	3	63	.93	21	5	ND	7	13	.2	2	2	7	.04	.016	15	162	.03	134	.01	13	.29	.02	.16	10	1200	.005	ND	.005
SN902-126P	5	33	298	14	1.9	25	6	142	1.30	228	5	ND	4	46	.2	3	2	12	.04	.014	12	291	.03	330	.01	9	.31	.01	.14	13	1150	.014	.01	.014
SN902-138P	3	17	215	15	2.2	10	1	41	.67	97	5	2	5	51	.2	2	2	5	.03	.010	16	88	.02	92	.01	11	.31	.01	.14	8	1500	.026	.02	.026
SN903-74P	3	14	105	13	1.9	10	2	63	.74	37	5	ND	4	16	.2	5	2	5	.05	.013	16	89	.02	81	.01	12	.28	.01	.16	12	1250	.025	.02	.026
SN903-81P	4	20	202	12	2.4	10	1	48	.97	82	5	ND	3	21	.2	3	2	4	.02	.011	15	91	.02	77	.01	11	.27	.01	.17	12	1200	.012	ND	.012
SN903-84P	4	24	274	24	1.4	9	3	216	1.20	46	5	ND	9	28	.2	8	2	5	.06	.028	22	60	.03	253	.01	8	.35	.01	.15	10	1250	.019	.03	.020
SN903-96P	4	20	132	11	.9	10	2	54	1.09	67	5	ND	5	15	.2	4	2	6	.03	.014	14	102	.02	91	.01	8	.30	.01	.17	11	1150	.007	ND	.007
SN903-97P	3	10	58	11	.6	9	1	46	.99	34	5	ND	9	30	.2	2	2	4	.03	.013	14	82	.01	114	.01	9	.29	.01	.17	9	1250	.002	ND	.002
SN903-103P	4	33	141	22	8.8	12	3	170	2.24	83	5	ND	4	11	.4	5	4	8	.03	.018	11	120	.02	71	.01	5	.27	.01	.15	11	1450	.064	ND	.064
SN88-4 NZ	6	106	76	29	48.8	26	8	80	8.93	283	5	14	1	3	.5	3	5	11	.01	.022	2	309	.01	23	.01	9	.09	.01	.04	12	1200	.622	.64	.637
STANDARD C	18	57	36	135	7.3	71	31	1032	3.96	41	16	7	37	53	18.4	15	19	55	.48	.094	38	59	.88	179	.07	34	1.89	.06	.14	13	-	-	ND	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Rock

DATE RECEIVED: JUL 16 1990 **DATE REPORT MAILED:** July 24/90 **SIGNED BY.....** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUL 24 1990
DATE REPORT MAILED: Aug 3/90

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-10 FILE # 90-2808A
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: W. JAKUBOWSKI

SAMPLE#	Au** oz/t	SAMPLE lb
SN904-6	.001	15
SN904-8	.002	20
SN904-12	.001	13
SN904-14	.001	15
SN904-39	.001	14
SN904-41	.005	18
SN8913-63P	.007	50
SN8913-65P	.033	48
SN8913-66P	.029	46
SN8913-68P	.030	35
SN8913-69P	.018	38
SN8913-71P	.085	54
SN8913-72P	.081	51
SN8913-75P	.086	48
SN8913-76P	.045	37
SN8913-79P	.052	40
SN8913-80P	.132	38
SN8913-82P	.044	50
SN8913-83P	.005	14
SN8913-84P	.003	52
SN8913-86P	.010	44
SN8913-87P	.042	50
SN8913-89P	.005	51
SN8913-90P	.016	22
SN8913-91P	.002	42
SN8913-93P	.007	53
SN8913-94P	.017	70
SN8913-95P	.045	52
SN8913-97P	.011	50
SN8913-98P	.021	38
SN8913-100P	.004	47
SN8913-101P	.002	58
SN8913-102P	.010	48
SN8913-103P	.004	60
SN8913-104P	.016	53
SN8913-106P	.006	58
STANDARD AU-1	.097	-

SAMPLE#	Au** oz/t	SAMPLE lb
SN8913-107P	.013	54
SN8913-109P	.001	63
SN8913-110P	.016	42
SN8913-112P	.005	49

AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Rock

SIGNED BY C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUL 24 1990
DATE REPORT MAILED: Aug 3/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-10 FILE # 90-2808
1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: W. JAKUBOWSKI

SAMPLE#	AU* ppb	SAMPLE lb
SN902-96	13	12
SN902-97	460	18
SN902-98	6	17
SN902-100	9	13
SN902-101	3	12
SN902-102	6	11
SN902-103	19	12
SN903-105	5900	22
SN903-106	88	20
SN903-107	5300	10
SN903-108	19	13
SN904-1	102	14
SN904-2	22	12
SN904-3	26	16
SN904-4	7	15
SN904-5	33	17
SN904-9	7	12
SN904-10	4	15
SN904-11	10	12
SN904-15	35	13
SN904-16	13	17
SN904-17	240	20
SN904-18	24	13
SN904-19	8	12
SN904-20	49	18
SN904-21	19	15
SN904-22	10	13
SN904-23	31	17
SN904-24	11	16
SN904-25	11	17
SN904-26	10	10
SN904-27	115	7
SN904-28	1040	13
SN904-29	15	16
SN904-30	12	14
SN904-31	7	15
STANDARD AU-R	510	-

SAMPLE#	AU* ppb	SAMPLE lb
SN904-32	5	17
SN904-33	56	18
SN904-34	4	17
SN904-35	3	16
SN904-36	5	15
SN904-37	5	13
SN904-38	41	12
SN904-42	10	11
SN904-43	43	10
SN904-44	11	11
SN904-45	6	10
STANDARD AU-R	540	-

- SAMPLE TYPE: Rock AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALY AL LABORATORIES LTD. 852 E. HASTINGS ST. VAN ER B.C. V6A 1R6 PHONE(604)253-3158 FAX(60 253-1716

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-10 File # 90-2808A Page 3

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: W. JAKUBOWSKI

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SN883-1P	5	78	962	32	4.4	6	1	95	2.35	291	5	ND	9	16	.2	8	3	4	.04	.027	18	24	.02	118	.01	2	.32	.01	.17	11	1380	.015	.05	.016
SN883-2P	8	102	1802	16	49.7	9	1	80	1.97	213	5	35	5	18	.2	14	14	3	.02	.019	11	37	.02	68	.01	5	.22	.01	.12	19	1350	.509	6.00	.639
SN883-3P	3	64	624	22	1.9	8	1	87	1.87	72	5	3	11	26	.2	2	2	5	.04	.022	30	37	.03	151	.01	2	.39	.01	.14	15	1500	.025	.09	.027
SN896-38P	5	31	423	33	7.1	7	1	92	1.59	149	5	3	6	12	.2	3	2	3	.03	.009	14	32	.02	113	.01	3	.24	.01	.14	14	1600	.057	.49	.066
SN902-99P	2	82	67	28	.6	7	2	384	2.15	84	5	ND	10	9	.2	2	2	3	.04	.021	14	29	.02	172	.01	3	.26	.01	.18	13	1130	.004	ND	.004
SN904-7P	2	27	30	21	1.1	6	1	125	1.10	37	5	ND	11	10	.2	7	2	4	.08	.020	21	24	.03	79	.01	5	.28	.02	.14	10	1490	.010	.06	.011
SN904-13P	1	6	35	17	.1	6	1	92	.57	4	5	ND	13	14	.2	2	2	3	.06	.010	27	22	.02	44	.01	8	.27	.02	.12	10	1200	.001	ND	.001
SN904-40P	3	16	77	9	4.0	8	1	90	1.03	43	5	4	3	16	.2	11	2	5	.06	.010	14	32	.04	62	.01	2	.30	.01	.19	13	1460	.046	.50	.056
SN8912-47PD	6	155	38	32	16.1	8	2	200	4.82	120	5	2	2	9	.3	2	4	2	.03	.030	5	35	.01	185	.01	3	.21	.01	.15	15	1500	.095	.22	.099
SN8912-181P	5	225	48	58	3.3	5	1	58	3.46	43	5	2	6	19	.2	2	2	7	.04	.039	14	23	.02	133	.01	2	.42	.03	.30	10	1480	.024	ND	.024
SN8912-182P	2	17	52	1	29.6	9	1	70	.77	6	5	30	2	11	.2	2	4	1	.01	.003	6	35	.01	43	.01	3	.18	.01	.17	19	1550	.987	3.25	1.048
SN8912-183P	4	47	119	24	3.0	7	2	96	3.35	49	5	2	5	27	.2	2	4	5	.04	.022	12	31	.02	170	.01	3	.35	.05	.47	12	1200	.062	.07	.064
SN8913-64P	2	83	201	18	16.6	7	2	94	2.47	48	5	13	2	21	.2	2	4	10	.10	.019	9	26	.07	180	.01	2	.39	.05	.38	10	1200	.406	1.68	.447
SN8913-67P	7	74	244	17	60.4	8	2	84	4.18	137	5	62	2	44	.2	8	27	8	.07	.024	10	39	.05	110	.01	2	.26	.21	.29	13	1700	2.560	12.96	2.782
SN8913-70P	7	85	441	11	48.7	9	1	59	1.85	204	5	104	2	20	.2	53	27	6	.06	.016	7	14	.03	127	.01	3	.27	.05	.18	1	1000	2.321	48.24	3.727
SN8913-73P	7	101	3798	9	64.6	11	1	67	2.35	429	5	66	2	21	.2	52	97	4	.08	.019	9	48	.02	104	.01	2	.19	.03	.22	20	1500	2.092	2.06	2.132
SN8913-74P	4	50	772	8	83.3	9	1	71	.88	116	5	116	1	6	.2	11	17	4	.03	.006	5	35	.02	78	.01	2	.19	.01	.14	18	1850	3.163	14.62	3.393
SN8913-77P	6	100	1001	8	5.8	7	1	48	5.55	129	5	8	1	34	.2	7	12	13	.10	.020	11	23	.04	78	.01	2	.38	.20	.61	6	1100	.220	2.30	.281
SN8913-78P	12	202	6623	9	80.4	10	1	77	1.84	358	5	114	1	22	.2	77	50	4	.03	.031	6	41	.02	183	.01	2	.17	.05	.12	22	1250	3.525	16.85	3.918
SN8913-81P	6	51	941	18	128.7	8	1	72	1.41	191	5	99	1	12	.2	18	74	3	.05	.009	7	35	.02	187	.01	2	.22	.02	.15	19	1750	3.226	10.72	3.405
SN8913-85P	7	69	1429	61	14.8	9	1	99	2.34	330	5	11	4	7	.2	11	2	3	.02	.022	9	40	.01	106	.01	3	.25	.01	.15	18	1650	.391	1.37	.415
SN8913-88P	3	79	582	25	26.5	8	2	108	3.38	476	5	17	5	25	.2	7	11	6	.05	.019	18	33	.03	195	.01	4	.30	.03	.33	15	1750	.572	1.34	.594
SN8913-92P	4	136	439	70	5.2	7	2	158	3.32	184	8	5	8	8	.2	3	2	2	.03	.022	13	34	.01	145	.01	2	.28	.01	.15	14	1750	.171	.15	.174
SN8913-96P	7	182	1434	15	55.8	8	1	82	4.09	490	5	22	6	20	.2	25	8	4	.02	.021	12	33	.02	218	.01	2	.23	.01	.12	16	2050	.822	1.47	.843
SN8913-99P	4	128	999	246	6.4	8	3	170	4.10	110	55	10	18	38	.2	3	2	7	.05	.041	34	28	.03	236	.01	3	.39	.03	.17	12	1750	.184	1.75	.213
SN8913-105P	13	67	1057	17	63.6	9	2	101	4.27	486	5	81	2	13	.2	37	89	4	.02	.020	10	41	.01	342	.01	2	.23	.01	.10	18	1750	1.158	6.55	1.267
SN8913-108P	7	89	578	18	9.8	9	1	86	2.57	334	5	4	5	17	.2	7	2	4	.02	.011	11	34	.02	114	.01	2	.23	.01	.10	17	1650	.136	.34	.142
SN8913-111P	8	78	3007	33	3.4	10	3	122	2.37	1016	12	ND	11	12	.2	13	2	8	.03	.016	8	41	.05	349	.02	2	.35	.01	.09	14	1800	.045	.03	.046
STANDARD C	18	60	42	132	6.9	70	31	1053	3.85	39	19	6	36	53	18.5	18	21	57	.54	.092	38	58	.90	181	.09	34	1.93	.06	.14	13	-	-	ND	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Rock

DATE RECEIVED: JUL 24 1990 **DATE REPORT MAILED:** Aug 3/90 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ASSAY RECOMMENDED for Ag 730 ppm

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUL 30 1990

DATE REPORT MAILED: Aug. 8/90.

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-13 FILE # 90-3029

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: B. KNIGHT

SAMPLE#	AU* ppb	SAMPLE lb
SN898-201	430	18
SN898-202	109	24
SN898-203	2030	20
SN898-204P	310	85
SN898-205P	1240	50
SN898-206	210	15
SN898-210	26	21
SN898-211P	177	46
SN898-212	97	16
SN898-213P	4080	44
SN898-214P	118	42
SN898-215	63	18
SN898-216	34	17
SN898-217	34	15
SN898-221P	17	43
SN898-222	81	14
SN898-223P	470	45
SN8914-68	70	20
SN8914-81	165	19
STANDARD AU-R	550	-

- SAMPLE TYPE: Rock Au* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUL 30 1990

DATE REPORT MAILED: Aug. 8/90.

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-13 FILE # 90-3029A

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: B. KNIGHT

SAMPLE#	Au** oz/t	SAMPLE lb
SN898-207	.001	17
SN898-209	.001	18
SN898-218P	.003	46
SN898-220	.006	14
SN905-1	.001	18
SN905-3	.002	20
SN8914-69P	.183	44
SN8914-70P	.020	45
SN8914-77	.001	15
SN8914-80P	.004	52
STANDARD AU-1	.098	-

AU** BY FIRE ASSAY FROM 1 A.T.
SAMPLE TYPE: Rock

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-13 File # 90-3029A

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: B. KNIGHT

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t	SAMPLE lb
SN898-208P	2	13	39	14	.2	4	1	119	.86	22	6	ND	13	6	.2	6	2	4	.04	.019	19	17	.02	35	.01	3	.35	.01	.21	8	1200	.001	ND	.001	.001	40
SN898-219P	3	23	155	31	.7	6	1	110	1.26	43	8	ND	19	19	.3	9	2	6	.06	.034	19	20	.05	188	.01	5	.46	.01	.24	9	1270	.006	ND	.006	.006	52
SN905-2P	3	12	47	6	5.1	8	1	78	1.09	65	6	ND	3	4	.2	2	3	4	.03	.011	8	32	.02	26	.01	4	.32	.01	.19	16	1610	.052	.30	.057	.045	45
SN8914-78P	3	25	108	13	2.8	10	2	139	1.20	104	5	ND	4	18	.3	2	2	9	.05	.015	14	27	.05	95	.01	4	.48	.02	.19	12	1440	.053	.30	.059	.052	52
SN8914-79P	3	20	151	12	9.3	9	1	108	.91	81	5	6	4	13	.2	2	4	6	.04	.010	12	34	.04	56	.01	6	.39	.01	.18	15	1300	.241	1.43	.273	.254	54

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Rock

DATE RECEIVED: JUL 30 1990 DATE REPORT MAILED: Aug 8/90. SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUL 30 1990

DATE REPORT MAILED: Aug. 7/90.

GEOCHEMICAL ANALYSIS CERTIFICATE

AUG 05 8 0

Cordilleran Engineering Ltd. PROJECT ELK T90-14 FILE # 90-3031 Page 1

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: B. KNIGHT

SAMPLE#	AU* ppb
TSN905-1	16
TSN905-2	15
TSN905-3	12
TSN905-4	450
TSN905-5	33
TSN905-6	95
TSN905-7	42
TSN905-8	2390
TSN905-9	420
TSN905-10	80
TSN906-1	9
TSN906-2	18
TSN906-3	22
TSN906-4	32
TSN906-5	3190
TSN906-6	100
TSN906-7	26
TSN906-8	83
TSN906-9	220
TSN906-10	420
TSN908-1	63
TSN908-2	96
TSN908-3	32
TSN908-4	3350
TSN908-5	17
TSN908-6	15
TSN908-7	11
TSN908-8	16
TSN908-9	4
TSN908-10	7
TSN909-1	17
TSN909-2	9
TSN909-3	37
TSN909-4	26
TSN909-5	13
TSN909-6	35
STANDARD AU-S	55

SAMPLE#	AU* ppb
TSN909-7	1
TSN909-8	10
TSN909-9	4

- SAMPLE TYPE: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY. . . . . D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-X1 File # 90-3030A

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: B. KNIGHT

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t	SAMPLE lb
SN8912-185P	2	602	168	193	42.0	15	15	1714	5.93	90	5	ND	5	50	2.7	4	3	73	1.82	.218	29	17	.34	59	.05	4	1.27	.02	.28	1	1440	.070	ND	.070	55
SN8912-188P	6	245	69	50	64.8	13	8	449	8.23	209	5	6	3	86	.2	3	9	51	.45	.179	15	16	.15	61	.02	4	.81	.09	.31	2	1300	.210	ND	.210	54
SN8912-191P	9	165	40	38	7.6	7	2	306	3.85	91	6	ND	3	22	.2	2	2	4	.07	.023	12	21	.03	80	.01	5	.36	.02	.28	11	1320	.027	ND	.027	73
SN8912-192P	11	119	172	14	38.7	8	1	60	4.58	98	5	19	1	6	.2	2	4	2	.03	.012	5	19	.02	29	.01	3	.37	.01	.26	11	1650	.513	1.22	.535	50
SN8912-193P	7	107	30	24	2.7	5	2	135	2.02	45	5	ND	4	12	.2	2	4	3	.07	.026	10	15	.02	34	.01	4	.36	.03	.19	9	1600	.024	ND	.024	45
SN8912-196P	4	91	34	28	4.2	5	1	254	2.15	48	6	ND	4	21	.2	2	3	3	.06	.025	9	12	.02	54	.01	4	.28	.02	.20	7	1440	.047	.23	.052	53
SN8912-197P	3	82	24	20	18.3	5	1	99	1.90	87	5	7	4	18	.2	2	2	3	.05	.023	7	16	.02	56	.01	3	.31	.02	.24	9	1320	.243	.62	.257	44
SN8912-200P	3	138	8	43	.9	4	5	507	3.16	27	5	ND	4	18	.2	2	3	11	.12	.057	11	8	.11	89	.01	2	.62	.04	.22	6	1350	.008	ND	.008	46
SN8912-203P	4	108	44	25	4.4	7	2	180	3.24	97	6	2	3	16	.2	2	2	6	.06	.045	8	19	.03	118	.01	2	.43	.02	.27	10	1210	.048	.02	.048	37
SN8912-204P	4	86	18	31	2.9	5	3	406	2.78	107	5	ND	4	19	.2	2	2	4	.06	.045	11	16	.02	89	.01	2	.42	.01	.25	10	1320	.025	.01	.025	33
SN8912-209P	11	111	9	39	2.0	4	3	214	3.35	64	8	ND	6	16	.3	2	2	9	.14	.059	9	12	.06	189	.01	4	.53	.03	.25	6	1460	.023	ND	.023	78
SN8912-210P	10	71	40	47	10.8	6	4	558	2.70	35	5	13	7	10	.2	2	3	9	.17	.047	16	14	.06	114	.01	4	.60	.03	.27	6	1150	.187	1.00	.212	38
SN8912-212P	3	53	49	14	10.8	5	1	43	3.46	49	5	8	3	39	.2	2	5	5	.05	.031	11	13	.02	104	.01	3	.36	.08	.54	9	1380	.334	1.06	.356	44
SN8912-215P	3	74	166	23	49.6	11	1	47	2.08	36	5	87	3	35	.2	2	28	3	.03	.017	10	28	.02	189	.01	3	.36	.04	.31	15	980	2.722	4.78	2.864	47
SN8912-216P	4	194	20	86	3.9	6	3	176	3.17	29	7	2	6	23	.2	2	2	8	.05	.040	17	16	.05	165	.01	5	.56	.04	.35	8	1110	.044	.12	.047	45
STANDARD C	18	59	40	132	7.0	73	31	1054	3.96	41	15	7	37	52	18.9	15	19	55	.52	.099	37	61	.90	179	.07	39	1.88	.06	.14	11	-	-	ND	-	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Rock

DATE RECEIVED: JUL 30 1990 DATE REPORT MAILED: Aug 8/90. SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

✓ ASSAY RECOMMENDED

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-1716 FAX(604)253-3158

DATE RECEIVED: JUL 30 1990
DATE REPORT MAILED: Aug. 8/90.

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-X1 FILE # 90-3030
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: B. KNIGHT

SAMPLE#	AU* ppb	SAMPLE lb
SN8912-186P	21	52
SN8912-189P	240	48
SN8912-190P	3740	49
SN8912-194P	80	57
SN8912-195P	63	47
SN8912-198P	18	35
SN8912-201	13	15
SN8912-202	31	22
SN8912-206	6	12
SN8912-207	170	18
SN8912-213	87	20
SN8912-217	11	22
STANDARD AU-R	530	-

- SAMPLE TYPE: Rock AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-1716 FAX(604)253-3158

DATE RECEIVED: JUL 30 1990
DATE REPORT MAILED: Aug. 8/90.

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-X1 FILE # 90-3030A
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: B. KNIGHT

SAMPLE#	Au** oz/t	SAMPLE lb
SN8912-184P	.015	62
SN8912-187P	.003	46
SN8912-199P	.003	33
SN8912-205	.002	15
SN8912-208	.002	25
SN8912-211P	.012	40
SN8912-214P	.025	43
STANDARD AU-1	.021	-

AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Rock

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALY AL LABORATORIES LTD. 852 E. HASTINGS ST. VAN VER B.C. V6A 1R6

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-17 File # 90-3206

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: B. KNIGHT

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t	SAMPLE lb
SN906-6P	3	7	58	4	5.5	11	1	67	1.24	149	5	2	6	12	.2	2	4	2	.02	.008	10	43	.01	59	.01	4	.25	.01	.21	19	1250	.117	.24	.123	47
SN906-9P	3	28	57	50	.1	5	3	96	1.61	11	5	ND	11	32	.2	2	2	8	.10	.029	29	21	.05	74	.01	3	.48	.02	.12	8	1100	.001	ND	.001	46
SN908-7P	2	10	88	45	.1	6	2	176	.91	6	5	ND	10	25	.2	2	2	11	.15	.022	26	22	.09	108	.02	5	.48	.04	.11	9	1150	.016	ND	.016	44
SN8914-72P	5	15	232	13	2.8	10	2	59	2.13	136	5	ND	5	11	.2	22	2	4	.02	.014	13	38	.02	231	.01	2	.30	.01	.22	18	1150	.030	.19	.035	49
SN8914-73P	8	25	293	47	4.3	5	3	67	3.17	98	18	5	13	22	.2	9	3	4	.02	.042	19	17	.02	55	.01	3	.38	.01	.21	9	1200	.059	.46	.070	49

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Rock

DATE RECEIVED: AUG 7 1990 DATE REPORT MAILED: Aug 14/90 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 7 1990
DATE REPORT MAILED: Aug. 14/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-17 FILE # 90-3206
1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: B. KNIGHT

SAMPLE#	AU* SAMPLE ppb	lb
SN906-1	14	22
SN906-2P	49	48
SN906-3	8	23
SN906-4	8	24
SN907-1	84	20
SN907-2P	1520	51
SN907-3	85	21
SN907-4	190	25
SN907-5	166	20
SN907-6P	82	49
SN907-7	680	24
SN907-8	1720	26
SN907-9P	700	50
SN907-10	400	21
SN908-1	41	20
SN908-4	22	26
SN908-5	9	21
SN908-9	4	22
SN908-10	4	19
SN908-11	21	20
SN909-1	4	22
SN909-2P	1020	50
SN909-3	11	22
SN884-1	1	24
SN884-2	1	20
SN884-3	2	19
SN884-4	8	20
SN884-5	3	21
SN884-6	17	19
SN884-7	11	20
SN884-8	1	24
SN884-9	4	20
SN884-10	4	22
SN884-11	4	21
SN8914-76	44	27
STANDARD AU-R	490	-

- SAMPLE TYPE: Rock AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 7 1990
DATE REPORT MAILED: Aug. 14/90

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-17 FILE # 90-3206
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: B. KNIGHT

SAMPLE#	Au** SAMPLE oz/t	lb
SN906-5P	.005	50
SN906-7	.001	22
SN906-8	.001	22
SN906-10	.001	23
SN908-2P	.016	48
SN908-3P	.014	46
SN908-6	.001	20
SN908-8	.001	18
SN8914-71P	.451	49
SN8914-74P	.063	50
SN8914-75P	.022	51

AU** BY FIRE ASSAY FROM 1 A.T.
SAMPLE TYPE: Rock

SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANAL[illegible]AL LABORATORIES LTD. 852 E. HASTINGS ST. VAN[illegible]VER B.C. V6A 1R6

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-19 File # 90-3417

1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Submitted by: B. KNIGHT

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t	TOTAL lb
SN904-46P	3	41	16	1	2.3	4	1	87	2.41	28	5	ND	5	11	.2	2	2	4	.03	.022	12	26	.01	55	.01	3	.31	.01	.21	16	1400	.037	.12	.040	34
SN9010-2P	5	22	39	1	1.2	8	1	81	1.67	76	5	ND	8	4	.2	2	2	2	.01	.018	14	26	.01	45	.01	2	.30	.01	.18	18	1200	.004	ND	.004	36
SN9010-3P	3	27	35	12	.4	8	1	91	1.34	168	5	ND	11	4	.2	2	2	3	.01	.021	19	25	.02	42	.01	2	.36	.01	.19	17	1180	.004	ND	.004	55
SN9010-5P	3	31	56	12	.5	8	1	106	1.28	40	5	ND	11	7	.2	2	2	5	.03	.018	21	31	.03	36	.01	5	.41	.02	.16	20	1150	.005	ND	.005	65
SL891-104P	15	29	2812	79	15.6	7	1	76	2.40	87	5	3	7	12	.4	2	4	2	.03	.025	16	23	.01	58	.01	4	.28	.01	.24	17	1620	.067	.35	.073	55
SL891-110P	16	16	2471	80	39.7 ✓	7	1	92	1.65	106	5	20	4	14	.2	2	5	2	.03	.019	15	29	.02	36	.01	4	.32	.01	.18	16	1310	.446	1.27	.474	58
SL891-115P	13	73	335	176	30.5 ✓	15	5	641	3.31	101	10	19	10	25	.9	2	18	4	.07	.041	20	29	.04	87	.01	3	.49	.01	.15	16	1000	.568	2.09	.629	44
SL891-119P	13	80	3893 ✓	118	30.4 ✓	9	3	427	2.49	44	5	9	11	18	.5	2	5	4	.06	.022	13	31	.03	43	.01	2	.39	.01	.23	17	1220	.210	.21	.215	36
SL891-120P	17	424	10556 ✓	2193	108.5 ✓	11	2	198	5.31	153	14	36	11	12	48.8	2	24	7	.05	.039	12	21	.02	103	.01	2	.44	.02	.25	10	1270	.819	3.29	.895	32
STANDARD C	19	63	43	132	7.4	73	31	1055	3.97	37	17	8	37	53	18.3	16	19	56	.59	.095	39	59	.86	180	.07	39	1.88	.06	.13	11	-	-	ND	-	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Rock

DATE RECEIVED: AUG 13 1990 DATE REPORT MAILED: Aug 20/90 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

✓ ASSAY RECOMMENDED

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 13 1990
DATE REPORT MAILED: Aug. 20/90.

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-19 FILE # 90-3417
1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: B. KNIGHT

SAMPLE#	AU* ppb	SAMPLE lb
SN9010-7	69	16
SL891-101	154	20
SL891-102	690	24
SL891-106	210	20
SL891-107	2020	21
SL891-108	57	18
SL891-112	340	21
SL891-113	300	20
SL891-117	132	25
SL891-121	47	22
SL892-105	9	20
STANDARD AU-R	520	-

- SAMPLE TYPE: Rock AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 13 1990
DATE REPORT MAILED: Aug. 20/90.

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-19 FILE # 90-3417
1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: B. KNIGHT

SAMPLE#	Au** oz/t	SAMPLE lb
SN9010-1	.001	20
SN9010-4	.008	25
SN9010-6	.001	26
SN904-47	.002	20
SL891-103P	.001	57
SL891-105P	.001	43
SL891-109P	.008	60
SL891-111P	.004	57
SL891-114P	.007	42
SL891-116P	.025	50
SL891-118P	.002	49
SL892-104	.001	17
STANDARD AU-1	.096	-

AU** BY FIRE ASSAY FROM 1 A.T.
SAMPLE TYPE: Rock

SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 13 1990

DATE REPORT MAILED: Aug. 18/90

GEOCHEMICAL ANALYSIS CERTIFICATE

AUG 20 90

Cordilleran Engineering Ltd. PROJECT ELK T90-21 FILE # 90-3418

1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: B. KNIGHT

SAMPLE#	AU* ppb
TSL892-101	50
TSL892-102	44
TSL892-103	23
TSL892-104	14
TSL892-105	55
TSL892-106	22
TSL892-107	31
TSL892-108	76
TSL892-109	25
TSL892-110	21
TSL892-111	650
TSL892-112	95
TSN907-1	9
TSN907-2	230
TSN907-3	45
TSN907-4	160
TSN907-5	18
STANDARD AU-S	52

- SAMPLE TYPE: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALY 'L LABORATORIES LTD. 852 E. HASTINGS ST. VAN 'ER B.C. V6A 1R6

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-23 File # 90-3713

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: B. KNIGHT

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t	TOTAL lb
SL892-103P	7	17	377	31	4.4	14	2	108	1.11	87	7	ND	8	12	.5	3	2	7	.09	.014	16	36	.06	46	.01	4	.40	.03	.18	2	1050	.020	ND	.020	48.0
SL892-107	7	34	200	6	49.4	7	2	51	2.80	99	5	2	2	4	.2	3	28	3	.02	.006	9	18	.02	71	.01	4	.22	.01	.24	1	1100	.063	ND	.063	15.0
SL892-108	12	115	575	36	17.5	9	2	242	1.37	242	7	ND	8	19	.2	4	12	9	.04	.017	20	29	.04	96	.01	7	.45	.01	.25	1	950	.013	ND	.013	16.0
SL903-1A	12	32	25	8	.5	32	3	177	1.76	9	5	ND	1	6	.2	2	2	9	.04	.013	10	77	.21	14	.01	3	.33	.01	.04	1	650	.007	ND	.007	1.2
SL904-4P	8	19	99	116	.5	14	4	787	1.56	5	5	ND	12	7	3.8	2	3	6	.12	.020	26	31	.04	56	.01	5	.39	.04	.14	2	1000	.003	ND	.003	48.0
SL904-7P	2	10	216	127	.5	6	2	814	1.13	5	5	ND	12	6	4.1	2	2	6	.11	.023	23	24	.04	41	.01	4	.32	.02	.12	12	1350	.003	.02	.003	48.0
SL904-10P	5	95	2459	1022	7.1	19	8	1715	2.46	24	13	ND	12	7	16.7	2	2	6	.12	.023	24	30	.04	58	.01	6	.36	.02	.16	15	950	.115	.15	.120	39.0
STANDARD C	19	57	40	131	7.1	73	32	1050	3.95	40	21	7	37	53	18.6	16	21	55	.51	.096	38	57	.92	180	.07	35	1.90	.06	.14	11	-	-	ND	-	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: ROCK

DATE RECEIVED: AUG 20 1990 DATE REPORT MAILED: Aug 27/90. SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 20 1990
DATE REPORT MAILED: Aug. 27/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-23 FILE # 90-3713

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: B. KNIGHT

SAMPLE#	AU* ppb	SAMPLE lb
SL892-101	44	15
SL892-102	50	20
SL903-1	73	22
SL903-2	34	25
SL903-3	35	25
SL903-4	20	25
SL903-5	3	20
SL903-6	11	22
SL903-7	5	20
SL903-8	9	25
SL903-9	21	20
SL904-1	25	20
SL904-2	84	19
SL904-3	13	20
SL904-5	10	19
SL904-6	19	22
SL904-8	48	15
SL904-9	660	19
SL904-11	127	21
SL904-12	20	20
STANDARD AU-R	520	-

- SAMPLE TYPE: Rock AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 20 1990
DATE REPORT MAILED: Aug. 27/90.

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-23 FILE # 90-3713

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: B. KNIGHT

SAMPLE#	AU** oz/t	SAMPLE lb
SL892-106	1.748	15

- SAMPLE TYPE: Rock AU** BY FIRE ASSAY FROM 1 A.T.

SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 20 1990

DATE REPORT MAILED: Aug. 25/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-24 FILE # 90-3714

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: B. KNIGHT

SAMPLE#	AU* ppb
TSL891-21A	75
TSL903-1	76
TSL903-2	35
TSL903-3	32
TSL903-4	12
TSL903-5	13
TSL903-6	8
TSL903-7	28
TSL903-8	84
TSL903-9	210
TSL903-10	39
TSL903-11	35
TSL903-12	15
TSL904-1	53
TSL904-2	44
TSL904-3	65
TSL904-4	250
TSL904-5	620
TSL904-6	710
TSL904-7	70
TSL904-8	84
TSL904-9	98
TSL904-10	56
TSL904-11	145
TSL904-12	1230
TSL904-13	540
TSL904-14	250
TSL904-15	59
TSL904-16	510
GP901-S1	107
GP901-S2	5
GP902-S1	7
GP902-S2	9
GP903-S1	5
GP903-S2	10
GP904-S1	13
STANDARD AU-S	48

SAMPLE#	AU* ppb
GP904-S2	6
GP905-S1	70
GP905-S2	4
GP906-S1	19
GP906-S2	11
GP907-S1	76
GP907-S2	2
GP908-S1	19
GP908-S2	5

- SAMPLE TYPE: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 28 1990
DATE REPORT MAILED: Aug.31/90.
SEPT 04. 90

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-26 FILE # 90-3865 Page 1
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: B. KNIGHT

SAMPLE#	AU* ppb	SAMPLE lb
SL904-14	13	22
SL904-18	16	3
SL904-19P	65	42
SL904-20	96	21
SL904-21P	52	42
SL904-22	85	22

- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY. C. Leong. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANAL. :AL LABORATORIES LTD. 852 E. HASTINGS ST. VA' 'VER B.C. V6A 1R6

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-27 File # 90-3866

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: B. KNIGHT

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t	TOTAL lb
SL904-13P	9	41	591	418	1.9	17	6	1218	1.82	16	5	ND	14	10	7.7	2	9	6	.15	.026	32	26	.05	81	.01	8	.41	.03	.15	1	1200	.026	.05	.027	33
SL904-15P	11	112	899	331	14.6	14	4	679	1.98	446	10	4	12	6	6.0	2	9	5	.09	.021	22	35	.02	51	.01	7	.30	.02	.15	1	1100	.088	.09	.090	49
SL904-16P	12	223	1102	217	25.4	15	3	838	1.90	48	5	5	11	5	5.8	2	26	2	.08	.020	18	44	.02	85	.01	6	.34	.01	.22	1	1100	.209	1.89	.259	45
SL904-17P	10	109	441	381	4.6	15	4	977	1.43	31	5	ND	13	7	9.7	2	3	2	.10	.023	22	35	.03	87	.01	9	.34	.02	.17	1	1250	.016	.02	.016	40
SL904-23	14	185	2125	1078	64.6	23	2	96	2.29	1112	5	47	1	4	24.4	2	41	1	.01	.002	4	57	.01	67	.01	2	.05	.01	.04	1	950	.998	.22	1.005	2

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: SOIL

DATE RECEIVED: AUG 28 1990 **DATE REPORT MAILED:** Aug 31/90. **SIGNED BY**.....C. Leong.....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 28 1990

DATE REPORT MAILED: Aug 30/90.

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-27 FILE # 90-3866 3 0 00

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: B. KNIGHT

SAMPLE#	AU* ppb
TSL905-1	310
TSL905-2	79
TSL905-3	970
TSL905-4	101
TSL905-5	56
TSL905-6	33
TSL905-7	43
TSL905-8	69
TSL905-9	630
TSL905-10	440
TSL905-11	1130
TSL905-12	220
TSL905-13	176
TSL905-14	78
TSL905-15	250
TSL905-16	360
TSL905-17	330
TSL905-18	97
TSL905-19	171
TSL905-20	61
TSL905-21	78
TSL905-22	104
TSL905-23	70
TSL905-24	111
TSL905-25	82
TSL905-26	260
TSL905-27	33
TSL905-28	25
TSL905-29	1190
TSL905-30	104
TSL905-31	109
TSL905-32	310
TSL905-33	71
TSL905-34	118
TSL905-35	250
TSL905-36	5200
STANDARD AU-S	53

SAMPLE#	Au* ppb
TSL905-37	71
TSL905-38	138
TSL906-1	60
TSL906-2	194
TSL906-3	26
TSL906-4	69
TSL906-5	49
TSL906-6	84
TSL906-7	44
TSL906-8	8
TSL906-9	29
TSL906-10	119
TSL906-11	12
TSL906-12	8
TSL906-13	9
TSL906-14	16
TSL906-15	41
TSL906-16	71
TSL906-17	32
TSL906-18	46
TSL907-1	72
TSL907-2	55
TSL907-3	26
TSL907-4	46
TSL907-5	14
TSL907-6	38
TSL907-7	80
TSL907-8	620
TSL907-9	52
TSL907-10	60
STANDARD AU-S	46

- SAMPLE TYPE: SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY.....C. Leong.....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-31 File # 90-4336

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: B. KNIGHT

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE AVG. Au mg	oz/t	SAMPLE lb
SL905-1P	4	42	384	142	2.5	12	5	1429	2.06	29	5	ND	15	12	2.6	2	2	10	.18	.028	33	39	.06	83	.01	2	.42	.03	.10	16	1300	.019	.26	.025	32
SL905-6P	3	32	10	33	.4	8	3	734	1.64	4	5	ND	16	8	.3	2	2	10	.14	.026	30	26	.07	53	.01	3	.39	.04	.09	13	1500	.005	ND	.005	30
SL905-7P	2	79	8	25	1.7	9	3	755	1.56	4	5	2	15	9	.2	2	2	9	.14	.024	26	24	.07	60	.01	2	.39	.04	.12	14	1350	.013	.01	.013	33
SL905-10P	2	26	14	160	.4	11	3	924	1.73	2	5	ND	15	8	6.9	2	2	12	.16	.027	30	30	.08	55	.02	4	.34	.04	.07	12	1300	.012	.02	.012	34
SL905-11P	2	9	18	72	.3	15	4	682	2.17	8	5	ND	10	10	.8	2	2	10	.14	.027	23	38	.07	46	.01	4	.42	.03	.10	16	1300	.007	ND	.007	52
SL905-14P	11	56	574	290	12.6	12	4	637	2.58	1286	5	7	9	10	4.0	2	10	4	.07	.017	21	27	.02	48	.01	5	.32	.01	.13	14	1500	.267	.15	.270	36
SL905-16P	2	23	113	88	.4	13	4	1578	2.01	14	5	ND	11	13	1.1	2	2	10	.13	.021	27	30	.07	47	.01	5	.39	.03	.08	13	1500	.003	ND	.003	38
SL905-26P	22	56	1641	205	5.0	11	3	967	2.23	112	5	ND	11	7	2.5	2	2	10	.09	.023	21	41	.04	38	.01	5	.39	.04	.12	20	1500	.029	.04	.030	42
SL905-28P	7	20	182	86	1.1	15	4	495	2.92	114	5	ND	10	8	1.3	2	3	6	.08	.020	14	24	.04	46	.01	3	.38	.02	.16	2	1600	.003	ND	.003	37

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: ROCK

DATE RECEIVED: SEP 10 1990 DATE REPORT MAILED: Sept 21/90 SIGNED BY D. Toye ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-1716 FAX(604)253-3158

DATE RECEIVED: SEP 10 1990
DATE REPORT MAILED: Sept 21/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-31 FILE # 90-4336

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: B. KNIGHT

SAMPLE#	AU* ppb	SAMPLE lb
SL905-2	46	18
SL905-3	8	20
SL905-4	104	21
SL905-18	30	19
SL905-19	8	20
SL905-20	13	22
SL905-21	7	16
SL905-22	5	17
SL905-23	2	18
SL905-24	3	17
SL905-30	16	19
SL906-1	1	18
SL906-2	1	16
SL906-3	1	17
SL906-4	4	18
SL906-5	4	17
SL906-6	4	16
SL906-7	10	19
SL906-8	12	20
SL907-1	4	16
SL907-2	4	15
SL907-3	45	14
STANDARD AU-R	520	-

SAMPLE#	Au** oz/t	SAMPLE lb
SL905-5	.001	18
SL905-8	.001	17
SL905-9	.006	19
SL905-12	.001	18
SL905-13	.001	16
SL905-15	.001	20
SL905-17	.001	18
SL905-25	.001	22
SL905-27	.001	20
SL905-29	.002	21

- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY D. Toye D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: SEP 17 1990

DATE REPORT MAILED: Sept. 24/90

SEPT 21

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-33 FILE # 90-4518

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: B. KNIGHT

SAMPLE#	AU* ppb
TSC901-1	63
TSC901-2	66
TSC901-3	81
TSC901-4	35
TSC901-5	25
TSC901-6	23
TSC901-7	15
TSC901-8	73
TSC901-9	49
TSC901-10	32
TSC901-11	19
TSC901-12	7
TSC901-13	9
STANDARD AU-S	54

- SAMPLE TYPE: SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY..C. Leong.. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANAL CAL LABORATORIES LTD. 852 E. HASTINGS ST. VA VER B.C. V6A 1R6

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-34 File # 90-4517

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: B. KNIGHT

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t	SAMPLE lb
SIC0901-12P	2	7	212	138	.4	5	1	144	.67	5	5	ND	4	6	.2	2	2	3	.03	.009	10	5	.03	35	.01	3	.22	.02	.11	1	1000	.004	ND	.001	57

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: ROCK

DATE RECEIVED: SEP 17 1990 DATE REPORT MAILED: Sept 24/90 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: SEP 17 1990
DATE REPORT MAILED: Sept.24/90.

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-34 FILE # 90-4517
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: B. KNIGHT

SAMPLE#	AU* ppb	SAMPLE lb
SIC0901-1	5	22
SIC0901-2	17	19
SIC0901-3	1680	20
SIC0901-4	16	21
SIC0901-5	47	20
SIC0901-6	100	20
SIC0901-7	24	21
SIC0901-8	23	21
SIC0901-9	1	23
SIC0901-10	3	23
SIC0901-14	220	20
SIC0901-15	84	20
SIC0901-16	63	24
SIC0901-17	12	19
SIC0901-18	18	21
STANDARD AU-R	540	-

- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: SEP 17 1990
DATE REPORT MAILED: Sept.24/90

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-34 FILE # 90-4517
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: B. KNIGHT

SAMPLE#	AU** oz/t	SAMPLE lb
SIC0901-11	.003	20
SIC0901-13	.020	22

AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: ROCK

SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Cordilleran Engineering Ltd. PROJECT ELK T90-34 FILE # 90-4517

SAMPLE#	AU-100 oz/t	AU+100 oz/t	AVG. NATIVE Au mg	+100 SAMPLE plp.gm	SAMPLE wt. gm
SIC0901-12P	.004	.001	ND	11.09	1000

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: OCT 22 1990
DATE REPORT MAILED: Oct. 26/90

OCT 29 90

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-42 FILE # 90-5433
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: B. KNIGHT

SAMPLE#	Au** oz/t	SAMPLE lb
SL904-24	.012	21
SL904-26	.005	21

AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: ROCK

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-42 File # 90-5433
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: B. KNIGHT

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. lb	AU-100 oz/t	NATIVE Au mg	AVG. oz/t	TOTAL wt. gm
SL904-25P	10	28	93	101	.8	16	4	887	1.95	23	11	ND	12	16	.2	2	2	4	.14	.022	19	34	.04	70	.01	4	.37	.02	.15	1	44	.008	.09	.067	1050

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: ROCK

DATE RECEIVED: OCT 22 1990 DATE REPORT MAILED: Oct 26/90 SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ANALYTICAL RESULTS

S O I L S

Project Identification	Lab File No(s)
Elk S90-11	90-2836 (pages 1 to 5)
Elk S90-16	90-3070
Elk S90-29	90-4186

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUL 25 1990

DATE REPORT MAILED: July 31/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK S-90-11 FILE # 90-2836 Page 1

1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9

SAMPLE#	AU* ppb
350W 1200S	2
350W 1250S	4
350W 1700S	1
350W 1750S	1
350W 1800S	4
350W 1850S	1
350W 1900S	1
350W 2400S	2
350W 2450S	2
350W 2500S	4
350W 2550S	2
350W 2600S	1
310W 1700S	28
310W 1750S	26
310W 1800S	83
310W 1850S	7
310W 1900S	6
310W 2400S	4
310W 2450S	4
310W 2500S	2
310W 2550S	13
310W 2600S	2
300W 550S	7
300W 600S	6
300W 650S	3
300W 700S	4
300W 750S	1
300W 800S	5
300W 850S	2
300W 900S	4
300W 950S	2
300W 1000S	1
300W 1050S	8
300W 1100S	4
300W 1150S	2
300W 1200S	1
STANDARD AU-S	48

SAMPLE#	AU* ppb
450W 600S	2
450W 650S	3
450W 700S	5
450W 750S	6
450W 800S	6
450W 850S	6
450W 900S	3
450W 950S	5
450W 1000S	5
450W 1050S	6
450W 1100S	2
450W 1150S	5
450W 1200S	4
450W 1250S	2
450W 1700S	8
450W 1750S	3
450W 1800S	7
450W 1850S	1
450W 1900S	7
450W 2400S	7
450W 2450S	7
450W 2500S	3
450W 2550S	19
350W 550S	7
350W 600S	5
350W 650S	2
350W 700S	5
350W 750S	25
350W 800S	3
350W 850S	5
350W 900S	7
350W 950S	6
350W 1000S	4
350W 1050S	3
350W 1100S	1
350W 1150S	2
STANDARD AU-S	51

SAMPLE#	AU* ppb
950W 2750S	4
950W 2800S	4
950W 2850S	8
950W 2900S	1
950W 2950S	1
900W 2750S	1
900W 2800S	10
900W 2850S	1
900W 2900S	1
900W 2950S	1
500W 550S	2
500W 600S	1
500W 650S	1
500W 700S	4
500W 750S	11
500W 800S	1
500W 850S	1
500W 900S	1
500W 950S	1
500W 1000S	1
500W 1050S	11
500W 1100S	4
500W 1150S	1
500W 1200S	4
500W 1250S	1
500W 1700S	47
500W 1750S	2
500W 1800S	4
500W 1850S	5
500W 1900S	3
500W 2400S	3
500W 2450S	2
500W 2500S	4
500W 2550S	1
500W 2600S	2
450W 550S	1
STANDARD AU-S	50

SAMPLE#	AU* ppb
1950W 1500S	1
1900W 1300S	1
1900W 1350S	6
1900W 1400S	1
1900W 1450S	1
1900W 1500S	1
1300W 650S	1
1300W 700S	2
1300W 750S	1
1300W 800S	1
1300W 850S	1
1250W 650S	1
1250W 700S	4
1250W 750S	2
1250W 800S	3
1250W 850S	4
1150W 650S	1
1150W 700S	2
1150W 750S	2
1150W 800S	1
1150W 850S	11
1100W 650S	2
1100W 700S	6
1100W 750S	1
1100W 800S	2
1100W 850S	3
1100W 2750S	1
1100W 2800S	2
1100W 2850S	6
1100W 2900S	1
1100W 2950S	1
1050W 2750S	1
1050W 2800S	1
1050W 2850S	1
1050W 2900S	1
1050W 2950S	1
STANDARD AU-S	52

SAMPLE#	AU* ppb
2300W 1200S	7
2300W 1250S	3
2300W 1300S	1
2300W 1350S	3
2300W 1400S	1
2300W 1800S	1
2300W 1850S	1
2300W 1900S	2
2300W 1950S	2
2300W 2000S	1
2250W 1150S	1
2250W 1200S	2
2250W 1250S	1
2250W 1300S	1
2250W 1350S	2
2250W 1400S	1
2150W 1150S	1
2150W 1200S	1
2150W 1250S	9
2150W 1300S	4
2150W 1350S	3
2150W 1400S	4
2150W 1450S	5
2150W 1500S	1
2050W 1150S	1
2050W 1200S	2
2050W 1250S	1
2050W 1300S	1
2050W 1350S	2
2050W 1400S	1
2050W 1450S	3
2050W 1500S	4
1950W 1300S	1
1950W 1350S	3
1950W 1400S	1
1950W 1450S	1
STANDARD AU-S	46

SAMPLE#	AU* ppb
4700W 1100S	3
4700W 1150S	4
4700W 1200S	4
4700W 1250S	2
4700W 1300S	2
4650W 1100S	1
4650W 1150S	5
4650W 1200S	1
4650W 1250S	1
4650W 1300S	4
4550W 1100S	4
4550W 1150S	5
4550W 1200S	2
4550W 1250S	1
4550W 1300S	1
4500W 1100S	1
4500W 1150S	1
4500W 1200S	1
4500W 1250S	1
4500W 1300S	3
2500W 1800S	2
2500W 1850S	2
2500W 1900S	1
2500W 1950S	2
2500W 2000S	2
2450W 1800S	1
2450W 1850S	2
2450W 1900S	1
2450W 1950S	2
2450W 2000S	3
2350W 1800S	5
2350W 1850S	1
2350W 1900S	1
2350W 1950S	1
2350W 2000S	1
2300W 1150S	1
STANDARD AU-S	53

- SAMPLE TYPE: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	AU* ppb
300W 1250S	5
300W 1450S	2
300W 1500S	12
300W 1550S	38
300W 1600S	1
300W 1650S	1
300W 1700S	4
300W 1750S	2
300W 1800S	1
300W 1850S	13
300W 2200S	6
300W 2250S	59
300W 2300S	3
300W 2350S	1
300W 2400S	3
250W 550S	1
250W 700S	2
250W 750S	2
250W 800S	3
250W 850S	97
250W 900S	8
250W 950S	1
250W 1450S	1
250W 1500S	1
250W 1550S	1
250W 1600S	1
250W 1650S	1
250W 1700S	1
250W 1750S	1
250W 1800S	210
250W 1850S	680
150W 550S	4
150W 600S	2
150W 650S	12
150W 700S	5
150W 750S	6
STANDARD AU-S	45

SAMPLE#	AU* ppb
150W 800S	8
150W 850S	3
150W 900S	1
150W 950S	6
150W 1450S	11
150W 1500S	8
150W 1550S	5
150W 1600S	3
150W 1650S	5
150W 1700S	5
150W 1750S	7
150W 1800S	1
150W 1850S	8
150W 2200S	2
150W 2250S	4
150W 2300S	1
150W 2350S	1
150W 2400S	3
100W 1300S	3
100W 1350S	1
100W 1400S	1
100W 1450S	7
100W 1500S	1
100W 1550S	1
100W 1600S	7
100W 1650S	4
100W 1700S	1
100W 1750S	2
100W 1800S	12
100W 1850S	1
100W 2200S	2
100W 2250S	4
100W 2300S	2
100W 2350S	1
100W 2400S	2
050W 1250S	1
STANDARD AU-S	52

SAMPLE#	AU* ppb
050W 1300S	1
050W 1350S	1
050W 1400S	6
050W 1450S	3
050W 1500S	280
050W 1550S	410
050W 1600S	8
050W 1650S	4
050W 1700S	7
050W 1750S	14
050W 1800S	3
050W 1850S	8
050E 1250S	1
050E 1300S	1
050E 1350S	15
050E 1400S	1
050E 1450S	1
050E 1500S	1
050E 1550S	1
050E 1600S	3
050E 1650S	1
050E 1700S	13
050E 1750S	1
050E 1800S	2
050E 1850S	4
100E 550S	2
100E 600S	36
100E 650S	1
100E 700S	1
100E 750S	1
100E 1250S	16
100E 1300S	6
100E 1350S	40
100E 1400S	1
100E 1450S	1
100E 1500S	1
STANDARD AU-S	54

SAMPLE#	AU* ppb
100E 1550S	19
100E 1600S	6
100E 1650S	11
100E 1700S	3
100E 1750S	2
100E 1800S	1
100E 1850S	2
150E 550S	28
150E 600S	15
150E 650S	4
150E 700S	2
150E 750S	3
250E 550S	1
250E 600S	3
250E 650S	2
250E 700S	1
250E 750S	1
250E 1350S	3
250E 1400S	1
250E 1450S	4
250E 1500S	2
250E 1550S	1
250E 1600S	2
250E 1650S	1
250E 1700S	4
250E 1750S	1
300E 550S	4
300E 600S	4
300E 650S	3
300E 700S	1
300E 750S	1
300E 1300S	1
300E 1350S	2
300E 1400S	1
300E 1450S	9
300E 1500S	5
300E 1550S	2
STANDARD AU-S	52

SAMPLE#	AU* ppb
350E 1300S	8
350E 1350S	12
350E 1400S	4
350E 1450S	8
350E 1500S	6
350E 1550S	1
450E 1300S	1
450E 1350S	613
450E 1400S	15
450E 1450S	19
450E 1550S	9
500E 1300S	7
500E 1350S	9
500E 1400S	13
500E 1450S	15
500E 1500S	8
500E 1550S	5
500E 2700S	4
500E 2750S	4
500E 2800S	12
500E 2850S	12
550E 1100S	4
550E 1150S	7
550E 1200S	410
550E 1250S	14
550E 1300S	1
550E 1350S	4
550E 1400S	11
550E 2350S	4
550E 2400S	4
550E 2450S	21
550E 2500S	3
550E 2550S	4
550E 2700S	9
550E 2750S	13
550E 2800S	1
STANDARD AU-S	51

SAMPLE#	AU* ppb
550E 2850S	3
550E 2900S	2
650E 1100S	1
650E 1150S	3
650E 1200S	1
650E 1250S	1
650E 1300S	9
650E 1350S	1
650E 1400S	2
650E 2350S	1
650E 2400S	1
650E 2450S	2
650E 2500S	1
650E 2550S	6
650E 2700S	1
650E 2750S	3
650E 2800S	1
650E 2850S	2
650E 2900S	9
700E 650S	3
700E 700S	1
700E 750S	1
700E 800S	1
700E 850S	6
700E 1100S	3
700E 1150S	1
700E 1200S	1
700E 1250S	1
700E 1300S	3
700E 1350S	1
700E 1400S	1
700E 1550S	1
700E 1600S	1
700E 1650S	1
700E 1700S	2
700E 1750S	1
STANDARD AU-S	53

SAMPLE#	AU* ppb
700E 1800S	4
700E 1850S	4
700E 2350S	1
700E 2400S	3
700E 2450S	1
700E 2500S	16
700E 2550S	3
700E 2700S	5
700E 2750S	1
700E 2800S	1
700E 2850S	2
700E 2900S	6
750E 650S	3
750E 700S	1
750E 750S	1
750E 800S	1
750E 850S	2
750E 1550S	63
750E 1600S	35
750E 1650S	84
750E 1700S	4
750E 1750S	12
750E 1800S	8
750E 1850S	5
850E 650S	1
850E 750S	1
850E 800S	1
850E 850S	1
850E 1550S	2
850E 1600S	13
850E 1650S	7
850E 1700S	2
850E 1750S	3
850E 1800S	1
850E 1850S	3
850E 2100S	2
STANDARD AU-S	53

SAMPLE#	AU* ppb
850E 2150S	2
850E 2200S	4
850E 2250S	2
850E 2300S	5
850E 2350S	2
850E 2400S	2
850E 2450S	8
850E 2500S	28
850E 2550S	60
850E 2600S	6
850E 2650S	50
850E 2700S	11
850E 2750S	13
850E 2800S	160
850E 2850S	8
900E 650S	24
900E 700S	4
900E 750S	2
900E 800S	1
900E 850S	1
900E 1550S	1
900E 1600S	3
900E 1650S	22
900E 1700S	2
900E 1750S	7
900E 1800S	5
900E 1850S	2
950E 2050S	4
950E 2100S	3
950E 2150S	6
950E 2200S	20
950E 2250S	6
950E 2300S	7
950E 2350S	5
950E 2400S	3
950E 2450S	4
STANDARD AU-S	46

SAMPLE#	AU* ppb
950E 2500S	2
950E 2550S	5
950E 2600S	1
950E 2650S	1
950E 2700S	3
950E 2750S	1
950E 2800S	13
950E 2850S	7
975E 2550S	2
975E 2600S	1
975E 2650S	4
975E 2700S	8
975E 2750S	15
975E 2800S	7
975E 2850S	1
1050E 2550S	7
1050E 2600S	99
1050E 2650S	2
1050E 2700S	4
1050E 2750S	2
1050E 2800S	3
1050E 2850S	3
1100E 700S	20
1100E 750S	1
1100E 800S	1
1100E 850S	3
1100E 900S	3
1150E 700S	5
1150E 750S	2
1150E 800S	1
1150E 850S	5
1150E 900S	8
1150E 1600S	3
1150E 1650S	4
1150E 1700S	4
1150E 1800S	2
1150E 1850S	1
STANDARD AU-S	51

SAMPLE#	AU* ppb
1250E 1600S	7
1250E 1650S	1
1250E 1700S	3
1250E 1750S	3
1250E 1800S	1
1250E 1850S	5
1300E 1600S	23
1300E 1650S	2
1300E 1700S	2
1300E 1750S	10
1300E 1800S	3
1300E 1850S	7
1300E 2650S	1
1300E 2700S	3
1300E 2750S	3
1300E 2800S	1
1300E 2850S	3
1350E 2650S	1
1350E 2700S	4
1350E 2750S	20
1350E 2800S	7
1350E 2850S	1
1450E 2650S	9
1450E 2700S	1
1450E 2750S	1
1450E 2800S	2
1450E 2850S	3
1500E 2650S	1
1500E 2700S	3
1500E 2750S	15
1500E 2800S	3
1500E 2850S	2
1950E 2750S	3
1950E 2800S	6
1950E 2850S	2
1950E 2900S	3
1950E 2950S	3
STANDARD AU-S	52

SAMPLE#	AU* ppb
2050E 2750S	2
2050E 2800S	6
2050E 2850S	2
2050E 2900S	2
2050E 2950S	6
2150E 1550S	3
2150E 1600S	15
2150E 1650S	5
2150E 1700S	1
2150E 1750S	2
2150E 1800S	4
2150E 1850S	1
2150E 1900S	1
2150E 1950S	25
2150E 2000S	2
2150E 2400S	2
2150E 2450S	18
2150E 2500S	7
2150E 2550S	1
2150E 2600S	260
2150E 2750S	5
2150E 2800S	10
2150E 2850S	6
2150E 2900S	3
2250E 2400S	8
2250E 2450S	5
2250E 2500S	5
2250E 2550S	1
2250E 2600S	1
2350E 2100S	9
2350E 2150S	1
2350E 2200S	77
2350E 2250S	44
2350E 2300S	1
2350E 2350S	36
2350E 2400S	3
STANDARD AU-S	46

SAMPLE#	AU* ppb
2350E 2450S	6
2350E 2500S	5
2450E 2100S	9
2450E 2150S	4
2450E 2200S	5
2450E 2250S	9
2450E 2300S	8
2450E 2350S	6
2450E 2400S	3
2450E 2450S	7
2450E 2500S	3
2550E 2800S	8
2550E 2850S	6
2550E 2900S	5
2550E 2950S	7
2550E 3000S	7
2550E 3050S	2
2650E 2700S	3
2650E 2750S	6
2650E 2800S	1
2650E 2850S	13
2650E 2900S	8
2650E 2950S	4
2650E 3000S	8
2650E 3050S	15
2700E 2750S	24
2700E 2800S	4
2700E 2850S	2
2700E 2900S	4
2700E 2950S	1
2700E 3000S	5
2700E 3050S	2
2700E 3100S	1
2700E 3150S	5
2750E 1600S	10
2750E 1650S	2
STANDARD AU-S	53

SAMPLE#	AU* ppb
2750E 1700S	8
2750E 1750S	1
2750E 1800S	5
2750E 1850S	19
2750E 1900S	15
2750E 1950S	9
2750E 2000S	7
2750E 2050S	10
2750E 2100S	4
2750E 2750S	4
2750E 2800S	10
2750E 2850S	107
2750E 2900S	13
2750E 2950S	1
2750E 3050S	1
2750E 3100S	6
2750E 3150S	1
2850E 1550S	7
2850E 1600S	4
2850E 1650S	3
2850E 1700S	1
2850E 1750S	1
2850E 1800S	4
2850E 1850S	1
2850E 1900S	1
2850E 1950S	1
2850E 2000S	5
2850E 2050S	1
2850E 2100S	1
2850E 2750S	1
2850E 2800S	3
2850E 2900S	3
2850E 2950S	1
2850E 3000S	3
2850E 3050S	8
2850E 3100S	18
2850E 3150S	3
STANDARD AU-S	48

SAMPLE#	AU* ppb
2900E 1550S	2
2900E 1600S	4
2900E 1650S	8
2900E 1700S	10
2900E 1750S	1
2900E 1800S	2
2900E 1850S	16
2900E 1900S	7
2900E 1950S	10
2900E 2000S	1
2900E 2050S	3
2900E 2100S	1
2900E 2150S	5
2900E 2200S	1
2900E 2250S	1
2900E 2300S	2
2900E 2350S	67
2900E 2750S	1
2900E 2800S	1
2900E 2850S	4
2900E 2900S	3
2900E 2950S	1
2900E 3000S	1
2900E 3100S	1
2900E 3150S	1
2950E 1550S	160
2950E 1600S	1
2950E 1650S	3
2950E 1700S	1
2950E 1750S	1
2950E 1800S	12
2950E 1850S	1
2950E 1900S	10
2950E 1950S	1
2950E 2050S	1
2950E 2100S	1
STANDARD AU-S	45

SAMPLE#	AU* ppb
2950E 2150S	6
2950E 2250S	4
2950E 2300S	6
2950E 2350S	6
2950E 2400S	6
2950E 2450S	6
3050E 1550S	22
3050E 1600S	5
3050E 1650S	4
3050E 1700S	9
3050E 1750S	6
3050E 1800S	1
3050E 1850S	3
3050E 1900S	2
3050E 1950S	1
3100E 1550S	1
3100E 1600S	3
3100E 1650S	1
3100E 1700S	1
3100E 1750S	1
3100E 1800S	4
3100E 1850S	1
3100E 1900S	1
3100E 1950S	3
3100E 2000S	13
3100E 2050S	13
3100E 2100S	4
3100E 2150S	5
3100E 2200S	4
3100E 2250S	2
3100E 2300S	5
3100E 2350S	7
3100E 2400S	2
3100E 2450S	290
3100E 2500S	11
3100E 2550S	3
3100E 2600S	2
STANDARD AU-S	47

SAMPLE#	AU* ppb
3100E 2650S	6
3100E 2700S	360
3100E 2750S	3
3100E 2800S	2
3100E 2850S	7
3150E 1550S	7
3150E 1600S	4
3150E 1650S	5
3150E 1700S	172
3150E 1750S	24
3150E 1800S	5
3150E 1850S	35
3150E 1900S	1
3150E 1950S	1
3150E 2000S	31
3150E 2050S	4
3150E 2100S	3
3150E 2150S	100
3150E 2200S	2
3150E 2250S	5
3150E 2300S	69
3150E 2350S	4
3150E 2400S	3
3150E 2450S	63
3150E 2500S	5
3150E 2600S	4
3150E 2650S	3
3150E 2700S	3
3150E 2750S	2
3150E 2800S	3
3150E 2850S	6
3250E 1550S	9
3250E 1600S	3
3250E 1650S	19
STANDARD AU-S	51

SAMPLE#	AU* ppb
3250E 1700S	7
3250E 1750S	2
3250E 1800S	5
3250E 1850S	7
3250E 1900S	7
3250E 1950S	3
3250E 2000S	2
3250E 2050S	4
3250E 2100S	110
3250E 2150S	6
3250E 2200S	5
3250E 2250S	4
3250E 2300S	1
3250E 2350S	4
3250E 2400S	2
3250E 2450S	4
3250E 2500S	3
3250E 2550S	5
3250E 2600S	3
3250E 2650S	3
3250E 2700S	7
3250E 2750S	10
3250E 2800S	2
3250E 2850S	4
3300E 1550S	14
3300E 1600S	7
3300E 1650S	3
3300E 1700S	7
3300E 1750S	3
3300E 1800S	5
3300E 1850S	3
3300E 1900S	3
3300E 1950S	4
3300E 2000S	2
3300E 2050S	1
3300E 2100S	4
STANDARD AU-S	48

SAMPLE#	AU* ppb
3300E 2150S	6
3300E 2200S	1
3300E 2250S	7
3300E 2300S	2
3300E 2350S	10
3300E 2400S	5
3300E 2450S	1
3300E 2500S	2
3300E 2550S	6
3300E 2600S	4
3300E 2650S	4
3300E 2700S	3
3300E 2750S	4
3300E 2800S	5
3300E 2850S	9
3350E 1900S	1
3350E 1950S	3
3350E 2000S	15
3350E 2050S	3
3350E 2100S	56
3350E 2150S	17
3350E 2200S	3
3350E 2250S	7
3350E 2300S	5
3350E 2350S	7
3350E 2400S	3
3350E 2450S	3
3350E 2500S	7
3350E 2550S	3
3350E 2600S	3
3350E 2650S	7
3350E 2700S	49
3350E 2750S	3
3350E 2800S	4
3450E 1200S	9
3450E 1250S	4
STANDARD AU-S	52

SAMPLE#	AU* ppb
3450E 1300S	98
3450E 1350S	15
3450E 1400S	1
3450E 1450S	5
3450E 1900S	3
3450E 1950S	1
3450E 2000S	4
3450E 2050S	13
3450E 2100S	7
3450E 2150S	7
3450E 2200S	7
3450E 2250S	3
3450E 2350S	9
3450E 2400S	9
3450E 2450S	98
3450E 2500S	6
3450E 2550S	10
3450E 2600S	6
3450E 2650S	4
3450E 2700S	9
3450E 2750S	7
3450E 2800S	8
3490E 1900S	5
3490E 1950S	4
3490E 2000S	4
3490E 2050S	21
3490E 2100S	4
3490E 2150S	3
3490E 2200S	56
3490E 2250S	5
3490E 2300S	79
3490E 2350S	5
3490E 2400S	7
3490E 2450S	6
3490E 2500S	6
STANDARD AU-S	55

SAMPLE#	AU* ppb
3490E 2550S	4
3490E 2600S	1
3490E 2650S	3
3490E 2700S	16
3490E 2750S	6
3490E 2800S	6
3490E 2850S	1
3500E 1200S	18
3500E 1250S	6
3500E 1300S	4
3500E 1350S	5
3500E 1400S	4
3500E 1450S	3
3500E 2100S	4
3500E 2150S	3
3500E 2200S	1
3500E 2250S	2
3500E 2300S	7
3500E 2350S	3
3500E 2400S	66
3500E 2450S	7
3500E 2500S	2
3500E 2550S	9
3500E 2600S	12
3500E 2650S	4
3500E 2700S	26
3500E 2750S	7
3500E 2800S	1
3500E 2850S	1
3500E 2900S	3
3500E 2950S	1
3550E 2100S	3
3550E 2150S	1
3550E 2200S	8
3550E 2250S	5
3550E 2300S	1
STANDARD AU-S	51

SAMPLE#	AU* ppb
3550E 2350S	3
3550E 2400S	1
3550E 2450S	3
3550E 2500S	3
3550E 2550S	6
3550E 2600S	6
3550E 2650S	1
3550E 2700S	3
3550E 2750S	3
3550E 2800S	3
3550E 2850S	7
3550E 2900S	7
3550E 2950S	3
3650E 2100S	5
3650E 2200S	1
3650E 2250S	3
3650E 2300S	1
3650E 2350S	3
3650E 2400S	10
3650E 2450S	14
3650E 2500S	430
3650E 2550S	12
3650E 2600S	4
3650E 2650S	4
3650E 2700S	3
3650E 2750S	2
3650E 2800S	1
3650E 2850S	6
3650E 2900S	3
3650E 2950S	3
3700E 2200S	26
3700E 2250S	9
3700E 2300S	3
3700E 2350S	4
3700E 2400S	4
3700E 2450S	2
STANDARD AU-S	46

SAMPLE#	AU* ppb
3700E 2500S	15
3700E 2550S	5
3700E 2600S	33
3700E 2650S	6
3700E 2700S	24
3700E 2750S	10
3700E 2800S	8
3700E 2850S	3
3700E 2900S	88
3700E 2950S	5
3750E 2200S	4
3750E 2250S	6
3750E 2300S	27
3750E 2350S	5
3750E 2400S	3
3750E 2450S	4
3750E 2500S	12
3750E 2550S	4
3750E 2600S	7
3750E 2650S	12
3750E 2700S	8
3750E 2750S	25
3750E 2800S	37
3750E 2850S	3
3750E 2900S	8
3750E 2950S	4
3850E 2400S	11
3850E 2450S	13
3850E 2500S	7
3850E 2550S	3
3850E 2600S	2
3850E 2650S	15
3850E 2700S	64
3850E 2750S	4
3850E 2800S	15
3850E 2850S	35
STANDARD AU-S	52

SAMPLE#	AU* ppb
3850E 2900S	3
3850E 2950S	1
3900E 2400S	5
3900E 2450S	480
3900E 2500S	5
3900E 2550S	5
3900E 2600S	3
3900E 2650S	4
3900E 2700S	23
3900E 2750S	17
3900E 2800S	3
3900E 2850S	3
3900E 2900S	3
3900E 2950S	2
250W 2200S	3
250W 2250S	2
250W 2300S	1
250W 2350S	2
250W 2400S	1
STANDARD AU-S	53

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1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9

SAMPLE#	AU* ppb
200E 3250S	13
200E 3300S	6
200E 3350S	8
200E 3400S	5
200E 3450S	4
200E 3500S	1
200E 3550S	7
200E 3600S	7
200E 3650S	2
200E 3700S	18
200E 3750S	3
200E 3800S	21
400E 3250S	6
400E 3300S	43
400E 3350S	3
400E 3400S	5
400E 3450S	62
400E 3500S	16
400E 3550S	1
400E 3600S	3
400E 3650S	2
400E 3700S	5
400E 3750S	1
400E 3800S	4
600E 3250S	9
600E 3300S	4
600E 3350S	9
600E 3400S	2
600E 3450S	1
600E 3500S	12
600E 3550S	9
600E 3600S	2
600E 3650S	4
600E 3700S	8
600E 3750S	9
600E 3800S A	2
STANDARD AU-S	50

SAMPLE#	AU* ppb
800E 3250S	5
800E 3300S	24
800E 3350S	8
800E 3400S	4
800E 3450S	96
800E 3500S	4
800E 3550S	14
800E 3600S	2
800E 3650S	1
800E 3700S	6
800E 3750S	3
800E 3800S	8
1000E 3250S	39
1000E 3300S	14
1000E 3350S	12
1000E 3400S	15
1000E 3450S	12
1000E 3500S	8
1000E 3550S	1
1000E 3600S	4
1000E 3650S	4
1000E 3700S	3
1000E 3750S	1
1000E 3800S	4
1200E 3250S	1
1200E 3300S	3
1200E 3350S	7
1200E 3400S	4
1200E 3450S	3
1200E 3500S	2
1200E 3550S	12
1200E 3600S	3
1200E 3650S	1
1200E 3700S	10
1200E 3750S	3
1200E 3800S	2
STANDARD AU-S	51

SAMPLE#	AU* ppb
1400E 3250S	9
1400E 3300S	8
1400E 3350S	1
1400E 3400S	5
1400E 3450S	3
1400E 3500S	10
1400E 3550S	4
1400E 3600S	2
1400E 3650S	3
1400E 3700S	1
1400E 3750S	3
1400E 3800S	4
1600E 3250S	1
1600E 3300S	2
1600E 3350S	1
1600E 3400S	1
1600E 3450S	4
1600E 3500S	3
1600E 3550S	1
1600E 3600S	1
1600E 3650S	4
1600E 3700S	1
1600E 3750S	1
1600E 3800S	1
1800E 3250S	5
1800E 3300S	7
1800E 3350S	1
1800E 3400S	5
1800E 3450S	5
1800E 3500S	1
1800E 3550S	2
1800E 3600S	1
1800E 3650S	2
1800E 3700S	4
1800E 3750S	3
1800E 3800S	1
STANDARD AU-S	54

SAMPLE#	AU* ppb
2000E 3250S	1
2000E 3300S	2
2000E 3350S	2
2000E 3400S	6
2000E 3450S	5
2000E 3500S	15
2000E 3550S	3
2000E 3600S	2
2000E 3650S	1
2000E 3700S	34
2000E 3750S	1
2000E 3800S	8
2200E 3250S	1
2200E 3300S	1
2200E 3350S	1
2200E 3400S	6
2200E 3450S	4
2200E 3500S	6
2200E 3550S	5
2200E 3600S	6
2200E 3650S	1
2200E 3700S	5
2200E 3750S	79
2200E 3800S	3
2400E 3250S	1
2400E 3300S	6
2400E 3350S	1
2400E 3400S	1
2400E 3450S	1
2400E 3500S	1
2400E 3550S	5
2400E 3600S	1
2400E 3650S	75
2400E 3700S	10
2400E 3750S	1
2400E 3800S	1
STANDARD AU-S	53

SAMPLE#	AU* ppb
600W 3250S	2
600W 3300S	18
600W 3350S	3
600W 3400S	3
600W 3450S	3
600W 3500S	7
600W 3550S	2
600W 3600S	3
600W 3650S	1
600W 3700S	1
600W 3750S	3
600W 3800S	1
400W 3250S	6
400W 3300S	3
400W 3350S	26
400W 3400S	1
400W 3450S	3
400W 3500S	2
400W 3550S	1
400W 3600S	2
400W 3650S	3
400W 3700S	1
400W 3750S	3
400W 3800S	2
200W 3250S	3
200W 3300S	1
200W 3350S	35
200W 3400S	1
200W 3450S	3
200W 3500S	4
200W 3550S	1
200W 3600S	4
200W 3650S	2
200W 3700S	1
200W 3750S	1
200W 3800S	1
STANDARD AU-S	54

SAMPLE#	AU* ppb
00E 3250S	6
00E 3300S	4
00E 3400S	1
00E 3450S	2
00E 3500S	1
00E 3550S	2
00E 3600S	2
00E 3650S	2
00E 3700S	1
00E 3750S	1
00E 3800S	3

- SAMPLE TYPE: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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Cordilleran Engineering Ltd. PROJECT ELK S90-29 FILE # 90-4186 Page 1
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9

SAMPLE#	AU* ppb
1450E 2700N	1
1450E 2675N	1
1450E 2650N	3
1450E 2625N	2
1450E 2600N	2
1450E 2575N	3
1450E 2550N	4
1450E 2525N	1
1450E 2500N	2
1450E 2475N	1
1450E 2450N	3
1450E 2425N	3
1450E 2400N	42
1450E 2375N	3
1450E 2350N	19
1450E 2325N	1
1450E 2300N	1
1500E 2700N	2
1500E 2675N	8
1500E 2650N	1
1500E 2625N	2
1500E 2600N	1
1500E 2575N	2
1500E 2550N	1
1500E 2525N	4
1500E 2500N	2
1500E 2475N	1
1500E 2450N	4
1500E 2425N	1
1500E 2400N	1
1500E 2375N	1
1500E 2350N	1
1500E 2325N	1
1500E 2300N	4
1550E 2700N	1
1550E 2675N	3
STANDARD AU-S	50

SAMPLE#	AU* ppb
1550E 2650N	1
1550E 2625N	1
1550E 2600N	5
1550E 2575N	1
1550E 2550N	1
1550E 2525N	2
1550E 2500N	2
1550E 2475N	10
1550E 2450N	1
1550E 2425N	4
1550E 2400N	1
1550E 2375N	2
1550E 2350N	54
1550E 2325N	7
1550E 2300N	3
1600E 2675N	3
1600E 2625N	4
1600E 2575N	27
1600E 2525N	2
1600E 2475N	5
1600E 2425N	3
1600E 2375N	1
1600E 2325N	3
1650E 2700N	2
1650E 2675N	6
1650E 2650N	9
1650E 2625N	3
1650E 2600N	5
1650E 2575N	2
1650E 2550N	4
1650E 2525N	1
1650E 2500N	1
1650E 2475N	1
1650E 2450N	20
1650E 2425N	3
1650E 2400N	4
STANDARD AU-S	46

SAMPLE#	AU* ppb
1650E 2375N	6
1650E 2350N	6
1650E 2325N	5
1650E 2300N	10
1700E 2700N	5
1700E 2675N	2
1700E 2650N	3
1700E 2625N	3
1700E 2600N	1
1700E 2575N	2
1700E 2550N	3
1700E 2525N	3
1700E 2500N	3
1700E 2475N	3
1700E 2450N	2
1700E 2425N	1
1700E 2400N	1
1700E 2375N	1
1700E 2350N	1
1700E 2325N	28
1700E 2300N	3
1750E 2700N	2
1750E 2675N	6
1750E 2650N	5
1750E 2625N	11
1750E 2600N	3
1750E 2575N	3
1750E 2550N	1
1750E 2525N	2
1750E 2500N	2
1750E 2475N	1
1750E 2450N	3
1750E 2425N	3
1750E 2400N	5
1750E 2375N	3
1750E 2350N	3
STANDARD AU-S	48

SAMPLE#	AU* ppb
1750E 2325N	3
1750E 2300N	7
1800E 2675N	8
1800E 2625N	2
1800E 2575N	1
1800E 2525N	4
1800E 2475N	5
1800E 2425N	1
1800E 2375N	3
1850E 2700N	1
1850E 2675N	4
1850E 2650N	1
1850E 2625N	4
1850E 2600N	2
1850E 2575N	12
1850E 2550N	4
1850E 2525N	5
1850E 2500N	1
1850E 2475N	2
1850E 2450N	4
1850E 2425N	1
1850E 2400N	2
1900E 2700N	1
1900E 2675N	2
1900E 2650N	1
1900E 2625N	91
1900E 2600N	1
1900E 2575N	1
1900E 2550N	7
1900E 2525N	2
1900E 2500N	5
1900E 2475N	3
1900E 2450N	2
1900E 2425N	1
1900E 2400N	6
2000E 2675N	1
2000E 2625N	13
STANDARD AU-S	45

SAMPLE#	AU* ppb
2000E 2575N	18
2000E 2525N	11
2000E 2475N	6
2000E 2425N	7
2050E 2700N	3
2050E 2675N	1
2050E 2650N	2
2050E 2625N	1
2050E 2600N	1
2050E 2575N	1
2050E 2550N	5
2050E 2525N	5
2050E 2500N	3
2050E 2475N	9
2050E 2450N	119
2050E 2425N	4
2050E 2400N	18
2100E 2700N	11
2100E 2675N	4
2100E 2650N	1
2100E 2625N	1
2100E 2600N	2
2100E 2575N	4
2100E 2550N	3
2100E 2525N	5
2100E 2500N	1
2100E 2475N	1
2100E 2450N	2
2100E 2425N	3
2100E 2400N	4
2150E 2700N	18
2150E 2675N	5
2150E 2650N	6
2150E 2625N	4
2150E 2600N	10
2150E 2575N	6
STANDARD AU-S	46

SAMPLE#	AU* ppb
2150E 2550N	38
2150E 2525N	7
2150E 2500N	22
2150E 2475N	4
2150E 2450N	10
2200E 2675N	440
2200E 2625N	17
2200E 2575N	7
2200E 2525N	6
2200E 2475N	5
2250E 2700N	33
2250E 2675N	7
2250E 2650N	12
2250E 2625N	2
2250E 2600N	11
2250E 2575N	87
2250E 2550N	540
2250E 2525N	7
2250E 2500N	27
2250E 2475N	2
2250E 2450N	46
2300E 2700N	4
2300E 2675N	2
2300E 2650N	2
2300E 2625N	3
2300E 2600N	76
2300E 2575N	1
2300E 2550N	15
2300E 2525N	5
2300E 2500N	3
2300E 2475N	1
2300E 2450N	7
2700E 2700N	8
2700E 2675N	2
2700E 2650N	79
2700E 2625N	5
STANDARD AU-S	48

SAMPLE#	AU* ppb
2700E 2600N	7
2700E 2575N	3
2700E 2550N	18
2700E 2525N	33
2700E 2500N	6
2700E 2475N	11
2700E 2425N	34
2700E 2400N	13
2750E 2700N	8
2750E 2675N	48
2750E 2650N	29
2750E 2625N	13
2750E 2600N	6
2750E 2575N	13
2750E 2550N	48
2750E 2525N	7
2750E 2500N	40
2750E 2475N	14
2750E 2450N	8
2750E 2425N	12
2750E 2400N	35
2800E 2675N	10
2800E 2625N	5
2800E 2575N	9
2800E 2525N	59
2800E 2475N	21
STANDARD AU-S	49

- SAMPLE TYPE: SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

APPENDIX "B"

L I S T O F R O C K S A M P L E R E S U L T S

D I A M O N D D R I L L I N G

SECTION 1940E

ES	SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	SUM AU*TW	SUM TW	AVG OZ/T	FEET AVG GM/T	METR
	SND9019-1	F3AV	21.20	21.70	.50	0	46 N	76	63 S	.46		7		.001		.001				.001						
	SND9019-2	P3AV	33.60	34.60	1.00	0	51 N	76	63 S	.90				.001		.001				.001						
	SND9019-3	P3AV	34.60	35.10	.50	0	51 N	76	63 S	.45				.001		.001				.001						
	SND9019-4	F4AV	35.10	36.10	1.00	0	51 N	76	63 S	.90				.001		.001				.001						
	SND9019-5	P2AV	36.10	36.88	.78	0	51 N	76	63 S	.70				.001		.001				.001						
	SND9019-6	AV	36.88	38.30	1.42	0	51 N	76	63 S	1.27				.001		.001				.001						
	SND9019-7	A4AV	38.30	38.73	.43	0	51 N	76	63 S	.39				.005		.005				.005	1	.002	.390			
	SND9019-8	QV	38.73	39.45	.72	0	51 N	76	63 S	.65							.036		.036	.036	1	.025	1.040			
00	SND9019-9	K4GR	39.45	40.65	1.20	0	51 N	76	63 S	1.08	.96			.001		.001				.001	2	.026	2.000	.013	6.56	.45 2.
	SND9019-10	K3GR	40.65	42.70	2.05	0	51 N	76	63 S	1.84				.001		.001				.001						
	SND9019-11	F5GR	42.70	43.20	.50	0	51 N	76	63 S	.45							.010		.010	.010						
	SND9019-12	X3GD	43.20	44.20	1.00	0	51 N	76	63 S	.90				.001		.001				.001						
	SND9020-1	X2VB	8.60	9.60	1.00	0	90 N	61	60 S	.50				.001		.001				.001						
	SND9020-2	X2VB	9.60	10.80	1.20	0	90 N	61	60 S	.60				.002		.002				.002						
	SND9020-3	X2VB	10.80	12.15	1.35	0	90 N	61	60 S	.68				.001		.001				.001						
	SND9020-4	X3AV	12.15	13.25	1.10	0	90 N	61	60 S	.55				.001		.001				.001						
	SND9020-5	P1PV	35.50	36.50	1.00	0	90 N	61	62 S	.47		2														
	SND9020-6	S4PV	36.50	37.00	.50	0	90 N	61	62 S	.23																
	SND9020-7	S2PV	37.00	38.00	1.00	0	90 N	61	62 S	.47		10														
	SND9020-8	K4GR	72.70	73.70	1.00	0	90 N	61	62 S	.47	.45	2									1		.450			
	SND9020-9	K4GR	73.70	74.70	1.00	0	90 N	61	62 S	.47				.001		.001				.001	1		.920			
	SND9020-10	F4GR	74.70	75.20	.50	0	90 N	61	62 S	.23							.909		.909	.909	1	.210	1.150			
	SND9020-11	QV	75.20	76.00	.80	0	90 N	61	62 S	.38							.619		.619	.619	1	.445	1.530			
00	SND9020-12	S3GR	76.00	77.00	1.00	0	90 N	61	62 S	.47				.001		.001				.001	2	.445	2.000	.223	6.56	7.65 2.
	SND9020-13	S2GR	77.00	78.00	1.00	0	90 N	61	62 S	.47		2														
	SND9069-1	S3GD	11.25	11.75	.50	357	65 N	52	60 S	.38		5														
	SND9069-2	F2GD	12.75	13.25	.50	357	65 N	52	60 S	.38		2														
	SND9069-3	FKGD	23.10	24.10	1.00	357	65 N	52	60 S	.75				.004		.004				.004						
	SND9069-4	GG	24.10	24.60	.50	357	65 N	52	60 S	.38							.001		.001	.001						
	SND9069-5	F1GD	24.60	25.60	1.00	357	65 N	52	60 S	.75				.001		.001				.001						
	SND9069-6	S4AV	68.20	69.00	.80	357	66 N	52	60 S	.60		8														
	SND9069-7	SKPV	72.50	73.00	.50	357	66 N	52	60 S	.37		8														
	SND9069-8	F3PV	83.80	84.30	.50	357	66 N	52	60 S	.37		8														
	SND9069-9	X3PV	90.30	91.30	1.00	357	66 N	52	60 S	.75				.001		.001				.001						
	SND9069-10	F3PV	91.30	91.95	.65	357	66 N	52	60 S	.48							.001		.001	.001						
	SND9069-11	P2PV	91.95	92.95	1.00	357	66 N	52	60 S	.75				.001		.001				.001						
	SND9069-12	F4PV	124.40	125.50	1.10	357	66.5 N	52	60 S	.82				.003		.003				.003	1	.002	.320			
	SND9069-13	QV	125.50	126.00	.50	357	66.5 N	52	60 S	.37							2.457		2.457	2.457	1	.912	1.190			
	SND9069-14	F4PV	126.00	126.75	.75	357	66.5 N	52	60 S	.56							.005		.005	.005	1	.914	1.750			
00	SND9069-15	K3GR	126.75	127.75	1.00	357	66.5 N	52	60 S	.74	.25			.001		.001				.001	2	.915	2.000	.457	6.56	15.67 2.
	SND9069-16	SKGR	138.35	138.85	.50	357	66.5 N	52	60 S	.37		3														

SECTION 1990(1990 VERSION) 2/18/91

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK MI CONV PPB	OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM	TO	SUM TW	AVG OZ/T FEET	AVG GM/T METRES	
SND894-5	P2AV	28.18	29.18	1.00	0	40.5 N	86	66 S	.96				.001		.001				.001						
SND894-6	S4GR	29.18	30.18	1.00	0	40.5 N	86	66 S	.96							.001		.001	.001						
SND894-7	P2AV	30.18	31.18	1.00	0	40.5 N	86	66 S	.96				.001		.001				.001						
SND894-1	S3AV	32.68	33.68	1.00	0	40.5 N	86	66 S	.96				.001		.001				.001						
SND894-2	X3AV	33.68	35.16	1.48	0	40.5 N	86	66 S	1.42	1.08			.027		.027	.047		.047	.047	1	1.080				
SND894-3	QV	35.16	36.12	.96	0	40.5 N	86	66 S	.92				.374		.374	.268		.268	.268	2	2.000	.149	6.56	5.11	2.00
SND894-4	P1PV	36.12	37.12	1.00	0	40.5 N	86	66 S	.96				.001		.001				.001						
SND895-1	QM	6.69	7.69	1.00	0	67 N	75	40 S	.95				.001		.001				.001						
SND895-2	F1QM	7.69	8.69	1.00	0	67 N	75	40 S	.95							.001		.001	.001						
SND895-3	F3QM	8.69	9.23	.54	0	67 N	75	40 S	.51							.001		.001	.001						
SND895-4	QM	9.23	10.07	.84	0	67 N	75	40 S	.80				.001		.001				.001						
SND895-5	F3QM	10.07	10.50	.43	0	67 N	75	40 S	.41							.024		.024	.024						
SND895-6	QM	10.50	11.50	1.00	0	67 N	75	40 S	.95				.001		.001				.001						
SND895-7	QM	21.23	21.98	.75	0	67 N	75	40 S	.71				.001		.001				.001						
SND895-8	S4QM	21.98	22.48	.50	0	67 N	75	40 S	.47							.002		.002	.002						
SND895-9	K2AP	22.48	23.23	.75	0	67 N	75	40 S	.71				.002		.002				.002						
SND895-10	AV	62.69	63.69	1.00	0	63.5 N	75	40 S	.96				.002		.002				.002						
SND895-11	F2AV	63.69	64.39	.70	0	63.5 N	75	40 S	.67							.005		.005	.005						
SND895-12	AV	64.39	65.39	1.00	0	63.5 N	75	40 S	.96				.001		.001				.001						
SND895-13	AV	72.71	73.71	1.00	0	63.5 N	75	40 S	.96				.005		.005				.005						
SND895-14	F2AV	73.71	74.63	.92	0	63.5 N	75	40 S	.89							.001		.001	.001						
SND895-15	AV	74.63	75.63	1.00	0	63.5 N	75	40 S	.96				.001		.001				.001						
SND9068-1	K4GD	28.80	29.30	.50	1.25	65 N	87	66 S	.38		12														
SND9068-2	S3GD	30.00	30.50	.50	1.25	65 N	87	66 S	.38		10														
SND9068-3	P1GD	34.90	35.90	1.00	1.25	65 N	87	66 S	.75				.001		.001				.001	1	.750				
SND9068-4	F3GR	35.90	36.40	.50	1.25	65 N	87	66 S	.38							.123		.123	.123	1	1.130	.024	6.56	.82	2.00
SND9068-5	GR	36.40	37.40	1.00	1.25	65 N	87	66 S	.75				.001		.001				.001	2	1.880	.026	6.17	.89	1.88
SND9068-6	S5GR	52.30	53.10	.80	1.25	64.5 N	87	66 S	.61		2														
SND9068-7	F2AV	90.50	91.00	.50	1.25	64.5 N	87	66 S	.38		3														
SND9068-8	AV	94.80	95.80	1.00	1.25	64.5 N	87	66 S	.76				.001		.001				.001						
SND9068-9	S5AV	95.80	96.65	.85	1.25	64.5 N	87	66 S	.65							.001		.001	.001						
SND9068-10	P1PV	96.65	97.65	1.00	1.25	64.5 N	87	66 S	.76				.002		.002				.002						
SND9068-11	P1AV	110.90	111.90	1.00	1.25	64.5 N	87	66 S	.76				.001		.001				.001						
SND9068-12	S2AV	111.90	112.40	.50	1.25	64.5 N	87	66 S	.38							.008		.008	.008						
SND9068-13	SKAV	112.40	113.40	1.00	1.25	65 N	87	66 S	.75	.12			.001		.001				.001	1	.120				
SND9068-14	S3AV	141.80	142.80	1.00	1.25	65 N	87	66 S	.75				.004		.004				.004	1	.870				
SND9068-15	QV	142.80	143.30	.50	1.25	65 N	87	66 S	.38							.070		.070	.070	1	1.250				
SND9068-16	S3AV	143.30	144.30	1.00	1.25	65 N	87	66 S	.75				.001		.001				.001	2	2.000	.015	6.56	.51	2.00

SECTION 2040E

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	NI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	AU*TW	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND9016-1	P1GD	17.90	18.90	1.00	0	44.5 N	78	43 S	.99		3														
SND9016-2	P1GD	18.90	19.90	1.00	0	44.5 N	78	43 S	.99				.001		.001				.001	.001					
SND9016-3	S5GD	19.90	20.70	.80	0	44.5 N	78	43 S	.79							.001		.001	.001	.001					
SND9016-4	P1GD	20.70	21.70	1.00	0	44.5 N	78	43 S	.99				.001		.001				.001	.001					
SND9016-5	P3GD	21.70	22.64	.94	0	44.5 N	78	43 S	.93		2														
SND9016-6	P3GD	22.64	23.64	1.00	0	44.5 N	78	43 S	.99				.001		.001				.001	.001					
SND9016-7	F2GD	23.64	24.64	1.00	0	44.5 N	78	43 S	.99	.36			.001		.001				.001		1				
SND9016-8	QV	24.64	25.30	.66	0	44.5 N	78	43 S	.65							.519		.519	.519	.337	1				
SND9016-9	P2GD	25.30	26.30	1.00	0	44.5 N	78	43 S	.99				.001		.001				.001	.001	2	.169	6.56	5.79	2.00
SND9016-10	P2GD	26.30	27.00	.70	0	44.5 N	78	43 S	.69		6														
SND9016-11	S2GD	27.00	28.00	1.00	0	44.5 N	78	43 S	.99		1														
SND9016-12	P2GD	28.00	29.00	1.00	0	44.5 N	78	43 S	.99		5														
SND9016-13	P1GD	29.00	30.00	1.00	0	44.5 N	78	43 S	.99	.77			.001		.001				.001	.001	1				
SND9016-14	F4GD	30.00	30.50	.50	0	44.5 N	78	43 S	.49							.243		.243	.243	.119	1				
SND9016-15	P1GD	30.50	31.25	.75	0	44.5 N	78	43 S	.74				.001		.001				.001	.001	2	.060	6.56	2.06	2.00
SND9016-16	P1GD	31.25	32.00	.75	0	44.5 N	78	43 S	.74				.001		.001				.001	.001					
SND9016-17	F3GD	32.00	32.50	.50	0	44.5 N	78	43 S	.49							.001		.001	.001						
SND9016-18	P2GD	32.50	33.40	.90	0	44.5 N	78	43 S	.89				.001		.001				.001	.001					
SND9016-19	F4GD	33.40	33.95	.55	0	44.5 N	78	43 S	.54							.006		.006	.006	.003					
SND9016-20	P3GD	33.95	34.95	1.00	0	44.5 N	78	43 S	.99				.001		.001				.001	.001					
SND9016-21	P3GD	34.95	35.95	1.00	0	44.5 N	78	43 S	.99		1														
SND9016-22	P3GD	35.95	36.85	.90	0	44.5 N	78	43 S	.89		4														
SND9016-23	P3GD	36.85	37.85	1.00	0	44.5 N	78	43 S	.99				.001		.001				.001	.001					
SND9016-24	F3GD	37.85	38.35	.50	0	44.5 N	78	43 S	.49							.007		.007	.007	.003					
SND9016-25	P3GD	38.35	39.55	1.20	0	44.5 N	78	43 S	1.19				.001		.001				.001	.001					
SND9016-26	P3GD	39.55	40.75	1.20	0	44.5 N	78	43 S	1.19				.001		.001				.001	.001					
SND9016-27	F3GD	40.75	41.30	.55	0	44.5 N	78	43 S	.54							.002		.002	.002	.001					
SND9016-28	P3GD	41.30	42.30	1.00	0	44.5 N	78	43 S	.99				.001		.001				.001	.001					
SND9016-29	P3GD	42.30	43.40	1.10	0	44.5 N	78	43 S	1.09		4														
SND9016-30	P3GD	43.40	44.50	1.10	0	44.5 N	78	43 S	1.09		1														
SND9017-1	F3GD	28.90	29.40	.50	0	90 N	94	51 S	.31		11														
SND9017-2	S3GD	32.05	33.05	1.00	0	90 N	94	51 S	.63				.001		.001				.001	.001	1				
SND9017-3	QV	33.05	33.90	.85	0	90 N	94	51 S	.53							.074		.074	.074	.039	1				
SND9017-4	S3GD	33.90	34.51	.61	0	90 N	94	51 S	.38				.001		.001				.001		1				
SND9017-5	QV	34.51	35.05	.54	0	90 N	94	51 S	.34							.087		.087	.087	.030	1				
SND9017-6	A3GD	35.05	35.47	.42	0	90 N	94	51 S	.26	.12			.001		.001				.001		2	.035	6.56	1.20	2.00
SND9017-7	F4GD	35.47	36.30	.83	0	90 N	94	51 S	.52							.019		.019	.019	.010					
SND9017-8	GD	36.30	37.30	1.00	0	90 N	94	51 S	.63				.001		.001				.001	.001					
SND9017-9	S2GD	39.75	40.75	1.00	0	90 N	94	51 S	.63				.001		.001				.001	.001					
SND9017-10	F5GD	40.75	41.08	.33	0	90 N	94	51 S	.21							.065		.065	.065	.014					
SND9017-11	F4GD	41.08	41.60	.52	0	90 N	94	51 S	.33							.073		.073	.073	.024					
SND9017-12	S3GD	41.60	42.60	1.00	0	90 N	94	51 S	.63				.002		.002				.002	.001					
SND9017-13	GD	43.30	44.40	1.10	0	90 N	94	51 S	.69				.001		.001				.001	.001					
SND9017-14	F5GD	44.40	44.90	.50	0	90 N	94	51 S	.31							.041		.041	.041	.013					
SND9017-15	GD	44.90	45.90	1.00	0	90 N	94	51 S	.63				.001		.001				.001	.001					
SND9018-1	GD	14.00	15.00	1.00	0	90 N	85	50 S	.64	.70			.001		.001				.001	.001	1				
SND9018-2	F2GD	15.00	15.50	.50	0	90 N	85	50 S	.32							.143		.143	.143	.046	1	.023	6.56	.79	2.00
SND9018-3A	GD	15.50	15.85	.35	0	90 N	85	50 S	.22		3										2	.039	3.87	1.34	1.18
SND9018-3	GD	15.85	16.50	.65	0	90 N	85	50 S	.42				.001		.001				.001						
SND9018-4	GD	35.00	36.00	1.00	0	90 N	85	50 S	.64				.001		.001				.001	.001					

SECTION 2040E

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	AU*TW	FROM TO	AVG OZ/T	FEET AVG GM/T	METRES
SND9018-5	F2GD	36.00	36.50	.50	0	90 N	85	50 S	.32							.008		.008	.008	.003				
SND9018-6	GD	36.50	37.50	1.00	0	90 N	85	50 S	.64				.001		.001				.001	.001				
SND9018-7	F2GD	65.50	66.00	.50	0	90 N	85	50 S	.32		2													
SND9018-8	S4GD	66.00	68.25	2.25	0	90 N	85	50 S	1.45		1													
SND9060-1	GD	12.40	13.40	1.00	2	65 N	101	59 S	.82		9													
SND9060-2	F5GD	13.40	13.90	.50	2	65 N	101	59 S	.41				.008		.008				.008	.003				
SND9060-3	GD	13.90	14.90	1.00	2	65 N	101	59 S	.82		12													
SND9060-4	GG	23.80	24.30	.50	2	65 N	101	59 S	.41		100	.003							.003	.001				
SND9060-5	F4GD	68.50	69.00	.50	2	64.5 N	101	59 S	.41		61	.002							.002	.001				
SND9060-6	GD	70.25	71.25	1.00	2	64.5 N	101	59 S	.83				.001		.001				.001	.001				
SND9060-7	S3GD	71.25	71.75	.50	2	64.5 N	101	59 S	.41							.007		.007	.007	.003				
SND9060-8	GD	71.75	72.75	1.00	2	64.5 N	101	59 S	.83				.001		.001				.001	.001				
SND9060-9	K3GD	82.63	83.63	1.00	2	64.5 N	101	59 S	.83				.001		.001				.001	.001				
SND9060-10	QV	83.63	84.29	.66	2	64.5 N	101	59 S	.55							.090		.090	.090	.050	1			
SND9060-11	K3GD	84.29	85.10	.81	2	64.5 N	101	59 S	.67				.014		.014				.014	.009	1			
SND9060-12	K3GD	85.10	86.30	1.20	2	64.5 N	101	59 S	1.00	.78			.001		.001				.001	.001	2	.030	6.56	1.03	2.00
SND9060-13	F4GD	86.30	86.80	.50	2	64.5 N	101	59 S	.41							.045		.045	.045	.018				
SND9060-14	K4GD	86.80	87.80	1.00	2	64.5 N	101	59 S	.83				.001		.001				.001	.001				
SND9060-15	K3QM	95.80	96.80	1.00	2	64.5 N	101	59 S	.83				.001		.001				.001	.001				
SND9060-16	F3AV	96.80	97.30	.50	2	64.5 N	101	59 S	.41							.016		.016	.016	.007				
SND9060-17	QM	97.30	98.30	1.00	2	64.5 N	101	59 S	.83				.001		.001				.001	.001				
SND9060-18	F4QM	100.90	101.40	.50	2	64.5 N	101	59 S	.41				.032		.032				.032	.013				
SND9060-19	K4QM	101.40	102.40	1.00	2	64.5 N	101	59 S	.83	.76			.001		.001				.001	.001	1			
SND9060-20	K2QM	102.40	103.40	1.00	2	64.5 N	101	59 S	.83				.002		.002				.002	.002	1			
SND9060-21	F4QN	103.40	103.90	.50	2	64.5 N	101	59 S	.41							.078		.078	.078	.032	2	.017	6.56	.58	2.00
SND9060-22	AV	103.90	104.90	1.00	2	64.5 N	101	59 S	.83	.70			.001		.001				.001	.001				
SND9067-1	P2GD	45.30	46.30	1.00	2.5	64 N	104	61 S	.81				.001		.001				.001	.001				
SND9067-2	F3GD	46.30	46.80	.50	2.5	64 N	104	61 S	.41							.042		.042	.042	.017				
SND9067-3	P2GD	46.80	47.80	1.00	2.5	64 N	104	61 S	.81				.001		.001				.001	.001				
SND9067-4	F3GD	55.60	56.10	.50	2.5	64 N	104	61 S	.41		250	.007							.007	.003				
SND9067-5	S3GD	62.00	63.00	1.00	2.5	64 N	104	61 S	.81		49	.001							.001	.001				
SND9067-6	QV	120.00	120.50	.50	2.5	64.3 N	104	61 S	.40		56	.002							.002	.001				
SND9067-7	P1PV	125.00	126.00	1.00	2.5	64.3 N	104	61 S	.81				.001		.001				.001	.001				
SND9067-8	F3PV	126.00	126.50	.50	2.5	64.3 N	104	61 S	.40							.003		.003	.003	.001				
SND9067-9	F3PV	126.50	127.50	1.00	2.5	64.3 N	104	61 S	.81				.001		.001				.001	.001				
SND9067-10	P1PV	128.40	129.40	1.00	2.5	64.3 N	104	61 S	.81	.79			.001		.001				.001	.001	1			
SND9067-11	F4PV	129.40	129.90	.50	2.5	64.3 N	104	61 S	.40							.036		.036	.036	.014	1			
SND9067-12	S3PV	129.90	130.90	1.00	2.5	64.3 N	104	61 S	.81				.001		.001				.001	.001	2	.008	6.56	.27	2.00
SND9067-13	P2PV	132.75	133.75	1.00	2.5	64.3 N	104	61 S	.81				.001		.001				.001	.001				
SND9067-14	F3PV	133.75	134.25	.50	2.5	64.3 N	104	61 S	.40							.011		.011	.011	.004				
SND9067-15	S2PV	134.25	135.25	1.00	2.5	64.3 N	104	61 S	.81				.001		.001				.001	.001				
SND9067-16	P2PV	136.75	137.75	1.00	2.5	64.3 N	104	61 S	.81				.001		.001				.001	.001				
SND9067-17	F5PV	137.75	138.40	.65	2.5	64.3 N	104	61 S	.53							.027		.027	.027	.014				
SND9067-18	P2PV	138.40	139.40	1.00	2.5	64.3 N	104	61 S	.81				.001		.001				.001	.001				

SECTION 2090E

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	SUM TW	AVG OZ/T	FEET AVG GM/T	METRES
SND9013-1	GD	17.40	18.40	1.00	0	45 N	74	29 S	.95				.006		.006				.006					
SND9013-2	QV	18.40	18.90	.50	0	45 N	74	29 S	.47	.20						.062		.062	.062	1	.200			
SND9013-3	GD	18.90	19.70	.80	0	45 N	74	29 S	.76				.001		.001				.001	1	.960			
SND9013-4	QV	19.70	20.20	.50	0	45 N	74	29 S	.47							.195		.195	.195	1	1.430			
SND9013-5	QV	20.20	20.80	.60	0	45 N	74	29 S	.57							.404		.404	.404	2	2.000	.168	6.56	5.76	2.00
SND9013-6	GD	20.80	21.40	.60	0	45 N	74	29 S	.57				.001		.001				.001					
SND9013-7	F4GD	21.40	21.90	.50	0	45 N	74	29 S	.47							.039		.039	.039					
SND9013-8	GD	21.90	22.60	.70	0	45 N	74	29 S	.66		2													
SND9013-9	GD	22.60	23.60	1.00	0	45 N	74	29 S	.95		7													
SND9013-10	GD	23.60	25.40	1.80	0	45 N	74	29 S	1.71		6													
SND9013-11	F4GD	25.40	25.90	.50	0	44 N	74	29 S	.47		490	.014							.014					
SND9013-12	GD	25.90	27.00	1.10	0	44 N	74	29 S	1.04		3													
SND9013-13	F2GD	27.00	28.00	1.00	0	44 N	74	29 S	.94	.40			.001		.001				.001	1	.400			
SND9013-14	QV	28.00	28.50	.50	0	44 N	74	29 S	.47							.005		.005	.005	1	.870			
SND9013-15	F3GD	28.50	29.00	.50	0	44 N	74	29 S	.47							.006		.006	.006	1	1.340			
SND9013-16	QV	29.00	29.70	.70	0	44 N	74	29 S	.66							.807		.807	.807	2	2.000	.269	6.56	9.22	2.00
SND9013-17	GD	29.70	30.70	1.00	0	44 N	74	29 S	.94				.001		.001				.001					
SND9013-18	GR	37.50	38.50	1.00	0	44 N	74	29 S	.94				.001		.001				.001					
SND9013-19	F4GR	38.50	39.50	1.00	0	43 N	74	29 S	.94							.037		.037	.037					
SND9013-20	K2GR	39.50	40.17	.67	0	43 N	74	29 S	.63				.001		.001				.001					
SND9013-21	F4GR	40.17	40.72	.55	0	43 N	74	29 S	.52		62	.002							.002					
SND9013-22	P2GR	40.72	42.80	2.08	0	43 N	74	29 S	1.95		2													
SND9013-23	K3GR	42.80	43.80	1.00	0	43 N	74	29 S	.94	.59			.001		.001				.001	1	.590			
SND9013-24	F4GR	43.80	44.30	.50	0	43 N	74	29 S	.47							.617		.617	.617	1	1.060			
SND9013-25	K3GR	44.30	45.30	1.00	0	43 N	74	29 S	.94				.001		.001				.001	2	2.000	.146	6.56	5.01	2.00
SND9013-26	X5GD	64.70	65.53	.83	0	43 N	74	29 S	.78		2													
SND9014-1	S3GD	5.18	6.18	1.00	0	90	96	40 S	.77		14													
SND9014-2	P3GD	11.50	12.50	1.00	0	90	96	40 S	.77		3													
SND9014-3	F2GD	18.90	19.90	1.00	0	90	96	40 S	.77		3													
SND9014-4	P1GD	34.00	35.20	1.20	0	90	96	40 S	.92		6													
SND9014-5	P3GD	35.20	36.20	1.00	0	90	96	40 S	.77				.001		.001				.001					
SND9014-6	F4GD	36.20	36.80	.60	0	90	96	40 S	.46							.009		.009	.009					
SND9014-7	S3GD	36.80	37.90	1.10	0	90	96	40 S	.84				.001		.001				.001					
SND9014-8	QV	37.90	38.40	.50	0	90	96	40 S	.38							.002		.002	.002					
SND9014-9	F4GD	38.40	39.20	.80	0	90	96	40 S	.61				.001		.001				.001					
SND9014-10	P3GD	39.20	40.00	.80	0	90	96	40 S	.61				.001		.001				.001					
SND9014-11	P3GD	40.00	41.00	1.00	0	90	96	40 S	.77				.001		.001				.001					
SND9014-12	QV	41.00	42.00	1.00	0	90	96	40 S	.77							.014		.014	.014					
SND9014-13	P2GD	42.00	43.15	1.15	0	90	96	40 S	.88	.43			.001		.001				.001	1	.430			
SND9014-14	P2GD	43.15	44.15	1.00	0	90	96	40 S	.77				.001		.001				.001	1	1.200			
SND9014-15	F2GD	44.15	44.70	.55	0	90	96	40 S	.42							.025		.025	.025	1	1.620			
SND9014-16	QV	44.70	45.20	.50	0	90	96	40 S	.38							5.868		5.868	5.868	2	2.000	1.121	6.56	38.43	2.00
SND9014-17	S3GD	45.20	46.40	1.20	0	90	96	40 S	.92				.001		.001				.001					
SND9014-18	P2GD	46.40	47.40	1.00	0	90	96	40 S	.77		4													
							96	40 S																
SND9014-19	P1GD	51.45	52.45	1.00	0	90	96	40 S	.77		19	.001							.001					
SND9014-20	F2GD	52.45	52.95	.50	0	90	96	40 S	.38		90	.002							.002					
SND9014-21	F2GD	52.95	53.50	.55	0	90	96	40 S	.42		6													
SND9014-22	P1GD	53.50	54.00	.50	0	90	96	40 S	.38		2													
SND9014-23	F4GD	54.00	54.50	.50	0	90	96	40 S	.38		6													
SND9014-24	P1GD	54.50	55.50	1.00	0	90	96	40 S	.77		3													
SND9014-25	F3GD	55.50	56.00	.50	0	90	96	40 S	.38		6													
SND9014-26	P1GD	56.00	57.00	1.00	0	90	96	40 S	.77		4													
					0	0																		
SND9015-1	GD	12.25	13.25	1.00	0	90	85	65S	.42		4													

SECTION 2090E

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	SUM TW	AVG OZ/T	FEET	AVG GM/T	METRES
SND9015-3	GD	13.75	14.75	1.00	0	90	85	65S	.42		1														
SND9015-4	GD	15.50	16.50	1.00	0	90	85	65S	.42		1														
SND9015-5	F4GD	16.50	17.02	.52	0	90	85	65S	.22		220														
SND9015-6	GD	17.02	18.10	1.08	0	90	85	65S	.46				.001		.001				.001						
SND9015-7	GV	18.10	18.60	.50	0	90	85	65S	.21							.094		.094	.094						
SND9015-8	GD	18.60	19.60	1.00	0	90	85	65S	.42				.001		.001				.001						
SND9015-9	F4GD	23.47	23.97	.50	0	90	85	65S	.21		120	.003							.003						
SND9015-10	F3GD	28.04	28.54	.50	0	90	85	65S	.21		11														
SND9015-11	F4GD	30.15	30.65	.50	0	90	85	65S	.21		1														
SND9015-12	F4GD	40.60	41.10	.50	0	90	85	65S	.21		13														
SND9015-13	F4GD	45.30	45.80	.50	0	90	85	65S	.21		97	.003							.003						
SND9066-1	GD	26.05	27.05	1.00	357	66 N	96	54 S	.86	.71			.001		.001				.001	1	.710				
SND9066-2	F3GD	27.05	27.55	.50	357	66 N	96	54 S	.43							.117		.117	.117	1	1.140				
SND9066-3	GD	27.55	28.55	1.00	357	66 N	96	54 S	.86				.001		.001				.001	2	2.000	.026	6.56	.89	2.00
SND9066-4	F3GD	28.55	29.05	.50	357	66 N	96	54 S	.43		20	.001							.001						
SND9066-5	GD	31.95	32.75	.80	357	66 N	96	54 S	.69				.001		.001				.001						
SND9066-6	GG	32.75	33.25	.50	357	66 N	96	54 S	.43							.002		.002	.002						
SND9066-7	S3GD	33.25	34.25	1.00	357	66 N	96	54 S	.86				.001		.001				.001						
SND9066-8	F3GD	36.40	36.90	.50	357	66 N	96	54 S	.43		2.750	.080							.080						
SND9066-9	S3GD	52.80	53.30	.50	357	66 N	96	54 S	.43		170	.005							.005						
SND9066-10	GG	55.45	55.95	.50	357	66 N	96	54 S	.43		12														
SND9066-11	S3GD	95.60	96.60	1.00	357	66 N	96	54 S	.86				.001		.001				.001						
SND9066-12	F5GD	96.60	97.10	.50	357	66 N	96	54 S	.43							.101		.101	.101	1	.430				
SND9066-13	GV	97.10	97.50	.40	357	66 N	96	54 S	.34							7.974		7.974	7.974	1	.770				
SND9066-14	F3GD	97.50	98.20	.70	357	66 N	96	54 S	.60							.007		.007	.007	1	1.370				
SND9066-15	F3GD	98.20	99.20	1.00	357	66 N	96	54 S	.86	.63			.001		.001				.001	2	2.000	1.380	6.56	47.31	2.00

SECTION 2140E (1990 VERSION)

2/18/91

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK MI CONV PPB	OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND891-1	P2GD	28.19	29.12	.93	0	44.5 N	86	23 S	.86				.001		.001				.001					
SND891-2	F3GD	29.12	30.09	.97	0	44.5 N	86	23 S	.90	.35			.003		.003	.003		.003	.003	1				
SND891-3	QV	30.09	30.38	.29	0	44.5 N	86	23 S	.27				3.998		3.998	5.533		5.533	5.533	1				
SND891-4	F3GD	30.38	30.88	.50	0	44.5 N	86	23 S	.46				.165		.165	.196		.196	.196	1				
SND891-5	P4GD	30.88	31.88	1.00	0	44.5 N	86	23 S	.92				.022		.022	.021		.021	.021	2	.802	6.56	27.50	2.00
SND891-6	F2GD	31.88	32.86	.98	0	44.5 N	86	23 S	.90				.004		.004				.004					
SND891-7	P4GD	32.86	33.86	1.00	0	44.5 N	86	23 S	.92				.003		.003				.003					
SND891-12	A2GD	38.40	39.00	.60	0	41.5 N	86	23 S	.54				.071		.071	.056		.056	.056					
SND891-13	A2GD	41.00	41.55	.55	0	41.5 N	86	23 S	.50				.182		.182	.305		.305	.305					
SND891-8	P4GD	57.60	58.44	.84	0	41.5 N	86	23 S	.76	.34			.002		.002				.002	1				
SND891-9	F3GD	58.44	59.39	.95	0	41.5 N	86	23 S	.86				.075		.075	.534		.534	.534	1				
SND891-10	A2GD	59.39	60.28	.89	0	41.5 N	86	23 S	.80				.006		.006				.006	2	.232	6.56	7.95	2.00
SND891-11	P4GD	60.28	61.28	1.00	0	41.5 N	86	23 S	.90	.34			.001		.001				.001					
SND892-1	P1GD	26.14	27.14	1.00	0	90 N	86	17 S	.96				.001		.001				.001					
SND892-2	P3GD	27.14	27.54	.40	0	90 N	86	17 S	.38	.31			.001		.001				.001	1				
SND892-3	QV	27.54	28.30	.76	0	90 N	86	17 S	.73				.862		.862	.807		.807	.807	1				
SND892-4	P2GD	28.30	29.30	1.00	0	90 N	86	17 S	.96				.001		.001				.001	2	.295	6.56	10.11	2.00
SND892-5	P2GD	29.30	31.19	1.89	0	90 N	86	17 S	1.81				.003		.003	.002		.002	.002					
SND892-6	F2GD	31.19	31.62	.43	0	90 N	86	17 S	.41				.005		.005	.005		.005	.005					
SND892-7	F2GD	31.62	31.90	.28	0	90 N	86	17 S	.27				.009		.009	.028		.028	.028					
SND892-8	P2GD	31.90	32.84	.94	0	90 N	86	17 S	.90				.001		.001	.001		.001	.001					
SND892-9	F2GD	32.84	33.43	.59	0	90 N	86	17 S	.56				.001		.001	.001		.001	.001					
SND892-10	P2GD	33.43	34.13	.70	0	90 N	86	17 S	.67				.001		.001				.001					
SND892-11	P2GD	34.13	34.90	.77	0	90 N	86	17 S	.74				.001		.001				.001					
SND893-1	P2GD	37.46	38.46	1.00	0	90 N	100	38 S	.79				.001		.001				.001					
SND893-2	QV	38.46	39.09	.63	0	90 N	100	38 S	.50				.014	.060	.037	.061		.061	.061					
SND893-3	F4GD	39.09	39.45	.36	0	90 N	100	38 S	.28				.004		.004	.006		.006	.006					
SND893-4	A3GD	39.45	40.25	.80	0	90 N	100	38 S	.63				.001		.001				.001					
SND893-5	P4GD	40.25	42.17	1.92	0	90 N	100	38 S	1.51				.001		.001				.001					
SND893-6	P4GD	42.17	43.27	1.10	0	90 N	100	38 S	.87				.001		.001				.001					
SND893-7	S4GD	43.27	44.13	.86	0	90 N	100	38 S	.68				.003	.004	.004	.004		.004	.004	1				
SND893-8	S4GD	44.13	44.65	.52	0	90 N	100	38 S	.41				.022	.028	.025	.028		.028	.028	1				
SND893-9	QV	44.65	45.43	.78	0	90 N	100	38 S	.61				.061	.065	.063	.072		.072	.072	1				
SND893-10	P2GD	45.43	46.75	1.32	0	90 N	100	38 S	1.04	.30			.001		.001				.001	2	.029	6.56	.99	2.00
SND893-11	F3GD	46.75	47.46	.71	0	90 N	100	38 S	.56				.010		.010	.014		.014	.014					
SND893-12	F3GD	47.46	48.32	.86	0	90 N	100	38 S	.68				.004		.004	.004		.004	.004					
SND893-13	F3GD	48.32	49.33	1.01	0	90 N	100	38 S	.80				.009		.009	.011		.011	.011					
SND893-14	P2GD	49.33	50.33	1.00	0	90 N	100	38 S	.79				.003		.003				.003					
SND893-15	P1GD	53.20	54.20	1.00	0	90 N	100	38 S	.79				.001		.001				.001					
SND893-16	P1GD	54.20	54.60	.40	0	90 N	100	38 S	.32				.037		.037	.021		.021	.021					
SND893-17	P1GD	54.60	55.60	1.00	0	90 N	100	38 S	.79				.001		.001				.001					
SND8911-1	P1GD	39.71	40.71	1.00	0	90 N	80	20 S	.94				.001		.001				.001					
SND8911-2	F2GD	40.71	41.01	.30	0	90 N	80	20 S	.28							.071		.071	.071					
SND8911-3	P1GD	41.01	42.01	1.00	0	90 N	80	20 S	.94				.001		.001				.001					
SND8911-4	P1GD	42.01	42.89	.88	0	90 N	80	20 S	.83				.001		.001				.001					
SND8911-5	P1GD	42.89	43.19	.30	0	90 N	80	20 S	.28							.001		.001	.001					
SND8911-6	P1GD	43.19	43.93	.74	0	90 N	80	20 S	.70				.001		.001				.001					
SND8911-7	FKGD	43.93	44.28	.35	0	90 N	80	20 S	.33							.032		.032	.032					

SECTION 2140E (1990 VERSION) 2/18/91

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T FEET	AVG GM/T METRES	
SND8911-8	P1GD	44.28	45.28	1.00	0	90 N	80	20 S	.94				.001		.001				.001				
SND8911-9	P1GD	45.28	46.35	1.07	0	90 N	80	20 S	1.01				.001		.001				.001				
SND8911-10	F3GD	46.35	46.65	.30	0	90 N	80	20 S	.28							.023		.023	.023				
SND8911-11	P1GD	46.65	47.75	1.10	0	90 N	80	20 S	1.03				.001		.001				.001				
SND8911-12	F1GD	47.75	48.05	.30	0	90 N	80	20 S	.28							.001		.001	.001				
SND8911-13	P1GD	48.05	49.05	1.00	0	90 N	80	20 S	.94				.001		.001				.001				
SND8911-14	P1GD	54.54	55.54	1.00	0	90 N	80	20 S	.94				.003		.003				.003				
SND8911-15	F1GD	55.54	55.84	.30	0	90 N	80	20 S	.28							.003		.003	.003				
SND8911-16	P1GD	55.84	56.84	1.00	0	90 N	80	20 S	.94				.001		.001				.001				
SND8911-17	F3GD	56.84	57.59	.75	0	90 N	80	20 S	.70							.005		.005	.005				
SND8911-18	P1GD	57.59	58.59	1.00	0	90 N	80	20 S	.94				.002		.002				.002				
SND8911-19	P1GD	58.59	59.59	1.00	0	90 N	80	20 S	.94				.005		.005				.005				
SND8911-20	P1GD	59.59	60.10	.51	0	90 N	80	20 S	.48				.001		.001				.001				
SND8911-21	P1GD	60.10	60.70	.60	0	90 N	80	20 S	.56							.001		.001	.001				
SND8911-22	F3GD	60.70	61.45	.75	0	90 N	80	20 S	.70							.001		.001	.001				
SND8911-23	P1GD	61.45	62.45	1.00	0	90 N	80	20 S	.94				.001		.001				.001				
SND8911-24	P1GD	62.45	63.45	1.00	0	90 N	80	20 S	.94				.001		.001				.001				
SND8911-25	P1GD	63.45	64.45	1.00	0	90 N	80	20 S	.94				.001		.001				.001				
SND8911-26	P1GD	64.45	65.35	.90	0	90 N	80	20 S	.85				.001		.001				.001				
SND8911-27	F3GD	65.35	65.95	.60	0	90 N	80	20 S	.56							.001		.001	.001				
SND8911-28	P1GD	65.95	66.95	1.00	0	90 N	80	20 S	.94				.001		.001				.001				
SND9065-1	F2GD	42.90	43.40	.50	1.5	67 S	100	64 S	.38		87	.003											
SND9065-2	F2GD	45.00	46.00	1.00	1.5	67 S	100	64 S	.75		110	.003											
SND9065-3	*P1GD*	*46.00*	*46.80*	*.80*	*1.5*	*67 S*	*100*	*64 S*	*.60*				*.001*		*.001*				*.001*				
SND9065-4	S3GD	46.80	47.30	.50	1.5	67 S	100	64 S	.38							.002		.002	.002				
SND9065-5	P1GD	47.30	48.40	1.10	1.5	67 S	100	64 S	.83				.001		.001				.001				
SND9065-6	F3GD	48.40	48.90	.50	1.5	67 S	100	64 S	.38							.018		.018	.018				
SND9065-7	P1GD	48.90	49.90	1.00	1.5	67 S	100	64 S	.75				.001		.001				.001				
SND9065-8	F2GD	55.70	56.20	.50	1.5	67 S	100	64 S	.38		69	.002											
SND9065-9	P1GD	57.60	58.60	1.00	1.5	67 S	100	64 S	.75				.001		.001				.001				
SND9065-10	F4GD	58.60	59.10	.50	1.5	67 S	100	64 S	.38							.003		.003	.003				
SND9065-11	P1GD	59.10	60.10	1.00	1.5	67 S	100	64 S	.75				.001		.001				.001				
SND9065-12	GG	102.75	103.25	.50	1.5	67 S	100	64 S	.38		26	.001								1			
SND9065-13	S3GD	111.80	112.80	1.00	1.5	67 S	100	64 S	.75				.001		.001				.001	1			
SND9065-14	QV	112.80	113.70	.90	1.5	67 S	100	64 S	.68							1.411		1.411	1.411	1			
SND9065-15	P1GD	113.70	114.70	1.00	1.5	67 S	100	64 S	.75	.19			.001		.001				.001	2	.480	6.56	16.46	2.00
SND8912-1	P3QM	41.25	42.25	1.00	0	90 N	80	20 S	.94				.001		.001				.001				
SND8912-2	F2QM	42.25	42.65	.40	0	90 N	80	20 S	.38							.001		.001	.001				
SND8912-3	P2QM	42.65	43.35	.70	0	90 N	80	20 S	.66				.001		.001				.001				
SND8912-4	F1QM	43.35	43.65	.30	0	90 N	80	20 S	.28							.001		.001	.001				
SND8912-5	P2QM	43.65	44.60	.95	0	90 N	80	20 S	.89				.001		.001				.001				
SND8912-6	S2GD	82.20	83.20	1.00	0	90 N	80	20 S	.94	.51			.001		.001				.001	1			
SND8912-7	F1GD	83.20	83.88	.68	0	90 N	80	20 S	.64							.009		.009	.009	1			
SND8912-8	F1GD	83.88	84.30	.42	0	90 N	80	20 S	.39							.217		.217	.217	1			
SND8912-9	S2GD	84.30	85.15	.85	0	90 N	80	20 S	.80				*.001*		*.001*				*.001*	2	*.039*	7.68	1.34	2.34
SND8912-10	S2GD	85.15	86.00	.85	0	90 N	80	20 S	.80				.001		.001				.001				
SND8912-11	F1GD	86.00	86.50	.50	0	90 N	80	20 S	.47							.005		.005	.005				
SND8912-12	F1GD	86.50	87.17	.67	0	90 N	80	20 S	.63							.002		.002	.002				
SND8912-13	QV	87.17	87.52	.35	0	90 N	80	20 S	.33							.016		.016	.016				
SND8912-14	S2GD	87.52	88.15	.63	0	90 N	80	20 S	.59							.001		.001	.001				
SND8912-15	QV	88.15	88.65	.50	0	90 N	80	20 S	.47							.003		.003	.003				
SND8912-16	P3GD	88.65	89.65	1.00	0	90 N	80	20 S	.94				.001		.001				.001				
SND8912-17	P3GD	89.65	90.40	.75	0	90 N	80	20 S	.70				.001		.001				.001				
SND8912-18	F1GD	90.40	90.95	.55	0	90 N	80	20 S	.52							.001		.001	.001				

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SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T FEET	AVG GM/T METRES
SND8912-19	P36D	90.95	91.75	.80	0	90 N	80	20 S	.75							.001		.001	.001			
SND8912-20	GD	91.75	92.75	1.00	0	90 N	80	20 S	.94				.001		.001				.001			

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SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND9021-1	F4GD	14.00	14.50	.50	0	44.5 N	92	21 S	.45		1													
SND9021-2	P4GD	18.30	19.30	1.00	0	44.5 N	92	21 S	.91				.001		.001				.001					
SND9021-3	F4GD	19.30	19.80	.50	0	44.5 N	92	21 S	.45							.005		.005	.005					
SND9021-4	F2GD	19.80	20.80	1.00	0	44.5 N	92	21 S	.91				.001		.001				.001					
SND9021-5	P4GD	22.85	23.85	1.00	0	44.5 N	92	21 S	.91	.86			.005		.005				.005	1				
SND9021-6	F4GD	23.85	24.54	.69	0	44.5 N	92	21 S	.63							.386		.386	.386	1				
SND9021-7	QV	24.54	25.10	.56	0	44.5 N	92	21 S	.51							.047		.047	.047	2	.136	6.56	4.66	2.00
SND9021-8	A4GD	25.10	26.24	1.14	0	44.5 N	92	21 S	1.04				.003		.003				.003					
SND9021-9	P4GD	26.24	26.90	.66	0	44.5 N	92	21 S	.60		4													
SND9021-10	F4GD	26.90	27.78	.88	0	44.5 N	92	21 S	.80		12													
SND9021-11	GD	27.78	28.78	1.00	0	44.5 N	92	21 S	.91		5													
SND9021-12	F3GD	28.78	29.40	.62	0	44.5 N	92	21 S	.56		4													
SND9021-13	F3GD	34.27	35.05	.78	0	44.5 N	92	21 S	.71		10													
SND9021-14	GD	41.98	42.90	.92	0	44.5 N	92	21 S	.84				.001		.001				.001					
SND9021-15	F3GD	42.90	43.45	.55	0	44.5 N	92	21 S	.50							.004		.004	.004					
SND9021-16	F5GD	43.45	44.03	.58	0	44.5 N	92	21 S	.53							.024		.024	.024					
SND9021-17	F3GD	44.03	45.13	1.10	0	44.5 N	92	21 S	1.00		22													
SND9021-18	GD	45.13	46.13	1.00	0	44.5 N	92	21 S	.91		7													
SND9021-19	F3GD	46.77	47.35	.58	0	44.5 N	92	21 S	.53		75	.002							.002					
SND9021-20	GD	52.90	53.90	1.00	0	44.5 N	92	21 S	.91				.001		.001				.001					
SND9021-21	F4GD	53.90	54.40	.50	0	44.5 N	92	21 S	.45							.004		.004	.004					
SND9021-22	GD	54.40	55.40	1.00	0	44.5 N	92	21 S	.91				.001		.001				.001					
SND9021-23	QVGG	68.70	69.20	.50	0	44.5 N	92	21 S	.45		1.380	.040	.034		.034				.034					
					0																			
SND9022-1	P2QM	11.40	12.40	1.00	0	80 N	86	21 S	.98		700	.020							.020					
SND9022-2	P3GD	16.20	17.20	1.00	0	80 N	86	21 S	.98		1													
SND9022-3	P3GD	17.20	18.20	1.00	0	80 N	86	21 S	.98				.001		.001				.001					
SND9022-4	F3GD	18.20	19.20	1.00	0	80 N	86	21 S	.98							.009		.009	.009					
SND9022-5	F4GD	19.20	20.20	1.00	0	80 N	86	21 S	.98							.012		.012	.012					
SND9022-6	P3GD	20.20	21.20	1.00	0	80 N	86	21 S	.98				.001		.001				.001					
SND9022-7	P3GD	21.20	22.20	1.00	0	80 N	86	21 S	.98		2													
SND9022-8	P1GD	31.40	32.40	1.00	0	80 N	86	21 S	.98		1													
SND9022-9	P1GD	32.40	33.40	1.00	0	80 N	86	21 S	.98				.001		.001				.001					
SND9022-10	F3GD	33.40	33.90	.50	0	80 N	86	21 S	.49							.010		.010	.010					
SND9022-11	P1GD	33.90	34.70	.80	0	80 N	86	21 S	.79				.001		.001				.001					
SND9022-12	QV	34.70	35.20	.50	0	80 N	86	21 S	.49							.062		.062	.062	1				
SND9022-13	F3GD	35.20	36.35	1.15	0	80 N	86	21 S	1.13							.037		.037	.037	1				
SND9022-14	P1GD	36.35	37.15	.80	0	80 N	86	21 S	.79	.38			.001		.001				.001	2	.036	6.56	1.23	2.00
SND9022-15	F3GD	37.15	37.65	.50	0	80 N	86	21 S	.49							.001		.001	.001					
SND9022-16	P1GD	37.65	38.50	.85	0	80 N	86	21 S	.83				.001		.001				.001					
SND9022-17	P3GD	38.50	39.50	1.00	0	80 N	86	21 S	.98		19	.001							.001					
SND9022-18	P3GD	39.50	40.50	1.00	0	80 N	86	21 S	.98				.001		.001				.001					
SND9022-19	F3GD	40.50	41.00	.50	0	80 N	86	21 S	.49							.001		.001	.001					
SND9022-20	P1GD	41.00	42.00	1.00	0	80 N	86	21 S	.98				.001		.001				.001					
SND9022-21	P4GD	42.00	43.00	1.00	0	80 N	86	21 S	.98		12													
SND9022-22	P4GD	43.00	43.75	.75	0	80 N	86	21 S	.74		3													
SND9022-23	P3GD	43.75	44.45	.70	0	80 N	86	21 S	.69				.001		.001				.001					
SND9022-24	F2GD	44.45	44.95	.50	0	80 N	86	21 S	.49							.003		.003	.003					
SND9022-25	P3GD	44.95	45.80	.85	0	80 N	86	21 S	.83				.002		.002				.002					
SND9022-26	F3GD	45.80	46.35	.55	0	80 N	86	21 S	.54							.001		.001	.001					
SND9022-27	P1GD	46.35	47.35	1.00	0	80 N	86	21 S	.98				.001		.001				.001					
SND9022-28	P1GD	47.35	48.35	1.00	0	80 N	86	21 S	.98		1													
SND9022-29	F2GD	49.50	50.75	1.25	0	80 N	86	21 S	1.23		1													
SND9022-30	F2GD	52.00	53.00	1.00	0	80 N	86	21 S	.98		35	.001							.001					
SND9022-31	F3GD	54.25	55.50	1.25	0	80 N	86	21 S	1.23		4													
SND9022-32	F3GD	55.50	56.75	1.25	0	80 N	86	21 S	1.23		12													
SND9022-33	F2GD	59.50	60.50	1.00	0	80 N	86	21 S	.98		1													

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SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET AVG GM/T	METRES
					0																		
SND9023-1	K3QM	36.22	36.72	.50	0	60 N	88	39 S	.49		3.160	.092							.092				
SND9023-2	F3QM	45.10	45.60	.50	0	60 N	88	39 S	.49		42												
SND9023-3	P4GD	54.74	55.74	1.00	0	60 N	88	39 S	.99	.41			.001		.001				.001	1			
SND9023-4	QV	55.74	56.60	.86	0	60 N	88	39 S	.85							.041		.041	.041	1			
SND9023-5	F3GD	56.60	57.35	.75	0	60 N	88	39 S	.74				.001		.001				.001	2	.018	6.56	.62 2.00
SND9023-6	F2GD	57.35	58.35	1.00	0	60 N	88	39 S	.99				.001		.001				.001				
SND9023-7	S4GD	76.20	76.70	.50	0	60 N	88	39 S	.49		10												
SND9023-8	S4GD	77.75	78.25	.50	0	60 N	88	39 S	.49		7												
SND9023-9	S3GD	78.90	79.40	.50	0	60 N	88	39 S	.49		47	.001							.001				
SND9023-10	S3GD	81.30	81.80	.50	0	60 N	88	39 S	.49		6												
SND9064-1	F3QM	62.40	62.90	.50	359.5	64 N	100	60 S	.41		110	.003							.003				
SND9064-2	F4QM	63.50	64.00	.50	359.5	64 N	100	60 S	.41		75	.002							.002				
SND9064-3	P1QM	64.70	65.70	1.00	359.5	64 N	100	60 S	.82				.001		.001				.001				
SND9064-4	F3QM	65.70	66.20	.50	359.5	64 N	100	60 S	.41							.025		.025	.025				
SND9064-5	P1QM	66.20	66.80	.60	359.5	64 N	100	60 S	.49				.001		.001				.001				
SND9064-6	F3QM	66.80	67.30	.50	359.5	64 N	100	60 S	.41							.043		.043	.043				
SND9064-7	P1GD	67.30	68.30	1.00	359.5	64 N	100	60 S	.82				.001		.001				.001				
SND9064-8	GD	75.00	75.50	.50	359.5	64 N	100	60 S	.41		270	.008							.008				
SND9064-9	A2GD	76.75	77.25	.50	359.5	64 N	100	60 S	.41		290	.008							.008				
SND9064-10	P4GD	105.45	106.45	1.00	358.5	64.5 N	100	60 S	.82				.001		.001				.001				
SND9064-11	QV	106.45	107.20	.75	358.5	64.5 N	100	60 S	.61							.454		.454	.454	1			
SND9064-12	S4GD	107.20	108.00	.80	358.5	64.5 N	100	60 S	.65				.001		.001				.001	1			
SND9064-13	GG	108.00	108.55	.55	358.5	64.5 N	100	60 S	.45							.036		.036	.036	1			
SND9064-14	S3GD	108.55	109.55	1.00	358.5	64.5 N	100	60 S	.82	.41			.001		.001				.001	2	.139	6.96	4.77 2.12

SECTION 2240E

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND9024-1	S3QM	25.10	26.10	1.00	0	45 N	81	20 S	.90		10													
SND9024-2	P3QM	26.10	27.10	1.00	0	45 N	81	20 S	.90		5													
SND9024-3	P3QM	27.10	28.10	1.00	0	45 N	81	20 S	.90	.78			.001		.001				.001	1				
SND9024-4	S5QM	28.10	28.60	.50	0	45 N	81	20 S	.45							.080		.080	.080	1				
SND9024-5	QV	28.60	29.45	.85	0	45 N	81	20 S	.77							.207		.207	.207	2	.098	6.56	3.36	2.00
SND9024-6	P3QM	29.45	30.45	1.00	0	45 N	81	20 S	.90				.001		.001				.001					
SND9024-7	P3QM	30.45	31.45	1.00	0	45 N	81	20 S	.90		1													
SND9024-8	P3QM	32.80	33.80	1.00	0	45 N	81	20 S	.90		4													
SND9024-9	P3QM	33.80	34.80	1.00	0	45 N	81	20 S	.90	.55			.001		.001				.001	1				
SND9024-10	S4QM	34.80	35.40	.60	0	45 N	81	20 S	.54							.096		.096	.096	1	.027	6.56	.93	2.00
SND9024-11	P3QM	35.40	36.40	1.00	0	45 N	81	20 S	.90				.001		.001				.001	2	.027	6.53	.93	1.99
SND9024-12	P3QM	36.40	37.40	1.00	0	45 N	81	20 S	.90		3													
SND9024-13	P1GD	58.75	59.75	1.00	0	45 N	81	20 S	.90		2													
SND9024-14	P1GD	59.75	60.75	1.00	0	45 N	81	20 S	.90				.001		.001				.001					
SND9024-15	F4GD	60.75	61.25	.50	0	45 N	81	20 S	.45							.004		.004	.004					
SND9024-16	P3GD	61.25	62.25	1.00	0	45 N	81	20 S	.90				.001		.001				.001					
SND9024-17	P1GD	62.25	63.25	1.00	0	45 N	81	20 S	.90		1													
SND9024-18	F3GD	65.75	66.25	.50	0	45 N	81	20 S	.45		21													
SND9024-19	F2GD	70.90	71.40	.50	0	45 N	81	20 S	.45		7													
SND9025-1	S2QM	8.15	8.70	.55	0	90	84	25 S	.50		7													
SND9025-2	A2QM	20.15	20.65	.50	0	90	84	25 S	.45		60	.002							.002					
SND9025-3	P2QM	24.60	25.60	1.00	0	90	84	25 S	.91		2													
SND9025-4	P2QM	25.60	26.60	1.00	0	90	84	25 S	.91				.001		.001				.001					
SND9025-5	S4QM	26.60	27.15	.55	0	90	84	25 S	.50							.031		.031	.031	1				
SND9025-6	P3QM	27.15	27.80	.65	0	90	84	25 S	.59				.001		.001				.001	1				
SND9025-7	QV	27.80	28.30	.50	0	90	84	25 S	.45							.002		.002	.002	1				
SND9025-8	F3QM	28.30	28.80	.50	0	90	84	25 S	.45							.002		.002	.002	1				
SND9025-9	F3QM	28.80	29.50	.70	0	90	84	25 S	.63	.10						.010		.010	.010	2	.009	6.86	.31	2.09
SND9025-10	P3QM	29.50	30.50	1.00	0	90	84	25 S	.91				.001		.001				.001					
SND9025-11	P3QM	30.50	31.70	1.20	0	90	84	25 S	1.09		1													
SND9025-12	P3QM	31.70	32.90	1.20	0	90	84	25 S	1.09				.001		.001				.001					
SND9025-13	F3QM	32.90	33.40	.50	0	90	84	25 S	.45							.027		.027	.027					
SND9025-14	P3QM	33.40	34.40	1.00	0	90	84	25 S	.91				.001		.001				.001					
SND9025-15	P3QM	34.40	35.40	1.00	0	90	84	25 S	.91		11													
SND9025-16	S2QM	37.50	38.60	1.10	0	90	84	25 S	1.00		62	.002							.002					
SND9025-17	S2QM	41.50	42.00	.50	0	90	84	25 S	.45		6													
SND9025-18	S2QM	43.00	44.00	1.00	0	90	84	25 S	.91		16													
SND9025-19	F1QM	45.90	46.40	.50	0	90	84	25 S	.45		48	.001							.001					
SND9026-1	S4QM	58.00	58.50	.50	0	90	89	44 S	.36		35	.001							.001					
SND9026-2	P3QM	60.10	61.10	1.00	0	90	89	44 S	.72		7													
SND9026-3	S1QM	61.10	62.10	1.00	0	90	89	44 S	.72	.13			.001		.001				.001	1				
SND9026-4	S3QM	62.10	63.10	1.00	0	90	89	44 S	.72				.001		.001				.001	1				
SND9026-5	S4QM	63.10	63.60	.50	0	90	89	44 S	.36							.010		.010	.010	1				
SND9026-6	QV	63.60	64.20	.60	0	90	89	44 S	.43							.516		.516	.516	1				
SND9026-7	F4GD	64.20	64.70	.50	0	90	89	44 S	.36							.012		.012	.012	2	.115	6.56	3.94	2.00
SND9026-8	P2GD	64.70	65.70	1.00	0	90	89	44 S	.72				.001		.001				.001					
SND9026-9	P2GD	65.70	66.70	1.00	0	90	89	44 S	.72		19	.001							.001					
SND9026-10	F3GD	71.00	71.50	.50	0	90	89	44 S	.36		93													
SND9063-1	P1QM	80.10	81.10	1.00	1.75	64	100	60 S	.83				.001		.001				.001					
SND9063-2	F2QM	81.10	81.60	.50	1.75	64	100	60 S	.41							.001		.001	.001					
SND9063-3	P1QM	81.60	82.60	1.00	1.75	64	100	60 S	.83				.001		.001				.001					
SND9063-4	P1GD	106.30	107.30	1.00	1.75	64	100	60 S	.83				.001		.001				.001					

SECTION 2240E

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND9063-5	F2GD	107.30	107.80	.50	1.75	64	100	60 S	.41							.007		.007	.007					
SND9063-6	F2GD	107.80	108.30	.50	1.75	64	100	60 S	.41	.26						.001		.001	.001	1				
SND9063-7	GG	108.30	108.90	.60	1.75	64	100	60 S	.50				.003		.003				.003	1				
SND9063-8	P3GD	108.90	109.90	1.00	1.75	64	100	60 S	.83				.001		.001				.001	1				
SND9063-9	F4GD	109.90	110.40	.50	1.75	64	100	60 S	.41							.010		.010	.010	2	.003	6.56	.10	2.00
SND9063-10	F4GD	110.40	110.90	.50	1.75	64	100	60 S	.41							.001		.001	.001					
SND9063-11	P2GD	110.90	111.90	1.00	1.75	64	100	60 S	.83				.001		.001				.001					
SND9063-12	F3GD	122.75	123.25	.50	1.75	64	100	60 S	.41		370	.011							.011					
SND9063-13	F3GD	125.50	126.00	.50	1.75	64	100	60 S	.41		140	.004							.004					
SND9063-14	F3GD	140.00	140.50	.50	1.75	64	100	60 S	.41		17													

SECTION 2290E

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND9027-1	P3QM	25.40	26.15	.75	0	42.5 N	74	31 S	.71		8													
SND9027-2	P2QM	31.20	32.20	1.00	0	42.5 N	74	31 S	.94		2													
SND9027-3	F1QM	32.20	32.75	.55	0	42.5 N	74	31 S	.52				.001		.001				.001					
SND9027-4	P2QM	32.75	33.75	1.00	0	42.5 N	74	31 S	.94				.001		.001				.001					
SND9027-5	F3QM	33.75	34.25	.50	0	42.5 N	74	31 S	.47							.094		.094	.094					
SND9027-6	P2QM	34.25	35.20	.95	0	42.5 N	74	31 S	.90				.001		.001				.001					
SND9027-7	X1QM	35.20	36.15	.95	0	42.5 N	74	31 S	.90	.02			.001		.001				.001	1				
SND9027-8	F3QM	36.15	36.65	.50	0	42.5 N	74	31 S	.47							1.555		1.555	1.555	1				
SND9027-9	P2QM	36.65	37.75	1.10	0	42.5 N	74	31 S	1.04				.001		.001				.001	1				
SND9027-10	F4QM	37.75	38.25	.50	0	42.5 N	74	31 S	.47							.020		.020	.020	2	.371	6.56	12.72	2.00
SND9027-11	P2QM	38.25	39.50	1.25	0	42.5 N	74	31 S	1.18				.001		.001				.001					
SND9027-12	P2QM	39.50	40.50	1.00	0	42.5 N	74	31 S	.94				.001		.001				.001					
SND9027-13	F4QM	40.50	41.00	.50	0	42.5 N	74	31 S	.47							.016		.016	.016	1				
SND9027-14	P2QM	41.00	41.50	.50	0	42.5 N	74	31 S	.47				.001		.001				.001	1				
SND9027-15	F4QM	41.50	42.00	.50	0	42.5 N	74	31 S	.47							.083		.083	.083	1				
SND9027-16	S2QM	42.00	43.00	1.00	0	42.5 N	74	31 S	.94	.59			.001		.001				.001	2	.024	6.56	.82	2.00
SND9027-17	P2QM	43.00	44.00	1.00	0	42.5 N	74	31 S	.94				.001		.001				.001					
SND9027-18	F4QM	44.00	44.50	.50	0	42.5 N	74	31 S	.47							.006		.006	.006					
SND9027-19	P3QM	44.50	45.25	.75	0	42.5 N	74	31 S	.71				.001		.001				.001					
SND9027-20	P3QM	45.25	46.00	.75	0	42.5 N	74	31 S	.71				.001		.001				.001	1				
SND9027-21	QV	46.00	46.50	.50	0	42.5 N	74	31 S	.47							.057	.079	.068	.068	1				
SND9027-22	P3QM	46.50	47.50	1.00	0	42.5 N	74	31 S	.94	.82			.001		.001				.001	2	.017	6.56	.58	2.00
SND9027-23	P3QM	47.50	48.50	1.00	0	42.5 N	74	31 S	.94		12													
SND9027-24	S2QM	51.00	52.50	1.50	0	42.5 N	74	31 S	1.42		29	.001							.001					
SND9027-25	F1QM	53.60	54.10	.50	0	42.5 N	74	31 S	.47		60	.002							.002					
SND9028-1	S2QM	14.25	14.75	.50	0	80 N	77	34 S	.46		21	.001							.001					
SND9028-2	P1QM	52.50	53.50	1.00	0	80 N	77	34 S	.91		68	.002							.002					
SND9028-3	P1QM	53.50	54.50	1.00	0	80 N	77	34 S	.91				.001		.001				.001					
SND9028-4	GG	54.50	55.00	.50	0	80 N	77	34 S	.46							.041	.063	.052	.052	1				
SND9028-5	X1QM	55.00	56.10	1.10	0	80 N	77	34 S	1.00				.001		.001				.001	1				
SND9028-6	F5QM	56.10	57.10	1.00	0	80 N	77	34 S	.91	.54						.006		.006	.006	2	.014	6.56	.48	2.00
SND9028-7	P2QM	57.10	57.90	.80	0	80 N	77	34 S	.73	.03			.001		.001				.001	1				
SND9028-8	F5QM	57.90	59.05	1.15	0	80 N	77	34 S	1.05							.010		.010	.010	1				
SND9028-9	QV	59.05	59.55	.50	0	80 N	77	34 S	.46							.026		.026	.026	1				
SND9028-10	F5QM	59.55	60.05	.50	0	80 N	77	34 S	.46							.014		.014	.014	2	.014	6.56	.48	2.00
SND9028-11	P2QM	60.05	61.25	1.20	0	80 N	77	34 S	1.09				.001		.001				.001					
SND9028-12	F1QM	61.25	61.75	.50	0	80 N	77	34 S	.46							.016		.016	.016					
SND9028-13	P2QM	61.75	62.30	.55	0	80 N	77	34 S	.50				.001		.001				.001					
SND9028-14	F5QM	62.30	63.00	.70	0	80 N	77	34 S	.64							.001		.001	.001					
SND9028-15	F2QM	63.00	63.70	.70	0	80 N	77	34 S	.64	.05						.020		.020	.020	1				
SND9028-16	P2QM	63.70	65.00	1.30	0	80 N	77	34 S	1.18				.013		.013				.013	1				
SND9028-17	F3QM	65.00	65.85	.85	0	80 N	77	34 S	.77							.143		.143	.143	2	.063	6.56	2.16	2.00
SND9028-18	F3QM	65.85	66.70	.85	0	80 N	77	34 S	.77							.016		.016	.016					
SND9028-19	P2QM	66.70	68.10	1.40	0	80 N	77	34 S	1.28				.002		.002				.002					
SND9028-20	F1QM	68.10	68.60	.50	0	80 N	77	34 S	.46				.001		.001				.001					
SND9028-21	P1QM	68.60	69.45	.85	0	80 N	77	34 S	.77		20	.001							.001					
SND9028-22	P1QM	69.45	70.30	.85	0	80 N	77	34 S	.77				.002		.002				.002					
SND9028-23	F1QM	70.30	71.00	.70	0	80 N	77	34 S	.64							.002		.002	.002					
SND9028-24	QM	71.00	72.00	1.00	0	80 N	77	34 S	.91				.001		.001				.001					
SND9028-25	QM	72.00	73.00	1.00	0	80 N	77	34 S	.91		1													
SND9029-1	P3QM	75.50	76.50	1.00	0	75 N	90	44 S	.87		8													
SND9029-2	P3QM	76.50	77.50	1.00	0	75 N	90	44 S	.87				.001		.001				.001					
SND9029-3	GG	77.50	78.00	.50	0	75 N	90	44 S	.44							.021		.021	.021					

SECTION 2290E

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND9029-4	P3QM	78.00	79.25	1.25	0	75 N	90	44 S	1.09				.001		.001				.001					
SND9029-5	P3QM	79.25	80.25	1.00	0	75 N	90	44 S	.87		6													
SND9029-6	S2QM	80.25	81.25	1.00	0	75 N	90	44 S	.87				.001		.001				.001					
SND9029-7	QV	81.25	81.75	.50	0	75 N	90	44 S	.44							1.752		1.752	1.752	1				
SND9029-8	QV	81.75	82.25	.50	0	75 N	90	44 S	.44							.242		.242	.242	1				
SND9029-9	F5QM	82.25	82.75	.50	0	75 N	90	44 S	.44							.072		.072	.072	1				
SND9029-10	S4QM	82.75	83.75	1.00	0	75 N	90	44 S	.87	.68			.002		.002				.002	2	.455	6.56	15.60	2.00
SND9029-11	S2QM	83.75	84.75	1.00	0	75 N	90	44 S	.87		25	.001							.001					
SND9029-12	S3QM	90.75	91.25	.50	0	75 N	90	44 S	.44		98	.003							.003					
SND9062-1	S3QM	9.60	10.10	.50	0	65 N	94	51 S	.45		23	.001							.001					
SND9062-2	S3QM	30.00	31.00	1.00	0	65 N	94	51 S	.90		7													
SND9062-3	S2QM	31.00	31.60	.60	0	65 N	94	51 S	.54		1.500	.044							.044					
SND9062-4	P2QM	145.00	146.00	1.00	1	68 N	94	51 S	.87				.001		.001				.001					
SND9062-5	S4QM	146.00	146.50	.50	1	68 N	94	51 S	.44	.25						.001		.001	.001	1				
SND9062-6	F5QM	146.50	147.00	.50	1	68 N	94	51 S	.44							.005		.005	.005	1				
SND9062-7	GG	147.00	147.50	.50	1	68 N	94	51 S	.44							.293		.293	.293	1				
SND9062-8	S4QM	147.50	148.50	1.00	1	68 N	94	51 S	.87				.001		.001				.001	2	.066	6.56	2.26	2.00
SND9062-9	F3GD	156.00	156.50	.50	1	68 N	94	51 S	.44		48	.001							.001					
SND9062-10	F2GD	162.00	162.50	.50	1	68 N	94	51 S	.44		330	.010							.010					
SND9062-11	F2GD	164.15	164.65	.50	1	68 N	94	51 S	.44		12													
SND9062-12	F3GD	164.65	165.15	.50	1	68 N	94	51 S	.44		28	.001							.001					
SND9062-13	F3GD	165.40	165.90	.50	1	68 N	94	51 S	.44		33	.001							.001					
SND9062-14	F3GD	166.50	167.00	.50	1	68 N	94	51 S	.44		8													

SECTION 2340E

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND9030-1	P2QM	22.70	23.70	1.00	0	54 N	65	31 S	.97		5													
SND9030-2	P2QM	23.70	24.70	1.00	0	54 N	65	31 S	.97															
SND9030-3	F4QM	24.70	25.30	.60	0	54 N	65	31 S	.58	.26						.003		.003	.003	1				
SND9030-4	QV	25.30	25.85	.55	0	54 N	65	31 S	.53							.035		.035	.035	1				
SND9030-5	P2QM	25.85	27.10	1.25	0	54 N	65	31 S	1.21				.001		.001				.001	2	.010	6.56	.34	2.00
SND9030-6	P2QM	27.10	28.30	1.20	0	54 N	65	31 S	1.16	.17			.001		.001				.001	1				
SND9030-7	F4QM	28.30	28.80	.50	0	54 N	65	31 S	.48							.003		.003	.003	1				
SND9030-8	QV	28.80	29.30	.50	0	54 N	65	31 S	.48							.041		.041	.041	1				
SND9030-9	P2QM	29.30	30.20	.90	0	54 N	65	31 S	.87				.001		.001				.001	2	.011	6.56	.38	2.00
SND9030-10	P2QM	30.20	31.00	.80	0	54 N	65	31 S	.77				.001		.001				.001					
SND9030-11	F4QM	31.00	31.50	.50	0	54 N	65	31 S	.48							.003		.003	.003					
SND9030-12	P2QM	31.50	32.65	1.15	0	54 N	65	31 S	1.11				.001		.001				.001					
SND9030-13	F4QM	32.65	33.30	.65	0	54 N	65	31 S	.63							.006		.006	.006					
SND9030-14	P2QM	33.30	34.30	1.00	0	54 N	65	31 S	.97				.001		.001				.001					
SND9030-15	S2QM	34.30	35.05	.75	0	54 N	65	31 S	.73				.002		.002				.002					
SND9030-16	P2QM	35.05	35.85	.80	0	54 N	65	31 S	.77				.001		.001				.001					
SND9030-17	S3QM	35.85	36.50	.65	0	54 N	65	31 S	.63							.007		.007	.007					
SND9030-18	P3QM	36.50	37.50	1.00	0	54 N	65	31 S	.97				.001		.001	.006		.006	.006					
SND9030-19	FKQM	37.50	38.50	1.00	0	54 N	65	31 S	.97		13													
SND9030-20	S2QM	38.50	39.75	1.25	0	54 N	65	31 S	1.21				.002		.002				.002					
SND9030-21	S3QM	39.75	40.25	.50	0	54 N	65	31 S	.48															
SND9030-22	K1QM	40.25	41.30	1.05	0	54 N	65	31 S	1.02				.005		.005				.005					
SND9030-23	P2QM	41.30	42.30	1.00	0	54 N	65	31 S	.97		2													
SND9031-1	K4QM	31.40	32.40	1.00	0	90	76	37 S	.80		14													
SND9031-2	P2QM	32.40	33.40	1.00	0	90	76	37 S	.80				.001		.001				.001					
SND9031-3	F4QM	33.40	34.30	.90	0	90	76	37 S	.72							.004		.004	.004					
SND9031-4	S4QM	34.30	35.50	1.20	0	90	76	37 S	.96				.025		.025				.025					
SND9031-5	F5QM	35.50	36.50	1.00	0	90	76	37 S	.80							.003		.003	.003					
SND9031-6	S4QM	36.50	37.40	.90	0	90	76	37 S	.72				.001		.001				.001					
SND9031-7	P1QM	37.40	38.30	.90	0	90	76	37 S	.72				.001		.001				.001					
SND9031-8	F5QM	38.30	38.80	.50	0	90	76	37 S	.40							.001		.001	.001					
SND9031-9	F5QM	38.80	39.40	.60	0	90	76	37 S	.48							.001		.001	.001					
SND9031-10	S4QM	39.40	40.60	1.20	0	90	76	37 S	.96				.001		.001				.001					
SND9031-11	P2QM	40.60	41.80	1.20	0	90	76	37 S	.96				.001		.001				.001					
SND9031-12	F4QM	41.80	42.70	.90	0	90	76	37 S	.72							.034		.034	.034					
SND9031-13	F4QM	42.70	43.60	.90	0	90	76	37 S	.72	.56						.048		.048	.048	1				
SND9031-14	QV	43.60	44.10	.50	0	90	76	37 S	.40							.471		.471	.471	1				
SND9031-15	QV	44.10	44.60	.50	0	90	76	37 S	.40							.024		.024	.024	1				
SND9031-16	F4QM	44.60	45.40	.80	0	90	76	37 S	.64							.077		.077	.077	2	.137	6.56	4.70	2.00
SND9031-17	P2QM	45.40	46.25	.85	0	90	76	37 S	.68	.32			.010		.010				.010	1				
SND9031-18	F2QM	46.25	47.30	1.05	0	90	76	37 S	.84							.093		.093	.093	1				
SND9031-19	F2QM	47.30	48.35	1.05	0	90	76	37 S	.84							.110		.110	.110	2	.097	6.56	2.98	2.00
SND9031-20	P1QM	48.35	49.35	1.00	0	90	76	37 S	.80				.001		.001				.001					
SND9031-21	P1QM	49.35	50.35	1.00	0	90	76	37 S	.80		23	.001							.001					
SND9032-1	P1QM	24.60	25.60	1.00	0	90	85	39 S	.78		54	.002							.002					
SND9032-2	S2QM	25.60	26.15	.55	0	90	85	39 S	.43				.008		.008				.008					
SND9032-3	S2QM	26.15	26.70	.55	0	90	85	39 S	.43				.003		.003				.003					
SND9032-4	P1QM	26.70	27.80	1.10	0	90	85	39 S	.85		4													
SND9032-5	P2QM	63.65	64.65	1.00	0	90	85	39 S	.78		3													
SND9032-6	S3QM	64.65	65.15	.50	0	90	85	39 S	.39				.019		.019				.019					
SND9032-7	P2QM	65.15	66.20	1.05	0	90	85	39 S	.82		10													
SND9032-8	P2QM	82.40	83.40	1.00	0	90	85	39 S	.78		37	.001							.001					
SND9032-9	A2QM	83.40	84.40	1.00	0	90	85	39 S	.78				.003		.003				.003					
SND9032-10	QV	84.40	85.05	.65	0	90	85	39 S	.51							.011	.052	.032	.032	1				
SND9032-11	F5QM	85.05	86.30	1.25	0	90	85	39 S	.97							.019		.019	.019	1				

SECTION 2340E

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND9032-12	F5QM	86.30	87.40	1.10	0	90	85	39 S	.85	.52						.009		.009	.009	2	.020	6.56	.69	2.00
SND9032-13	P2QM	87.40	88.00	.60	0	90	85	39 S	.47				.001		.001				.001					
SND9032-14	S2QM	88.00	88.55	.55	0	90	85	39 S	.43				.001		.001				.001					
SND9032-15	P2QM	88.55	89.55	1.00	0	90	85	39 S	.78		12													
SND9033-1	A1QM	10.30	11.30	1.00	0	81	93	45 S	.81		4													
SND9033-2	K3QM	107.35	108.35	1.00	0	81	93	45 S	.81		2													
SND9033-3	K3QM	108.35	109.35	1.00	0	81	93	45 S	.81	.63			.001		.001				.001	1				
SND9033-4	F4QM	109.35	109.90	.55	0	81	93	45 S	.44							.041		.041	.041	1				
SND9033-5	QV	109.90	110.50	.60	0	81	93	45 S	.49							5.117		5.117	5.117	1				
SND9033-6	F5QM	110.50	111.05	.55	0	81	93	45 S	.44							.006		.006	.006	2	1.264	6.56	43.34	2.00
SND9033-7	F2QM	111.05	111.55	.50	0	81	93	45 S	.40				.001		.001				.001					
SND9033-8	P1QM	111.55	112.45	.90	0	81	93	45 S	.73		1													
SND9033-9	P1QM	112.45	113.35	.90	0	81	93	45 S	.73		15													
SND9033-10	F4QM	113.35	114.15	.80	0	81	93	45 S	.65				.001		.001				.001					
SND9033-11	P1QM	114.15	115.15	1.00	0	81	93	45 S	.81		2													
SND9033-12	QM	120.10	121.10	1.00	0	81	93	45 S	.81		1													
SND9033-13	F2QM	121.10	121.60	.50	0	81	93	45 S	.40				.006		.006				.006					
SND9033-14	QM	121.60	122.15	.55	0	81	93	45 S	.44		3													
SND9061-1	QM	23.10	24.10	1.00	0	63	92	46 S	.95				.001		.001				.001					
SND9061-2	F3QM	24.10	24.60	.50	0	63	92	46 S	.47							.017		.017	.017					
SND9061-3	F3QM	24.60	25.30	.70	0	63	92	46 S	.66							.005		.005	.005					
SND9061-4	QM	25.30	26.30	1.00	0	63	92	46 S	.95				.001		.001				.001					
SND9061-5	S1QM	45.20	46.20	1.00	2	61.5	92	46 S	.95		6													
SND9061-6	P1QM	46.20	46.70	.50	2	61.5	92	46 S	.48		2													
SND9061-7	P1QM	46.70	47.70	1.00	2	61.5	92	46 S	.95				.001		.001				.001					
SND9061-8	F4QM	47.70	48.35	.65	2	61.5	92	46 S	.62							.004		.004	.004					
SND9061-9	P1QM	48.35	49.25	.90	2	61.5	92	46 S	.86				.001		.001				.001					
SND9061-10	S3QM	49.25	49.95	.70	2	61.5	92	46 S	.67		3													
SND9061-11	K2QM	111.75	112.25	.50	6	61.5	92	46 S	.48		1													
SND9061-12	P2QM	159.05	160.05	1.00	3.5	62.5	92	46 S	.95				.001		.001				.001					
SND9061-13	F5QM	160.05	160.70	.65	3.5	62.5	92	46 S	.62							.025		.025	.025					
SND9061-14	S3QM	160.70	161.70	1.00	3.5	62.5	92	46 S	.95				.001		.001				.001					
SND9061-15	S3QM	161.70	162.70	1.00	3.5	62.5	92	46 S	.95		13													
SND9061-16	S3QM	162.70	163.70	1.00	3.5	62.5	92	46 S	.95				.001		.001				.001					
SND9061-17	F3QM	163.70	164.70	1.00	3.5	62.5	92	46 S	.95							.232		.232	.232	1				
SND9061-18	QV	164.70	165.35	.65	3.5	62.5	92	46 S	.62							1.178	2.403	1.791	1.791	1				
SND9061-19	S3QM	165.35	166.35	1.00	3.5	62.5	92	46 S	.95	.43			.001		.001				.001	2	.665	6.56	22.80	2.00
SND9061-20	S3QM	166.35	166.85	.50	3.5	62.5	92	46 S	.47		38	.001							.001					
SND9061-21	F2QM	166.85	167.35	.50	3.5	62.5	92	46 S	.47		66	.002							.002					
SND9061-22	F3QM	168.20	168.70	.50	3.5	62.5	92	46 S	.47		21	.001							.001					
SND9061-23	F3QM	169.40	169.90	.50	3.5	62.5	92	46 S	.47		41	.001							.001					
SND9061-24	S3QM	171.20	171.70	.50	3.5	62.5	92	46 S	.47	.16	130	.004							.004	1				
SND9061-25	P2QM	171.70	172.65	.95	3.5	62.5	92	46 S	.90				.001		.001				.001	1				
SND9061-26	F4QM	172.65	173.15	.50	3.5	62.5	92	46 S	.47							.262	.076	.169	.169	1				
SND9061-27	F4QM	173.15	173.65	.50	3.5	62.5	92	46 S	.47							.012		.012	.012	2	.043	6.56	1.47	2.00
SND9061-28	P2QM	173.65	174.65	1.00	3.5	62.5	92	46 S	.95				.001		.001				.001					
SND9061-29	K1QM	176.30	176.80	.50	3.5	62.5	92	46 S	.47		2													
SND9074-1	S3QM	28.20	29.20	1.00	357	75 N	92	43 S	.88		43	.001							.001					
SND9074-2	S3QM	47.30	47.80	.50	356.5	74.5 N	92	43 S	.44		9													
SND9074-3	S3QM	48.75	49.25	.50	356.5	74.5 N	92	43 S	.44		3													
SND9074-4	S3QM	51.70	52.30	.60	356.5	74.5 N	92	43 S	.53		31	.001							.001					
SND9074-5	S2QM	122.80	124.00	1.20	356.5	74.5 N	92	43 S	1.06		59	.002							.002					
SND9074-6	P1QM	174.50	175.50	1.00	356.5	74.5 N	92	43 S	.89				.001		.001				.001					
SND9074-7	F3QM	175.50	176.00	.50	356.5	74.5 N	92	43 S	.44							.024		.024	.024					

SECTION 2340E

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND9074-8	P1QM	176.00	177.00	1.00	356.5	74.5 N	92	43 S	.89				.001		.001				.001					
SND9074-9	P1QM	178.65	179.65	1.00	356.5	74.5 N	92	43 S	.89				.001		.001				.001					
SND9074-10	F3AP	179.65	180.25	.60	356.5	74.5 N	92	43 S	.53							.017		.017	.017					
SND9074-11	K1QM	180.25	181.25	1.00	356.5	74 N	92	43 S	.89				.001		.001				.001					
SND9074-12	P1QM	185.30	186.30	1.00	356.5	74 N	92	43 S	.89	.40			.001		.001				.001	1				
SND9074-13	QV	186.30	187.10	.80	356.5	74 N	92	43 S	.71							.244	.476	.360	.360	1				
SND9074-14	P1QM	187.10	188.10	1.00	356.5	74 N	92	43 S	.89				.001		.001				.001	2	.128	6.56	4.39	2.00
SND9074-15	S3QM	189.30	190.35	1.05	356.5	74 N	92	43 S	.93		6													
SND9074-16	S2QM	203.70	204.20	.50	356.5	74 N	92	43 S	.45		290	.008							.008					

SECTION 2405E (1990 VERSION) 2/18/91

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK MI CONV PPB	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV + ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET AVG	GM/T METRES
SND898-1	FKQM	6.10	7.10	1.00	0	45 N	64	26 S	.91			.001		.001				.001				
SND898-2	FKQM	7.10	8.10	1.00	0	45 N	64	26 S	.91			.001		.001				.001				
SND898-3	FKQM	8.10	8.60	.50	0	45 N	64	26 S	.46						.053		.053	.053				
SND898-4	FKQM	8.60	9.20	.60	0	45 N	64	26 S	.55						.038		.038	.038				
SND898-5	FKQM	9.20	10.20	1.00	0	45 N	64	26 S	.91			.003		.003				.003				
SND898-6	FKQM	10.20	10.70	.50	0	45 N	64	26 S	.46						.003		.003	.003				
SND898-7	FKQM	10.70	11.70	1.00	0	45 N	64	26 S	.91			.001		.001				.001				
SND898-8	FKQM	11.70	12.50	.80	0	45 N	64	26 S	.73						.003		.003	.003				
SND898-9	FKQM	12.50	13.50	1.00	0	45 N	64	26 S	.91			.001		.001				.001				
SND898-10	FKQM	13.50	14.50	1.00	0	45 N	64	26 S	.91						.015		.015	.015				
SND898-11	P3QM	14.50	15.50	1.00	0	45 N	64	26 S	.91			.001		.001				.001				
SND898-12	P3QM	15.50	16.50	1.00	0	45 N	64	26 S	.91			.001		.001				.001				
SND898-13	FKQM	16.50	17.25	.75	0	45 N	64	26 S	.69						.011		.011	.011				
SND898-14	P3QM	17.25	18.25	1.00	0	45 N	64	26 S	.91			.001		.001				.001				
							64	26														
SND898-15	P3QM	21.60	22.60	1.00	0	45 N	64	26 S	.91	.57		.001		.001				.001	1			
SND898-16	QV	22.60	23.17	.57	0	45 N	64	26 S	.52						1.174		1.174	1.174	1			
SND898-17	P3QM	23.17	24.17	1.00	0	45 N	64	26 S	.91			.001		.001				.001	2	.306	6.56	10.49	2.00
SND898-18	P3QM	24.17	25.25	1.08	0	45 N	64	26 S	.99			.001		.001				.001				
SND898-19	P3QM	25.25	26.25	1.00	0	45 N	64	26 S	.91			.001		.001				.001				
SND898-20	FKQM	26.25	26.55	.30	0	45 N	64	26 S	.27						.010		.010	.010				
SND898-21	P3QM	26.55	27.55	1.00	0	45 N	64	26 S	.91			.002		.002				.002				
SND898-22	P3QM	27.55	28.15	.60	0	45 N	64	26 S	.55						.002		.002	.002				
SND898-23	S3QM	28.15	28.50	.35	0	45 N	64	26 S	.32						.002		.002	.002				
SND898-24	S3QM	28.50	29.50	1.00	0	45 N	64	26 S	.91			.001		.001				.001				
SND898-25	S3QM	29.50	30.25	.75	0	45 N	64	26 S	.69			.027			.001		.001	.001				
SND898-26	FKQM	30.25	30.55	.30	0	45 N	64	26 S	.27						.001		.001	.001				
SND898-27	S3QM	30.55	31.05	.50	0	45 N	64	26 S	.46						.002		.002	.002				
SND898-28	S3QM	31.05	31.80	.75	0	45 N	64	26 S	.69						.005		.005	.005				
SND898-29	S3QM	31.80	32.60	.80	0	45 N	64	26 S	.73						.003		.003	.003				
SND898-30	S3QM	32.60	33.20	.60	0	45 N	64	26 S	.55						.003		.003	.003				
SND898-31	S3QM	33.20	34.20	1.00	0	45 N	64	26 S	.91			.002		.002				.002				
SND898-32	S3QM	34.20	34.65	.45	0	45 N	64	26 S	.41			.001		.001				.001				
SND898-33	S3QM	34.65	34.95	.30	0	45 N	64	26 S	.27						.001		.001	.001				
SND898-34	S3QM	34.95	35.95	1.00	0	45 N	64	26 S	.91			.001		.001				.001				
SND898-35	S3QM	35.95	36.25	.30	0	45 N	64	26 S	.27			.001		.001				.001				
SND898-36	S3QM	36.25	37.95	1.70	0	45 N	64	26 S	1.55			.001		.001				.001				
SND898-37	S3QM	37.95	38.40	.45	0	45 N	64	26 S	.41			.001		.001				.001				
SND899-1	S3QM	6.20	7.20	1.00	0	90 N	65	22 S	.93			.003		.003				.003				
SND899-2	S3QM	7.20	8.20	1.00	0	90 N	65	22 S	.93			.008		.008				.008				
SND899-3	S3QM	8.20	9.20	1.00	0	90 N	65	22 S	.93			.018		.018				.018				
SND899-4	S3QM	9.20	10.20	1.00	0	90 N	65	22 S	.93			.020		.020				.020				
SND899-5	S3QM	10.20	11.20	1.00	0	90 N	65	22 S	.93			.001		.001				.001				
SND899-6	S3QM	11.20	11.70	.50	0	90 N	65	22 S	.46						.003		.003	.003				
SND899-7	S3QM	11.70	12.70	1.00	0	90 N	65	22 S	.93			.002		.002				.002				
SND899-8	S3QM	12.70	13.70	1.00	0	90 N	65	22 S	.93			.047		.047				.047				
SND899-9	S3QM	13.70	14.70	1.00	0	90 N	65	22 S	.93			.001		.001				.001				
SND899-10	FKQM	14.70	15.25	.55	0	90 N	65	22 S	.51						.026		.026	.026	1			
SND899-11	S3QM	15.25	16.20	.95	0	90 N	65	22 S	.88			.005		.005				.005	1			
SND899-12	QV	16.20	16.65	.45	0	90 N	65	22 S	.42						.214		.214	.214	1			
SND899-13	S3QM	16.65	17.65	1.00	0	90 N	65	22 S	.93	.19		.003		.003				.003	2	.054	6.56	1.85	2.00
SND899-14	S3QM	17.65	18.65	1.00	0	90 N	65	22 S	.93			.001		.001				.001				
SND899-15	P2QM	18.65	19.65	1.00	0	90 N	65	22 S	.93			.001		.001				.001				
SND899-16	P2QM	19.65	20.65	1.00	0	90 N	65	22 S	.93			.001		.001				.001				
SND899-17	P2QM	20.65	21.65	1.00	0	90 N	65	22 S	.93			.001		.001				.001				

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SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK MI CONV PPB	OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV + ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T FEET	AVG GM/T METRES
SND899-18	P2QM	21.65	22.65	1.00	0	90 N	65	22 S	.93				.001		.001				.001			
SND899-19	P2QM	22.65	23.00	.35	0	90 N	65	22 S	.32							.001		.001	.001			
SND899-20	A2QM	23.00	23.30	.30	0	90 N	65	22 S	.28							.001		.001	.001			
SND899-21	GG	23.30	23.65	.35	0	90 N	65	22 S	.32							.347		.347	.347	1		
SND899-22	F3QM	23.65	24.50	.85	0	90 N	65	22 S	.79							.002		.002	.002	1		
SND899-23	F3QM	24.50	25.00	.50	0	90 N	65	22 S	.46							.180		.180	.180	1		
SND899-24	S3QM	25.00	25.75	.75	0	90 N	65	22 S	.70	.43			.001		.001				.001	2	.098	6.56	3.36	2.00
SND899-25	S3QM	25.75	26.50	.75	0	90 N	65	22 S	.70				.001		.001				.001			
SND899-26	F3QM	26.50	26.80	.30	0	90 N	65	22 S	.28							.001		.001	.001			
SND899-27	S3QM	26.80	27.55	.75	0	90 N	65	22 S	.70				.005		.005				.005			
SND899-28	S3QM	27.55	27.95	.40	0	90 N	65	22 S	.37							.004		.004	.004			
SND899-29	S3QM	27.95	28.65	.70	0	90 N	65	22 S	.65				.001		.001				.001			
SND899-30	FKQM	28.65	29.15	.50	0	90 N	65	22 S	.46							.042		.042	.042			
SND899-31	S3QM	29.15	30.40	1.25	0	90 N	65	22 S	1.16				.001		.001				.001			
SND899-32	F2QM	30.40	31.10	.70	0	90 N	65	22 S	.65							.066		.066	.066			
SND899-33	S3QM	31.10	31.70	.60	0	90 N	65	22 S	.56				.001		.001				.001			
SND899-34	FKQM	31.70	32.70	1.00	0	90 N	65	22 S	.93							.002		.002	.002			
SND899-35	S3QM	32.70	33.05	.35	0	90 N	65	22 S	.32							.001		.001	.001			
SND899-36	F2QM	33.05	33.50	.45	0	90 N	65	22 S	.42							.002		.002	.002			
SND899-37	S3QM	33.50	34.10	.60	0	90 N	65	22 S	.56							.007		.007	.007			
SND899-38	S3QM	34.10	34.70	.60	0	90 N	65	22 S	.56							.001		.001	.001			
SND899-39	F3QM	34.70	35.50	.80	0	90 N	65	22 S	.74							.003		.003	.003			
SND899-40	P2QM	35.50	36.50	1.00	0	90 N	65	22 S	.93				.005		.005				.005			
SND899-41	P2QM	36.50	37.50	1.00	0	90 N	65	22 S	.93				.001		.001				.001			
SND899-42	P2QM	41.70	42.70	1.00	0	90 N	65	22 S	.93				.001		.001				.001			
SND899-43	S1QM	42.70	43.00	.30	0	90 N	65	22 S	.28				.001		.001				.001			
SND899-44	P2QM	43.00	44.00	1.00	0	90 N	65	22 S	.93				.001		.001				.001			
SND8910-1	K2QM	25.82	26.82	1.00	0	90 N	64	22 S	.93				.001		.001				.001			
SND8910-2	S3QM	26.82	27.82	1.00	0	90 N	64	22 S	.93				.004		.004				.004			
SND8910-3	S3QM	27.82	28.82	1.00	0	90 N	64	22 S	.93				.001		.001				.001			
SND8910-4	S3QM	28.82	29.12	.30	0	90 N	64	22 S	.28							.001		.001	.001			
SND8910-5	GG	29.12	30.38	1.26	0	90 N	64	22 S	1.17							.028		.028	.028			
SND8910-6	S3AP	30.38	30.78	.40	0	90 N	64	22 S	.37							.001		.001	.001			
SND8910-7	S3QM	30.78	31.83	1.05	0	90 N	64	22 S	.97				.001		.001				.001			
SND8910-8	F2QM	31.83	32.13	.30	0	90 N	64	22 S	.28							.058		.058	.058			
SND8910-9	S3QM	32.13	32.75	.62	0	90 N	64	22 S	.57				.001		.001				.001			
SND8910-10	S3QM	32.75	33.75	1.00	0	90 N	64	22 S	.93				.001		.001				.001	1		
SND8910-11	F2QM	33.75	34.05	.30	0	90 N	64	22 S	.28							.074		.074	.074	1		
SND8910-12	P2QM	34.05	35.05	1.00	0	90 N	64	22 S	.93	.79			.001		.001				.001	2	.011	6.56	.38	2.00
SND8910-13	P2QM	35.05	36.05	1.00	0	90 N	64	22 S	.93				.001		.001				.001			
SND8910-14	P2QM	36.05	36.80	.75	0	90 N	64	22 S	.70							.001		.001	.001			
SND8910-15	F2QM	36.80	37.60	.80	0	90 N	64	22 S	.74							.002		.002	.002			
SND8910-16	P2QM	37.60	38.60	1.00	0	90 N	64	22 S	.93				.011		.011				.011			
SND8910-17	P2QM	38.60	38.90	.30	0	90 N	64	22 S	.28							.001		.001	.001			
SND8910-18	P2QM	38.90	39.90	1.00	0	90 N	64	22 S	.93				.001		.001				.001			
SND9034-1	S2QM	26.10	26.60	.50	0	60 N	64	27 S	.49		10											
SND9034-2	F2QM	29.20	29.70	.50	0	60 N	64	27 S	.49		5											
SND9034-3	S1QM	43.55	44.55	1.00	0	60 N	64	27 S	.98		8											
SND9034-4	S1QM	44.55	45.55	1.00	0	60 N	64	27 S	.98	.78			.001		.001				.001	1		
SND9034-5	F4QM	45.55	46.25	.70	0	60 N	64	27 S	.68							.105		.105	.105	1		
SND9034-6	S2QM	46.25	46.80	.55	0	60 N	64	27 S	.54				.001		.001				.001	2	.036	6.56	1.23	2.00
SND9034-7	F4QM	46.80	47.30	.50	0	60 N	64	27 S	.49							.004		.004	.004			
SND9034-8	S2QM	47.30	48.20	.90	0	60 N	64	27 S	.88				.001		.001				.001			

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SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV + ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND9034-9	S2QM	48.20	49.15	.95	0	60 N	64	27 S	.93		7													
SND9034-10	S2QM	49.15	50.15	1.00	0	60 N	64	27 S	.98				.001		.001				.001					
SND9034-11	F3QM	50.15	50.65	.50	0	60 N	64	27 S	.49							.038		.038	.038	1				
SND9034-12	F3QM	50.65	51.30	.65	0	60 N	64	27 S	.63							.078		.078	.078	1				
SND9034-13	S2QM	51.30	52.30	1.00	0	60 N	64	27 S	.98	.88			.001		.001				.001	2	.034	6.56	1.17	2.00
SND9034-14	P2QM	52.30	53.30	1.00	0	60 N	64	27 S	.98		6													
SND9034-15	S4QM	55.25	55.75	.50	0	60 N	64	27 S	.49		1													
SND9034-16	F3QM	61.75	62.25	.50	0	60 N	64	27 S	.49		220	.006							.006					
SND9070-1	A3QM	74.70	75.70	1.00	.5	64 N	80	34 S	.99				.001		.001				.001					
SND9070-2	QV	75.70	76.30	.60	.5	64 N	80	34 S	.59							.064		.064	.064	1				
SND9070-3	QV	76.30	76.90	.60	.5	64 N	80	34 S	.59							.048		.048	.048	1				
SND9070-4	S2QM	76.90	77.90	1.00	.5	64 N	80	34 S	.99	.82			.001		.001				.001	2	.033	6.56	1.13	2.00
SND9070-5	S2QM	77.90	78.90	1.00	.5	64 N	80	34 S	.99				.001		.001				.001					
SND9070-6	F3QM	78.90	79.65	.75	.5	64 N	80	34 S	.74							.012		.012	.012					
SND9070-7	P1QM	79.65	80.65	1.00	.5	64 N	80	34 S	.99				.001		.001				.001					
SND9070-8	FKQM	87.15	87.75	.60	.5	64 N	80	34 S	.59		32	.001							.001					
SND9070-9	P1QM	89.70	90.75	1.05	.5	64 N	80	34 S	1.04				.001		.001				.001					
SND9070-10	F3QM	90.75	91.40	.65	.5	64 N	80	34 S	.64							.146		.146	.146	1				
SND9070-11	F3QM	91.40	92.05	.65	.5	64 N	80	34 S	.64							.047		.047	.047	1				
SND9070-12	S2QM	92.05	93.05	1.00	.5	64 N	80	34 S	.99	.72			.002		.002				.002	2	.062	6.56	2.13	2.00
SND9070-13	FKQM	93.90	94.40	.50	.5	64 N	80	34 S	.49		590	.017							.017					
SND9070-14	S3QM	95.05	95.85	.80	.5	64 N	80	34 S	.79		380	.011							.011					
SND9071-1	P1QM	104.10	105.10	1.00	2.5	65 N	80	36 S	.98				.001		.001	.012		.012	.012	1				
SND9071-2	QV	105.10	105.80	.70	2.5	65 N	80	36 S	.68							.038		.038	.038	1				
SND9071-3	S4QM	105.80	106.50	.70	3	65 N	80	36 S	.68	.34			.001		.001				.001	2	.019	6.56	.65	2.00
SND9071-4	F3QM	106.50	107.00	.50	3	65 N	80	36 S	.49							.002		.002	.002					
SND9071-5	P1QM	107.00	108.00	1.00	3	65 N	80	36 S	.98				.001		.001				.001					
SND9071-6	P1QM	108.00	109.00	1.00	3.5	65 N	80	36 S	.97				.001		.001				.001					
SND9071-7	F4QM	109.00	109.60	.60	3.5	65.5 N	80	36 S	.58							.001		.001	.001					
SND9071-8	P2QM	109.60	110.60	1.00	4	65.5 N	80	36 S	.97				.001		.001				.001					
SND9071-9	S1QM	114.65	115.65	1.00	4	65.5 N	80	36 S	.97				.003		.003				.003					
SND9071-10	F3QM	115.65	116.15	.50	4.5	65.5 N	80	36 S	.49							.009		.009	.009					
SND9071-11	F2QM	116.15	117.15	1.00	4.5	65.5 N	80	36 S	.97				.001		.001				.001					
SND9071-12	P1QM	118.85	119.85	1.00	4.5	65.5 N	80	36 S	.97				.001		.001				.001					
SND9071-13	FKQM	119.85	120.35	.50	4.5	65.5 N	80	36 S	.49							.012		.012	.012					
SND9071-14	P1QM	120.35	121.35	1.00	4.5	65.5 N	80	36 S	.97				.001		.001				.001					
SND9071-15	P1QM	126.00	127.00	1.00	4.5	65.5 N	80	36 S	.97				.001		.001				.001					
SND9071-16	F4QM	127.00	127.85	.85	4.5	65.5 N	80	36 S	.83							.037		.037	.037					
SND9071-17	P1QM	127.85	128.85	1.00	4.5	65.5 N	80	36 S	.97				.001		.001				.001					
SND9071-18	F2QM	133.95	134.45	.50	4.5	65.5 N	80	36 S	.49		12													
SND9071-19	P1QM	134.45	135.50	1.05	4.5	65.5 N	80	36 S	1.02				.001		.001				.001					
SND9071-20	F4QM	135.50	136.00	.50	4.5	65.5 N	80	36 S	.49	.44						.034		.034	.034	1				
SND9071-21	P1QM	136.00	137.10	1.10	4.5	65.5 N	80	36 S	1.07				.001		.001				.001	1				
SND9071-22	QV	137.10	137.60	.50	4.5	65.5 N	80	36 S	.49							.733	.384	.559	.559	2	.145	6.56	4.97	2.00
SND9071-23	P1QM	137.60	138.10	.50	4.5	65.5 N	80	36 S	.49				.001		.001				.001					
SND9071-24	FKQM	138.10	138.85	.75	4.5	65.5 N	80	36 S	.73							.066		.066	.066					
SND9071-25	P1QM	138.85	139.85	1.00	4.5	65.5 N	80	36 S	.97				.001		.001				.001					

SECTION 2440E

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND9035-1	P2QM	5.50	6.50	1.00	0	45 N	71	26 S	.93		1													
SND9035-2	P2QM	6.50	7.50	1.00	0	45 N	71	26 S	.93	.06			.001		.001				.001	1				
SND9035-3	F2QM	7.50	8.00	.50	0	45 N	71	26 S	.46							.023		.023	.023	1				
SND9035-4	P2QM	8.00	9.10	1.10	0	45 N	71	26 S	1.02				.001		.001				.001	1				
SND9035-5	F2QM	9.10	9.60	.50	0	45 N	71	26 S	.46							.002		.002	.002	2	.006	6.56	.21	2.00
SND9035-6	P2QM	9.60	10.60	1.00	0	45 N	71	26 S	.93				.001		.001				.001					
SND9035-7	P2QM	10.60	11.60	1.00	0	45 N	71	26 S	.93		6													
SND9035-8	S1QM	13.85	15.00	1.15	0	45 N	71	26 S	1.07		16													
SND9035-9	S1QM	15.00	16.00	1.00	0	45 N	71	26 S	.93	.60			.001		.001				.001					
SND9035-10	QV	16.00	16.50	.50	0	45 N	71	26 S	.46							.445		.445	.445	1				
SND9035-11	P1QM	16.50	17.50	1.00	0	45 N	71	26 S	.93				.011		.011				.011	1				
SND9035-12	P1QM	17.50	18.40	.90	0	45 N	71	26 S	.84	.61	154	.004							.004	2	.109	6.56	3.74	2.00
SND9035-13	S3QM	18.40	18.90	.50	0	45 N	71	26 S	.46		420	.012							.012					
SND9035-14	S3QM	20.50	21.10	.60	0	45 N	71	26 S	.56		380	.011							.011					
SND9035-15	S3QM	21.10	21.90	.80	0	45 N	71	26 S	.74		112	.003							.003					
SND9035-16	S3QM	21.90	22.90	1.00	0	45 N	71	26 S	.93		30	.001							.001					
SND9035-17	S3QM	22.90	23.90	1.00	0	45 N	71	26 S	.93				.004		.004				.004					
SND9035-18	F2QM	23.90	24.40	.50	0	45 N	71	26 S	.46							.031		.031	.031					
SND9035-19	S2QM	24.40	25.60	1.20	0	45 N	71	26 S	1.11				.001		.001				.001					
SND9035-20	P1QM	25.60	26.60	1.00	0	45 N	71	26 S	.93	.52	39	.001							.001	1				
SND9035-21	S2QM	26.60	27.10	.50	0	45 N	71	26 S	.46		164	.005							.005	1				
SND9035-22	P1QM	27.10	27.70	.60	0	45 N	71	26 S	.56		10									1				
SND9035-23	F2QM	27.70	28.20	.50	0	45 N	71	26 S	.46		145	.004							.004	2	.002	6.56	.07	2.00
SND9036-1	FKQM	6.95	7.95	1.00	0	90 N	76	28 S	.88		410	.012							.012					
SND9036-2	P2QM	7.95	8.95	1.00	0	90 N	76	28 S	.88	.19			.004		.004				.004	1				
SND9036-3	F3QM	8.95	9.45	.50	0	90 N	76	28 S	.44							.325		.325	.325	1				
SND9036-4	P2QM	9.45	10.50	1.05	0	90 N	76	28 S	.93				.001		.001				.001	1				
SND9036-5	F2QM	10.50	11.00	.50	0	90 N	76	28 S	.44							.022		.022	.022	2	.077	6.56	2.64	2.00
SND9036-6	P1QM	11.00	12.00	1.00	0	90 N	76	28 S	.88				.001		.001				.001					
SND9036-7	P1QM	12.00	13.00	1.00	0	90 N	76	28 S	.88		52	.002							.002					
SND9036-8	P2QM	18.00	19.00	1.00	0	90 N	76	28 S	.88		3													
SND9036-9	P2QM	19.00	20.05	1.05	0	90 N	76	28 S	.93				.001		.001				.001					
SND9036-10	F1QM	20.05	20.60	.55	0	90 N	76	28 S	.49							.009		.009	.009					
SND9036-11	S2QM	20.60	21.60	1.00	0	90 N	76	28 S	.88	.11			.001		.001				.001	1				
SND9036-12	F2QM	21.60	22.50	.90	0	90 N	76	28 S	.79							.001		.001	.001	1				
SND9036-13	F5QM	22.50	23.00	.50	0	90 N	76	28 S	.44							.147		.147	.147	1				
SND9036-14	F2QM	23.00	23.75	.75	0	90 N	76	28 S	.66				.012		.012				.012	2	.037	6.56	1.27	2.00
SND9036-15	F2QM	23.75	24.50	.75	0	90 N	76	28 S	.66				.001		.001				.001					
SND9036-16	S2QM	24.50	25.50	1.00	0	90 N	76	28 S	.88		97	.003							.003					
SND9036-17	S2QM	30.50	31.50	1.00	0	90 N	76	28 S	.88		22	.001							.001					
SND9036-18	P1QM	36.90	37.90	1.00	0	90 N	76	28 S	.88		72	.002							.002					
SND9036-19	P1QM	37.90	38.90	1.00	0	90 N	76	28 S	.88	.68			.001		.001				.001	1				
SND9036-20	F3QM	38.90	39.40	.50	0	90 N	76	28 S	.44							.019		.019	.019	1				
SND9036-21	P1QM	39.40	40.40	1.00	0	90 N	76	28 S	.88				.004		.004				.004	2	.006	6.56	.21	2.00
SND9036-22	P1QM	40.40	41.40	1.00	0	90 N	76	28 S	.88		26	.001							.001					
SND9037-1	S2QM	3.50	4.00	.50	0	90 N	72	20 S	.47		12													
SND9037-2	P1QM	15.60	16.60	1.00	0	90 N	72	20 S	.94		7													
SND9037-3	P1QM	16.60	17.60	1.00	0	90 N	72	20 S	.94				.001		.001				.001					
SND9037-4	F2QM	17.60	18.10	.50	0	90 N	72	20 S	.47							.011		.011	.011					
SND9037-5	A1QM	18.10	19.10	1.00	0	90 N	72	20 S	.94				.001		.001				.001					
SND9037-6	P2QM	19.10	20.10	1.00	0	90 N	72	20 S	.94		1													
SND9037-7	P2QM	25.60	26.60	1.00	0	90 N	72	20 S	.94		2													
SND9037-8	P2QM	26.60	27.60	1.00	0	90 N	72	20 S	.94				.002		.002				.002					
SND9037-9	F2QM	27.60	28.10	.50	0	90 N	72	20 S	.47							.032		.032	.032					
SND9037-10	P2QM	28.10	29.10	1.00	0	90 N	72	20 S	.94				.001		.001				.001					

A

SECTION 2440E

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND9037-11	P2QM	29.10	30.10	1.00	0	90 N	72	20 S	.94		15													
SND9037-12	P2QM	30.10	31.10	1.00	0	90 N	72	20 S	.94		58	.002							.002					
SND9037-13	P2QM	32.80	33.80	1.00	0	90 N	72	20 S	.94		3.460	.101							.101	1				
SND9037-14	P2QM	33.80	34.80	1.00	0	90 N	72	20 S	.94				.083		.083				.083	1				
SND9037-15	F3QM	34.80	35.30	.50	0	90 N	72	20 S	.47	.12						.084		.084	.084	2	.091	6.56	3.12	2.00
SND9037-16	P2QM	35.30	35.80	.50	0	90 N	72	20 S	.47				.001		.001				.001					
SND9037-17	F2QM	35.80	36.50	.70	0	90 N	72	20 S	.66							.082		.082	.082					
SND9037-18	P2QM	36.50	37.10	.60	0	90 N	72	20 S	.56				.006		.006				.006					
SND9037-19	F2QM	37.10	37.70	.60	0	90 N	72	20 S	.56							.001		.001	.001					
SND9037-20	GG	37.70	38.50	.80	0	90 N	72	20 S	.75				.001		.001				.001					
SND9037-21	S3QM	38.50	39.70	1.20	0	90 N	72	20 S	1.13		29	.001							.001					
SND9037-33	P3QM	41.50	42.50	1.00	0	90 N	72	20 S	.94		41													
SND9037-22	S2QM	42.50	43.50	1.00	0	90 N	72	20 S	.94				.003		.003				.003					
SND9037-23	F3QM	43.50	44.50	1.00	0	90 N	72	20 S	.94							.006		.006	.006	1				
SND9037-24	QV	44.50	45.00	.50	0	90 N	72	20 S	.47							1.523		1.523	1.523	1				
SND9037-25	P2QM	45.00	46.00	1.00	0	90 N	72	20 S	.94	.59			.001		.001				.001	2	.361	6.56	12.38	2.00
SND9037-26	P2QM	46.00	47.00	1.00	0	90 N	72	20 S	.94		6													
SND9037-27	F2QM	47.00	47.90	.90	0	90 N	72	20 S	.85				.001		.001				.001					
SND9037-28	F4QM	47.90	48.40	.50	0	90 N	72	20 S	.47							.026		.026	.026					
SND9037-29	P2QM	48.40	49.90	1.50	0	90 N	72	20 S	1.41	.59			.001		.001				.001	1				
SND9037-30	QV	49.90	50.40	.50	0	90 N	72	20 S	.47							.052		.052	.052	1				
SND9037-31	P2QM	50.40	51.40	1.00	0	90 N	72	20 S	.94				.001		.001				.001	2	.013	6.56	.45	2.00
SND9037-32	P2QM	51.40	52.40	1.00	0	90 N	72	20 S	.94		4													
SND9038-1	P2QM	16.75	17.75	1.00	0	85 N	70	24 S	.94		1													
SND9038-2	P2QM	17.75	18.75	1.00	0	85 N	70	24 S	.94	.21			.001		.001				.001	1				
SND9038-3	F3QM	18.75	19.65	.90	0	85 N	70	24 S	.85							.111		.111	.111	1				
SND9038-4	P2QM	19.65	20.65	1.00	0	85 N	70	24 S	.94				.001		.001				.001	2	.048	6.56	1.65	2.00
SND9038-5	P2QM	20.65	21.65	1.00	0	85 N	70	24 S	.94		1													
SND9038-6	P2QM	32.25	33.25	1.00	0	85 N	70	24 S	.94		12													
SND9038-7	P2QM	33.25	34.25	1.00	0	85 N	70	24 S	.94	.59			.001		.001				.001	1				
SND9038-8	F4QM	34.25	34.75	.50	0	85 N	70	24 S	.47							.108		.108	.108	1				
SND9038-9	P2QM	34.75	35.75	1.00	0	85 N	70	24 S	.94				.001		.001				.001	2	.026	6.56	.89	2.00
SND9038-10	P2QM	35.75	36.75	1.00	0	85 N	70	24 S	.94		1													
SND9038-11	S4QM	39.85	40.35	.50	0	85 N	70	24 S	.47		44	.001							.001					
SND9038-12	S2QM	45.50	46.00	.50	0	85 N	70	24 S	.47		5													
SND9038-13	K1QM	55.10	56.20	1.10	0	85 N	70	24 S	1.04		6													
SND9038-14	K1QM	56.20	57.20	1.00	0	85 N	70	24 S	.94				.001		.001				.001					
SND9038-15	F2QM	57.20	57.70	.50	0	85 N	70	24 S	.47	.12						.004		.004	.004	1				
SND9038-16	K1QM	57.70	58.20	.50	0	85 N	70	24 S	.47				.001		.001				.001	1				
SND9038-17	F3QM	58.20	58.70	.50	0	85 N	70	24 S	.47							.002		.002	.002	1				
SND9038-18	A2QM	58.70	59.70	1.00	0	85 N	70	24 S	.94				.002		.002				.002	2	.002	6.56	.07	2.00
SND9038-19	P4AD	66.25	67.25	1.00	0	85 N	70	24 S	.94				.001		.001				.001					
SND9038-20	F4QM	67.25	68.15	.90	0	85 N	70	24 S	.85							.006		.006	.006	1				
SND9038-21	F4QM	68.15	69.05	.90	0	85 N	70	24 S	.85							.017		.017	.017	1				
SND9038-22	GG	69.05	70.05	1.00	0	85 N	70	24 S	.94	.30			.001		.001				.001	2	.010	6.56	.34	2.00
SND9038-23	A2BR	70.05	71.05	1.00	0	85 N	70	24 S	.94		18	.001							.001					
SND9038-24	X2GG	75.60	76.10	.50	0	85 N	70	24 S	.47		15													

SECTION 2490E

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND9039-1	P10M	18.90	19.40	.50	0	46 N	63	27 S	.46		14													
SND9039-2	P10M	19.40	20.30	.90	0	46 N	63	27 S	.83		1													
SND9039-3	P10M	20.30	21.30	1.00	0	46 N	63	27 S	.92		1													
SND9039-4	P10M	21.30	22.30	1.00	0	46 N	63	27 S	.92	.25			.001		.001				.001	1				
SND9039-5	F40M	22.30	22.80	.50	0	46 N	63	27 S	.46							.006		.006	.006	1				
SND9039-6	P10M	22.80	24.20	1.40	0	46 N	63	27 S	1.29				.001		.001				.001	2	.002	6.56	.07	2.00
SND9039-7	F30M	24.20	24.85	.65	0	46 N	63	27 S	.60	.48						.003		.003	.003	1				
SND9039-8	F30M	24.85	25.50	.65	0	46 N	63	27 S	.60							.006		.006	.006	1				
SND9039-9	P20M	25.50	26.50	1.00	0	46 N	63	27 S	.92				.001		.001				.001	2	.003	6.56	.10	2.00
SND9039-10	P20M	26.50	27.50	1.00	0	46 N	63	27 S	.92		65	.002							.002					
SND9039-11	P20M	27.50	28.60	1.10	0	46 N	63	27 S	1.01				.001		.001				.001	1				
SND9039-12	GG	28.60	29.10	.50	0	46 N	63	27 S	.46							.037		.037	.037	1	.009	6.56	.31	2.00
SND9039-13	P20M	29.10	29.60	.50	0	46 N	63	27 S	.46				.001		.001				.001	2	.010	6.33	.34	1.93
SND9039-14	S40M	29.60	30.10	.50	0	46 N	63	27 S	.46							.001		.001	.001					
SND9039-15	P20M	30.10	31.10	1.00	0	46 N	63	27 S	.92				.001		.001				.001					
SND9039-16	S30M	31.10	32.10	1.00	0	46 N	63	27 S	.92		57	.002							.002					
SND9039-17	P10M	32.10	33.50	1.40	0	46 N	63	27 S	1.29		7													
SND9039-18	P10M	33.50	34.90	1.40	0	46 N	63	27 S	1.29	.62			.001		.001				.001	1				
SND9039-19	F40M	34.90	35.40	.50	0	46 N	63	27 S	.46							.221		.221	.221	1				
SND9039-20	P10M	35.40	36.40	1.00	0	46 N	63	27 S	.92				.001		.001				.001	2	.052	6.56	1.78	2.00
SND9039-21	P10M	36.40	37.40	1.00	0	46 N	63	27 S	.92		3													
SND9039-24	F20M	38.40	38.90	.50	0	46 N	63	27 S	.46		370	.011							.011					
SND9039-22	F20M	40.40	40.90	.50	0	46 N	63	27 S	.46		13													
SND9039-23	F30M	44.50	45.00	.50	0	46 N	63	27 S	.46		67	.002							.002					
SND9040-1	P20M	28.30	29.30	1.00	0	66 N	65	21 S	.98	.53	3									1				
SND9040-2	P20M	29.30	30.30	1.00	0	66 N	65	21 S	.98				.001		.001				.001	1				
SND9040-3	F30M	30.30	30.80	.50	0	66 N	65	21 S	.49							.018		.018	.018	2	.005	6.56	.17	2.00
SND9040-4	P20M	30.80	31.50	.70	0	66 N	65	21 S	.69				.001		.001				.001					
SND9040-5	F20M	31.50	32.65	1.15	0	66 N	65	21 S	1.13							.042		.042	.042					
SND9040-6	P20M	32.65	33.85	1.20	0	66 N	65	21 S	1.18				.001		.001				.001					
SND9040-7	P20M	33.85	35.15	1.30	0	66 N	65	21 S	1.28		1													
SND9040-8	P20M	35.15	36.45	1.30	0	66 N	65	21 S	1.28				.001		.001				.001					
SND9040-9	F30M	36.45	36.95	.50	0	66 N	65	21 S	.49							.520		.520	.520	1				
SND9040-10	A20M	36.95	38.20	1.25	0	66 N	65	21 S	1.23				.004		.004				.004	1				
SND9040-11	F30M	38.20	38.70	.50	0	66 N	65	21 S	.49	.28						.012		.012	.012	2	.132	6.56	4.53	2.00
SND9040-12	A20M	38.70	39.30	.60	0	66 N	65	21 S	.59				.001		.001				.001					
SND9040-13	S40M	39.30	39.80	.50	0	66 N	65	21 S	.49							.015		.015	.015					
SND9040-14	F40M	39.80	40.30	.50	0	66 N	65	21 S	.49	.23						.010		.010	.010	1				
SND9040-15	P10M	40.30	40.80	.50	0	66 N	65	21 S	.49				.001		.001				.001	1				
SND9040-16	F40M	40.80	41.30	.50	0	66 N	65	21 S	.49							.036		.036	.036	1				
SND9040-17	P10M	41.30	42.10	.80	0	66 N	65	21 S	.79				.001		.001				.001	2	.011	6.56	.38	2.00
SND9040-18	F20M	42.10	42.60	.50	0	66 N	65	21 S	.49	.43						.012		.012	.012	1				
SND9040-19	P10M	42.60	43.60	1.00	0	66 N	65	21 S	.98				.001		.001				.001	1				
SND9040-20	F40M	43.60	44.20	.60	0	66 N	65	21 S	.59							.117		.117	.117	2	.038	6.56	1.30	2.00
SND9040-21	P10M	44.20	45.40	1.20	0	66 N	65	21 S	1.18				.001		.001				.001					
SND9040-22	S10M	45.40	46.60	1.20	0	66 N	65	21 S	1.18				.001		.001				.001					
SND9040-23	F40M	46.60	47.10	.50	0	66 N	65	21 S	.49							.095		.095	.095					
SND9040-24	S10M	47.10	48.30	1.20	0	66 N	65	21 S	1.18	.32			.001		.001				.001	1				
SND9040-25	F40M	48.30	49.10	.80	0	66 N	65	21 S	.79							.112		.112	.112	1				
SND9040-26	S10M	49.10	50.00	.90	0	66 N	65	21 S	.89				.003		.003				.003	2	.046	6.56	1.58	2.00
SND9040-27	P10M	50.00	51.00	1.00	0	66 N	65	21 S	.98		13													
SND9040-28	P10M	52.80	53.80	1.00	0	66 N	65	21 S	.98		4													
SND9040-29	P10M	53.80	54.80	1.00	0	66 N	65	21 S	.98				.001		.001				.001					
SND9040-30	S30M	54.80	55.30	.50	0	66 N	65	21 S	.49							.008		.008	.008					
SND9040-31	K10M	55.30	56.30	1.00	0	66 N	65	21 S	.98				.001		.001				.001					
SND9040-32	P10M	56.30	57.50	1.20	0	66 N	65	21 S	1.18		4													

SECTION 2490E

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND9040-33	F3QM	57.50	58.00	.50	0	66 N	65	21 S	.49		1,570	.046							.046					
SND9041-1	P1QM	13.80	14.80	1.00	0	75 N	83	19 S	1.00		2													
SND9041-2	P1QM	14.80	15.80	1.00	0	75 N	83	19 S	1.00				.001		.001				.001					
SND9041-3	S1QM	15.80	16.30	.50	0	75 N	83	19 S	.50							.057		.057	.057					
SND9041-4	P1QM	16.30	17.30	1.00	0	75 N	83	19 S	1.00				.020		.020				.020					
SND9041-5	P1QM	17.30	18.30	1.00	0	75 N	83	19 S	1.00		13													
SND9041-6	P2QM	31.70	32.70	1.00	0	74 N	83	19 S	1.00		7													
SND9041-7	P2QM	32.70	33.70	1.00	0	74 N	83	19 S	1.00				.001		.001				.001					
SND9041-8	F1QM	33.70	34.40	.70	0	74 N	83	19 S	.70							.002		.002	.002	1				
SND9041-9	P2QM	34.40	35.40	1.00	0	74 N	83	19 S	1.00				.002		.002				.002	1				
SND9041-10	P2QM	35.40	36.25	.85	0	74 N	83	19 S	.85	.30	4									2	.002	6.56	.07	2.00
SND9041-11	P2QM	36.25	37.10	.85	0	74 N	83	19 S	.85		87	.003							.003					
SND9041-12	P2QM	37.10	38.10	1.00	0	74 N	83	19 S	1.00				.001		.001				.001					
SND9041-13	F1QM	38.10	38.70	.60	0	74 N	83	19 S	.60							.004		.004	.004					
SND9041-14	P2QM	38.70	39.70	1.00	0	74 N	83	19 S	1.00				.001		.001				.001					
SND9041-15	P2QM	39.70	40.80	1.10	0	74 N	83	19 S	1.10		44	.001							.001					
SND9041-16	P2QM	40.80	42.00	1.20	0	74 N	83	19 S	1.20		5													
SND9041-17	P2QM	42.00	43.15	1.15	0	74 N	83	19 S	1.15				.001		.001				.001					
SND9041-18	F3QM	43.15	43.65	.50	0	74 N	83	19 S	.50							.005		.005	.005					
SND9041-19	P2QM	43.65	44.15	.50	0	74 N	83	19 S	.50				.001		.001				.001	1				
SND9041-20	F4QM	44.15	44.65	.50	0	74 N	83	19 S	.50							.130		.130	.130	1				
SND9041-21	P2QM	44.65	45.65	1.00	0	74 N	83	19 S	1.00				.001		.001				.001	2	.033	6.56	1.13	2.00
SND9041-22	P2QM	45.65	46.80	1.15	0	74 N	83	19 S	1.15		2													
SND9041-23	P2QM	46.80	47.80	1.00	0	74 N	83	19 S	1.00				.001		.001				.001	1				
SND9041-24	F3QM	47.80	48.80	1.00	0	74 N	83	19 S	1.00							.114		.114	.114	2	.058	6.56	1.99	2.00
SND9041-25	P2QM	48.80	49.80	1.00	0	74 N	83	19 S	1.00				.001		.001				.001					
SND9041-26	P2QM	49.80	50.80	1.00	0	74 N	83	19 S	1.00		5													
SND9041-27	P2QM	50.80	51.80	1.00	0	74 N	83	19 S	1.00		4													
SND9041-28	GG	51.80	52.30	.50	0	74 N	83	19 S	.50		106	.003							.003					
SND9041-29	P2QM	55.75	56.75	1.00	0	74 N	83	19 S	1.00		17													
SND9041-30	P2QM	56.75	57.75	1.00	0	74 N	83	19 S	1.00	.50			.001		.001				.001	1				
SND9041-31	QV	57.75	58.25	.50	0	74 N	83	19 S	.50							.031		.031	.031	1				
SND9041-32	P2QM	58.25	59.25	1.00	0	74 N	83	19 S	1.00				.001		.001				.001	2	.009	6.56	.31	2.00
SND9041-33	P2QM	59.25	60.25	1.00	0	74 N	83	19 S	1.00		11													
SND9041-34	F3QM	65.50	66.00	.50	0	74 N	83	19 S	.50		84	.002							.002					

SECTION 2540E

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND9042-1	P10M	13.60	14.60	1.00	0	47 N	70	26 S	.94		25	.001							.001					
SND9042-2	S20M	14.60	15.60	1.00	0	47 N	70	26 S	.94	.40			.001		.001				.001	1				
SND9042-3	F30M	15.60	16.45	.85	0	47 N	70	26 S	.80							.062		.062	.062	1				
SND9042-4	F30M	16.45	17.30	.85	0	47 N	70	26 S	.80							.005		.005	.005	2	.027	6.56	.93	2.00
SND9042-5	P20M	17.30	18.30	1.00	0	47 N	70	26 S	.94				.001		.001				.001					
SND9042-6	P20M	18.30	19.30	1.00	0	47 N	70	26 S	.94		3													
SND9042-7	P20M	27.60	28.60	1.00	0	47 N	70	26 S	.94		7													
SND9042-8	P20M	28.60	29.50	.90	0	47 N	70	26 S	.84	.22			.001		.001				.001	1				
SND9042-9	F40M	29.50	30.00	.50	0	47 N	70	26 S	.47							.287		.287	.287	1				
SND9042-10	P20M	30.00	31.40	1.40	0	47 N	70	26 S	1.31				.001		.001				.001	2	.068	6.56	2.33	2.00
SND9042-11	P20M	31.40	32.70	1.30	0	47 N	70	26 S	1.22				.001		.001				.001					
SND9042-12	F40M	32.70	33.20	.50	0	47 N	70	26 S	.47							.009		.009	.009	1				
SND9042-13	P20M	33.20	33.80	.60	0	47 N	70	26 S	.56				.001		.001				.001	1				
SND9042-14	F30M	33.80	34.30	.50	0	47 N	70	26 S	.47							.135		.135	.135	1				
SND9042-15	P20M	34.30	35.55	1.25	0	47 N	70	26 S	1.17	.50			.001		.001				.001	2	.034	6.56	1.17	2.00
SND9042-16	P20M	35.55	36.80	1.25	0	47 N	70	26 S	1.17				.001		.001				.001					
SND9042-17	S40M	36.80	37.70	.90	0	47 N	70	26 S	.84							.021		.021	.021					
SND9042-18	K10M	37.70	38.70	1.00	0	47 N	70	26 S	.94				.001		.001				.001					
SND9042-19	P20M	38.70	39.70	1.00	0	47 N	70	26 S	.94		1													
SND9042-20	P20M	42.00	43.00	1.00	0	47 N	70	26 S	.94		3													
SND9042-21	P20M	43.00	44.00	1.00	0	47 N	70	26 S	.94	.59			.001		.001				.001	1				
SND9042-22	F40M	44.00	44.50	.50	0	47 N	70	26 S	.47							.032		.032	.032	1				
SND9042-23	P20M	44.50	45.50	1.00	0	47 N	70	26 S	.94				.001		.001				.001	2	.008	6.56	.27	2.00
SND9042-24	P20M	45.50	46.50	1.00	0	47 N	70	26 S	.94		3													
SND9043-1	F30M	6.00	6.50	.50	0	80 N	65	26 S	.48		167	.005							.005					
SND9043-2	S30M	20.00	21.00	1.00	0	80 N	65	26 S	.95				.001		.001				.001					
SND9043-3	X50M	21.00	21.50	.50	0	80 N	65	26 S	.48							.010		.010	.010					
SND9043-4	S40M	21.50	22.20	.70	0	80 N	65	26 S	.67				.002		.002				.002					
SND9043-5	F40M	22.20	23.04	.84	0	80 N	65	26 S	.80							.065		.065	.065	1				
SND9043-6	F40M	23.04	23.50	.46	0	80 N	65	26 S	.44				.001		.001				.001	1				
SND9043-7	F40M	23.50	24.80	1.30	0	80 N	65	26 S	1.24	.76						.023		.023	.023	2	.035	6.56	1.20	2.00
SND9043-8	S5GG	24.80	25.80	1.00	0	80 N	65	26 S	.95				.001		.001				.001					
SND9043-9	F30M	27.50	28.00	.50	0	80 N	65	26 S	.48		12													
SND9043-10	F20M	30.50	31.53	1.03	0	80 N	65	26 S	.98		57	.002							.002					
SND9043-11	F30M	31.53	32.13	.60	0	80 N	65	26 S	.57				.060		.060				.060					
SND9043-12	S20M	32.13	33.60	1.47	0	80 N	65	26 S	1.40		8													
SND9043-13	F30M	33.60	34.10	.50	0	80 N	65	26 S	.48		6													
SND9043-14	F30M	35.60	36.10	.50	0	80 N	65	26 S	.48		35	.001							.001					
SND9043-15	S30M	36.90	37.90	1.00	0	80 N	65	26 S	.95				.001		.001				.001	1				
SND9043-16	F30M	37.90	38.40	.50	0	80 N	65	26 S	.48							.278		.278	.278	1				
SND9043-17	S20M	38.40	39.40	1.00	0	80 N	65	26 S	.95	.57			.001		.001				.001	2	.067	6.56	2.30	2.00
SND9043-18	S40M	44.51	45.51	1.00	0	80 N	65	26 S	.95	.49			.001		.001				.001	1				
SND9043-19	F50M	45.51	46.10	.59	0	80 N	65	26 S	.56							.101	.091	.096	.096	1				
SND9043-20	S30M	46.10	47.10	1.00	0	80 N	65	26 S	.95				.001		.001				.001	2	.028	6.56	.96	2.00
SND9043-21	F30M	49.30	49.80	.50	0	80 N	65	26 S	.48		10													
SND9043-22	F30M	49.80	50.50	.70	0	80 N	65	26 S	.67		37	.001							.001					
SND9044-1	F4GG	34.90	35.40	.50	0	86 N	65	22 S	.47		136	.004							.004					
SND9044-2	P40M	35.40	36.00	.60	0	86 N	65	22 S	.57		30	.001							.001					
SND9044-3	P40M	36.00	37.00	1.00	0	86 N	65	22 S	.95				.001		.001				.001					
SND9044-4	FK0M	37.00	37.50	.50	0	86 N	65	22 S	.47							.041		.041	.041					
SND9044-5	P40M	37.50	38.00	.50	0	86 N	65	22 S	.47				.001		.001				.001					
SND9044-6	F30M	38.00	38.50	.50	0	86 N	65	22 S	.47							.018		.018	.018					
SND9044-7	P40M	38.50	39.50	1.00	0	86 N	65	22 S	.95				.001		.001				.001					
SND9044-8	F30M	39.50	40.00	.50	0	86 N	65	22 S	.47							.022		.022	.022					
SND9044-9	P30M	40.00	41.40	1.40	0	86 N	65	22 S	1.33				.001		.001				.001					

SECTION 2540E

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND9044-10	K20M	41.40	42.80	1.40	0	86 N	65	22 S	1.33				.002		.002				.002					
SND9044-11	GG	42.80	43.30	.50	0	86 N	65	22 S	.47							.033		.033	.033					
SND9044-12	P30M	43.30	44.30	1.00	0	86 N	65	22 S	.95				.001		.001				.001					
SND9044-13	P30M	44.30	45.30	1.00	0	86 N	65	22 S	.95		4													
SND9044-14	P30M	46.60	47.60	1.00	0	86 N	65	22 S	.95		2													
SND9044-15	P30M	47.60	48.60	1.00	0	86 N	65	22 S	.95	.58			.001		.001				.001	1				
SND9044-16	F40M	48.60	49.10	.50	0	86 N	65	22 S	.47							1.291		1.291	1.291	1				
SND9044-17	P30M	49.10	50.10	1.00	0	86 N	65	22 S	.95				.001		.001				.001	2	.304	6.56	10.42	2.00
SND9044-18	P30M	50.10	51.10	1.00	0	86 N	65	22 S	.95		2													
SND9044-19	P30M	58.10	59.10	1.00	0	86 N	65	22 S	.95		2													
SND9044-20	FK0M	59.10	60.10	1.00	0	86 N	65	22 S	.95				.001		.001				.001	1				
SND9044-21	F40M	60.10	60.60	.50	0	86 N	65	22 S	.47							.033		.033	.033	1				
SND9044-22	F40M	60.60	61.10	.50	0	86 N	65	22 S	.47							1.050		1.050	1.050	1				
SND9044-23	P30M	61.10	62.10	1.00	0	86 N	65	22 S	.95	.11			.001		.001				.001	2	.255	6.56	8.74	2.00
SND9044-24	P30M	62.10	63.25	1.15	0	86 N	65	22 S	1.09		2													
SND9044-25	P20M	63.25	64.40	1.15	0	86 N	65	22 S	1.09		1													
SND9044-26	S20M	64.40	65.60	1.20	0	86 N	65	22 S	1.14				.001		.001				.001					
SND9044-27	F40M	65.60	66.10	.50	0	86 N	65	22 S	.47							.015		.015	.015					
SND9044-28	P30M	66.10	67.10	1.00	0	86 N	65	22 S	.95				.001		.001				.001					
SND9044-29	P10M	67.10	68.10	1.00	0	86 N	65	22 S	.95		8													
SND9044-30	F10M	71.40	71.90	.50	0	86 N	65	22 S	.47		10													
SND9045-1	F10M	32.90	33.50	.60	0	80 N	64	20 S	.59		91	.003							.003					
SND9045-2	S10M	51.80	52.30	.50	0	80 N	64	20 S	.49		240	.007							.007					
SND9045-3	P30M	62.20	63.20	1.00	0	80 N	64	20 S	.98		7													
SND9045-4	P30M	63.20	64.20	1.00	0	80 N	64	20 S	.98	.53			.001		.001				.001	1				
SND9045-5	F40M	64.20	64.70	.50	0	80 N	64	20 S	.49							.288		.288	.288	1				
SND9045-6	P30M	64.70	65.70	1.00	0	80 N	64	20 S	.98				.004		.004				.004	2	.073	6.56	2.50	2.00
SND9045-7	P30M	65.70	66.70	1.00	0	80 N	64	20 S	.98				.001		.001				.001					
SND9045-8	F40M	66.70	67.20	.50	0	80 N	64	20 S	.49							.006		.006	.006					
SND9045-9	P30M	67.20	68.20	1.00	0	80 N	64	20 S	.98				.001		.001				.001					
SND9045-10	FK0M	68.20	68.70	.50	0	80 N	64	20 S	.49		93	.003							.003					
SND9045-11	P30M	68.70	69.70	1.00	0	80 N	64	20 S	.98		3													
SND9045-12	A30M	69.70	70.70	1.00	0	80 N	64	20 S	.98		5													
SND9045-13	P30M	70.70	71.80	1.10	0	80 N	64	20 S	1.08				.001		.001				.001					
SND9045-14	F40M	71.80	72.30	.50	0	80 N	64	20 S	.49							.004		.004	.004					
SND9045-15	F30M	72.30	72.80	.50	0	80 N	64	20 S	.49							.029	.054	.042	.042					
SND9045-16	P30M	72.80	73.90	1.10	0	80 N	64	20 S	1.08				.001		.001				.001					
SND9045-17	S30M	73.90	74.40	.50	0	80 N	64	20 S	.49				.003		.003				.003					
SND9045-18	P30M	74.40	75.40	1.00	0	80 N	64	20 S	.98		2													
SND9045-19	K20M	75.40	76.40	1.00	0	80 N	64	20 S	.98				.001		.001				.001					
SND9045-20	F40M	76.40	76.90	.50	0	80 N	64	20 S	.49							.290	.328	.309	.309	1				
SND9045-21	S30M	76.90	77.55	.65	0	80 N	64	20 S	.64				.002		.002				.002	1				
SND9045-22	F40M	77.55	78.45	.90	0	80 N	64	20 S	.88	.87						.041	.133	.087	.087	2	.114	6.56	3.91	2.00
SND9045-23	K10M	78.45	79.45	1.00	0	80 N	64	20 S	.98				.001		.001				.001					
SND9045-24	K20M	79.45	80.45	1.00	0	80 N	64	20 S	.98		1													
SND9045-25	FK0M	83.40	83.90	.50	0	80 N	64	20 S	.49		57	.002							.002					

SECTION 2590E

3/27/91

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T FEET	AVG GM/T METRES
SND9046-1	P10M	7.60	8.60	1.00	0	45	70	90	.66		7											
SND9046-2	P10M	8.60	9.60	1.00	0	45	70	90	.66				.001		.001				.001			
SND9046-3	F30M	9.60	10.10	.50	0	45	70	90	.33							.139		.139	.139	1		
SND9046-4	S30M	10.10	11.10	1.00	0	45	70	90	.66				.013		.013				.013	1		
SND9046-5	P10M	11.10	12.10	1.00	0	45	70	90	.66		240	.007							.007	1	.051	6.56	1.75	2.00
SND9046-6	S30M	13.00	13.50	.50	0	45	70	90	.33		4.380	.128							.128	2	.051	6.50	1.75	1.98
SND9046-7	P30M	55.80	56.80	1.00	0	46.5	70	90	.65		16											
SND9046-8	A30M	56.80	57.80	1.00	0	46.5	70	90	.65				.001		.001				.001			
SND9046-9	GG	57.80	58.30	.50	0	46.5	70	90	.32	.09						.020		.020	.020	1		
SND9046-10	A20M	58.30	59.50	1.20	0	46.5	70	90	.78				.001		.001				.001	1		
SND9046-11	P20M	59.50	60.75	1.25	0	46.5	70	90	.81				.001		.001				.001	1		
SND9046-12	QV	60.75	61.25	.50	0	46.5	70	90	.32							.369		.369	.369	2	.061	6.56	2.09	2.00
SND9046-13	S10M	61.25	62.25	1.00	0	46.5	70	90	.65				.001		.001				.001			
SND9046-14	P20M	62.25	63.25	1.00	0	46.5	70	90	.65		8											
SND9047-1	P20M	14.50	15.70	1.20	0	52	68	32 S	1.16				.001		.001				.001			
SND9047-2	F20M	15.70	16.20	.50	0	52	68	32 S	.49							.086		.086	.086			
SND9047-3	P20M	16.20	17.30	1.10	0	52	68	32 S	1.07				.001		.001				.001			
SND9047-4	S30M	17.30	18.20	.90	0	52	68	32 S	.87		115	.003							.003			
SND9047-5	S20M	18.20	19.20	1.00	0	52	68	32 S	.97		42	.001							.001			
SND9047-6	P20M	24.50	25.50	1.00	0	52	68	32 S	.97	.54			.001		.001				.001	1		
SND9047-7	F30M	25.50	26.00	.50	0	52	68	32 S	.49							.150		.150	.150	1		
SND9047-8	P20M	26.00	27.00	1.00	0	52	68	32 S	.97				.001		.001				.001	2	.038	6.56	1.30	2.00
SND9047-9	P20M	31.90	32.90	1.00	0	52	68	32 S	.97	.54			.001		.001				.001	1		
SND9047-10	F30M	32.90	33.40	.50		52	68	32 S	.49							.177		.177	.177	1		
SND9047-11	P20M	33.40	34.40	1.00	0	52	68	32 S	.97				.001		.001				.001	2	.044	6.56	1.51	2.00
SND9047-12	S40M	36.80	37.30	.50	0	52	68	32 S	.49		38	.001							.001			
SND9047-13	P20M	39.50	40.50	1.00	0	52	68	32 S	.97	.54			.001		.001				.001	1		
SND9047-14	F4AD	40.50	41.00	.50	0	52	68	32 S	.49							.985		.985	.985	1		
SND9047-15	P20M	41.00	42.00	1.00	0	52	68	32 S	.97				.001		.001				.001	2	.242	6.56	8.30	2.00
SND9047-16	P20M	44.15	45.15	1.00	0	52	68	32 S	.97	.54			.001		.001				.001	1		
SND9047-17	F30M	45.15	45.65	.50	0	52	68	32 S	.49							.171		.171	.171	1		
SND9047-18	P20M	45.65	46.65	1.00	0	52	68	32 S	.97				.001		.001				.001	2	.043	6.56	1.47	2.00
SND9047-19	F20M	48.35	48.95	.60	0	52	68	32 S	.58		1.580	.046							.046			
SND9048-1	F20M	25.15	25.65	.50	0	75	62	18 S	.49		49	.001							.001			
SND9048-2	F30M	33.80	34.30	.50	0	75	62	18 S	.49		4											
SND9048-3	P20M	40.70	41.70	1.00	0	75	62	18 S	.99				.001		.001				.001			
SND9048-4	F30M	41.70	42.20	.50	0	75	62	18 S	.49							.011		.011	.011			
SND9048-5	F20M	42.20	42.70	.50	0	75	62	18 S	.49							.002		.002	.002			
SND9048-6	GG	42.70	43.70	1.00	0	75	62	18 S	.99				.001		.001				.001			
SND9048-7	P20M	45.10	46.10	1.00	0	75	62	18 S	.99				.001		.001				.001			

SECTION 2590E

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SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND9048-8	F3QM	46.10	46.60	.50	0	75	62	18 S	.49							.006		.006	.006					
SND9048-9	S2QM	46.60	47.90	1.30	0	75	62	18 S	1.29	.22			.002		.002				.002	1				
SND9048-10	P2QM	47.90	49.20	1.30	0	75	62	18 S	1.29				.001		.001				.001	1				
SND9048-11	F3QM	49.20	49.70	.50	0	75	62	18 S	.49							.073		.073	.073	2	.019	6.56	.65	2.00
SND9048-12	P2QM	49.70	50.70	1.00	0	75	62	18 S	.99				.005		.005				.005					
SND9048-13	P2QM	55.20	56.20	1.00	0	75	62	18 S	.99	.52			.001		.001				.001	1				
SND9048-14	S2QM	56.20	56.70	.50	0	75	62	18 S	.49							.163		.163	.163	1				
SND9048-15	P2QM	56.70	57.70	1.00	0	75	62	18 S	.99				.001		.001				.001	2	.041	6.56	1.41	2.00
SND9048-16	S3QM	65.70	66.70	1.00	0	75	62	18 S	.99	.52			.001		.001				.001	1				
SND9048-17	F3QM	66.70	67.20	.50	0	75	62	18 S	.49							.421		.421	.421	1				
SND9048-18	P1QM	67.20	68.20	1.00	0	75	62	18 S	.99				.008		.008				.008	2	.107	6.56	3.67	2.00
SND9048-19	S3QM	71.50	72.50	1.00	0	75	62	18 S	.99	.53			.001		.001				.001	1				
SND9048-20	FKQM	72.50	73.00	.50	0	75	62	18 S	.49							.489		.489	.489	1				
SND9048-21	P2QM	73.00	73.50	.50	0	75	62	18 S	.49				.001		.001				.001	1				
SND9048-22	FKQM	73.50	74.00	.50	0	75	62	18 S	.49							.019		.019	.019	2	.125	6.56	4.29	2.00
SND9048-23	P2QM	74.00	75.00	1.00	0	75	62	18 S	.99				.001		.001				.001					
SND9048-24	S3QM	76.50	77.10	.60	0	75	62	18 S	.59		1.390	.041							.041					
SND9048-25	FKQM	77.10	77.60	.50	0	75	62	18 S	.49		1.910	.056							.056					
SND9048-26	P4AD	79.00	80.00	1.00	0	75	62	18 S	.99				.001		.001				.001					
SND9048-27	FKQM	80.00	80.50	.50	0	75	62	18 S	.49							.002		.002	.002					
SND9048-28	P2QM	80.50	81.50	1.00	0	75	62	18 S	.99				.007		.007				.007					
SND9048-29	S3QM	82.50	83.00	.50	0	75	62	18 S	.49		16													
SND9049-1	FKQM	49.65	50.15	.50	0	90	80	17 S	.48		69	.002							.002					
SND9049-2	P2QM	50.15	51.15	1.00	0	90	80	17 S	.96				.001		.001				.001					
SND9049-3	F3QM	51.15	51.65	.50	0	90	80	17 S	.48							.023		.023	.023					
SND9049-4	P2QM	51.65	52.75	1.10	0	90	80	17 S	1.05				.001		.001				.001					
SND9049-5	P2QM	52.75	54.00	1.25	0	90	80	17 S	1.20	.08			.002		.002				.002	1				
SND9049-6	F3QM	54.00	54.50	.50	0	90	80	17 S	.48							.056		.056	.056	1				
SND9049-7	F3QM	54.50	55.00	.50	0	90	80	17 S	.48							3.809		3.809	3.809	1				
SND9049-8	K2QM	55.00	56.00	1.00	0	90	80	17 S	.96				.001		.001				.001	2	.928	6.56	31.82	2.00
SND9049-9	P1QM	74.00	75.00	1.00	0	90	80	17 S	.96				.001		.001				.001					
SND9049-10	F4QM	75.00	75.50	.50	0	90	80	17 S	.48							.023		.023	.023					
SND9049-11	S1QM	75.50	76.25	.75	0	90	80	17 S	.72				.001		.001				.001					
SND9049-12	S4QM	76.25	77.00	.75	0	90	80	17 S	.72							.018		.018	.018	1				
SND9049-13	S4QM	77.00	77.50	.50	0	90	80	17 S	.48							.009		.009	.009	1				
SND9049-14	S4QM	77.50	78.00	.50	0	90	80	17 S	.48							.063		.063	.063	1				
SND9049-15	P1QM	78.00	79.20	1.20	0	90	80	17 S	1.15	.32			.001		.001				.001	2	.024	6.56	.82	2.00
SND9049-16	S2QM	85.00	85.50	.50	0	90	80	17 S	.48		14													
SND9072-1	S3QM	60.15	61.15	1.00	.5	64 N	67	24 S	.98		120	.003							.003					
SND9072-2	P2QM	71.65	72.65	1.00	.5	64 N	67	24 S	.98	.04			.001		.001				.001	1				

SECTION 2590E

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SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T FEET	AVG GM/T METRES	
SND9072-3	F4QM	72.65	73.15	.50	.5	64 N	67	24 S	.49							.011		.011	.011	1			
SND9072-4	QV	73.15	73.65	.50	.5	64 N	67	24 S	.49							.268	.299	.284	.284	1			
SND9072-5	K2QM	73.65	74.65	1.00	.5	64 N	67	24 S	.98				.001		.001				.001	2	.073	6.56	2.50	2.00
SND9072-6	FKQM	91.60	92.10	.50	.5	64 N	67	24 S	.49		94	.003							.003				
SND9072-7	P2QM	93.70	94.70	1.00	.5	64 N	67	24 S	.98	.04			.001		.001				.001	1			
SND9072-8	F3QM	94.70	95.20	.50	.5	64 N	67	24 S	.49							.577	.421	.499	.499	1			
SND9072-9	F3QM	95.20	95.70	.50	.5	64 N	67	24 S	.49							.985	.792	.889	.889	1			
SND9072-10	P2QM	95.70	96.70	1.00	.5	64 N	67	24 S	.98				.001		.001				.001	2	.340	6.56	11.66	2.00
SND9072-11	S3QM	108.80	109.60	.80	.5	64 N	67	24 S	.79		8												
SND9072-12	S3QM	109.60	110.34	.74	.5	64 N	67	24 S	.73		8												

SECTION 2640E

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK MI CONV PPB	OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV + ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND896-1	P2GR	21.53	22.53	1.00	0	51 N	66	18 S	.92				.001		.001				.001					
SND896-2	S4GR	22.53	23.03	.50	0	51 N	66	18 S	.46							.014		.014	.014					
SND896-3	S3GR	23.03	24.51	1.48	0	51 N	66	18 S	1.36	1.19			.001		.001				.001	1				
SND896-4	FKGR	24.51	24.96	.45	0	51 N	66	18 S	.41							.267		.267	.267	1				
SND896-5	S4GR	24.96	25.40	.44	0	51 N	66	18 S	.40							.071		.071	.071	2	.070	6.56	2.40	2.00
SND896-6	S3GR	25.40	26.42	1.02	0	51 N	66	18 S	.94				.001		.001				.001					
SND896-7	FKGR	26.42	27.15	.73	0	51 N	66	18 S	.67							.004		.004	.004					
SND896-8	S3GR	27.15	27.53	.38	0	51 N	66	18 S	.35							.047		.047	.047					
SND896-9	FKGR	27.53	27.83	.30	0	51 N	66	18 S	.28							.001		.001	.001					
SND896-10	FKGR	27.83	28.17	.34	0	51 N	66	18 S	.31							.010		.010	.010					
SND896-11	S3GR	28.17	29.27	1.10	0	51 N	66	18 S	1.01				.001		.001				.001					
SND896-12	S3GR	29.27	30.30	1.03	0	51 N	66	18 S	.94				.001		.001				.001	1				
SND896-13	FKGR	30.30	30.69	.39	0	51 N	66	18 S	.36							.452		.452	.452	1				
SND896-14	P3GR	30.69	31.72	1.03	0	51 N	66	18 S	.94	.70			.001		.001				.001	2	.082	6.56	2.81	2.00
SND896-15	S3GR	31.72	32.02	.30	0	51 N	66	18 S	.28							.004		.004	.004					
SND896-16	P3GR	32.02	32.36	.34	0	51 N	66	18 S	.31							.001		.001	.001					
SND896-17	S3GR	32.36	32.66	.30	0	51 N	66	18 S	.28							.009		.009	.009					
SND896-18	P3QM	32.66	32.96	.30	0	51 N	66	18 S	.28				.001		.001				.001					
SND896-19	P3QM	32.96	33.57	.61	0	51 N	66	18 S	.56				.001		.001				.001					
SND896-20	FKQM	33.57	33.88	.31	0	51 N	66	18 S	.28							.002		.002	.002					
SND896-21	FKQM	33.88	34.24	.36	0	51 N	66	18 S	.33							.001		.001	.001					
SND896-22	P3QM	34.24	35.33	1.09	0	51 N	66	18 S	1.00	.92						.001		.001	.001	1				
SND896-23	FKQM	35.33	35.63	.30	0	51 N	66	18 S	.28							.455		.455	.455	1				
SND896-24	P3QM	35.63	36.50	.87	0	51 N	66	18 S	.80							.001		.001	.001	2	.065	6.56	2.23	2.00
SND896-25	FKQM	36.50	36.81	.31	0	51 N	66	18 S	.28							.001		.001	.001					
SND896-26	P3QM	36.81	38.37	1.56	0	51 N	66	18 S	1.43				.001		.001				.001					
SND896-27	P3QM	38.37	39.93	1.56	0	51 N	66	18 S	1.43	.25			.001		.001				.001	1				
SND896-28	FKQM	39.93	40.23	.30	0	51 N	66	18 S	.28							.621		.621	.621	1				
SND896-29	P3QM	40.23	41.05	.82	0	51 N	66	18 S	.75				.002		.002				.002	1				
SND896-30	P3QM	41.05	41.84	.79	0	51 N	66	18 S	.72				.001		.001				.001	2	.088	6.56	3.02	2.00
SND896-31	FKQM	41.84	42.14	.30	0	51 N	66	18 S	.28							.003		.003	.003					
SND896-32	P3QM	42.14	42.83	.69	0	51 N	66	18 S	.63				.007		.007				.007					
SND896-33	FKQM	42.83	43.13	.30	0	51 N	66	18 S	.28				.007		.007				.007					
SND896-34	P3QM	43.13	44.34	1.21	0	51 N	66	18 S	1.11				.001		.001				.001					
SND896-35	P3QM	44.34	45.43	1.09	0	51 N	66	18 S	1.00				.002		.002				.002					
SND896-36	FKQM	45.43	45.88	.45	0	51 N	66	18 S	.41							.006		.006	.006					
SND896-37	P3QM	45.88	46.34	.46	0	51 N	66	18 S	.42				.001		.001				.001					
SND896-38	P3QM	46.34	47.34	1.00	0	51 N	66	18 S	.92				.001		.001				.001					
SND896-39	FKQM	47.34	48.12	.78	0	51 N	66	18 S	.72				.002		.002				.002					
SND896-40	P3QM	48.12	48.87	.75	0	51 N	66	18 S	.69				.001		.001				.001					
SND896-41	P3QM	48.87	49.87	1.00	0	51 N	66	18 S	.92				.001		.001				.001					
SND896-42	FKQM	49.87	50.20	.33	0	51 N	66	18 S	.30				.001		.001				.001					
SND896-43	P3QM	50.20	51.20	1.00	0	51 N	66	18 S	.92				.001		.001				.001					
SND897-1	P4QM	34.43	35.43	1.00	0	67 N	78	26 S	.99				.002		.002				.002					
SND897-2	FKQM	35.43	35.75	.32	0	67 N	78	26 S	.32				.003		.003				.003					
SND897-3	P4QM	35.75	36.23	.48	0	66.5 N	78	26 S	.48				.001		.001				.001					
SND897-4	FKQM	36.23	36.61	.38	0	66 N	78	26 S	.38							.012		.012	.012					
SND897-5	FKQM	36.61	37.12	.51	0	65.5 N	78	26 S	.51							.001		.001	.001					
SND897-6	P4QM	37.12	38.12	1.00	0	65.5 N	78	26 S	1.00				.001		.001				.001					
SND897-7	P4QM	38.12	39.28	1.16	0	65.5 N	78	26 S	1.15				.001		.001				.001					
SND897-8	P4QM	39.28	40.31	1.03	0	65.5 N	78	26 S	1.03				.001		.001				.001					
SND897-9	FKQM	40.31	41.02	.71	0	65.5 N	78	26 S	.71							.001		.001	.001					
SND897-10	FKQM	41.02	41.58	.56	0	65.5 N	78	26 S	.56							.003		.003	.003					
SND897-11	FKQM	41.58	42.57	.99	0	65.5 N	78	26 S	.99							.001		.001	.001					
SND897-12	FKQM	42.57	43.05	.48	0	65.5 N	78	26 S	.48							.001		.001	.001					

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SECTION 2640E

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV + ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
																							2/19/91	
SND897-13	P4QM	43.05	44.00	.95	0	65.5 N	78	26 S	.95				.001		.001				.001					
SND897-14	P4QM	44.00	45.01	1.01	0	65.5 N	78	26 S	1.01	.26			.001		.001				.001	1				
SND897-15	FKQM	45.01	45.44	.43	0	65.5 N	78	26 S	.43							.046		.046	.046	1				
SND897-16	P4QM	45.44	46.23	.79	0	65.5 N	78	26 S	.79				.001		.001				.001	1				
SND897-17	FKQM	46.23	46.75	.52	0	65.5 N	78	26 S	.52							.033	.085	.059	.059	2	.026	6.56	.89	2.00
SND897-18	P4QM	46.75	47.75	1.00	0	65.5 N	78	26 S	1.00				.001		.001				.001					
SND897-19	P2QM	53.82	54.82	1.00	0	65.5 N	78	26 S	1.00				.001		.001				.001					
SND897-20	FKQM	54.82	55.26	.44	0	65.5 N	78	26 S	.44							.012		.012	.012					
SND897-21	P4QM	55.26	55.84	.58	0	65.5 N	78	26 S	.58							.001		.001	.001					
SND897-22	FKQM	55.84	56.35	.51	0	65.5 N	78	26 S	.51							.001		.001	.001					
SND897-23	FKQM	56.35	56.80	.45	0	65.5 N	78	26 S	.45							2.256		2.256	2.256	1				
SND897-24	P4QM	56.80	58.30	1.50	0	65.5 N	78	26 S	1.49				.001		.001				.001	1				
SND897-25	FKQM	58.30	58.60	.30	0	65.5 N	78	26 S	.30	.06			.001		.001				.001	2	.508	6.56	17.42	2.00
SND897-26	P4QM	58.60	59.21	.61	0	65.5 N	78	26 S	.61				.001		.001				.001					
SND897-27	FKQM	59.21	59.51	.30	0	65.5 N	78	26 S	.30							.002		.002	.002					
SND897-28	FKQM	59.51	59.92	.41	0	65.5 N	78	26 S	.41							.006		.006	.006					
SND897-29	P4QM	59.92	60.96	1.04	0	65.5 N	78	26 S	1.04				.001		.001				.001					
SND897-30	FKQM	60.96	61.26	.30	0	65.5 N	78	26 S	.30							.007		.007	.007					
SND897-31	P2QM	61.26	62.26	1.00	0	65.5 N	78	26 S	1.00				.001		.001				.001					
SND897-32	P2QM	68.42	69.42	1.00	0	65.5 N	78	26 S	1.00				.001		.001				.001					
SND897-33	FKQM	69.42	69.72	.30	0	65.5 N	78	26 S	.30							.001		.001	.001					
SND897-34	P4QM	69.72	70.90	1.18	0	65.5 N	78	26 S	1.17				.001		.001				.001					
SND897-35	FKQM	70.90	71.20	.30	0	65.5 N	78	26 S	.30							.001		.001	.001					
SND897-36	P4QM	71.20	72.15	.95	0	65.5 N	78	26 S	.95				.001		.001				.001					
SND897-37	S2QM	72.15	72.98	.83	0	65.5 N	78	26 S	.83	.23			.001		.001				.001	1				
SND897-38	S2QM	72.98	73.52	.54	0	65.5 N	78	26 S	.54							.172		.172	.172	1				
SND897-39	S2QM	73.52	74.76	1.24	0	65.5 N	78	26 S	1.23				.169		.169	.010		.010	.010	2	.053	6.56	1.82	2.00
SND897-40	S2QM	74.76	75.15	.39	0	65.5 N	78	26 S	.39							.003		.003	.003					
SND897-41	S2QM	75.15	75.69	.54	0	65.5 N	78	26 S	.54							.066		.066	.066	1				
SND897-42	S2QM	75.69	76.50	.81	0	65.5 N	78	26 S	.81				.001		.001				.001	1				
SND897-43	FKQM	76.50	76.90	.40	0	65.5 N	78	26 S	.40							.330	.095	.213	.213	1				
SND897-44	P4AD	76.90	77.63	.73	0	65.5 N	78	26 S	.73	.25						.028		.028	.028	2	.064	6.56	2.19	2.00
SND897-45	S2QM	77.63	77.96	.33	0	65.5 N	78	26 S	.33							.003		.003	.003					
SND897-46	S2QM	77.96	78.94	.98	0	65.5 N	78	26 S	.98							.001		.001	.001					
SND897-47	QV	78.94	79.24	.30	0	65.5 N	78	26 S	.30							.001		.001	.001					
SND897-48	P4QM	79.24	79.95	.71	0	65.5 N	78	26 S	.71				.001		.001				.001					
SND897-49	FKQM	79.95	80.25	.30	0	65.5 N	78	26 S	.30							.021		.021	.021					
SND897-50	P4QM	80.25	81.50	1.25	0	65.5 N	78	26 S	1.24				.001		.001				.001					
SND897-51	FKQM	81.50	81.80	.30	0	65.5 N	78	26 S	.30							.001		.001	.001					
SND897-52	P4QM	81.80	82.49	.69	0	65.5 N	78	26 S	.69				.001		.001				.001					
SND897-53	P4QM	82.49	83.21	.72	0	65.5 N	78	26 S	.72							.001		.001	.001					
SND897-54	S3QM	83.21	83.73	.52	0	65.5 N	78	26 S	.52							.013		.013	.013					
SND897-55	P4QM	83.73	84.50	.77	0	65.5 N	78	26 S	.77				.001		.001				.001					
SND897-56	S3QM	84.50	84.80	.30	0	65.5 N	78	26 S	.30							.073		.073	.073					
SND897-57	P4QM	84.80	86.10	1.30	0	65.5 N	78	26 S	1.29				.001		.001				.001					
SND897-58	S3QM	86.10	86.55	.45	0	65.5 N	78	26 S	.45							.014		.014	.014					
SND897-59	P4QM	86.55	87.17	.62	0	65.5 N	78	26 S	.62				.001		.001				.001					
SND9050-1	P1QM	53.34	54.35	1.01	0	67 N	73	30 S	.99				.001		.001				.001					
SND9050-2	FKQM	54.35	54.85	.50	0	67 N	73	30 S	.49							.002		.002	.002					
SND9050-3	FKQM	54.85	55.35	.50	0	67 N	73	30 S	.49							.237		.237	.237					
SND9050-4	K1QM	55.35	56.15	.80	0	67 N	73	30 S	.79				.001		.001				.001					
SND9050-5	F3QM	56.15	56.65	.50	0	67 N	73	30 S	.49	.43						.363		.363	.363	1				
SND9050-6	K1QM	56.65	57.65	1.00	0	67 N	73	30 S	.98				.001		.001				.001	1				
SND9050-7	QV	57.65	58.25	.60	0	67 N	73	30 S	.59							.654		.654	.654	2	.271	6.56	9.29	2.00
SND9050-8	P1QM	58.25	59.25	1.00	0	67 N	73	30 S	.98				.153		.153				.153					
SND9050-21	S2QM	84.45	85.25	.80	0	67 N	73	30 S	.79		310	.009							.009					

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SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV + ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND9050-9	P1QM	91.90	92.90	1.00	0	67 N	73	30 S	.98				.001		.001				.001					
SND9050-10	S3QM	92.90	93.40	.50	0	67 N	73	30 S	.49							.008		.008	.008					
SND9050-11	P2QM	93.40	94.00	.60	0	67 N	73	30 S	.59				.001		.001				.001					
SND9050-12	F3QM	94.00	94.60	.60	0	67 N	73	30 S	.59							.003		.003	.003					
SND9050-13	P2QM	94.60	95.50	.90	0	67 N	73	30 S	.89				.001		.001				.001					
SND9050-14	S2QM	95.50	96.00	.50	0	67 N	73	30 S	.49							.057		.057	.057					
SND9050-15	P2QM	96.00	96.80	.80	0	67 N	73	30 S	.79	.04			.001		.001				.001	1				
SND9050-16	F2QM	96.80	97.30	.50	0	67 N	73	30 S	.49							.777		.777	.777	1				
SND9050-17	P2QM	97.30	97.80	.50	0	67 N	73	30 S	.49				.005		.005				.005	1				
SND9050-18	F3QM	97.80	98.30	.50	0	67 N	73	30 S	.49							.021		.021	.021	1				
SND9050-19	F3QM	98.30	98.80	.50	0	67 N	73	30 S	.49							.904		.904	.904	2	.418	6.56	14.33	2.00
SND9050-20	P1QM	98.80	99.80	1.00	0	67 N	73	30 S	.98				.001		.001				.001					
SND9073-1	F2QM	51.50	52.00	.50	1.5	65 N	83	23 S	.50		10													
SND9073-2	S2QM	62.70	63.20	.50	1.5	65 N	83	23 S	.50		13													
SND9073-3	S3QM	70.00	70.50	.50	1.5	65 N	83	23 S	.50		59	.002							.002					
SND9073-4	S3QM	70.50	71.25	.75	1.5	65 N	83	23 S	.75		100	.003							.003					
SND9073-5	P1QM	73.50	74.50	1.00	1.5	65 N	83	23 S	1.00				.005		.005				.005					
SND9073-6	F3QM	74.50	75.00	.50	1.5	65 N	83	23 S	.50							.028		.028	.028					
SND9073-7	P1QM	75.00	76.05	1.05	1.5	65 N	83	23 S	1.05	1.00			.035		.035				.035	1				
SND9073-8	GG	76.05	76.55	.50	1.5	65 N	83	23 S	.50							.016		.016	.016	1				
SND9073-9	F2QM	76.55	77.05	.50	1.5	65 N	83	23 S	.50							.162		.162	.162	2	.062	6.56	2.13	2.00
SND9073-10	P2QM	77.05	78.05	1.00	1.5	65 N	83	23 S	1.00				.001		.001				.001					
SND9073-11	P1QM	106.30	107.30	1.00	1.5	65 N	83	23 S	1.00				.001		.001				.001					
SND9073-12	S3QM	107.30	108.25	.95	1.5	65 N	83	23 S	.95							.007		.007	.007					
SND9073-13	P1QM	108.25	109.25	1.00	1.5	65 N	83	23 S	1.00				.001		.001				.001					
SND9073-14	P1QM	112.00	113.00	1.00	1.5	65 N	83	23 S	1.00				.001		.001				.001					
SND9073-15	F3QM	113.00	113.50	.50	1.5	65 N	83	23 S	.50							.022		.022	.022					
SND9073-16	F3QM	113.50	114.30	.80	1.5	65 N	83	23 S	.80							.087		.087	.087					
SND9073-17	P2QM	114.30	115.30	1.00	1.5	65 N	83	23 S	1.00				.001		.001				.001					
SND9073-18	P2QM	116.65	117.65	1.00	1.5	65 N	83	23 S	1.00				.007		.007				.007	1				
SND9073-19	S3QM	117.65	118.15	.50	1.5	65 N	83	23 S	.50							.947	1.120	1.034	1.034	1				
SND9073-20	P2QM	118.15	119.50	1.35	1.5	65 N	83	23 S	1.35	.50			.001		.001				.001	2	.262	6.56	8.98	2.00
SND9073-21	F2QM	119.50	120.05	.55	1.5	65 N	83	23 S	.55							.004		.004	.004					
SND9073-22	P2QM	120.05	121.05	1.00	1.5	65 N	83	23 S	1.00				.001		.001				.001					

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SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND9051-1	FKQM	7.00	7.50	.50	0	47	78	90	.33		123	.004							.004					
SND9051-2	K1QM	26.30	27.30	1.00	0	47	78	90	.67				.001		.001				.001	1				
SND9051-3	F3QM	27.30	27.80	.50	0	45	78	90	.35							.127		.127	.127	1	.023	6.56	.79	2.00
SND9051-4	S3QM	27.80	28.80	1.00	0	45	78	90	.69				.001		.001				.001	2	.027	5.61	.93	1.71
SND9051-5	K2QM	31.75	32.75	1.00	0	45	78	90	.69				.001		.001				.001					
SND9051-6	F3QM	32.75	33.25	.50	0	45	78	90	.35							.023		.023	.023					
SND9051-7	P2QM	33.25	34.25	1.00	0	45	78	90	.69				.005		.005				.005					
SND9051-8	S2QM	53.85	54.45	.60	0	45	78	90	.41		36	.001							.001					
SND9052-1	F2QM	6.40	7.10	.70	0	45	68	13 S	.59		410	.012							.012					
SND9052-2	P1QM	12.80	13.80	1.00	0	45	68	13 S	.84				.002		.002				.002					
SND9052-3	FKQM	13.80	14.30	.50	0	45	68	13 S	.42							.031		.031	.031					
SND9052-4	S2QM	14.30	15.30	1.00	0	45	68	13 S	.84				.009		.009				.009					
SND9052-5	FKQM	15.30	15.80	.50	0	45	68	13 S	.42							.008		.008	.008					
SND9052-6	P1QM	15.80	16.80	1.00	0	45	68	13 S	.84				.009		.009				.009					
SND9052-17	S2QM	28.70	29.20	.50	0	45	68	13 S	.42		67	.002							.002					
SND9052-7	P2QM	43.80	44.80	1.00	0	45	68	13 S	.84				.001		.001				.001					
SND9052-8	FKQM	44.80	45.30	.50	0	45	68	13 S	.42	.32						.002		.002	.002	1				
SND9052-9	F2QM	45.30	45.80	.50	0	45	68	13 S	.42							.004		.004	.004	1				
SND9052-10	P2QM	45.80	46.80	1.00	0	45	68	13 S	.84				.004		.004				.004	1				
SND9052-11	F2QM	46.80	47.30	.50	0	45	68	13 S	.42							.071		.071	.071	2	.018	6.56	.62	2.00
SND9052-12	P2QM	47.30	48.30	1.00	0	45	68	13 S	.84				.001		.001				.001					
SND9052-13	F2QM	50.80	51.30	.50	0	45	68	13 S	.42		83	.002							.002					
SND9052-14	FKQM	57.00	57.50	.50	0	45	68	13 S	.42		370	.011							.011					
SND9052-15	S3QM	63.85	64.35	.50	0	45	68	13 S	.42		113	.003							.003					
SND9052-16	FKQM	78.10	78.80	.70	0	45	68	13 S	.59		490	.014							.014					
SND9053-1	F2QM	20.80	21.80	1.00	0	72 S	64	13 S	.99		26	.001							.001					
SND9053-2	P2QM	21.80	22.80	1.00	0	72 S	64	13 S	.99				.001		.001				.001					
SND9053-3	FKQM	22.80	23.30	.50	0	72 S	64	13 S	.49							.004		.004	.004					
SND9053-4	S2QM	23.30	24.30	1.00	0	72 S	64	13 S	.99				.001		.001				.001					
SND9053-5	P2QM	24.30	25.30	1.00	0	72 S	64	13 S	.99		190	.006							.006					
SND9053-6	S3QM	29.80	30.30	.50	0	72 S	64	13 S	.49		320	.009							.009					
SND9053-7	P2QM	30.30	31.30	1.00	0	72 S	64	13 S	.99				.001		.001				.001					
SND9053-8	F2QM	31.30	32.00	.70	0	72 S	64	13 S	.69							.025		.025	.025					
SND9053-9	P2QM	32.00	33.00	1.00	0	72 S	64	13 S	.99				.001		.001				.001					
SND9053-32	P2QM	33.00	34.15	1.15	0	72 S	64	13 S	1.14				.001		.001				.001					
SND9053-10	S3QM	34.15	34.65	.50	0	72 S	64	13 S	.49							.010		.010	.010					
SND9053-11	P2QM	34.65	35.90	1.25	0	72 S	64	13 S	1.24				.001		.001				.001					
SND9053-12	F1QM	35.90	36.90	1.00	0	72 S	64	13 S	.99				.001		.001				.001					
SND9053-13	F2QM	36.90	37.40	.50	0	72 S	64	13 S	.49							.004		.004	.004					
SND9053-14	P2QM	37.40	38.40	1.00	0	72 S	64	13 S	.99				.001		.001				.001					
SND9053-33	F1QM	39.00	39.60	.60	0	72 S	64	13 S	.59		98	.003							.003					
SND9053-15	P2QM	39.60	40.60	1.00	0	72 S	64	13 S	.99				.001		.001				.001					
SND9053-16	F2QM	40.60	41.10	.50	0	72 S	64	13 S	.49							.004		.004	.004					
SND9053-17	P2QM	41.10	42.20	1.10	0	72 S	64	13 S	1.09				.001		.001				.001					
SND9053-18	S3QM	44.40	44.90	.50	0	72 S	64	13 S	.49		220	.006							.006	1				
SND9053-19	P2QM	45.60	46.60	1.00	0	72 S	64	13 S	.99				.001		.001				.001	1				
SND9053-20	S3QM	46.60	47.10	.50	0	72 S	64	13 S	.49							.170		.170	.170	1				
SND9053-21	S1QM	47.10	48.10	1.00	0	72 S	64	13 S	.99	.03			.002		.002				.002	2	.044	6.56	1.51	2.00
SND9053-22	FKQM	54.60	55.10	.50	0	72 S	64	13 S	.49		15													
SND9053-23	P2QM	56.10	57.10	1.00	0	72 S	64	13 S	.99				.001		.001				.001					
SND9053-24	FKQM	57.10	57.60	.50	0	72 S	64	13 S	.49							.025		.025	.025					
SND9053-25	K2QM	57.60	58.60	1.00	0	72 S	64	13 S	.99				.001		.001				.001					
SND9053-26	P1QM	67.30	68.30	1.00	0	72 S	64	13 S	.99				.001		.001				.001					
SND9053-27	FKQM	68.30	68.80	.50	0	72 S	64	13 S	.49							.001		.001	.001					
SND9053-28	P1QM	68.80	69.75	.95	0	72 S	64	13 S	.94				.001		.001				.001					

SECTION 2690E

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SND9053-29	FKQM	69.75	70.25	.50	0	72 S	64	13 S	.49							.020		.020	.020					
SND9053-30	K2QM	70.25	71.25	1.00	0	72 S	64	13 S	.99				.001		.001				.001					
SND9053-31	FKQM	72.80	73.30	.50	0	72 S	64	13 S	.49		28	.001							.001					

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SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	FROM TO	AVG OZ/T FEET	AVG GM/T METRES	
SND9054-1	F20M	17.35	17.85	.50	0	60 N	45	17 S	.47		14												
SND9054-2	P10M	34.25	35.25	1.00	0	58 N	45	17 S	.92				.001		.001				.001	1			
SND9054-3	F20M	35.25	35.75	.50	0	58 N	45	17 S	.46							.010		.010	.010	1			
SND9054-4	P10M	35.75	36.75	1.00	0	58 N	45	17 S	.92				.001		.001				.001	2	.003	7.55	.10 2.30
SND9054-5	P10M	49.35	50.35	1.00	0	58 N	45	17 S	.92				.001		.001				.001				
SND9054-6	F20M	50.35	50.85	.50	0	58 N	45	17 S	.46							.004		.004	.004				
SND9054-7	P20M	50.85	51.85	1.00	0	58 N	45	17 S	.92				.001		.001				.001				
SND9054-8	K20M	52.50	53.00	.50	0	58 N	45	17 S	.46		8												
SND9054-9	K20M	56.10	57.10	1.00	0	58 N	45	17 S	.92		19	.001							.001				
SND9055-1	S20M	6.30	6.85	.55	0	90 N	48	16 S	.53		51	.001	.001		.001				.001				
SND9055-2	S20M	37.50	38.20	.70	0	90 N	48	16 S	.67		1.260	.037	.001		.001				.001				
SND9055-3	P20M	38.20	39.20	1.00	0	90 N	48	16 S	.96				.001		.001				.001	1			
SND9055-4	FKOM	39.20	39.70	.50	0	90 N	48	16 S	.48							.128		.128	.128	1			
SND9055-5	FKOM	39.70	40.20	.50	0	90 N	48	16 S	.48							.289		.289	.289	1			
SND9055-6	P20M	40.20	41.35	1.15	0	90 N	48	16 S	1.11	.08			.001		.001				.001	2	.101	6.56	3.46 2.00
SND9055-7	S30M	68.00	68.50	.50	0	90 N	48	16 S	.48		540	.016							.016				
SND9055-8	S20M	69.80	71.00	1.20	0	90 N	48	16 S	1.15				.001		.001				.001				
SND9055-9	FKOM	71.00	71.50	.50	0	90 N	48	16 S	.48							.001		.001	.001				
SND9055-10	P20M	71.50	72.50	1.00	0	90 N	48	16 S	.96				.001		.001				.001				

SECTION 2410E - SIWASH LAKE AREA

11/26/90

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	WIDTH USED	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV +ASS	***GOLD *OZ/TON	AU*TW	FROM TO	SUM AU*TW	SUM TW	AVG OZ/T	FEET AVG GM/T	METRES
SLD9056-1	P1QM	13.40	14.40	1.00	1	65	83	50	.90		.90			.001		.001				.001	.001						
SLD9056-2	F2QM	14.40	14.90	.50	1	65	83	50	.45		.45						.004		.004	.004	.002						
SLD9056-3	QM	14.90	16.10	1.20	1	65	83	50	1.08		1.08			.001		.001				.001	.001						
SLD9056-4	S3QM	21.50	22.10	.60	1	65	83	50	.54		.54	1															
SLD9056-5	P2QM	23.35	24.35	1.00	1	65	83	50	.90		.90			.029		.029				.029	.026						
SLD9056-6	S3QM	24.35	24.85	.50	1	64	83	50	.46		.46						.008		.008	.008	.004						
SLD9056-7	P2QM	24.85	25.85	1.00	1	64	83	50	.91		.91			.001		.001				.001	.001						
SLD9056-8	S3QM	27.45	27.95	.50	1	64	83	50	.46		.46	21	.001							.001							
SLD9056-9	P1QM	33.50	34.50	1.00	1	64	83	50	.91		.91			.001		.001				.001	.001						
SLD9056-10	F4QM	34.50	35.20	.70	1	64	83	50	.64		.64						.001		.001	.001	.001						
SLD9056-11	QV	35.20	35.70	.50	1	64	83	50	.46		.46						.166		.166	.166	.076	1	.076	.460			
SLD9056-12	F3AD	35.70	36.20	.50	2	63	83	50	.46		.46						.042		.042	.042	.019	1	.096	.920			
SLD9056-13	F4QM	36.20	37.30	1.10	2	63	83	50	1.01		1.01						.034		.034	.034	.034	1	.130	1.930			
SLD9056-14	QV	37.30	37.60	.50	2	63	83	50	.46	.07	.07						.165		.165	.165	.012	2	.142	2.000	.071	6.56	2.43	2.00
SLD9056-15	GG	37.80	38.50	.70	2	63	83	50	.64		.64			.002		.002				.002	.001						
SLD9056-16	P4AD	38.50	39.80	1.30	2	63	83	50	1.19		1.19			.001		.001				.001	.001						
SLD9056-17	F4QM	39.80	40.40	.60	2	63	83	50	.55		.55						.039		.039	.039	.021						
SLD9056-18	P4QM	40.40	41.40	1.00	2	63	83	50	.92		.92			.001		.001				.001	.001						
SLD9056-19	S3QM	53.90	54.40	.50	2	63	83	50	.46		.46	1															
SLD9057-1	S2QM	51.50	52.00	.50	359	74	83	50	.41		.41	5															
SLD9057-2	P3QM	62.20	63.20	1.00	.5	74	83	50	.83		.83			.001		.001				.001	.001						
SLD9057-3	F4QM	63.20	63.70	.50	.5	74	83	50	.41		.41						.005		.005	.005	.002						
SLD9057-4	F4QM	63.70	64.20	.50	.5	74	83	50	.41		.41						.007		.007	.007	.003						
SLD9057-5	P3QM	64.20	65.35	1.15	.5	74	83	50	.95		.95			.001		.001				.001	.001						
SLD9057-6	P3QM	65.35	66.50	1.15	.5	74	83	50	.95		.95			.001		.001				.001	.001						
SLD9057-7	F4QM	66.50	67.40	.90	.5	74	83	50	.74		.74						.047		.047	.047	.035						
SLD9057-8	QV	67.40	68.10	.70	.5	74	83	50	.58	.39	.39						.074		.074	.074	.029	1	.029	.390			
SLD9057-9	P4AD	68.10	69.55	1.45	.5	74	83	50	1.20		1.20			.002		.002				.002	.002	1	.031	1.590			
SLD9057-10	QV	69.55	70.05	.50	.5	74	83	50	.41		.41						.135		.135	.135	.055	2	.087	2.020	.043	6.56	1.47	2.00
SLD9057-11	F4QM	70.05	70.55	.50	.5	74	83	50	.41		.41						.016		.016	.016	.007						
SLD9057-12	F4QM	70.55	71.50	.95	.5	74	83	50	.79		.79			.001		.001				.001	.001						
SLD9057-13	F4QM	71.50	72.35	.75	.5	74	83	50	.62		.62			.022		.022				.022	.014						

APPENDIX "B"

L I S T O F R O C K S A M P L E R E S U L T S

T R E N C H I N G

SAMPLE NO.	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	FA/AA 20 GRAM	AVERAGE FA/AA/ml	FA 1/2AT OZ/TON	FA 1/2AT AV RERUN	AVERAGE FA 1/2AT	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	AVERAGE ASSAY AU	PAN AVG OZ/T	*ASS SV + ASS OZ/T	ASS SV + ASS AV RERUN	PAN / SV AU AVG	***GOLD FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SN891-1	1.00	165	0 N	110	65	.85			31	.001							.001					.001				
SN891-2	1.00	165	0 N	110	65	.85			7																	
SN891-3	1.00	165	0 N	110	65	.85			161	.005							.005					.005				
SN891-4	1.00	165	0 N	110	65	.85			9																	
SN891-5	.70	165	0 N	110	65	.60			10																	
SN891-6	1.00	165	0 N	110	65	.85			11																	
SN891-7	1.00	165	0 N	72	65	.86			13																	
SN891-8	1.00	165	0 N	72	65	.86			12																	
SN891-9	1.00	5	0 N	72	65	.56			104	.003							.003					.003				
SN891-10	1.00	165	0 N	72	65	.86			20	.001							.001					.001				
SN891-11	.50	165	0 N	72	65	.52			46	.001							.001					.001				
SN891-12	1.00	165	0 N	72	65	.86			2051	.050	.066		.066				.063					.063				
SN891-13	1.00	165	0 N	72	65	.86			50	.001							.001					.001				
SN891-14P	1.00	165	0 N	72	65	.86			606	.018							.018					.018	1			
SN891-15P	1.00	165	0 N	72	65	.86			27044	.789	.962	.931	.947	1.068		1.068	.941		1.094		1.094	1.094	1			
SN891-15	1.00	165	0 N	72	65	.86	.23		332	.010							.010					.010	2	.479	6.56	16.423	2.00
SN891-17	1.00	165	0 N	72	65	.86			75	.002							.002					.002				
SN891-18	1.00	165	0 N	72	65	.86			23	.001							.001					.001				
SN891-19	1.00	165	0 N	72	65	.86			211	.006							.006					.006				
SN891-20	1.00	165	0 N	72	65	.86			36	.001							.001					.001				
SN891-21P	.50	165	0 N	72	65	.43	.11		44	.001							.001					.001	1			
SN891-23P	.50	165	0 N	72	65	.43			4278	.125	.127		.127	.148		.148	.135		.148		.148	.148	1			
SN851-23P	.70	165	0 N	72	65	.60			15315	.447	.422	.632	.527	.476		.476	.483		.490		.490	.490	1			
SN891-24	1.00	165	0 N	72	65	.86			105	.003							.003					.003	2	.177	6.56	6.069	2.00
																							AVG	.328	6.56	11.246	
SN892-1	1.00	175	0 N	50	40	.75	.58		69	.002							.002					.002	1			
SN892-2P	.80	150	0 N	50	40	.52			149	.004	.004		.004				.004					.004	1			
SN892-3P	.80	150	0 N	50	40	.35			55533	1.620	1.676	1.321	1.499	2.205		2.205	1.774		2.309		2.309	2.309	1			
SN892-4	1.00	175	0 N	50	40	.55			790	.023							.023					.023	2	.412	6.56	14.126	2.00
SN892-5	.70	175	0 N	50	40	.34			173	.005							.005					.005				
SN892-6P	.50	150	0 N	50	40	.25			447	.013							.013					.013				
SN892-7	.50	175	0 N	50	40	.25			267	.008							.008					.008				
SN892-9	1.00	175	0 N	50	40	.49			616	.018							.018					.018				
SN892-10	1.00	175	0 N	50	40	.49			87	.003							.003					.003				
SN892-11	1.00	175	0 N	50	40	.49			140	.004							.004					.004				
SN892-12	1.00	175	0 N	50	40	.49			137	.004							.004					.004				
SN892-13	1.00	175	0 N	50	40	.49			142	.004							.004					.004				
SN892-14	1.00	175	0 N	50	40	.49			26	.001							.001					.001				
SN892-15	1.00	175	0 N	50	40	.49			17																	
SN893-1	1.00	9	41 N	80	32	.10			176	.005							.005					.005	1			
SN893-2P	1.00	9	40 N	80	32	.95								2.450	3.577	3.004	3.004	2.927	3.767		3.367	3.347	1			
SN893-3P	1.00	9	40 N	80	32	.95								.818		.010	.010	.011			.011	.011	2	1.595	6.56	54.686	2.00
SN893-4	1.00	9	40 N	80	32	.94			46	.001							.001					.001				
SN893-5	1.00	9	38 N	80	33	.94			61	.002							.002					.002				
SN893-6P	.70	9	50 N	80	33	.56								.150	.218	.184	.184	.141	.220		.196	.196	1			
SN893-7P	.50	9	50 N	80	33	.47								3.476	6.508	4.992	4.992	4.530	6.795		5.663	5.663	1			
SN893-8P	1.00	9	50 N	80	33	.95	.87							.106	.091	.099	.099	.180	.096		.138	.138	2	1.455	6.56	49.894	2.00
SN893-9	1.00	9	50 N	80	33	.99			2071	.060							.060					.060				
SN893-10P	1.00	1	5 N	80	33	.64	.08							.023		.023	.023	.038			.038	.038	1			
SN893-11P	1.00	1	5 N	80	33	.64								1.080	2.488	1.784	1.784	1.792	2.669		2.231	2.231	1			
SN893-12P	1.00	1	5 N	80	33	.64								.069		.069	.069	.081			.081	.081	1			
SN893-13	1.00	1	5 N	80	33	.64			1987	.058							.058					.058	2	.760	6.56	26.057	2.00
SN893-14	1.00	1	5 N	80	33	.64			183	.005							.005					.005				
SN893-15	1.00	1	5 N	80	33	.64			966	.028							.028					.028		1.270		43.546	
SN893-16	.70	1	0 N	80	33	.38			517	.015							.015					.015				
SN893-17	1.40	1	0 N	80	33	.75			134	.004							.004					.004				
SN893-18	.90	1	0 N	80	33	.48			167	.005							.005					.005				
SN893-19	1.00	1	0 N	95	37	.60			320	.009							.009					.009				

SAMPLE NO.	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	FA/AA 20 GRAM	AVERAGE FA/AA/MI	FA 1/2AT OZ/TON	FA 1/2AT AV RERUN	AVERAGE FA 1/2AT	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	AVERAGE ASSAY AU AVG	PAN +ASS SV OZ/T	+ ASS PAN OZ/T	PAN / SV AU AVG	***GOLD +OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SN893-20	1.00	1	0 N	90	41	.66			94	.003							.003				.003					
SN893-21	1.00	10	0 N	95	45	.70			81	.002							.002				.002					
SN893-22	1.00	10	0 N	95	45	.70			1037	.030							.030				.030					
SN893-23	1.00	10	0 N	95	45	.70			29	.001							.001				.001					
SN893-24	1.00	10	0 N	95	45	.70			22	.001							.001				.001					
SN893-25	1.00	10	0 N	95	45	.70			25	.001							.001				.001					
SN893-26	1.00	10	0 N	95	45	.70			41	.001							.001				.001					
SN893-27	1.00	10	0 N	95	45	.70			10																	
SN893-28	1.00	10	0 N	95	55	.82			9																	
SN893-29	1.10	10	0 N	95	62	.97			6																	
SN893-30	1.00	10	0 N	95	70	.94			3																	
SN893-31	1.00	10	0 N	95	80	.98			7																	
SN893-32	1.00	10	0 N	95	80	.98			12																	
SN893-33	1.00	10	0 N	95	80	.98			2																	
SN893-34	1.00	10	0 N	95	80	.98																				
SN893-35	1.00	10	0 N	95	80	.98			11																	
SN893-36	1.00	10	0 N	95	80	.98			6																	
SN893-37	1.00	10	0 N	80	73	.94			13																	
SN893-38	1.00	10	0 N	65	66	.83			8																	
SN893-39	1.00	10	0 N	50	60	.66			9																	
SN893-40	1.00	10	0 N	50	60	.66			5																	
SN893-41	1.00	10	0 N	50	60	.66			5																	
SN893-42	1.00	10	0 N	50	60	.66			17																	
SN893-43	1.00	10	0 N	50	60	.66			26	.001							.001				.001					
SN893-44	1.00	10	0 N	50	60	.66			7																	
SN893-45	1.00	10	0 N	50	60	.66			10																	
SN894-1P	1.00	5	55 N	80	33	.97	.06							.011		.011	.011	.012		.012	.012	1				
SN894-2P	1.00	5	63 N	80	33	.97								1.695	2.674	2.185	2.185	3.025	3.256	3.141	3.141	1				
SN894-3P	1.00	5	58 N	80	33	.97								.093	.120	.107	.107	.144	.145	.145	.145	2	1.594	6.56	54.652	2.00
SN894-4	1.00	9	0 N	80	35	.56			219	.006							.006				.006					
SN894-5P	1.00	9	0 N	80	35	1.16	.31							.010		.010	.010	.014		.014	.014	1				
SN894-6P	1.00	9	0 N	80	35	1.06								1.890	3.688	2.789	2.789	3.029	4.269	3.649	3.649	1				
SN894-7P	1.00	9	0 N	80	35	.63								.203	.333	.268	.268	.333	.362	.348	.348	2	2.046	6.56	70.149	2.00
SN894-8	1.10	9	0 N	80	35	.62		--------OT ANALYZED ---------																		
SN894-9P	1.00	5	59 N	80	37	.97	.06							.031		.031	.031	.038		.038	.038	1				
SN894-10P	1.00	5	59 N	80	37	.97								.934	1.518	1.226	1.226	1.610	1.752	1.681	1.681	1				
SN894-11P	1.00	5 5	59 N	80	37	.97								.100	.172	.136	.136	.174	.185	.180	.180	2 AVG	.903 1.514	6.56	30.960 51.920	2.00
SN894-12	1.10	9	0 N	80	37	.65		--------OT ANALYZED ---------																		
SN894-13	1.00	9	0 N	80	37	.59			1571	.046							.046				.046					
SN894-14	1.00	9	0 N	80	37	.59			911	.027							.027				.027					
SN894-15	1.00	1	0 N	80	37	.59			842	.025							.025				.025					
SN894-16	1.00	1	0 N	80	37	.59			383	.011							.011				.011					
SN894-17	1.00	1	0 N	80	37	.59			343	.010							.010				.010					
SN894-18	1.00	1	0 N	80	37	.59			699	.020							.020				.020					
SN894-19	1.00	1	0 N	80	70	.93			276	.008							.008				.008					
SN894-20	1.00	1	0 N	80	70	.93			150	.004							.004				.004					
SN894-21	.60	1	0 N	80	70	.56			659	.019							.019				.019					
SN894-22	1.00	2	0 N	80	70	.93			8752	.255	.191		.191				.223				.223					
SN894-25	1.00	2	0 N	80	70	.93			2366	.069				.061		.061	.065		.069	.069	.069	1	.818	6.56	28.046	2.00
SN894-26P	1.00	2	0 N	80	70	.93								.911	1.972	1.442	1.442	1.387	1.995	1.691	1.691	2	.880	6.10	30.172	1.86
Sample 23 is almost contiguous to 22Average of 22 to 24 isAverage o																										
SN894-23	.50	2	0 N	80	70	.46			2118	.062				.048		.048	.055		.048	.048	.048	1	1.204	6.56	41.280	2.00
SN894-24P	1.00	2	0 N	80	70	.93								1.428	2.633	2.031	2.031	2.262	2.868	2.565	2.565	2	1.732	4.56	59.383	1.39
																						AVG	1.011		34.663	
SN894-27	1.00	2	0 N	80	70	.93			367	.011							.011				.011					
SN894-28	1.00	178	0 N	80	70	.93			846	.025							.025				.025					
SN894-29	1.00	178	0 N	80	70	.93			494	.014							.014				.014					
SN894-30	1.00	178	0 N	80	70	.93			104	.003							.003				.003					
SN894-31	1.00	178	0 N	118	90	.88			8																	
SN894-32	1.00	178	0 N	118	90	.88			8																	

SAMPLE NO.	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	WIBK PPB	FA/AA 20 GRAM	AVERAGE FA/AA/MI	FA 1/2AT OZ/TON	FA 1/2AT AV RERUN	AVERAGE FA 1/2AT	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	AVERAGE PAN ASSAY	+ASS SV + ASS AU AVG	SV + ASS OZ/T	PAN / SV OZ/TON	AV RERUN	***GOLD AU AVG	FROM *OZ/TON	AVG OZ/T TO	FEET	AVG GM/T	METRES
SN894-33	1.00	178	0 N	118	90	.88			20	.001																	
SN894-34	1.00	178	0 N	118	90	.88			12																		
SN894-35	1.00	178	0 N	118	90	.88			27	.001																	
SN894-36	1.00	178	0 N	118	90	.88			15																		
SN894-37	1.00	178	0 N	118	90	.88			23	.001																	
SN894-38	1.00	178	0 N	118	90	.88			83	.002																	
SN894-39	1.00	178	0 N	118	90	.88			7																		
SN894-40	1.00	178	0 N	118	90	.88			10																		
SN894-41	1.00	178	0 N	118	90	.88			4																		
SN894-42	1.25	178	0 N	118	90	1.10			10																		
SN894-43	1.25	178	0 N	118	90	1.10			7																		
SN894-44	1.00	178	0 N	118	90	.88			19	.001																	
SN894-45	1.00	178	0 N	118	90	.88			13																		
SN894-48	1.00	167	0 N	99	80	.97			25	.001																	
SN894-49	.75	167	0 N	99	80	.73			751	.022																	
SN894-50	1.00	167	0 N	99	80	.97			129	.004																	
SN894-46	1.00	168	0 N	99	80	.97			5																		
SN894-47	1.00	168	0 N	99	80	.97			2																		
SN894-66	1.00	168	0 N	99	80	.97			32	.001																	
SN894-65	1.00	168	0 N	99	80	.97			341	.010																	
SN894-64	1.00	168	0 N	99	80	.97			560	.016																	
SN894-51	1.00	168	0 N	99	80	.97			65	.002																	
SN894-52	1.00	168	0 N	99	80	.97			35	.001																	
SN894-53	1.00	168	0 N	99	80	.97			10																		
SN894-54	1.00	173	0 N	99	80	.97			203	.006																	
SN894-55	1.00	173	0 N	99	80	.97			26	.001																	
SN894-56	1.00	173	0 N	99	80	.97			3																		
SN894-57	1.00	173	0 N	99	80	.97			23	.001																	
SN894-58	1.00	173	0 N	99	80	.97																					
SN895-59	1.00	8	0 N	100	80	.97		27		.001																	
SN895-60	1.00	8	0 N	100	80	.97		4																			
SN895-61	1.00	8	0 N	100	80	.97		33		.001																	
SN895-62	1.00	8	0 N	100	80	.97		43		.001																	
SN895-63	.80	8	0 N	100	80	.78		90		.002																	
SN895-64	.90	8	0 N	100	80	.87		34		.001																	
SN895-1	1.00	8	0 N	100	80	.97			76	.002																	
SN895-2	1.00	8	0 N	100	80	.97			68	.002																	
SN895-3	1.00	8	0 N	100	80	.97			30	.001																	
SN895-4	1.00	8	0 N	100	80	.97			14																		
SN895-5	1.00	8	0 N	100	80	.97			49	.001																	
SN895-6	1.20	8	0 N	100	80	1.16			28	.001																	
SN895-7	1.10	4	0 N	100	80	1.07			14																		
SN895-8	1.00	4	0 N	100	80	.97			9																		
SN895-9	.50	4	0 N	100	80	.48			1295	.038																	
SN895-10	1.00	4	0 N	100	80	.97			67	.002																	
SN895-11	1.00	4	0 N	100	80	.97			35	.001																	
SN895-12	1.10	4	0 N	100	80	1.07			33	.001																	
SN895-13	1.10	4	0 N	100	80	1.07			8																		
SN895-14	1.00	5	0 N	100	80	.97			41	.001																	
SN895-15	1.00	5	0 N	100	80	.97			21	.001																	
SN895-16	1.00	5	0 N	100	80	.97			17																		
SN895-17	1.00	5	0 N	100	80	.97			18	.001																	
SN895-18	1.00	175	0 N	100	80	.97			27	.001																	
SN895-19	.80	175	0 N	100	80	.78			29	.001																	
SN895-20	1.20	175	0 N	100	80	1.16			383	.011																	
SN895-21	1.00	175	0 N	100	80	.97			38	.001																	
SN895-22	1.00	175	0 N	100	80	.97			126	.004																	
SN895-23	1.00	175	0 N	100	80	.97			52	.002																	
SN895-24	1.00	175	0 N	100	80	.97			121	.004																	
SN895-25	1.00	175	0 N	100	80	.97		26		.001																	
SN895-26	1.00	175	0 N	100	80	.97		64		.002																	

SAMPLE NO.	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MISC PPB	FA/AA 20 GRAM	AVERAGE FA/AA/MI	FA 1/2AT OZ/TON	FA 1/2AT AV RERUN	AVERAGE FA 1/2AT	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	AVERAGE ASSAY AU AVG OZ/T	PAN +ASS SV + ASS OZ/TON	SV + ASS AV RERUN	PAM / SV AU AVG	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SN895-27	1.00	175	0 N	100	80	.97		1																		
SN895-28	1.00	175	0 N	100	80	.97		43		.001							.001				.001					
SN895-29	1.00	175	0 N	100	80	.97		65		.002							.002				.002					
SN895-30	1.00	175	0 N	100	80	.97		29		.001							.001				.001					
SN895-31	1.00	175	0 N	100	80	.97		22		.001							.001				.001					
SN895-32	1.00	175	0 N	100	80	.97		410		.012							.012				.012					
SN895-33	1.00	175	0 N	100	80	.97		250		.007							.007				.007					
SN895-34	1.00	175	0 N	100	69	.92		40		.001							.001				.001					
SN895-35	1.00	175	0 N	100	58	.84		2930		.085	.006	.005	.006				.045				.045					
SN895-36	1.00	175	0 N	97	47	.73		340		.010							.010				.010					
SN895-37	1.00	175	0 N	97	36	.58	.07	400		.012							.012				.012					
SN895-38	1.00	175	0 N	97	25	.42		970		.028							.028				.028					
SN895-39P	1.00	172	0 N	97	25	.88	.32	1510		.044	.029	.017	.023				.034				.034	1				
SN895-40P	1.00	172	0 N	97	25	.91		18860		.548	.440	.387	.414	.355		.355	.439	.373		.373	.373	1				
SN895-41P	.60	172	0 N	97	25	.77		89900		2.622	2.358	1.873	2.116	1.659		1.659	2.132	1.817		1.817	1.817	2	.875	6.56	30.000	2.00
SN895-42P	1.00	172	0 N	97	25	1.28		380		.011							.011				.011					
SN895-43P	1.00	171	60 N	97	25	.99	.31	560		.016							.016				.016	1				
SN895-44P	1.00	176	70 N	97	25	1.00		680		.020							.020				.020	1				
SN895-45P	.70	176	74 N	97	25	.69		86800		2.532	2.160	2.267	2.214	2.635		2.635	2.460	2.898		2.898	2.898	2	1.012	6.56	34.697	2.00
SN895-46P	1.00	176	74 N	97	25	.99		340		.010							.010				.010					
SN895-47P	1.00	178	73 N	97	25	.99		2130		.062	.084	.069	.077				.069				.069	1	.449	6.56	15.394	2.00
SN895-48P	1.00	178	58 N	97	25	.99		13260		.387	.978	.560	.769	.798		.798	.651	.838		.838	.838	2	.454	6.50	15.566	1.98
																						AVG	.779		26.697	
SN895-49	.80	175	0 N	97	30	.40		88		.003							.003				.003					
SN895-50	.80	175	0 N	97	30	.40		310		.009							.009				.009					
SN895-51	1.00	175	0 N	97	30	.50		54		.002							.002				.002					
SN895-52	1.00	175	0 N	75	30	.48		43		.001							.001				.001					
SN895-53	1.00	175	0 N	75	30	.48		7																		
SN895-54	1.00	175	0 N	75	30	.48		103		.003							.003				.003					
SN895-55	1.00	175	0 N	75	30	.48		6																		
SN895-56	1.00	175	0 N	80	25	.42		350		.010							.010				.010					
SN895-57	1.00	175	0 N	80	25	.42		9																		
SN895-58	1.00	175	0 N	80	25	.42																				

SAMPLE NO.	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	FA/AA 20 GRAM	FA CONV OZ/TON	AVERAGE FA/AA/MI	FA 1/2AT OZ/TON	FA 1/2AT AV RERUN	AVERAGE FA 1/2AT	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	AVERAGE ASSAY	PAN +ASS AU AVG	SV + ASS OZ/T	SV + ASS AV RERUN	PAN / SV AU AVG	***GOLD FROM OZ/T TO	AVG OZ/T	FEET	AVG GM/T
SN896-1	1.00	36	0 N	84	70 S	.93		2																		
SN896-2	1.00	36	0 N	84	70 S	.93		19			.001								.001				.001			
SN896-3	1.00	3	0 N	84	70 S	.93		1																		
SN896-4	1.00	3	0 N	84	70 S	.93		14																		
SN896-5	1.00	3	0 N	84	70 S	.93		1																		
SN896-6	1.00	3	0 N	84	70 S	.93		4																		
SN896-7	1.00	3	0 N	84	70 S	.93		1																		
SN896-8	1.00	3	0 N	84	70 S	.93		13																		
SN896-9	1.00	3	0 N	84	70 S	.93		4																		
SN896-10	1.00	3	0 N	84	70 S	.93		1																		
SN896-11	1.00	4	0 N	100	30 S	.49		6																		
SN896-12	1.00	4	0 N	100	30 S	.49		1																		
SN896-13	1.00	4	0 N	100	30 S	.49		8																		
SN896-14	1.00	4	0 N	100	30 S	.49		43			.001								.001				.001			
SN896-15	1.00	4	0 N	100	30 S	.49		380			.011								.011				.011			
SN896-16	1.00	4	0 N	100	30 S	.49		490			.014								.014				.014			
SN896-17	1.00	4	0 N	100	30 S	.49		16																		
SN896-18	1.00	4	0 N	100	30 S	.49		2																		
SN896-19	1.00	174	0 N	100	20 S	.34		38			.001								.001				.001			
SN896-20	1.00	174	0 N	100	20 S	.34		30			.001								.001				.001			
SN896-21	1.00	174	0 N	100	20 S	.34		36			.001								.001				.001			
SN896-22	1.00	174	0 N	100	20 S	.34		7																		
SN896-23P	1.00	174	0 N	100	20 S	.34		23			.001								.001				.001			
SN896-24P	1.00	174	0 N	100	20 S	.34		2280			.066								.066				.066			
SN896-25P	1.00	174	0 N	100	20 S	.34		128			.004								.004				.004			
SN896-26P	1.00	176	70 N	100	20 S	1.00		2020			.059								.059				.059			
SN896-27P	1.00	174	70 N	100	20 S	1.00		390			.011								.011				.011			
SN896-28	1.00	174	0 N	100	20 S	.34		20			.001								.001				.001			
SN896-29	1.00	174	0 N	100	20 S	.34		80			.002								.002				.002			
SN896-30	1.00	174	0 N	100	20 S	.34		13																		
SN896-31	1.00	174	0 N	100	20 S	.34		6																		
SN896-32	1.00	176	0 N	80	60 S	.85		8																		
SN896-33	1.00	176	0 N	80	60 S	.85		62			.002								.002				.002			
SN896-34	1.00	176	0 N	80	60 S	.85		3																		
SN896-35	1.00	4	0 N	80	60 S	.85		3																		
SN896-36	1.00	4	0 N	80	60 S	.85		8																		
SN896-37	1.00	4	0 N	80	60 S	.85		3																		
SN896-38P	.90	25	57 N	84	26 S	.88																				
SN897-1	1.00	178	0 N	115	90 S	.91		7																		
SN897-2	1.00	178	0 N	115	90 S	.91		1																		
SN897-3	1.00	178	0 N	115	90 S	.91		400			.012								.012				.012			
SN897-4	1.00	178	0 N	115	90 S	.91		160			.005								.005				.005			
SN897-5	1.00	178	0 N	115	90 S	.91		680			.020								.020				.020			
SN897-6	1.00	178	0 N	115	90 S	.91		9																		
SN897-7	1.00	178	0 N	115	90 S	.91		4																		
SN897-8	1.00	178	0 N	115	90 S	.91		2																		
SN897-9	1.00	178	0 N	85	80 S	.98		2																		
SN897-10	1.00	178	0 N	85	80 S	.98		1																		
SN897-11	1.00	178	0 N	85	80 S	.98		5																		
SN897-12	1.00	178	0 N	85	80 S	.98		15																		
SN897-13	1.00	178	0 N	85	80 S	.98		8																		
SN897-14	1.00	177	0 N	60	35 S	.50		4																		
SN897-15	1.00	177	0 N	60	35 S	.50		1																		
SN897-16	1.00	177	0 N	60	35 S	.50		6																		
SN897-17P	1.00	177	0 N	60	35 S	.50									.002		.002	.002	.003			.003	.003			
SN897-18P	1.00	177	0 N	60	35 S	.50									.004		.004	.004	.005			.005	.005			

SAMPLE NO.	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	FA/AA 20 GRAM	FA CONV OZ/TON	AVERAGE FA/AA/MI	FA 1/2AT OZ/TON	FA 1/2AT AV RERUN	AVERAGE FA 1/2AT	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	AVERAGE ASSAY AU	PAN AVG OZ/T	+ASS SV + ASS OZ/TON	SV + ASS AV RERUN	PAN / SV AU AVG	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T
SN897-19P	1.00	177	72 N	60	18 S	.99									.318	.451	.385	.385	.557	.507	.532	.532		.264	6.56	9.052
SN897-20P	.50	178	62 N	60	36 S	.48									.024		.024	.024	.037		.037	.037	1	.490	6.56	16.800
SN897-21P	.60	178	62 N	60	36 S	.57									1.310	1.551	1.431	1.431	1.701	1.675	1.688	1.688	2	.933	3.44	31.989
SN897-22P	1.00	177	0 N	60	35 S	.50									3.204	2.873	3.039	3.039	5.618	3.507	4.563	4.563	1			
SN897-23P	1.00	177	0 N	60	35 S	.50									.037	.018	.028	.028	.073	.019	.046	.046	1			
SN897-24	1.00	177	0 N	60	35 S	.50		46			.001							.001				.001	1			
SN897-25	1.00	177	0 N	60	35 S	.50		2															2	1.152	6.56	39.497
SN897-26	1.00	177	0 N	60	35 S	.50		15															AVG	.635	6.56	21.783
SN897-27	1.00	177	0 N	60	35 S	.50		4																		
SN897-28	1.00	112	0 N	35	40 S	.37		11																		
SN897-29P	1.00	10	10 N	35	40 S	.50		470			.014							.014				.014				
SN897-101P	.70	130	0 N	60	18 S	.19									.063	.062	.063	.063		.066	.066	.066	1			
SN897-102P	1.20	130	0 N	60	18 S	.32									3.068	2.399	2.734	2.734		2.487	2.487	2.487	1	.410	6.56	14.057
SN897-103P	.70	130	0 N	60	18 S	.19									.038	.057	.048	.048		.060	.060	.060	2	1.171	2.30	40.149
SN897-104P	.70	130	0 N	60	18 S	.19									.044	.046	.045	.045		.055	.055	.055	1			
SN897-105P	1.20	130	0 N	60	18 S	.32									2.449	2.663	2.556	2.556		2.875	2.875	2.875	1	.475	6.56	16.266
SN897-106P	.70	130	0 N	60	18 S	.19									.051	.096	.074	.074		.105	.105	.105	2	1.358	2.30	46.560
																							AVG	.443	6.56	15.172
SN898-1P	.50	174	10 N	45	50 S	.32			104	.003	.003				.003		.003	.003	.008		.008	.008				
SN898-2P	.50	174	0 N	45	50 S	.27			37	.001	.001				.001		.001	.001	.001		.001	.001				
SN898-3P	.60	174	0 N	45	50 S	.33			21	.001	.001				.001		.001	.001	.001		.001	.001				
SN898-4P	1.00	174	0 N	45	50 S	.54			123	.004	.004				.003		.003	.003	.003		.003	.003				
SN898-5P	.70	179	0 N	45	50 S	.38			54	.002	.002				.007		.007	.004	.010		.010	.010				
SN898-6	1.00	148	0 N	45	50 S	.54			82	.002	.002							.002				.002				
SN898-7P	.60	148	0 N	45	50 S	.33			718	.021	.021				.006		.006	.013	.008		.008	.008				
SN898-8P	.70	148	0 N	45	50 S	.38			61	.002	.002				.001		.001	.001	.001		.001	.001				
SN898-9P	.60	148	0 N	45	50 S	.33			57	.002	.002							.002				.002				
SN898-10P	1.00	179	0 N	45	50 S	.54			551	.016	.016							.016				.016				
SN898-11P	1.00	179	0 N	45	50 S	.54			145	.004	.004							.004				.004				
SN898-12P	1.00	179	0 N	45	50 S	.54			158	.005	.005							.005				.005				
SN898-13P	1.00	179	0 N	45	50 S	.54			42	.001	.001							.001				.001				
SN898-14	1.00	179	0 N	95	85 S	.99			29	.001	.001							.001				.001				
SN898-15	1.00	179	0 N	95	85 S	.99			56	.002	.002							.002				.002				
SN898-16	1.00	179	0 N	95	85 S	.99			37	.001	.001							.001				.001				
SN898-17	1.00	179	0 N	95	85 S	.99			92	.003	.003							.003				.003				
SN898-18	1.00	179	0 N	95	85 S	.99			13																	
SN898-19	1.00	179	0 N	95	85 S	.99			3																	
SN898-20	1.00	179	0 N	95	85 S	.99			13	.001	.001							.001				.001				
SN898-21	1.00	179	0 N	95	85 S	.99			30	.001	.001							.001				.001				
SN898-22	1.00	179	0 N	35	30 S	.29			135	.004	.004							.004				.004				
SN898-23	1.00	179	0 N	35	30 S	.29			112	.003	.003							.003				.003				
SN898-24	1.00	179	0 N	35	30 S	.29			6																	
SN898-25	1.00	179	0 N	35	30 S	.29			24	.001	.001							.001				.001				
SN898-26	1.00	1	0 N	65	65 S	.82			6																	
SN898-27	1.00	1	0 N	65	65 S	.82			3																	
SN898-28	1.00	1	0 N	65	65 S	.82			2																	
SN898-29	1.00	1	0 N	65	65 S	.82			2																	
SN898-30	1.00	1	0 N	65	65 S	.82			3																	
SN898-31	1.00	1	0 N	65	65 S	.82			1																	
SN898-32	1.00	1	0 N	65	65 S	.82			1																	
SN898-33	1.00	1	0 N	65	65 S	.82			1																	
SN898-34	1.00	1	0 N	65	65 S	.82			1																	
SN898-35	1.00	1	0 N	65	65 S	.82			2																	
SN898-36	1.00	1	0 N	65	65 S	.82			1157	.034	.034							.034				.034				
SN898-37	1.00	1	0 N	65	65 S	.82			8																	
SN898-38	1.00	1	0 N	65	65 S	.82			7																	

SAMPLE NO.	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIEK PPB	FA/AA 20 GRAM	FA CONV OZ/TON	AVERAGE FA/AA/MI	FA 1/2AT OZ/TON	FA 1/2AT AV RERUN	AVERAGE FA 1/2AT	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	AVERAGE ASSAY	PAN AU AVG OZ/T	+ASS SV + ASS OZ/TON	SV + ASS PAN / SV AV RERUN	AU AVG	***GOLD FROM AVG OZ/T *OZ/TON	FEET FO	AVG GM/T
SN898-39	1.00	1	0 N	65	65 S	.82			5																
SN898-40	1.00	0	0 N	65	65 S	.82			8																
SN898-41	1.00	0	0 N	65	65 S	.82			6																
SN898-42	1.00	0	0 N	65	65 S	.82			54	.002	.002								.002				.002		
SN898-43	1.00	0	0 N	65	65 S	.82			13																
SN898-44	1.00	0	0 N	65	65 S	.82			53	.002	.002								.002				.002		
SN898-45	1.00	0	0 N	65	65 S	.82			71	.002	.002								.002				.002		
SN898-46	1.00	0	0 N	65	65 S	.82			205	.006	.006								.006				.006		
SN898-47	1.00	0	0 N	65	65 S	.82			26	.001	.001								.001				.001		
SN898-48	1.00	0	0 N	65	65 S	.82			11																
SN898-49	1.00	2	0 N	90	30 S	.50			5																
SN898-50	1.00	2	0 N	90	30 S	.50			8																
SN898-51	1.00	2	0 N	90	30 S	.50			5																
SN898-52	1.00	2	0 N	90	30 S	.50			9																
SN898-53	1.00	2	0 N	90	30 S	.50			4																
SN898-54P	1.00	2	0 N	90	85 S	1.00			4																
SN898-55P	1.00	2	0 N	90	85 S	1.00			7																
SN898-56P	1.00	2	0 N	110	40 S	.60			2718	.079	.079								.079				.079		
SN898-57P	1.00	2	0 N	110	40 S	.60			114	.003	.003								.003				.003		
SN898-58P	1.00	2	0 N	160	80 S	.34			42	.001	.001								.001				.001		
SN898-59P	1.00	2	0 N	160	80 S	.34			9																
SN898-60P	1.00	2	0 N	160	80 S	.34			10																
SN898-61P	1.00	2	0 N	140	60 S	.56			12																
SN898-62P	1.00	2	0 N	140	60 S	.56			43	.001	.001								.001				.001		
SN898-63P	1.00	2	0 N	140	60 S	.56			45	.001	.001								.001				.001		
SN898-64P	1.00	2	0 N	140	60 S	.56			33	.001	.001								.001				.001		
SN898-65P	1.00	2	0 N	85	60 S	.86			18	.001	.001								.001				.001		
SN898-66P	1.00	2	0 N	30	40 S	.32			132	.004	.004								.004				.004		
SN898-67P	1.00	2	0 N	30	40 S	.32			628	.018	.018								.018				.018		
SN898-68P	1.00	2	0 N	30	40 S	.32			501	.015	.015								.015				.015		
SN898-69P	1.00	0	0 N	30	40 S	.32			32752	.955	.955	.564		.564					.760				.760		
SN898-70	1.00	0	0 N	30	40 S	.32			138	.004	.004								.004				.004		
SN898-71	1.00	0	0 N	30	40 S	.32			89	.003	.003								.003				.003		
SN898-72	1.00	0	0 N	30	40 S	.32			14																
SN898-101	1.00	179	0 N	90	65 S	.91			19	.001	.001								.001				.001		
SN898-102	1.00	179	0 N	90	65 S	.91			4																
SN898-103	1.00	179	0 N	90	65 S	.91			2																
SN898-104	1.00	179	0 N	90	65 S	.91			3																
SN898-105	1.00	179	0 N	90	65 S	.91			4																
SN898-106	1.00	179	0 N	90	65 S	.91			3																
SN898-107	1.00	179	0 N	90	65 S	.91			7																
SN898-108	1.00	179	0 N	90	65 S	.91			7																
SN898-109	1.00	179	0 N	90	65 S	.91			1																
SN898-110	1.00	179	0 N	90	65 S	.91			4																
SN898-111	1.00	179	0 N	90	65 S	.91			107	.003	.003								.003				.003		
SN898-112	1.00	179	0 N	77	58 S	.83			1																
SN898-113	1.00	179	0 N	64	51 S	.70			12																
SN898-114	1.00	179	0 N	50	45 S	.54			2																
SN898-115	1.00	179	0 N	50	45 S	.54			8																
SN898-116	1.00	179	0 N	50	45 S	.54			53	.002	.002								.002				.002		
SN898-117	1.00	179	0 N	50	45 S	.54			150	.004	.004								.004				.004		
SN898-118	1.00	179	0 N	50	45 S	.54			125	.004	.004								.004				.004		
SN898-119	1.00	179	0 N	50	45 S	.54			275	.008	.008								.008				.008		
SN898-120	1.00	179	0 N	50	45 S	.54			2890	.084	.084								.084				.084		
SN898-121	1.00	179	0 N	50	45 S	.54			148	.004	.004								.004				.004		
SN898-122	1.00	179	0 N	50	45 S	.54			1520	.044	.044								.044				.044		
SN898-123	.50	146	0 N	50	45 S	.27			720	.021	.021								.021				.021		
SN898-124	.50	135	0 N	35	47 S	.21			1960	.057	.057								.057				.057		
SN898-125	1.00	179	0 N	35	47 S	.42			116	.003	.003								.003				.003		
SN898-126	1.00	179	0 N	35	47 S	.42			1440	.042	.042								.042				.042		

SAMPLE NO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	WI8K PPB	FA/AA 20 GRAM	FA CONV OZ/TON	AVERAGE FA/AA/mI	FA 1/2AT OZ/TON	FA 1/2AT AV RERUN	AVERAGE FA 1/2AT	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	AVERAGE AU ASSAY	PAN +ASS OZ/TON	SV + ASS AV RERUN	PAN/SV AU AVG	***GOLD *OZ/TON	AU*TW	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SN899-1	1.00	0	0 N	100	80 S	.97			11																			
SN899-2	.50	0	0 N	100	80 S	.48			13																			
SN899-3	1.00	0	0 N	100	80 S	.97			4																			
SN899-4	1.00	176	0 N	81	71 S	.93			73	.002	.002							.002				.002	.002					
SN899-5	1.00	176	0 N	81	71 S	.93			11																			
SN899-6	1.00	176	0 N	81	71 S	.93			24	.001	.001							.001				.001	.001					
SN899-7	1.00	176	0 N	81	71 S	.93			6																			
SN899-8	1.00	176	0 N	85	80 S	.98			21	.001	.001							.001				.001	.001					
SN899-9	1.00	176	0 N	85	80 S	.98			69	.002	.002							.002				.002	.002					
SN899-10	1.00	176	0 N	85	80 S	.98			8																			
SN899-11	1.00	176	0 N	85	80 S	.98			4																			
SN899-12	1.00	176	0 N	85	80 S	.98			22	.001	.001							.001				.001	.001					
SN899-13	1.00	176	0 N	85	80 S	.98			5																			
SN899-14	1.00	176	0 N	85	80 S	.98			11																			
SN899-15	1.00	176	0 N	85	80 S	.98			10																			
SN899-15A	.50	176	0 N	85	80 S	.49			14																			
SN899-16	1.00	176	0 N	85	80 S	.98			5																			
SN899-17	1.00	176	0 N	90	80 S	.98			195	.006	.006							.006				.006	.006					
SN899-18	1.00	176	0 N	90	80 S	.98			289	.008	.008							.008				.008	.008					
SN899-19	1.00	176	0 N	90	80 S	.98			38	.001	.001							.001				.001	.001					
SN899-20	1.00	176	0 N	90	80 S	.98			391	.011	.011							.011				.011	.011					
SN8910-1	1.00	174	0 N	40	30 S	.32			24	.001	.001							.001				.001						
SN8910-2	1.00	174	0 N	40	30 S	.32			3,926	.115	.115							.115				.115	.037					
SN8910-3	1.00	174	0 N	40	30 S	.32			7																			
SN8910-4	1.00	174	0 N	40	30 S	.32			59	.002	.002							.002				.002	.001					
SN8910-5	1.00	174	0 N	85	80 S	.98			225	.007	.007							.007				.007	.006					
SN8910-6	1.00	174	0 N	85	80 S	.98			62	.002	.002							.002				.002	.002					
SN8910-7	1.00	174	0 N	85	80 S	.98			125	.004	.004							.004				.004	.004					
SN8910-8	1.00	174	0 N	85	80 S	.98			38	.001	.001							.001				.001	.001					
SN8910-9	1.00	174	0 N	85	80 S	.98			31	.001	.001							.001				.001	.001					
SN8910-10	1.00	174	0 N	85	80 S	.98			37	.001	.001							.001				.001	.001					
SN8910-11	1.00	177	0 N	85	80 S	.98			9																			
SN8910-12	1.00	177	0 N	85	80 S	.98			70	.002	.002							.002				.002	.002					
SN8910-13	1.00	177	0 N	85	80 S	.98			669	.020	.020							.020				.020	.019					
SN8910-14	1.00	177	0 N	85	80 S	.98			38	.001	.001							.001				.001	.001					
SN8910-15	1.00	177	0 N	85	80 S	.98			5																			
SN8910-16	1.00	177	0 N	20	35 S	.20			44	.001	.001							.001				.001						
SN8910-17	1.40	135	0 N	20	35 S	.27			662	.019	.019							.019				.019	.005					
SN8910-18	1.00	177	0 N	20	35 S	.20			32	.001	.001							.001				.001						
SN8910-19	1.00	177	0 N	85	80 S	.98			10																			
SN8910-20	1.00	177	0 N	85	80 S	.98			12																			
SN8910-21	1.00	175	0 N	85	80 S	.98			25	.001	.001							.001				.001	.001					
SN8911-1	1.00	6	0 N	34	20 S	.19			61	.002	.002							.002				.002						
SN8911-2	1.00	6	0 N	34	20 S	.19			205	.006	.006							.006				.006	.001					
SN8911-3	1.00	6	0 N	34	20 S	.19			22	.001	.001							.001				.001						
SN8911-4	1.00	4	0 N	70	25 S	.40			14																			
SN8911-5	1.00	4	0 N	70	25 S	.40			262	.008	.008							.008				.008	.003					
SN8911-6	1.00	4	0 N	70	25 S	.40			14,182	.414	.414	.388		.388	.118		.118	.307			.142	.142	.057					
SN8911-7	1.00	0	0 N	65	20 S	.31			317	.009	.009							.009				.009	.003					
SN8911-8	1.00	0	0 N	65	20 S	.31			47	.001	.001							.001				.001						
SN8911-9	1.00	0	0 N	65	20 S	.31			13																			
SN8911-10	1.00	0	0 N	30	30 S	.25			16																			
SN8911-11	.60	0	0 N	30	30 S	.15			5,536	.161	.161	.188		.188	.096		.096	.148			.104	.104	.016	1				
SN8911-12	1.60	0	0 N	30	30 S	.25			18,833	.549	.549	1.148		1.148	.213		.213	.637			.310	.310	.076	1				
SN8911-13	.70	0	0 N	30	30 S	.18			77	.002	.002							.002				.002		1				
SN8911-14	.70	0	0 N	30	30 S	.18			41	.001	.001							.001				.001		1				
SN8911-15	1.00	0	0 N	33	33 S	.30			64	.002	.002							.002				.002	.001	1	.073	6.56	2.503	2.00

2.00
1.05

SAMPLE NO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	FA/AA 20 GRAM	FA CONV OZ/TON	AVERAGE FA/AA/MI	FA 1/2AT OZ/TON	FA 1/2AT AV RERUN	AVERAGE FA 1/2AT	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	AVERAGE AU ASSAY	PAN +ASS OZ/TON	SV + ASS AV RERUN	PAN/SV AU AVG	***GOLD *OZ/TON	AU*IW	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SN8911-16	1.00	0	0 N	33	33 S	.30			5,159	.150	.150	.198		.198				.174				.174	.052	2	.108	4.46	3.703	1.36
SN8911-17	1.00	0	0 N	33	33 S	.30			48	.001	.001							.001				.001						
SN8911-18	1.00	0	0 N	33	33 S	.30			15																			
SN8911-19	1.00	0	0 N	33	33 S	.30			9																			
2.00																												
SN8911-20	.70	8	0 N	110	75 S	.64			3																			
SN8911-21	.80	8	0 N	110	75 S	.73			49	.001	.001							.001				.001	.001					
SN8911-22	1.00	8	0 N	110	75 S	.91			13																			
SN8911-23	1.00	8	0 N	110	75 S	.91			6																			
																									ERROR		ERROR	ERROR

2.00
.70

SAMPLE NO	LENGTH	SAMP AZ	SAMP DIP	ZONE AZ	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	FA/AA 20 GRAM	AVERAGE FA/AA/MI	FA 1/2AT OZ/TON	FA 1/2AT AV RERUN	AVERAGE FA 1/2AT	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	AVERAGE AU ASSAY	PAN *ASS OZ/TON	SV + ASS OZ/TON	SV + ASS AV RERUN	PAN/SV AU AVG	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SN8912-101P	1.00	160	10 N	70	45 S	.69					.123		.123	.079		.079	.101		.082		.082	.082	1				
SN8912-102P	.60	160	10 N	70	45 S	.44								2.121	2.462	2.292	2.292		2.301	2.628	2.465	2.465	1	.619	6.56	21.223	2.00
SN8912-103P	1.00	160	10 N	70	45 S	.67					.311		.311	.138		.138	.225		.145		.145	.145	2	.688	5.91	23.589	1.80
SN8912-1P	1.00	145	20 N	50	40 S	.91								.141	.226	.189	.139	.187	.246		.217	.217	1				
SN8912-2P	.70	145	20 N	50	40 S	.65								.172	.264	.218	.218	.229	.268		.249	.249	1				
SN8912-3P	.50	145	0 N	50	40 S	.38								.180	.182	.181	.181	.226	.204		.215	.215	1				
SN8912-4P	1.00	145	0 N	50	40 S	.49	.06							.001		.001	.001	.001			.001	.001	2	.220	6.56	7.543	2.00
SN8912-5P	1.00	145	0 N	50	40 S	.49								.048		.048	.048	.065			.065	.065					
SN8912-104P	1.00	153	20 N	33	30 S	.86					.205		.205	.179		.179	.192		.218		.218	.218	1				
SN8912-105P	.60	153	20 N	33	30 S	.48								.419	.337	.378	.378		.482	.393	.438	.438	1	.215	6.56	7.371	2.00
SN8912-106P	.60	153	20 N	33	30 S	.59					.054		.054				.054					.054	2	.222	6.33	7.611	1.93
SN8912-6P	.85	130	65 N	22	25 S	.81								.699	.113	.406	.406	.757	.139		.448	.448	1	.670	6.56	22.972	2.00
SN8912-7P	.70	130	65 N	22	25 S	.66								.042	1.701	.872	.872	1.111	1.850		1.481	1.481	2	.912	4.82	31.269	1.47
SN8912-8P	1.00	132	31 N	22	24 S	.94								.286	.379	.333	.333	.582	.503		.543	.543	1				
SN8912-9P	.45	132	38 N	22	24 S	.44								1.825	2.810	2.318	2.318	3.097	3.271		3.184	3.184	1				
SN8912-10P	1.00	132	49 N	22	24 S	.62								.048	.050	.049	.049	.083	.063		.073	.073	2	.978	6.56	33.532	2.00
SN8912-11P	.80	130	70 N	22	25 S	.76								.036	.115	.076	.076	.072	.128		.100	.100	1	.483	6.56	16.560	2.00
SN8912-12P	.65	130	70 N	22	25 S	.62								.800	1.226	1.013	1.013	1.514	1.354		1.434	1.434	2	.699	4.53	23.966	1.38
																								.710	6.56	24.354	2.00
SN8912-107P	.50	135	22 N	35	23 S	.39								.334	.311	.323	.323		.392	.363	.378	.378	1				
SN8912-108P	.70	135	22 N	35	23 S	.57								1.665	.870	1.268	1.268		1.754	1.121	1.438	1.438	1	.485	6.56	16.629	2.00
SN8912-109P	.50	135	33 N	35	23 S	.51					.005		.005				.005					.005	2	.659	4.82	22.594	1.47
SN8912-13P	1.10	120	55 N	40	25 S	1.08								.030		.030	.030	.038			.038	.038					
SN8912-14P	1.10	120	55 N	40	25 S	1.08	.17							.048	.099	.074	.074	.075	.102		.089	.089	1				
SN8912-15P	.90	120	55 N	40	25 S	.89								.617	1.310	.964	.964	1.057	1.482		1.270	1.270	1				
SN8912-16P	.95	120	55 N	40	25 S	.94								.087	.118	.103	.103	.117	.124		.121	.121	2	.629	6.56	21.566	2.00
SN8912-30P	1.00	126	0 N	46	23 S									.006		.006	.006	.013			.013	.013					
SN8912-29P	1.00	126	0 N	46	23 S									.005		.005	.005	.025			.025	.025					
SN8912-28P	1.00	126	0 N	46	23 S									.007		.007	.007	.022			.022	.022					
SN8912-27P	1.00	126	0 N	46	23 S									.018		.018	.018	.059			.059	.059					
SN8912-26P	1.00	126	0 N	45	23 S	.05	.05							.023		.023	.023	.055			.055	.055	1				
SN8912-25P	1.00	126	25 N	46	23 S	.77								.123	.235	.179	.179	.179	.260		.220	.220	1				
SN8912-17P	.70	126	30 N	40	25 S	.74								.359	.500	.430	.430	.566	.696		.632	.632	1				
SN8912-18P	.40	126	67 N	40	25 S	.44								.605	.971	.788	.788	1.108	1.181		1.145	1.145	2	.572	6.56	19.612	2.00
SN8912-19P	.35	126	66 N	40	25 S	.93								.028		.028	.028	.048			.048	.048					
SN8912-20P	.60	126	0 N	40	25 S	.02	.02							.002		.002	.002	.002			.002	.002					
SN8912-24P	.80	135	65 N	50	25 S									.024		.024	.024	.041			.041	.041					
SN8912-23P	.85	135	65 N	50	25 S	.81	.47							.038		.038	.038	.049			.049	.049	1				
SN8912-22P	.75	135	65 N	50	25 S	.72								.923	1.409	1.166	1.166	1.236	2.522		1.879	1.879	1				
SN8912-21P	.85	135	65 N	50	25 S	.81								.125	.113	.119	.119	.171	.116		.144	.144	2	.746	6.56	25.577	2.00
																								.649	6.56	22.252	2.00
SN8912-110P	1.00	125	0 N	56	35 S	.48					.009		.009				.009					.009					
SN8912-111P	1.00	125	29 N	56	35 S	.91					.052		.052				.052					.052					
SN8912-112P	1.00	125	6 N	56	35 S	.59					.017		.017				.017					.017					
SN8912-113P	1.00	125	17 N	56	35 S	.81					.003		.003				.003					.003					
SN8912-114P	1.00	125	34 N	56	35 S	1.05					.003		.003				.003					.003					
SN8912-115P	1.00	125	32 N	56	35 S	1.07	.33				.018		.018				.018					.018	1				
SN8912-116P	1.00	125	23 N	56	35 S	.85					.020		.020				.020					.020	1				
SN8912-117P	1.00	125	23 N	56	35 S	.82								1.655	.628	1.142	1.142		1.757	.704	1.231	1.231	2	.516	6.56	17.692	2.00
SN8912-118P	1.00	125	30 N	56	35 S	.72					.006		.006				.006					.006					
SN8912-119P	1.00	123	28 N	36	35 S	1.03					.030		.030				.030					.030	1				
SN8912-120P	1.00	123	25 N	36	35 S	.95								1.336	.737	1.037	1.037		1.518	.802	1.160	1.160	1				
SN8912-121P	1.00	123	28 N	36	35 S	.97	.02				.011		.011				.011					.011	2	.567	6.56	19.440	2.00
SN8912-40P	1.00	140	0 N	45	50 S									.005		.005	.005	.006			.006	.006					

SAMPLE NO	LENGTH	SAMP AZ	SAMP DIP	ZONE AZ	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	AVERAGE FA/AA/MI	FA 1/2AT OZ/TON	FA 1/2AT AV RERUN	AVERAGE FA 1/2AT	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	AVERAGE AU ASSAY	PAN +ASS OZ/TON	SV + ASS OZ/TON	SV + ASS AV RERUN	PAN/SV AU AVG	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SN8912-39P	1.00	135	0 N	45	50 S								.026		.026	.026	.033			.033	.033					
SN8912-38P	1.00	135	0 N	45	50 S								.011		.011	.011	.014			.014	.014					
SN8912-37P	1.00	135	0 N	45	50 S								.002		.002	.002	.006			.006	.006					
SN8912-36P	.50	130	16 N	50	33 S	.43	.04						.017		.017	.017	.026			.026	.026	1				
SN8912-35P	.70	130	0 N	50	33 S	.47							.003		.003	.003	.007			.007	.007	1				
SN8912-34P	1.00	147	3 N	50	33 S	.60							.016		.016	.016	.030			.030	.030	1				
SN8912-33P	.50	150	20 N	50	33 S	.39							1.548		1.548	1.548	2.136			2.136	2.136	1				
SN8912-32P	.70	150	5 N	50	33 S	.50							.035		.035	.035	.063			.063	.063	2	.443	6.56	15.189	2.00
SN8912-31P	1.00	150	19 N	50	33 S	.82	.04						.004		.004	.004	.008			.008	.008					
SN8912-41P	1.00	135	0 N	41	53 S								.005		.005	.005	.005			.005	.005					
SN8912-42P	.80	135	0 N	41	53 S								.003		.003	.003	.003			.003	.003					
SN8912-43P	.60	135	0 N	41	53 S								.008		.008	.008	.010			.010	.010					
SN8912-44P	.85	135	0 N	41	53 S								.006		.006	.006	.006			.006	.006					
SN8912-45P	.90	135	0 N	41	53 S								.002		.002	.002	.002			.002	.002					
SN8912-46P	.60	136	8 N	41	53 S	.47							.002		.002	.002	.002			.002	.002					
SN8912-47P	.45	136	6 N	41	53 S	.40							.099		.099	.099	.132	.099		.116	.116	1				
SN8912-48P	.90	136	21 N	41	53 S	.94							.006		.006	.006	.006			.006	.006	1	.092	6.56	3.154	2.00
SN8912-49P	.60	136	16 N	41	53 S	.64							.112	.223	.168	.168	.182	.234		.208	.208	2	.093	6.50	3.189	1.98
SN8912-50P	1.00	137	11 N	41	53 S	1.01	.55						.002		.002	.002	.003			.003	.003	1				
SN8912-51P	.90	138	4 N	41	53 S	.76							.140	.186	.163	.163	.216	.261		.239	.239	1				
SN8912-52P	.50	138	5 N	41	53 S	.36							.213	.216	.215	.215	.268	.226		.247	.247	1				
SN8912-53P	.50	138	12 N	41	53 S	.33							.048		.048	.048	.061			.061	.061	2	.146	6.56	5.006	2.00
SN8912-54P	.50	138	0 N	41	53 S								.003		.003	.003	.004			.004	.004					
SN8912-55P	.80	138	0 N	41	53 S								.002		.002	.002	.008			.008	.008					
SN8912-56P	.80	135	0 N	41	53 S								.002		.002	.002	.003			.003	.003					
SN8912-57P	.75	135	0 N	41	53 S								.054		.054	.054	.063			.063	.063					
SN8912-58P	.75	135	0 N	41	53 S								.098	.117	.108	.108	.121	.128		.125	.125					
SN8912-59P	1.00	135	0 N	41	53 S								.007		.007	.007	.009			.009	.009					
SN8912-60P	1.00	143	0 N	58	64 S								.012		.012	.012	.014			.014	.014					
SN8912-61P	1.00	143	0 N	58	64 S								.001		.001	.001	.002			.002	.002					
SN8912-62P	.50	143	0 N	58	64 S	.05	.05						.160	.217	.189	.189	.205	.296		.251	.251	1				
SN8912-63P	.80	143	0 N	58	64 S	.74							.009		.009	.009	.011			.011	.011	1				
SN8912-64P	.80	143	4 S	58	64 S	.75							.006		.006	.006	.007			.007	.007	1				
SN8912-65P	.50	143	4 S	58	64 S	.46							.221	.332	.277	.277	.283	.359		.321	.321	2	.087	6.56	2.983	2.00
SN8912-66P	1.00	143	3 S	58	64 S	.84							.005		.005	.005	.006			.006	.006					
SN8912-67	1.00	143	0 N	58	64 S								.002		.002	.002	.002			.002	.002					
SN8912-68	1.00	143	0 N	52	70 S								.001		.001	.001	.001			.001	.001					
SN8912-69	1.00	143	0 N	55	75 S								.001		.001	.001	.001			.001	.001					
SN8912-70	1.00	143	0 N	55	75 S								.001		.001	.001	.001			.001	.001					
SN8912-71P	1.00	143	0 N	55	75 S								.003		.003	.003	.004			.004	.004					
SN8912-72P	1.00	143	0 N	55	75 S								.005		.005	.005	.005			.005	.005					
SN8912-73P	.70	143	0 N	55	75 S								.001		.001	.001	.001			.001	.001					
SN8912-74P	.70	143	0 N	55	75 S								.026		.026	.026	.030			.030	.030					
SN8912-75	1.00	143	0 N	55	75 S								.001		.001	.001	.001			.001	.001					
SN8912-76	1.00	143	0 N	55	75 S								.001		.001	.001	.001			.001	.001					
SN8912-77	1.00	143	0 N	55	75 S								.001		.001	.001	.003			.003	.003					
SN8912-78	.70	143	0 N	55	75 S								.001		.001	.001	.001			.001	.001					
SN8912-79	1.00	143	0 N	55	75 S								.002		.002	.002	.003			.003	.003					
SN8912-80	1.00	143	0 N	55	75 S								.003		.003	.003	.004			.004	.004					
SN8912-122P	1.00	135	0 N	48	57 S								.008	.011	.010	.010		.011		.011	.011					
SN8912-123P	1.00	135	0 N	48	57 S								.004	.003	.004	.004		.003		.003	.003					
SN8912-124P	1.00	135	0 N	48	57 S								.008	.008	.008	.008		.010		.010	.010					
SN8912-125P	1.00	135	0 N	48	57 S	.86							.359	.216	.288	.288		.226		.226	.226	1				
SN8912-126P	1.00	135	0 N	48	57 S	.85							.031	.025	.028	.028		.025		.025	.025	1				
SN8912-127P	1.00	135	0 N	48	57 S	.82	.29			.070		.070				.070		.066		.066	.066	2	.117	6.56	4.011	2.00
SN8912-81P	1.00	164	13 N	72	52 S								.002		.002	.002	.003			.003	.003					
SN8912-82P	1.10	164	1 N	72	52 S								.003		.003	.003	.003			.003	.003					
SN8912-83P	.50	164	9S	72	52 S	.53							.094	.090	.092	.092	.126	.091		.109	.109	1				
SN8912-84P	.50	164	7S	72	52 S	.40							.046		.046	.046	.060			.060	.060	1				
SN8912-85P	.80	164	0 N	72	52 S	.58							.190	1.073	.632	.632	.276	1.619		.948	.948	1				

SAMPLE NO	LENGTH	SAMP AZ	SAMP DIP	ZONE AZ	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	NIBK PPB	FA/AA 20 GRAM	AVERAGE FA/AA/MI	FA 1/2AT OZ/TON	FA 1/2AT AV RERUN	AVERAGE FA 1/2AT	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	AVERAGE AU ASSAY	PAN +ASS OZ/TON	SV + ASS OZ/TON	SV + ASS AV RERUN	PAN/SV AU AVG	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SN8912-86P	1.00	164	0 N	72	52 S	.72	.49							.003		.003	.003	.004			.004	.004	2	.317	6.56	10.869	2.00
SN8912-87P	1.00	164	0 N	72	52 S									.003		.003	.003	.003			.003	.003					
SN8912-88P	.70	135	0 N	85	35 S	.67	.66							.006		.006	.006	.009			.009	.009	1				
SN8912-89P	.70	135	0 N	85	35 S	.67								1.587	2.387	1.987	1.987	2.031	2.638		2.335	2.335	1				
SN8912-90P	.70	135	0 N	85	35 S	.67								.029		.029	.029	.037			.037	.037.	2	.797	6.56	27.326	2.00
																								.472	6.56		2.00
SN8912-91P	.75	165	0 N	74	80 S	.68	.68							.005		.005	.005	.006			.006	.006					
SN8912-92P	.75	165	0 N	72	80 S	.70								.002		.002	.002	.004			.004	.004					
SN8912-93P	.90	165	0 N	55	80 S	.73								.014		.014	.014	.017			.017	.017					
SN8912-94P	.50	138	0 N	65	72 S	.50								.056		.056	.056	.066			.066	.066	1				
SN8912-95P	.70	138	16 N	65	72 S	.78								.017		.017	.017	.023			.023	.023	1				
SN8912-96P	.75	138	4 S	65	72 S	.70								.175	.160	.168	.168	.197	.161		.179	.179	1				
SN8912-97P	.75	138	3 S	65	72 S	.72	.02							.020		.020	.020	.024			.024	.024	2	.088	6.56	3.017	2.00
SN8912-98P	1.00	138	0 N	55	80 S									.001		.001	.001	.001			.001	.001					
SN8912-99P	1.00	138	0 N	55	80 S									.001		.001	.001	.001			.001	.001					
SN8912-100P	.80	138	0 N	55	80 S									.003		.003	.003	.003			.003	.003					
SN8912-150	1.00	40	0 N	120	80 S						.002		.002				.002					.002					
SN8912-136	1.00	170	0 N	75	75 S				23	.001							.001					.001					
SN8912-137	1.00	170	0 N	75	75 S				31	.001							.001					.001					
SN8912-138	1.00	170	0 N	75	75 S				35	.001							.001					.001					
SN8912-139P	1.00	168	7 S	66	77 S	.97					.410		.410	.350		.350	.380		.356		.356	.356	1				
SN8912-140P	1.00	168	0 S	66	77 S	.96					.006		.006				.006					.006	1				
SN8912-141P	1.00	168	3 S	66	77 S	.95	.07				.020		.020				.020					.020	2	.176	6.56	6.034	2.00
SN8912-142P	1.00	170	0 N	65	75 S						.002		.002				.002					.002					
SN8912-143P	1.00	170	0 N	65	75 S						.013		.013				.013					.013					
SN8912-144	1.00	170	0 N	65	75 S				14																		
SN8912-145	1.00	170	0 N	65	75 S				8																		
SN8912-146	1.00	170	0 N	65	75 S				1																		
SN8912-147	1.00	170	0 N	65	75 S				1																		
SN8912-148	1.00	145	0 N	60	75 S				11																		
SN8912-149P	1.00	145	0 N	60	75 S						.013		.013				.013					.013					
SN8912-128P	1.00	155	0 N	60	77 S									.009		.009	.009		.009		.009	.009					
SN8912-129P	1.00	338	9 N	60	77 S	1.07	.03							.012		.012	.012		.012		.012	.012	1				
SN8912-130P	1.00	336	3 N	60	77 S	1.08								.137	.154	.146	.146		.153	.154	.154	.154	1				
SN8912-131P	1.00	155	3 S	60	77 S	.59								.281	.138	.210	.210		.302	.139	.221	.221	2	.181	6.56	6.206	2.00
SN8912-132P	1.00	155	3 S	60	77 S	.97								.003		.003	.003		.004		.004	.004					
SN8912-133P	1.00	155	0 N	60	77 S						.001		.001				.001					.001					
SN8912-134P	1.00	155	0 N	60	77 S						.001		.001				.001					.001					
SN8912-135P	1.00	155	0 N	60	77 S						.001		.001				.001					.001					
SN8912-152P	.50	125	0 N	45	60 S									.035		.035	.035		.036		.036	.036					
SN8912-151P	1.00	125	0 N	45	60 S									.014		.014	.014		.014		.014	.014					
SN8912-153	1.00	175	0 N	80	75 S									.001		.001	.001					.001					
SN8912-154P	.50	175	0 N	80	75 S									.137		.137	.137		.148		.148	.148					
SN8912-155P	.50	175	0 N	80	75 S									.029		.029	.029		.029		.029	.029					
SN8912-156	1.00	175	0 N	80	75 S									.001		.001	.001					.001					
SN8912-157	1.00	175	0 N	80	75 S									.001		.001	.001					.001					
SN8912-162P	.50	150	0 N	50	70 S									.001		.001	.001		.001		.001	.001					
SN8912-158	.80	5	0 N	90	80 S									.001		.001	.001					.001					
SN8912-159P	.50	5	0 N	90	80 S									.027		.027	.027		.027		.027	.027					
SN8912-160	1.00	5	0 N	90	80 S									.001		.001	.001					.001					
SN8912-161	1.00	5	0 N	90	80 S									.001		.001	.001					.001					
SN8912-163	1.00	170	0 N	70	75 S									.001		.001	.001					.001					
SN8912-164P	.50	170	0 N	70	75 S									.035		.035	.035		.036		.036	.036					
SN8912-165P	.50	170	0 N	70	75 S									.088		.088	.088		.090		.090	.090					
SN8912-166	1.00	170	0 N	70	75 S									.002		.002	.002					.002					

SAMPLE NO	LENGTH	SAMP AZ	SAMP DIP	ZONE AZ	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	FA/AA 20 GRAM	AVERAGE FA/AA/MI	FA 1/2AT OZ/TON	FA 1/2AT AV RERUN	AVERAGE FA 1/2AT	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	AVERAGE AU ASSAY	PAN +ASS OZ/TON	SV + ASS OZ/TON	SV + ASS AV RERUN	PAN/SV AU AVG	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SN8912-167	1.00	40	0 N	115	70 S									.001		.001	.001					.001					
SN8912-168P	.50	40	0 N	115	70 S									.091		.091	.091		.097		.097	.097					
SN8912-169P	.50	40	0 N	115	70 S									.067		.067	.067		.068		.068	.068					
SN8912-170	1.00	40	0 N	115	70 S									.001		.001	.001					.001					
SN8912-171	1.00	170	0 N	65	70 S									.001		.001	.001					.001					
SN8912-172P	.50	170	0 N	65	70 S									.002		.002	.002		.002		.002	.002					
SN8912-173P	.50	170	0 N	65	70 S									.005		.005	.005		.005		.005	.005					
SN8912-174	.50	170	0 N	65	70 S									.007		.007	.007					.007					
SN8912-175P	.40	135	0 N	35	85 S	.38								.009		.009	.009		.013		.013	.013	1				
SN8912-176P	1.20	135	0 N	35	85 S	1.14								.560	.943	.752	.752		.592	.967	.780	.780	1	.448	6.56	15.360	2.00
SN8912-177P	.40	135	0 N	35	85 S	.38								.005		.005	.005		.005		.005	.005	2	.471	6.23	16.149	1.90
SN8912-178P	.40	135	0 N	35	85 S	.38								.006		.006	.006		.007		.007	.007	1				
SN8912-179P	1.20	135	0 N	35	85 S	1.14								.273	.293	.283	.283		.285	.302	.294	.294	1	.170	6.56	5.829	2.00
SN8912-180P	.40	135	0 N	35	85 S	.38								.006		.006	.006		.006		.006	.006	2	.179	6.23	6.137	1.90
1990 fill-in samples, west to east																											
SN8912-184P				75	66 S	.90								.015		.015	.015					.015					
SN8912-185P				75	66 S	.90													.070		.070	.070					
SN8912-186P				75	66 S	.90		21		.001							.001					.001					
SN8912-187P						.98	.04							.003		.003	.003					.003	1				
SN8912-188P				77	80 S	.98													.210		.210	.210	1				
SN8912-189P						.98		240		.007							.007					.007	2	.106	6.56	3.634	2.00
SN8912-190P						.86		3740		.109							.109					.109					
SN8912-191P						1.31	1.11												.027		.027	.027	1				
SN8912-192P				73	63 S	.89													.535		.535	.535	2	.253	6.56	8.674	2.00
SN8912-193P						.85													.024		.024	.024					
SN8912-194P						.92		80		.002							.002					.002					
SN8912-195P						.97		63		.002							.002					.002					
SN8912-196P				68	77 S	1.03	1.01												.052		.052	.052	1				
SN8912-197P						.99													.257		.257	.257	2	.153	6.56	5.246	2.00
SN8912-198P						.96		18		.001							.001					.001					
SN8912-199P				61	67 S	.70								.003		.003	.003					.003					
SN8912-200P						1.00													.008		.008	.008					
SN8912-201						.94		13																			
SN8912-202						.92		31		.001							.001					.001					
SN8912-203P						.66													.048		.048	.048					
SN8912-204P						.66													.025		.025	.025					
SN8912-205				61	67 S	1.04								.002		.002	.002					.002					
SN8912-206				34	55 S	.70		6																			
SN8912-207						.66		170		.005							.005					.005					
SN8912-208						.90	.12							.002		.002	.002					.002	1				
SN8912-209P						.90													.023		.023	.023	1				
SN8912-210P				34	55 S	.88													.212		.212	.212	2	.114	6.56	3.909	2.00
SN8912-211P						1.10	.59							.012		.012	.012					.012	1				
SN8912-212P				58	44 S	1.01													.356		.356	.356	2	.186	6.56	6.377	2.00
SN8912-213						1.20		87		.003							.003					.003					
SN8912-214P						.83	.28							.025		.025	.025					.025	1				
SN8912-215P						.81													2.864		2.864	2.864	1				
SN8912-216P				52	44 S	.89													.047		.047	.047	1				
SN8912-217						1.15	.02	11															2	1.184	6.56	40.595	2.00
SN8912-181P						.88	.34												.024		.024	.024	1				
SN8912-182P				47	45 S	.72													1.048		1.048	1.048	1				

SAMPLE NO	LENGTH	SAMP AZ	SAMP DIP	ZONE AZ	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	FA/AA 20 GRAM	AVERAGE FA/AA/MI	FA 1/2AT OZ/TON	FA 1/2AT AV RERUN	AVERAGE FA 1/2AT	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	AVERAGE AU ASSAY	PAN +ASS OZ/TON	SV + ASS OZ/TON	SV + ASS AV RERUN	PAN/SV AU AVG	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SN8912-183P						.94													.064		.064	.064	2	.411	6.56	14.092	2.00

SAMPLE NO	LENGTH	SAMP AZ	SAMP DIP	ZONE AZ	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	WIDTH PPB	FA/AA 20 GRAM	FA CONV OZ/TON	AVERAGE FA/AA/HI	FA 1/2AT OZ/TON	FA 1/2AT AV RERUN	AVERAGE FA 1/2AT	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	AVERAGE AU ASSAY	PAN +ASS OZ/TON	SV + ASS OZ/TON	SV + ASS AV RERUN	PAN/SV AU AVG	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET
SN8913-1P	1.00	12	0 N	95	10 S	.17									.002		.002	.002	.004			.004	.004			
SN8913-2P	1.00	12	0 N	95	10 S	.17									.010		.010	.010	.013			.013	.013			
SN8913-3P	1.00	12	15 N	87	19 S	.51	.46								.131	.440	.286	.286	.157	.496		.327	.327	1		
SN8913-4P	1.00	12	22 N	87	19 S	.56									.027		.027	.027	.036			.036	.036	1		
SN8913-5P	.75	12	22 N	87	19 S	.48									.281	.477	.379	.379	.375	.713		.544	.544	1		
SN8913-6P	.75	12	26 N	87	19 S	.50									1.412	1.035	1.224	1.224	1.647	1.258		1.453	1.453	2	.579	6.56
SN8913-7P	.75	12	0 N	87	15 S	.19									.020		.020	.020	.027			.027	.027			
SN8913-8P	.75	12	0 N	95	15 S	.19									.002		.002	.002	.003			.003	.003			
SN8913-9P	1.00	12	0 N	95	15 S	.26									.001		.001	.001	.001			.001	.001			
SN8913-10P	1.00	11	29 N	90	20 S	.81									.148		.148	.148	.191			.191	.191			
SN8913-11P	1.00	11	34 N	90	20 S	.91									.018		.018	.018	.035			.035	.035			
SN8913-12P	1.00	11	0 N	95	10 S	.17									.005		.005	.005	.009			.009	.009			
SN8913-13P	1.00	11	0 N	95	10 S	.17									.002		.002	.002	.009			.009	.009			
SN8913-14P	1.00	11	23 N	76	23 S	.75									.022		.022	.022	.039			.039	.039			
SN8913-15P	1.00	11	25 N	76	23 S	.68	.67								.006		.006	.006	.041			.041	.041	1		
SN8913-16P	.75	11	26 N	76	23 S	.50									.648	.917	.783	.783	.917	1.109		1.013	1.013	1		
SN8913-17P	.75	11	32 N	76	23 S	.83									.071		.071	.071	.078			.078	.078	2	.299	6.56
SN8913-18P	1.00	11	0 N	95	15 S	.26									.003		.003	.003	.011			.011	.011			
SN8913-19P	.50	175	0 N	60	40 S	.28									.006		.006	.006	.006			.006	.006			
SN8913-20P	.75	175	0 N	60	40 S	.42									.004		.004	.004	.004			.004	.004			
SN8913-21P	.75	175	0 N	60	40 S	.42									.002		.002	.002	.002			.002	.002			
SN8913-22P	1.00	175	0 N	60	40 S	.56									.001		.001	.001	.001			.001	.001			
SN8913-23P	1.00	175	0 N	60	40 S	.56									.001		.001	.001	.002			.002	.002			
SN8913-24P	1.00	175	0 N	85	30 S	.50									.001		.001	.001	.001			.001	.001			
SN8913-25P	1.00	175	0 N	81	26 S	.43									.001		.001	.001	.001			.001	.001			
SN8913-26P	1.00	175	0 N	81	26 S	.43									.001		.001	.001	.001			.001	.001			
SN8913-27P	1.00	0	22 N	81	26 S	1.01									.001		.001	.001	.002			.002	.002			
SN8913-28P	.50	0	12 N	81	26 S	.42	.31								.077		.077	.077	.091			.091	.091	1		
SN8913-29P	.50	0	0 N	81	26 S	.23									.039		.039	.039	.045			.045	.045	1		
SN8913-30P	.50	0	20 N	81	26 S	.36									.046		.046	.046	.058			.058	.058	1		
SN8913-31P	.75	0	20 N	81	26 S	.55									.007		.007	.007	.008			.008	.008	1		
SN8913-32P	.75	0	24 N	81	26 S	.55									.184	.087	.136	.136	.222	.208		.215	.215	2	.091	6.56
SN8913-33P	1.00	0	0 N	81	26 S	.43									.001		.001	.001	.003			.003	.003			
SN8913-34P	1.00	0	0 N	81	26 S	.43									.001		.001	.001	.001			.001	.001			
SN8913-35P	1.00	10	2 N	67	21 S	.39									.115	.120	.118	.118		.132	.128	.130	.130	1		
SN8913-36P	.65	10	2 N	67	21 S	.25									.242	.208	.225	.225		.254	.215	.235	.235	1		
SN8913-37P	.50	10	6 N	67	21 S	.23									3.069	2.359	2.714	2.714		3.764	2.659	3.212	3.212	1	.468	6.56
SN8913-38P	1.00	10	12 N	67	21 S	.56									.127	.140	.134	.134		.158	.156	.157	.157	2	.654	4.69
SN8913-39P	1.00	11	0 N	90	33 S	.54	.17								.008	.023	.016	.016		.024		.024	.024	1		
SN8913-40P	1.00	11	0 N	90	33 S	.54									.010	.025	.018	.018		.030		.030	.030	1		
SN8913-41P	1.00	11	1 N	90	33 S	.62									.342	.557	.450	.450		.585		.585	.585	1		
SN8913-42P	.50	11	8 N	90	33 S	.34									3.295	3.483	3.389	3.389		3.769		3.769	3.769	1		
SN8913-43P	.50	11	8 N	90	33 S	.33									.667	.606	.637	.637		.694		.694	.694	2	.947	6.56
SN8913-44P	1.00	10	7 N	100	28 S	.43									.028	.044	.036	.036		.047		.047	.047	1		
SN8913-45P	1.00	10	7 N	100	28 S	.60									.031	.031	.031	.031		.036		.036	.036	1		
SN8913-46P	.50	10	7 N	100	28 S	.28									2.253	3.246	2.749	2.749		3.142	4.834	3.988	3.988	1	.593	6.56
SN8913-47P	1.00	10	7 N	100	28 S	.68									.011	.037	.024	.024		.041		.041	.041	2	.596	6.53
SN8913-48P	1.00	20	7 N	104	30 S	.57									.278	.382	.330	.330		.417		.417	.417	1		
SN8913-49P	.50	20	7 N	104	30 S	.29									.561	.222	.392	.392		.246		.246	.246	1		
SN8913-50P	.60	20	7 N	104	30 S	.35									1.334	3.214	2.274	2.274		3.324	3.640	3.482	3.482	1	.817	6.56
SN8913-51P	1.00	20	7 N	104	30 S	.57									.139	.180	.160	.160		.188		.188	.188	2	.918	5.84
SN8913-52P	1.00	18	3 N	105	25 S	.46									.195	.148	.172	.172		.158		.158	.158	1		
SN8913-53P	1.00	18	2 N	105	25 S	.43									.332	.385	.359	.359		.425		.425	.425	1		
SN8913-54P	.70	18	0 N	105	25 S	.27									3.708	5.815	4.761	4.761		5.460	7.490	6.475	6.475	1	1.079	6.56
SN8913-55P	.70	18	2 N	105	25 S	.34									.351	.435	.393	.393		.452		.452	.452	2	1.438	4.92
SN8913-56P	1.00	0	1 N	89	20 S	.40									.083	.069	.076	.076		.077		.077	.077	1		

SAMPLE NO	LENGTH	SAMP AZ	SAMP DIP	ZONE AZ	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK FA 1/2AT PPB	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	AVERAGE AU ASSAY	PAN +ASS OZ/TON	SV + ASS OZ/TON	SV + ASS AV RERUN	PAN/SV AU AVG	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SN8913-57P	1.00	0	2 N	89	20 S	.42			.868	.491	.680	.680		.520		.520	.520	1				
SN8913-58P	.70	0	3 N	89	20 S	.33			4.929	4.909	4.919	4.919		4.577	5.883	5.230	5.230	1	1.019	6.56	34.937	2.00
SN8913-59P	.50	0	6 N	89	20 S	.25			.250	.232	.241	.241		.249		.249	.249	2	1.455	4.59	49.886	1.40
SN8913-60P	.70	3	0 N	87	20 S	.27			.047	.062	.055	.055		.068		.068	.068	1				
SN8913-61P	.70	3	12 N	87	20 S	.39			.806	.624	.715	.715		.646	.700	.673	.673	1	.239	6.56	8.194	2.00
SN8913-62P	1.00	3	8 N	87	20 S	.48			.410	.335	.372	.372		.385	.439	.412	.412	2	.420	3.74	14.400	1.14
SN8913-63P	1.00	6	0 N	90	30 S	.50			.007		.007	.007					.007	1				
SN8913-64P	1.05	6	12 N	90	30 S	.72								.447		.447	.447	1	.175	6.56	6.000	2.00
SN8913-65P	1.00	6	14 N	90	30 S	.75			.033		.033	.033					.033	2	.178	6.46	6.103	1.97
SN8913-66P	.98	5	8 N	92	33 S	.62			.029		.029	.029					.029	1				
SN8913-67P	.80	5	17 N	92	33 S	.58								2.782		2.782	2.782	1	.824	6.56	28.252	2.00
SN8913-68P	.68	5	22 N	92	33 S	.58			.030		.030	.030					.030	2	.926	5.84	31.749	1.78
SN8913-69P	.55	2	12 N	92	20 S	.25			.018		.018	.018					.018	1				
SN8913-70P	.65	2	32 N	92	20 S	.48								3.727		3.727	3.727	1	.915	6.56	31.372	2.00
SN8913-71P	1.00	2	5 N	92	20 S	.44			.085		.085	.085					.085	2	1.565	3.84	53.658	1.17
SN8913-72P	1.00	2	10 N	92	20 S	.35			.081		.081	.081					.081	1				
SN8913-73P	.75	2	7 N	92	20 S	.33								2.132		2.132	2.132	1				
SN8913-74P	.95	2	7 N	92	20 S	.38								3.393		3.393	3.393	1	1.027	6.56	35.212	2.00
SN8913-75P	1.00	2	0 N	92	20 S	.37			.086		.086	.086					.086	2	1.436	4.69	49.235	1.43
SN8913-76P	.85	7	6 N	97	29 S	.46			.045		.045	.045					.045					
SN8913-77P	1.00	7	0 N	97	29 S	.53								.281		.281	.281	1				
SN8913-78P	1.13	7	11 N	97	29 S	.65								3.918		3.918	3.918	1	1.369	6.56	46.938	2.00
SN8913-79P	1.00	7	12 N	97	29 S	.80			.052		.052	.052					.052	2	1.382	6.50	47.383	1.98
SN8913-80P	.65	0	9 N	90	27 S	.43			.132		.132	.132					.132	1				
SN8913-81P	.63	0	20 N	90	27 S	.43								3.405		3.405	3.405	1	.772	6.56	26.469	2.00
SN8913-82P	1.00	0	10 N	90	27 S	.52			.044		.044	.044					.044	2	1.119	4.53	38.366	1.38
SN8913-83P	.75	7	24 N	98	20 S	.56			.005		.005	.005					.005					
SN8913-84P	.85	7	14 N	98	20 S	.58			.003		.003	.003					.003					
SN8913-85P	.65	7	19 N	98	20 S	.35	.17							.415		.415	.415	1				
SN8913-86P	.85	7	22 N	98	20 S	.61			.010		.010	.010					.010	1				
SN8913-87P	.95	7	31 N	89	21 S	.72			.042		.042	.042					.042	1				
SN8913-88P	.85	7	24 N	89	21 S	.50								.594		.594	.594	2	.202	6.56	6.926	2.00
SN8913-89P	1.20	7	29 N	89	21 S	.86			.005		.005	.005					.005					
SN8913-90P	1.10	16	28 N	106	29 S	.94			.016		.016	.016					.016					
SN8913-91P	1.15	16	28 N	106	29 S	.96			.002		.002	.002					.002					
SN8913-92P	.80	16	16 N	106	29 S	.61								.174		.174	.174					
SN8913-93P	.90	16	21 N	106	29 S	.76			.007		.007	.007					.007					
SN8913-94P	1.15	350	20 N	80	17 S	.72			.017		.017	.017					.017	1				
SN8913-95P	1.00	350	17 N	80	17 S	.59			.045		.045	.045					.045	1	.213	6.56	7.303	2.00
SN8913-96P	.60	350	25 N	80	17 S	.46								.843		.843	.843	2	.241	5.81	8.263	1.77
SN8913-97P	.90	350	26 N	80	17 S	.71			.011		.011	.011					.011					
SN8913-98P	.50	5	2 N	95	21 S	.26			.021		.021	.021					.021	1				
SN8913-99P	.60	5	20 N	95	21 S	.50								.213		.213	.213	1	.057	6.56	1.954	2.00
SN8913-100P	.70	5	25 N	95	21 S	.54			.004		.004	.004					.004	2	.088	4.27	3.017	1.30
SN8913-101P	.80	5	35 N	95	21 S	.84			.002		.002	.002					.002					
SN8913-102P	1.05	163	25 N	73	24 S	.84			.010		.010	.010					.010					
SN8913-103P	1.20	163	18 N	73	24 S	.79			.004		.004	.004					.004					
SN8913-104P	.80	163	27 N	73	24 S	.74			.016		.016	.016					.016	1	.361	6.56	12.377	2.00
SN8913-105P	.75	163	27 N	73	24 S	.56								1.267		1.267	1.267	2	.555	4.27	19.029	1.30
SN8913-106P	1.00	163	34 N	73	24 S	1.00			.006		.006	.006					.006					
SN883-1P	WALL PANELS			65	22 S	.44							.016			.016	.016	1				
SN883-2P				65	22 S	.50							.639			.639	.639	1	.175	6.56	6.000	2.00

SAMPLE NO	LENGTH	SAMP AZ	SAMP DIP	ZONE AZ	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MI8K PPB	FA/AA 20 GRAM	FA CONV OZ/TON	AVERAGE FA/AA/MI	FA 1/2AT OZ/TON	FA 1/2AT AV RERUN	AVERAGE FA 1/2AT	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	AVERAGE AU ASSAY	PAN +ASS OZ/TON	SV + ASS OZ/TON	SV + ASS AV RERUN	PAN/SV AU AVG	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET
SN883-3P				65	22 S	.90													.027			.027	.027	2	.191	6.04
SN8913-107P	1.25	17	18 N	99	24 S	.82									.013		.013	.013					.013	1		
SN8913-108P	.50	17	21 N	99	24 S	.42														.142		.142	.142	1		
SN8913-109P	1.00	17	27 N	99	24 S	.92	.76								.001		.001	.001					.001	2	.036	6.56
SN8913-110P	1.10	21	18 N	94	27 S	.77									.016		.016	.016					.016	1		
SN8913-111P	.70	21	34 N	94	27 S	.48														.046		.046	.046	1		
SN8913-112P	1.35	21	28 N	94	27 S	1.10	.75								.005		.005	.005					.005	2	.019	6.56
SN896-38P	WALL PANE		57 N	84	26 S	.88														.066		.066	.066			

SAMPLE NO	LENGTH	SAMP AZ	SAMP DIP	ZONE AZ	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	FA/AA 20 GRAM	FA CONV OZ/TON	AVERAGE FA/AA/MI	FA 1/2AT OZ/TON	FA 1/2AT AV RERUN	AVERAGE FA 1/2AT	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	AVERAGE AU ASSAY	PAN +ASS OZ/TON	SV + ASS OZ/TON	SV + ASS AV RERUN	PAN/SV AU AVG	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET
SN8914-1P	1.00	307	3 N	30	40 S	.69						.005		.005				.005					.005			
SN8914-2P	1.00	307	12 N	30	40 S	.84						.001		.001				.001					.001	1		
SN8914-3P	.50	307	3 N	30	40 S	.35						.037		.037				.037		.073		.073	.073	1	.016	6.56
SN8914-4P	.50	307	2 N	30	45 S	.33						.057		.057				.057		.019		.019	.019	2	.021	4.99
SN8914-5	1.00	125	0 N	40	45 S	.45			3																	
SN8914-6	1.00	125	0 N	40	45 S	.45			1																	
SN8914-7	1.00	125	0 N	40	45 S	.45			1																	
SN8914-8	.70	125	0 N	40	45 S	.32			3																	
SN8914-9	1.00	180	0 N	90	65 S	.91			54	.002	.002							.002					.002			
SN8914-10	1.00	312	3 N	30	40 S	.67			133	.004	.004							.004					.004			
SN8914-11	1.00	312	0 N	30	40 S	.63	.61		370	.011	.011							.011					.011	1		
SN8914-12P	1.00	312	6 N	30	40 S	.71						.020		.020				.020		.025		.025	.025	1		
SN8914-13P	1.00	312	4 N	30	40 S	.68						.526		.526	.453		.453	.490		.361	.497	.429	.429	2	.158	6.56
SN8914-14P	.85	312	4 N	30	40 S	.57						.003		.003				.003					.003			
SN8914-15P	.80	312	2 N	30	40 S	.56						.017		.017				.017					.017			
SN8914-16	1.00	312	9 N	30	40 S	.77			2																	
SN8914-17	1.00	130	0 N	40	30 S	.32			1																	
SN8914-18P	1.00	130	0 N	40	45 S	.45			12																	
SN8914-19P	1.00	130	0 N	40	45 S	.45			240	.007	.007							.007					.007			
SN8914-20P	1.00	130	0 N	40	45 S	.45			23	.001	.001							.001					.001			
SN8914-21P	1.00	130	0 N	40	45 S	.45			26	.001	.001							.001					.001			
SN8914-22P	1.00	130	0 N	40	45 S	.45			610	.018	.018							.018					.018			
SN8914-23P	1.00	130	0 N	40	45 S	.45			130	.004	.004							.004					.004			
SN8914-24P	1.00	130	0 N	40	45 S	.45						.003		.003				.003					.003			
SN8914-25P	1.00	130	0 N	40	45 S	.45						.001		.001				.001					.001			
SN8914-26P	1.00	130	0 N	40	45 S	.45						.005		.005				.005					.005			
SN8914-27P	1.00	130	0 N	40	45 S	.45						.002		.002				.002					.002			
SN8914-28P	1.00	130	0 N	40	45 S	.45						.010		.010				.010					.010			
SN8914-29P	1.00	130	0 N	40	45 S	.45						.001		.001				.001					.001			
SN8914-30P	1.00	302	7 N	20	18 S	.42						.001		.001				.001					.001	1		
SN8914-31P	1.00	122	15 S	20	18 S	.06						.010		.010				.010					.010	1		
SN8914-32P	1.00	122	8 S	20	18 S	.18						.126		.126				.126					.126	1	.013	6.56
SN8914-33P	1.00	302	3 N	20	18 S	.34						.006		.006				.006					.006	2	.026	3.28
SN8914-34P	1.00	120	0 N	30	25 S	.21						.004		.004				.004					.004			
SN8914-35P	1.00	120	0 N	30	25 S	.21						.002		.002				.002					.002			
SN8914-36P	1.00	120	0 N	30	25 S	.21						.001		.001				.001					.001			
SN8914-37P	1.00	120	0 N	30	25 S	.21						.004		.004				.004					.004			
SN8914-38P	1.00	120	0 N	30	25 S	.21						.001		.001				.001					.001			
SN8914-39P	1.00	120	0 N	30	25 S	.21			37	.001	.001							.001					.001			
SN8914-40P	.75	120	0 N	30	25 S	.16			210	.006	.006							.006					.006			
SN8914-41P	.75	120	0 N	30	25 S	.16			178	.005	.005							.005					.005			
SN8914-42P	1.00	110	0 N	20	30 S	.17			8																	
SN8914-43P	1.00	110	0 N	20	30 S	.17			7																	
SN8914-44P	1.00	110	0 N	20	30 S	.17			530	.015	.015							.015					.015			
SN8914-45P	1.00	110	0 N	20	30 S	.17						.010		.010				.010					.010			
SN8914-46P	1.00	110	0 N	20	30 S	.17						.039		.039				.039					.039			
SN8914-47P	1.00	110	0 N	20	30 S	.17						.009		.009				.009					.009			
SN8914-48P	1.00	110	0 N	20	30 S	.17						.005		.005				.005					.005			
SN8914-49P	1.00	110	0 N	20	30 S	.17						.003		.003				.003					.003			
SN8914-50P	1.00	110	0 N	20	30 S	.17						.006		.006				.006					.006			
SN8914-51P	1.00	303	15 N	30	18 S	.56						.001		.001				.001					.001			
SN8914-52P	1.00	123	3 S	30	18 S	.27						1.811		1.811				1.811					1.811	1		
SN8914-53P	1.00	123	2 S	30	18 S	.30						.436		.436	.432		.432	.434		.553		.553	.553	1		
SN8914-54P	1.00	303	26 N	30	18 S	.72						.038		.038	.020		.020	.029		.023		.023	.023	1		
SN8914-55P	1.00	303	7 N	30	18 S	.46						.005		.005				.005					.005	1		
SN8914-56P	1.00	303	0 N	30	18 S	.31	.25					.005		.005				.005					.005	2	.337	6.56
SN8914-57P	1.00	130	0 N	40	15 S	.17						.016		.016				.016					.016			
SN8914-58P	1.00	130	0 N	40	15 S	.17						.012		.012				.012					.012			
SN8914-59P	1.00	130	0 N	40	15 S	.17						.006		.006				.006					.006			

SAMPLE NO	LENGTH	SAMP AZ	SAMP DIP	ZONE AZ	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MISK PPB	FA/AA 20 GRAM	FA CONV OZ/TON	AVERAGE FA/AA/MI	FA 1/2AT OZ/TON	FA 1/2AT AV RERUN	AVERAGE FA 1/2AT	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	AVERAGE AU ASSAY	PAN +ASS OZ/TON	SV + ASS OZ/TON	SV + ASS AV RERUN	PAN/SV AU AVG	***GOLD *OZ/TON	FROM TO	AVG OZ/T	FEET
SN8914-60P	1.40	155	0 N	30	25 S	.30									.058		.058	.058		.066		.066	.066			
SN8914-61P	.60	155	0 N	30	25 S	.13									.092		.092	.092		.101		.101	.101			
SN8914-62P	.60	155	0 N	30	25 S	.13									.201		.201	.201		.203		.203	.203			
SN8914-63P	1.40	155	0 N	30	25 S	.30									.011		.011	.011		.011		.011	.011			
SN8914-64P	1.40	155	0 N	30	25 S	.30									.093	.046	.070	.070		.098	.049	.074	.074	1		
SN8914-65P	.60	155	0 N	30	25 S	.13									.673	.394	.534	.534		.861	.459	.660	.660	1		
SN8914-66P	.60	155	0 N	30	25 S	.13									.022		.022	.022		.023		.023	.023	1	.058	6.56
SN8914-67P	1.40	155	0 N	30	25 S	.30									.012		.012	.012		.014		.014	.014	2	.134	2.82
SN8914-68						.69		70			.002							.002					.002			
SN8914-69P						.51									.183		.183	.183					.183	1		
SN8914-70P						.80									.020		.020	.020					.020	1		
SN8914-71P						.44									.451		.451	.451					.451	1		
SN8914-72P						.52														.035		.035	.035	1		
SN8914-73P						.72														.070		.070	.070	2	.125	6.56
SN8914-74P						.69									.063		.063	.063					.063			
SN8914-75P						.64									.022		.022	.022					.022			
SN8914-76						.61		44			.001							.001					.001			
SN8914-77						.62									.001		.001	.001					.001	1		
SN8914-78P						.68														.059		.059	.059	1		
SN8914-79P						.64														.273		.273	.273	1		
SN8914-80P						.35									.004		.004	.004					.004	2	.108	6.56
SN8914-81						.66		165			.005							.005					.005			

SN90-2 STRIPPED AREA C

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV + ASS	***GOLD *OZ/TON	AU*TW	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SN902-1	P1QM			.70	176	5 N	93	22 S	.32		5														
SN902-2	P1QM			1.00	176	14 N	93	22 S	.67	.38	26	.001							.001		1				
SN902-3P	A2QM			.90	176	16 N	93	22 S	.61				.017		.017				.017	.010	1				
SN902-4P	QV			.50	176	29 N	93	22 S	.40							.884		.884	.884	.354	1				
SN902-5	P3QM			.80	176	30 N	93	22 S	.61				.005		.005				.005	.003	2	.184	6.56	6.31	2.00
SN902-6	P1QM			.70	190	11 N	88	20 S	.44		24	.001							.001						
SN902-7	P3QM			.70	190	7 N	88	20 S	.37		1														
SN902-8P	S4QM			.70	190	25 N	88	20 S	.58				.047		.047				.047	.027	1				
SN902-9P	QV			.60	190	38 N	88	20 S	.63							.678		.678	.678	.427	1				
SN902-10	P3QM			.70	190	38 N	88	20 S	.65	.79			.010		.010				.010	.008	2	.231	6.56	7.92	2.00
SN902-11	P1QM			.90	186	1 N	86	24 S	.46		22	.001							.001						
SN902-12	P3QM			.90	186	13 N	86	24 S	.61	.24			.001		.001				.001		1				
SN902-13P	S4QM			.50	186	22 N	86	24 S	.36							.113		.113	.113	.041	1				
SN902-14P	QV			.50	186	32 N	86	24 S	.55							.496		.496	.496	.273	1				
SN902-15	P3QM			.80	186	37 N	86	24 S	.85				.009		.009				.009	.008	2	.161	6.56	5.52	2.00
SN902-16	P1QM			.90	1	12 N	82	27 S	.56		29	.001							.001						
SN902-17	P3QM			1.00	1	12 N	82	27 S	.68				.004		.004				.004	.003					
SN902-18P	S3QM			.85	1	11 N	82	27 S	.56							.122		.122	.122	.068	1				
SN902-19P	F4QM			.80	1	24 N	82	27 S	.64							.208		.208	.208	.133	1				
SN902-20	P3QM			1.00	1	32 N	82	27 S	1.06	.80			.006		.006				.006	.005	2	.103	6.56	3.53	2.00
SN902-21	P3QM			.80	10	7 N	85	19 S	.43		57	.002							.002	.001					
SN902-22P	F2QM			1.00	10	10 N	85	19 S	.54				.009		.009				.009	.005	1				
SN902-23P	A2QM			.80	10	16 N	85	19 S	.52							.050		.050	.050	.026	1				
SN902-24P	F4QM			.60	10	30 N	85	19 S	.54							.020		.020	.020	.011	1				
SN902-25	P3QM			.50	10	40 N	85	19 S	.61	.40			.003		.003				.003	.001	2	.021	6.56	.72	2.00
SN902-26	P3QM			1.00	5	4 N	90	25 S	.50	.37	24	.001							.001		1				
SN902-27P	S2QM			1.00	5	3 N	90	25 S	.51		2,150	.063	.125		.125				.125	.064	1				
SN902-28P	A4QM			.60	5	5 N	90	25 S	.35				.396		.396				.396	.139	1				
SN902-29P	QV			.50	5	19 N	90	25 S	.39							.707		.707	.707	.276	1				
SN902-30P	A4QM			.60	5	10 N	90	25 S	.38				.010		.010				.010	.004	2	.241	6.56	8.26	2.00
SN902-31	P3QM			1.00	5	44 N	90	25 S	1.16		10														
SN902-32	P3QM			1.20	10	5 N	86	30 S	.69	.44	142	.004							.004	.002	1				
SN902-33P	A4QM			.50	10	8 N	86	30 S	.26				.168		.168				.168	.044	1				
SN902-34P	QV			.60	10	8 N	86	30 S	.41							.888		.888	.888	.364	1				
SN902-35	P3QM			1.00	10	26 N	86	30 S	.89				.008		.008				.008	.007	2	.208	6.56	7.13	2.00
SN902-36	F3QM			1.00	6	10 N	83	35 S	.65		88	.003							.003	.002					
SN902-37	A4QM			1.00	6	14 N	83	35 S	.71		370	.011							.011	.008	1				
SN902-38P	A4QM			.50	6	29 N	83	35 S	.42				.164		.164				.164	.069	1				
SN902-39P	QV			.50	6	29 N	83	35 S	.42							.756		.756	.756	.318	1				
SN902-40	P3QM			1.00	6	28 N	83	35 S	.83	.45			.004		.004				.004	.002	2	.198	6.56	6.79	2.00
SN902-41	P2QM			1.00	356	0 N	88	37 S	.60		33	.001							.001	.001					
SN902-42	P2QM			1.00	179	4 S	88	37 S	.55	.33	33	.001							.001		1				
SN902-43P	A4QM			1.00	356	18 N	88	37 S	.91		7,990	.233				.303		.303	.303	.276	1				
SN902-44P	S3QM			.50	356	18 N	88	37 S	.36				.016		.016				.016	.006	1				
SN902-45P	QV			.50	356	17 N	88	37 S	.40							.525		.525	.525	.210	2	.246	6.56	8.43	2.00
SN902-46P	P1QM			.70	356	18 N	88	37 S	.59				.001		.001				.001	.001					
SN902-47	P1QM			1.00	3	0 N	81	32 S	.52		230	.007							.007	.003					
SN902-48	P3QM			1.00	3	12 N	81	32 S	.70	.62	84	.002							.002	.002	1				
SN902-49P	F2QM			.50	3	26 N	81	32 S	.45				.184		.184				.184	.083	1				
SN902-50P	QV			.50	3	26 N	81	32 S	.40							.505		.505	.505	.202	1				
SN902-51P	P2QM			.50	3	37 N	81	32 S	.53				.004		.004				.004	.002	2	.144	6.56	4.94	2.00
SN902-52	P1QM			1.00	3	10 N	81	32 S	.68		15														
SN902-53	F2QM			1.00	350	1 N	64	34 S	.58		230	.007							.007	.004					
SN902-54P	S1QM			1.00	350	3 N	64	34 S	.60		86	.003							.003	.002					

SN90-2 STRIPPED AREA C

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV + ASS	***GOLD *OZ/TON	AU*TW	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SN902-55P	SSOM			.50	350	28 N	64	34 S	.53	.47			.007		.007				.007	.003	1				
SN902-56P	QV			.50	350	14 N	64	34 S	.34							.392		.392	.392	.133	1				
SN902-57P	KFOM			.50	350	14 N	64	34 S	.37							.073		.073	.073	.027	1				
SN902-58	P2OM			1.00	350	20 N	64	34 S	.82				.086		.086				.086	.071	2	.117	6.56	4.01	2.00
SN902-59	P4OM			.70	350	0 N	57	38 S	.47	.28	84	.002							.002	.001	1				
SN902-60P	S2OM			.50	350	3 N	57	38 S	.29				.011		.011				.011	.003	1				
SN902-61P	QV			.50	350	10 N	57	38 S	.36							1.385		1.385	1.385	.499	1				
SN902-62P	P4OM			.50	350	12 N	57	38 S	.35				.001		.001				.001		1				
SN902-63P	F2OM			.50	350	10 N	57	38 S	.35							.020		.020	.020	.007	1				
SN902-64P	P4OM			.50	350	13 N	57	38 S	.37				.007		.007				.007	.003	2	.256	6.56	8.78	2.00
SN902-65P	P4OM			.50	350	62 N	57	38 S	.83		31	.001							.001	.001					
SN902-66	S2OM			1.00	350	0 N	57	38 S	.52		26	.001							.001						
				67-72P NOT POSOED																					
SN902-67	S2OM			1.00	163	0 N	85	80 S	.98				.001		.001				.001	.001	1				
SN902-68P	F3OM			1.00	163	0 N	85	80 S	.98							.002		.002	.002	.002	1				
SN902-69P	P2OM			1.00	163	0 N	90	35 S	.57		38	.001							.001	.001	2	.001	8.38	.03	2.53
SN902-70P	S2OM			.50	163	0 N	90	35 S	.29		21	.001							.001						
SN902-71P	P3OM			1.00	163	0 N	90	35 S	.57		25	.001							.001						
SN902-72	F2OM			1.00	163	0 N	90	35 S	.57		22	.001							.001						
SN902-112				1.00	339	8 N	55	52 S	.90		16														
SN902-73	P2OM			1.00	339	0 N	55	52 S	.65				.001		.001				.001	.001					
SN902-74P	P2OM			1.00	339	0 N	55	52 S	.65				.001		.001				.001	.001					
SN902-75P	A3OM			1.00	339	0 N	55	52 S	.65				.001		.001				.001	.001					
SN902-76	P3OM			1.00	339	0 N	55	52 S	.65				.001		.001				.001	.001					
SN902-77	P3OM			1.00	339	0 N	55	52 S	.65		18	.001							.001						
SN902-78	P3OM			1.00	173	0 N	90	35 S	.57		530	.015							.015	.009					
SN902-79	P3OM			1.00	173	0 N	90	35 S	.57				.001		.001				.001	.001					
SN902-80P	S2OM			.50	173	0 N	90	35 S	.29							.003		.003	.003	.001					
SN902-82P	P2OM			.80	173	0 N	90	35 S	.46				.001		.001				.001						
SN902-83P	F3OM			.70	173	0 N	90	35 S	.10				.010		.010				.010	.001	1				
SN902-84P	QV			.80	173	0 N	90	35 S	.37							.510		.510	.510	.189	1	.103	6.56	3.53	2.00
SN902-85P	F2OM			1.00	173	0 N	90	35 S	.29				.058		.058				.058	.017	2	.272	2.49	9.33	.76
SN902-86P	F2OM			1.00	173	0 N	90	35 S	.29				.020		.020				.020	.006					
SN902-87P	P3OM			.50	173	0 N	90	35 S	.29				.003		.003				.003	.001					
SN902-88P	F3OM			.80	173	0 N	90	35 S	.46				.001		.001				.001						
SN902-89	P3OM			1.00	173	0 N	90	35 S	.57	.12	20	.001							.001						
SN902-90	P3OM			1.00	173	0 N	90	35 S	.57		8														
SN902-91P	S3OM			.50	173	0 N	90	35 S	.29				.001		.001				.001						
SN902-92	P3OM			1.00	173	0 N	90	35 S	.57		9														
SN902-93	P3OM			1.00	173	0 N	90	35 S	.57				.001		.001				.001	.001					
SN902-94P	S4OM			1.00	173	0 N	90	35 S	.57							.001		.001	.001	.001					
SN902-95	P1OM			1.00	173	0 N	90	35 S	.57		21	.001							.001						
SN902-96	P1OM			1.00	173	0 N	90	35 S	.57		13														
SN902-97	P1OM			1.00	173	0 N	90	35 S	.57		450	.013							.013	.006					
SN902-98	P1OM			1.00	173	0 N	90	35 S	.57		6														
SN902-99P	F3OM			.50	173	0 N	90	35 S	.29							.004		.004	.004	.001					
SN902-100	P1OM			.80	173	0 N	90	35 S	.46		9														
SN902-101	P1OM			1.00	173	0 N	90	35 S	.57		3														
SN902-102	P1OM			1.00	173	0 N	90	35 S	.57		6														
SN902-103	P1OM			1.00	173	0 N	90	35 S	.57		19	.001							.001						
SN902-104	P1OM			1.00	173	0 N	90	35 S	.99	.44			.001		.001				.001		1				
SN902-105P	QV			.80	173	0 N	90	35 S	.68							.106		.106	.106	.072	1				
SN902-106	P3OM			1.10	173	0 N	90	35 S	.88				.001		.001				.001	.001	2	.037	6.56	1.27	2.00
SN902-107	P3OM			1.00	173	0 N	90	35 S	.96																
SN902-108P	P3OM			1.00	173	0 N	90	35 S	.77	.56			.001		.001				.001	.001	1				
SN902-109P	QV			1.00	173	0 N	90	35 S	.82							.025		.025	.025	.021	1				
SN902-110	P3OM			.70	173	0 N	90	35 S	.62				.001		.001				.001	.001	2	.011	6.56	.38	2.00
SN902-111	P3OM			.70	173	0 N	90	35 S	.57		5														
SN902-112	P3OM			1.00	173	0 N	90	35 S	.90		16														

SN90-2 STRIPPED AREA C

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV + ASS	***GOLD OZ/TON	AU*TW	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SN902-113P	A20M			1.00	173	0 N	90	35 S	.72	.67			.001		.001				.001	.001	1				
SN902-114P	QV			.60	173	0 N	90	35 S	.54							.009		.009	.009	.005	1				
SN902-115	P30M			1.00	173	0 N	90	35 S	.79				.001		.001				.001	.001	2	.003	6.56	.10	2.00
SN902-116P	P30M			1.00	173	0 N	90	35 S	.78				.001		.001				.001	.001					
SN902-117P	P20M			1.00	173	0 N	90	35 S	.68				.001		.001				.001	.001					
SN902-118P	F20M			1.00	173	0 N	90	35 S	.83							.005		.005	.005	.004					
SN902-119P	P20M			.80	173	0 N	90	35 S	.87				.002		.002				.002	.002					
SN902-120P	A30M			.80	173	0 N	90	35 S	.82		15														
SN902-121	P30M			1.00	173	0 N	90	35 S	.57		2														
SN902-122	P30M			1.20	173	0 N	90	35 S	.69		4														
SN902-123	P30M			1.00	173	0 N	90	35 S	.57				.001		.001				.001	.001					
SN902-124	P20M			1.00	173	0 N	90	35 S	.56	.03	14										1				
SN902-125P	P30M			1.00	173	0 N	90	35 S	.93				.001		.001				.001	.001	1				
SN902-126P	QV			.50	173	0 N	90	35 S	.42							.014		.014	.014	.006	1				
SN902-127P	F20M			1.00	173	0 N	90	35 S	.62				.009		.009				.009	.006	2	.006	6.56	.21	2.00
SN902-128	P20M			.50	173	0 N	90	35 S	.33		3														
SN902-129P	A30M			.80	173	0 N	90	35 S	.50				.002		.002				.002	.001					
SN902-130	P30M			1.00							9														
SN902-131	P30M			1.00							4														
SN902-132	P30M			1.00							1														
SN902-133P	P50M			.70									.003		.003				.003						
SN902-134	P20M			1.00							9														
SN902-135	P20M			1.00					.56		4														
SN902-136P	P30M			1.00					.94	.92	23	.001							.001	.001	1				
SN902-137P	S30M			.50					.44				.004		.004				.004	.002	1				
SN902-138P	QV			.50					.34							.026		.026	.026	.009	1				
SN902-139P	P30M			.50					.30				.011		.011				.011	.003	2	.007	6.56	.24	2.00
SN902-140	P30M			1.60					.56		6														
SN902-141	P30M			1.00					.45		6														
SN902-142	P30M			.80							4														
SN902-143P	P50M			.80									.001		.001				.001						
SN902-144	P20M			1.00							10														

SN90-4 to 10, SN898ext & SN884ext

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	WIDTH USED	MI8K PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV + ASS	***GOLD OZ/TON	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SN904-1	A3QM			.97	177	0	38	53	.50		.50	102	.003							.003					
SN904-2	P4QM			.95	177	0						22	.001							.001					
SN904-3	P4QM			1.04	177	3						26	.001							.001					
SN904-4	A2QM			1.02	177	3						7													
SN904-5	A2QM			.94	177	2						33	.001							.001					
SN904-6	P3QM			.99	177	1	26	42	.31		.31			.001		.001				.001	1				
SN904-7P	QV			1.12	177	3	26	42	.35		.35						.011		.011	.011	1		6.56		2.00
SN904-8	F2QM			.98	177	0	26	42	.29		.29			.002		.002				.002	2	.001	3.12	.03	.95
SN904-9	P3QM			.96	177	0						7													
SN904-10	P2QM			.94	177	3						4													
SN904-11	P2QM			1.09	177	0						10													
SN904-12	P2QM			.98	357	3	102	81	.94		.94			.001		.001				.001					
SN904-13P	QV			.99	357	5	102	81	.96		.96						.001		.001	.001					
SN904-14	P2QM			1.03	357	5	102	81	.99		.99			.001		.001				.001					
SN904-15	P3QM			1.00	177	0						35	.001							.001					
SN904-16	P2QM			1.01	177	8						13													
SN904-17	P2QM			.95	177	0						240	.007							.007					
SN904-18	P2QM			1.05	177	5						24	.001							.001					
SN904-19	P2QM			.92	297	2						8													
SN904-20	P2QM			1.00	297	0						49	.001							.001					
SN904-21	P2QM			1.01	297	0						19	.001							.001					
SN904-22	P2QM			1.16	117	8						10													
SN904-23	P2AD			.87	297	0						31	.001							.001					
SN904-24	P2AD			1.02	117	0						11													
SN904-25	S2QM			1.06	279	0						11													
SN904-26	P3AD			1.03	279	0						10													
SN904-27	P2QM			.66	279	0						115	.003							.003					
SN904-28	S3QM			1.17	292	0						1,040	.030							.030					
SN904-29	P2QM			1.15	292	11						15													
SN904-30	P1QM			1.02	292	6						12													
SN904-31	P2AD			.99	292	6						7													
SN904-32	P2AD			1.05	292	6						5													
SN904-33	P1QM			.95	291	2						56	.002							.002					
SN904-34	P1QM			.88	291	6						4													
SN904-35	S3QM			.99	355	16						3													
SN904-36	P1QM			1.06	355	19						5													
SN904-37	P1QM			1.01	355	7						5													
SN904-38	P1QM			.93	355	7						41	.001							.001					
SN904-39	P1QM			1.06	355	0								.001		.001				.001					
SN904-40P	QV			1.15	177	0	38	53	.53		.53						.056		.056	.056	1	.015	6.56	.51	2.00
SN904-41	P4QM			.94	177	0	38	53	.48		.48			.005		.005				.005	1				
SN904-42	P4QM			1.01	357	0						10									2	.029	5.31	.59	1.01
SN904-43	P4QM			1.55	357	16						43	.001							.001					
SN904-44	A1QM			1.50	357	8						11													
SN904-45	P4QM			1.55	357	5						6													
SN904-46P	QV			.97	295	2	25	46	.71		.71						.040		.040	.040					
SN904-47	P1QM			1.02	295	2	25	46	.74		.74			.002		.002				.002					
SN905-1	P3QM			.97	296	4	26	46	.70		.70			.001		.001				.001	1				
SN905-2P	QV			.52	296	12	26	46	.47		.47						.057		.057	.057	1	.001	6.56	.03	2.00
SN905-3	P3QM			1.02	296	4	26	46	.77		.77			.002		.002				.002	2	.001	6.36	.03	1.94
SN906-1	P3QM			1.05	319	0	49	45	.74		.74	14													
SN906-2P	QV			.51	319	4	49	45	.38		.38	49	.001							.001					
SN906-3	P3QM			.99	319	2	49	45	.73		.73	8													
SN906-4	P4QM			1.01	119	10	29	41	.54		.54	8													
SN906-5P	QV			.49	119	6	29	41	.28		.28			.005		.005				.005					
SN906-6P	QV			1.07	299	5	26	41	.77		.77						.123		.123	.123	1				

SN90-4 to 10, SN898ext & SN884ext

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	WIDTH USED	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV + ASS	***GOLD FROM *OZ/TON	TO	AVG OZ/T FEET	AVG GM/T METRES
SN898-222	P2QM			.99	314	20	37	47	.97		.97	81	.002							.002			
SN898-223P	QV			1.06	314	4	32	54	.88		.88	470	.014							.014			
SN884-1	P2QM			1.04	162	4	76	90	1.04		1.04	1											
SN884-2	P2QM			1.02	342	3	76	90	1.02		1.02	1											
SN884-3	P3QM			.98	342	14	76	90	.98		.98	2											
SN884-4	A5QM			1.00	342	22	76	90	1.00		1.00	8											
SN884-5	P4QM			1.00	342	15	76	90	1.00		1.00	3											
SN884-6	P2QM			1.00	348	26	76	90	1.00		1.00	17											
SN884-7	A2QM			1.02	348	23	76	90	1.02		1.02	11											
SN884-8	A2QM			.98	348	5	76	90	.98		.98	1											
SN884-9	P2QM			1.01	348	5	76	90	1.01		1.01	4											
SN884-10	A2QM			.98	348	19	76	90	.98		.98	4											
SN884-11	P2QM			.98	348	32	76	90	.98		.98	4											

SL891ext, SL892ext

SAMPLE NO.	GEOLOGY	FROM	TO	LENGTH	SAMPLE AZIMUTH	SAMP DIP	ZONE AZIMUTH	ZONE DIP	TRUE WIDTH	DESIRED WIDTH	MIBK PPB	MI CONV OZ/TON	FA 1 AT OZ/TON	FA 1 AT AV RERUN	AVERAGE FA 1 AT	SV + ASS AU OZ/T	SV + ASS RERUN	AVERAGE SV + ASS	***GOLD *OZ/TON	AU*TW	FROM TO	AVG OZ/T	FEET	AVG GM/T	METRES
SL891-101	P4QM			1.04	180		91	53	.67		154	.004							.004	.003					
SL891-102	P4AD			1.05	180	1	91	53	.82		690	.020							.020	.017					
SL891-103P	P4QM			.96	0	1	91	53	.80	.03			.001		.001				.001						
SL891-104P	QV			.52	0		91	53	.56							.073		.073	.073	.041					
SL891-105P	P4QM			1.00	0	2	91	53	.35				.001		.001				.001						
SL891-106	A3QM			1.00	0		91	53	1.00		210	.006				.019		.019	.019	.019					
SL981-107	P4QM			.99	173		83	56	.74		2,020	.059							.059	.044					
SL891-108	P4AD			.99	173	0	83	56	.84		57														
SL891-109P	P5QM			.99	173	0	83	56	.83				.008		.008				.008	.007	1				
SL891-110P	QV			.49	353	2	83	56	.41							.474		.474	**.474**	.194	1				
SL891-111P	A3QM			.99	353	4	83	56	.87	.76			.004		.004				.004	.003	2	**.102**	6.56	3.50	2.00
SL891-112	P4QM			1.02	180	2	90	60	.87		340	.010							.010	.009					
SL891-113	P4AD			.99	0	2	90	60	.88		300	.009							.009	.008					
SL891-114P	P4QM			1.01	0	2	90	60	.89	.84			.007		.007				.007	.006	1				
SL891-115P	QV			.52	0	0	90	60	.44							.629		.629	**.629**	.277	1				
SL891-116P	A3QM			.80	0	3	90	60	.72				.025		.025				.025	.018	2	**.150**	6.56	5.14	2.00
SL891-117	P4QM			1.06	0	11	80	44	.87		132														
SL891-118P	P4AD			.90	0	4	80	44	.65				.002		.002				.002	.001	1				
SL891-119P	QV			.51	180	1	80	44	.35							.215		.215	**.215**	.075	1				
SL891-120P	P4QM			.53	180	2	80	44	.34							.895		.895	**.895**	.304	1				
SL891-121	P2QM			1.00	180	1	80	44	.66		47	.001							.001	.001	2	**.191**	6.56	6.55	2.00
SL892-101	P3QM			1.27	336	2	66	45	.89		44	.001							.001	.001					
SL892-102	P3QM			1.02	336	20	66	45	.89		50	.001							.001	.001					
SL892-103P	QV			.51	336	9	66	45	.38				.001		.001				.001						
SL892-104	P4QM			.80	336	23	66	45	.83				.001		.001				.001	.001					
SL892-105	P3QM			.99	53	1	163	48	.69		9														

APPENDIX "C"

D I A M O N D D R I L L H O L E

S U M M A R Y L O G S

- SND90-13 to SND90-55

- SLD90-56 to SLD90-58

- SND90-56 to SND90-72

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-13 — PAGE 1 OF 2

AREA: Siwash North Zone — DIP: -47.50 — AZIMUTH (t): 0.0 — DEPTH: 65.53

CLAIM: ELK 21 — NORTHING: 3389.37 — DATE STARTED: JUNE 12, 1989

SECTION: 2090E — EASTING: 2091.88 — DATE FINISHED: JUNE 14, 1989

CORE SIZE: HQ — ELEVATION: 1664.08 — CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 96.75% RQD: 71.64% CORE STORED AT: ELK RACK "A" BAY 4 — LOGGED BY: WOJTEK JAKUBOWSKI

COMMENTS: Hole SND90-13 was drilled to test the down dip continuity of mineralization encountered in trench SN90-1. Two zones were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-47.50	0.0	.00	1.22	1.22		CS									
22.10	-48.00	0.0	1.22	18.51	17.29		GD									
			18.51	21.75	3.24		F4GD									
			21.75	26.89	5.14		GD									
			26.89	29.30	2.41		F4GD									
			29.30	29.54	0.24		QV									
			29.54	29.70	0.16		F4GD									
			29.70	37.61	7.91		GD									
			37.61	38.60	0.99		GR									
			38.60	39.13	0.53		K2GR									
			39.13	40.72	1.59		F4GR									
			40.72	42.21	1.49		P2GR									
			42.21	43.06	0.85		GR									
			43.06	43.80	0.74		K3GR									
			43.80	44.20	0.40		F4GR									
			44.20	47.75	3.55		GR									
			47.75	48.97	1.22		P3AD									
			48.97	59.90	10.93		GR									
			59.90	60.62	0.72		X3GR									
			60.62	64.71	4.09		GR									
			64.71	65.53	0.82		X5GD									
			17.40	18.40	1.00			13-1					0.006			
			18.40	18.90	0.50			13-2			0.062					3.2
			18.90	19.70	0.80			13-3					0.001			
			19.70	20.20	0.50			13-4			0.195					7.1
			20.20	20.80	0.60			13-5			0.404					4.7
			20.80	21.40	0.60			13-6					0.001			
			21.40	21.90	0.50			13-7			0.039					1.7
			21.90	22.60	0.70			13-8						2		
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-13 — PAGE 2 OF 2

AREA: — DIP: — AZIMUTH (t): — DEPTH:

CLAIM: — NORTHING: — DATE STARTED:

SECTION: — EASTING: — DATE FINISHED:

CORE SIZE: — ELEVATION: — CONTRACTOR:

CORE RECOVERY: — CORE STORED AT: — LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			22.60	23.60	1.00			13-9						7		
			23.60	25.40	1.80			13-10						6		
			25.40	25.90	0.50			13-11						490		
			25.90	27.00	1.10			13-12						3		
			27.00	28.00	1.00			13-13					0.001			
			28.00	28.50	0.50			13-14			0.005					0.6
			28.50	29.00	0.50			13-15			0.006					0.4
			29.00	29.70	0.70			13-16			0.807					35.5
			29.70	30.70	1.00			13-17					0.001			
			37.50	38.50	1.00			13-18					0.001			
			38.50	39.50	1.00			13-19			0.037					1.3
			39.50	40.17	0.67			13-20					0.001			
			40.17	40.72	0.55			13-21						62		
			40.72	42.80	2.08			13-22						2		
			42.80	43.80	1.00			13-23					0.001			
			43.80	44.30	0.50			13-24			0.617					35.2
			44.30	45.30	1.00			13-25					0.001			
			64.70	65.53	0.83			13-26						2		

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-14 — PAGE: 1 OF 2

AREA: Siwash North Zone — DIP: -90.00 — AZIMUTH (t): 0.0 — DEPTH: 057.00

CLAIM: ELK 21 — NORTHING: 3355.16 — DATE STARTED: JUNE 15, 1990

SECTION: 2090E — EASTING: 2089.64 — DATE FINISHED: JUNE 17, 1990

CORE SIZE: HQ — ELEVATION: 1663.15 — CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 100.0% RQD: 71.9% — CORE STORED AT: ELK RACK "A" BAY 4 — LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-14 was drilled behind hole SND90-13 to further test the downdip extension of mineralization encountered in trench SN90-1. Six phyllic-sericitic alteration zones (with minor quartz veining) and one 48cm quartz vein was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-90.00	0.0	.00	1.22	1.22		CS									
			1.22	5.39	4.17		P1GD									
			5.39	5.81	0.42		S3GD									
			5.81	6.50	0.69		P3GD									
			6.50	7.04	0.54		A2GD									
			7.04	15.37	8.33		P2GD									
			15.37	16.83	1.46		GD									
			16.83	23.95	7.12		P1GD									
			23.95	24.66	0.71		P4GD									
			24.66	36.13	11.47		P3GD									
			36.13	36.53	0.40		P4GD									
			36.53	37.16	0.63		P5GD									
			37.16	38.37	1.21		S3GD									
			38.37	41.03	2.66		P4GD									
			41.03	41.95	0.92		F3GD									
			41.95	44.15	2.20		P2GD									
			44.15	44.71	0.56		P2GD									
			44.71	45.19	0.48		QV									
			45.19	46.35	1.16		S3GD									
			46.35	52.45	6.10		P2GD									
			52.45	53.50	1.05		F2GD									
			53.50	55.59	2.09		P1GD									
			55.59	55.97	0.38		F3GD									
			55.97	57.00	1.03		P1GD									
			5.18	6.18	1.00			14-1						14		
			11.50	12.50	1.00			14-2						3		
			18.90	19.90	1.00			14-3						3		
			34.00	35.20	1.20			14-4						6		
			35.20	36.20	1.00			14-5					0.001			
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-14 — PAGE 2 OF 2

AREA: — DIP: — AZIMUTH (t): — DEPTH:
CLAIM: — NORTHING: — DATE STARTED:
SECTION: — EASTING: — DATE FINISHED:
CORE SIZE: — ELEVATION: — CONTRACTOR:
CORE RECOVERY: — CORE STORED AT: — LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			36.20	36.80	0.60			14-6			0.009					0.9
			36.80	37.90	1.10			14-7					0.001			
			37.90	38.40	0.50			14-8			0.002					1.3
			38.40	39.20	0.80			14-9					0.001			
			39.20	40.00	0.80			14-10					0.001			
			40.00	41.00	1.00			14-11					0.001			
			41.00	42.00	1.00			14-12			0.014					2.2
			42.00	43.15	1.15			14-13					0.001			
			43.15	44.15	1.00			14-14					0.001			
			44.15	44.70	0.55			14-15			0.025					1.9
			44.70	45.20	0.50			14-16			5.868					113.6
			45.20	46.40	1.20			14-17					0.001			
			46.40	47.40	1.00			14-18						4		
			51.45	52.45	1.00			14-19						19		
			52.45	52.95	0.50			14-20						80		
			52.95	53.50	0.55			14-21						6		
			53.50	54.00	0.50			14-22						2		
			54.00	54.50	0.50			14-23						6		
			54.50	55.50	1.00			14-24						3		
			55.50	56.00	0.50			14-25						6		
			56.00	57.00	1.00			14-26						4		

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-15 — PAGE: 1 OF: 2

AREA: Siwash North Zone — DIP: -90.00 — AZIMUTH (t): 0.0 — DEPTH: 89.00

CLAIM: ELK 21 — NORTHING: 3309.31 — DATE STARTED: JUNE 17, 1990

SECTION: 2090E — EASTING: 2090.42 — DATE FINISHED: JUNE 19, 1990

CORE SIZE: HQ — ELEVATION: 1662.19 — CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 98.98% RQD: 78.66% — CORE STORED AT: ELK RACK "A" BAY 5 — LOGGED BY: WOJTEK JAKUBOWSKI

COMMENTS: Hole SND90-15 was drilled to test the down dip continuity of mineralization encountered in holes SND90-13, 14. Weak mineralization was intersected between 12.25 and 19.60m, 30m above the expected depth.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-90.00	0.0	.00	.61	0.61		CS									
			.61	6.30	5.69		GD									
			6.30	8.30	2.00		P3GD									
			8.30	11.15	2.85		A5GD									
			11.15	13.25	2.10		GD									
			13.25	13.70	0.45		F4GD									
			13.70	16.50	2.80		GD									
			16.50	17.52	1.02		F4GD									
			17.52	18.10	0.58		GD									
			18.10	18.50	0.40		F4GD									
			18.50	23.47	4.97		GD									
			23.47	23.92	0.45		F4GD									
			23.92	28.28	4.36		GD									
			28.28	28.59	0.31		F3GD									
			28.59	30.15	1.56		GD									
			30.15	30.55	0.40		F3GD									
			30.55	40.79	10.24		GD									
			40.79	40.87	0.08		F4GD									
			40.87	45.45	4.58		GD									
			45.45	45.50	0.05		F4GD									
			45.50	53.63	8.13		GD									
			53.63	57.27	3.64		P2GD									
			57.27	89.00	31.73		GD									
			12.25	13.25	1.00			15-1						4		
			13.25	13.75	0.50			15-2					0.037	2150		
			13.75	14.75	1.00			15-3						1		
			15.50	16.50	1.00			15-4						1		
			16.50	17.02	0.52			15-5						220		
			17.02	18.10	1.08			15-6					0.001			
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-15 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			18.10	18.60	0.50			15-7			0.094					3.6
			18.60	19.60	1.00			15-8					0.001			
			23.47	23.97	0.50			15-9						120		
			28.04	28.54	0.50			15-10						11		
			30.15	30.65	0.50			15-11						1		
			40.60	41.10	0.50			15-12						13		
			45.30	45.80	0.50			15-13						97		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK D.D.H.: SND90-16 PAGE: 1 OF: 3

AREA: Siwash North Zone DIP: -45.00 AZIMUTH (t): 0.0 DEPTH: 061.26

CLAIM: ELK 21 NORTHING: 3359.96 DATE STARTED: JUNE 20, 1990

SECTION: 2040E EASTING: 2039.44 DATE FINISHED: JUNE 21, 1990

CORE SIZE: HQ ELEVATION: 1657.80 CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 94.34% RQD: 62.37% CORE STORED AT: ELK RACK "A" BAY 5 LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-16 was drilled behind trench SN89-12 to test the down-dip extension of mineralization encountered there. Six phyllic-sericitic alteration zones (with minor quartz veining) and one 25-cm thick quartz vein with 15% pyrite were encountered.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-45.00	0.0	.00	3.96	3.96		CS									
30.0	-43.00	0.0	3.96	6.40	2.44		A1GD									
			6.40	6.99	0.59		A3GD									
			6.99	7.92	0.93		GD									
			7.92	9.00	1.08		P1GD									
			9.00	9.47	0.47		S4GD									
			9.47	10.97	1.50		P1GD									
			10.97	12.87	1.90		GD									
			12.87	19.91	7.04		P1GD									
			19.91	20.67	0.76		S5GD									
			20.67	21.74	1.07		P1GD									
			21.74	24.12	2.38		P3GD									
			24.12	24.64	0.52		P2GD									
			24.64	25.29	0.65		QV									
			25.29	28.70	3.41		P2GD									
			28.70	30.05	1.35		P1GD									
			30.05	30.44	0.39		P4GD									
			30.44	32.04	1.60		P1GD									
			32.04	32.44	0.40		P3GD									
			32.44	33.42	0.98		P2GD									
			33.42	33.95	0.53		P4GD									
			33.95	40.78	6.83		P3GD									
			40.78	41.25	0.47		P3GD									
			41.25	44.88	3.63		P3GD									
			44.88	46.55	1.67		K1GD									
			46.55	46.95	0.40		GG									
			46.95	47.66	0.71		K3GD									
			47.66	49.14	1.48		K4GD									
			49.14	50.60	1.46		P3AV									
			50.60	51.07	0.47		AV									
			51.07	52.06	0.99		K1AV									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK D.D.H.: SND90-16 PAGE: 2 OF: 3

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			52.06	53.65	1.59		PIGR									
			53.65	54.52	0.87		AV									
			54.52	57.00	2.48		GR									
			57.00	61.26	4.26		AV									
			17.90	18.90	1.00			16-1						3		
			18.90	19.90	1.00			16-2					0.001			
			19.90	20.70	0.80			16-3			0.001					0.2
			20.70	21.70	1.00			16-4					0.001			
			21.70	22.64	0.94			16-5						2		
			22.64	23.64	1.00			16-6					0.001			
			23.64	24.64	1.00			16-7					0.001			
			24.64	25.30	0.66			16-8			0.519					49.1
			25.30	26.30	1.00			16-9					0.001			
			26.30	27.00	0.70			16-10						6		
			27.00	28.00	1.00			16-11						1		
			28.00	29.00	1.00			16-12						5		
			29.00	30.00	1.00			16-13					0.001			
			30.00	30.50	0.50			16-14			0.243					22.6
			30.50	31.25	0.75			16-15					0.001			
			31.25	32.00	0.75			16-16					0.001			
			32.00	32.50	0.50			16-17			0.001					0.1
			32.50	33.40	0.90			16-18					0.001			
			33.40	33.95	0.55			16-19			0.006					1.8
			33.95	34.95	1.00			16-20					0.001			
			34.95	35.95	1.00			16-21						1		
			35.95	36.85	0.90			16-22						4		
			36.85	37.85	1.00			16-23					0.001			
			37.85	38.35	0.50			16-24			0.007					0.1
			38.35	39.55	1.20			16-25					0.001			
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY ELK — D.D.H. SND90-16 — PAGE 3 OF 3

AREA: — DIP: — AZIMUTH (t): — DEPTH:
CLAIM: — NORTHING: — DATE STARTED:
SECTION: — EASTING: — DATE FINISHED:
CORE SIZE: — ELEVATION: — CONTRACTOR:
CORE RECOVERY: — CORE STORED AT: — LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			39.55	40.75	1.20			16-26					0.001			
			40.75	41.30	0.55			16-27			0.002					0.2
			41.30	42.30	1.00			16-28					0.001			
			42.30	43.40	1.10			16-29						4		
			43.40	44.50	1.10			16-30						1		

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-17 — PAGE: 1 OF: 2

AREA: Siwash North Zone — DIP: -90.00 — AZIMUTH (t): 0.0 — DEPTH: 53.64

CLAIM: ELK 21 — NORTHING: 3358.25 — DATE STARTED: JUNE 22, 1990

SECTION: 2040E — EASTING: 2039.50 — DATE FINISHED: JUNE 23, 1990

CORE SIZE: HQ — ELEVATION: 1657.85 — CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 100.0% RQD: 23.61% CORE STORED AT: ELK RACK "A" BAY 5 — LOGGED BY: WOJTEK JAKUBOWSKI

COMMENTS: Hole SND90-17 was drilled to test the down dip continuity of mineralization encountered in trench SN89-12 and drill hole SND90-16. Strong mineralization hosted in phyllic altered granodiorite and quartz veins was intersected between 32.85 and 44.78m. The core in the upper 20m of the hole is strongly fractured.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	PA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-90.00	0.0	.00	2.44	2.44		OB									
			2.44	9.85	7.41		GD									
			9.85	11.90	2.05		K3GD									
			11.90	12.26	0.36		S4GD									
			12.26	17.40	5.14		P2GD									
			17.40	21.38	3.98		A3GD									
			21.38	23.80	2.42		P2GD									
			23.80	24.20	0.40		K1GD									
			24.20	24.65	0.45		P2GD									
			24.65	25.40	0.75		A3GD									
			25.40	26.00	0.60		GG									
			26.00	27.65	1.65		P3GD									
			27.65	28.04	0.39		S2GD									
			28.04	29.10	1.06		P3GD									
			29.10	29.32	0.22		F3GD									
			29.32	32.46	3.14		P2GD									
			32.46	32.85	0.39		S3GD									
			32.85	33.28	0.43		F5GD									
			33.28	33.50	0.22		QV									
			33.50	33.90	0.40		F5GD									
			33.90	34.51	0.61		A3GD									
			34.51	34.73	0.22		F5GD									
			34.73	34.85	0.12		QV									
			34.85	35.05	0.20		F5GD									
			35.05	35.47	0.42		A3GD									
			35.47	35.55	0.08		F4GD									
			35.55	35.66	0.11		QV									
			35.66	36.50	0.84		F3GD									
			36.50	37.40	0.90		GD									
			37.40	37.88	0.48		K2GD									
			37.88	39.75	1.87		GD									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-17 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			39.75	40.75	1.00		S2GD									
			40.75	41.60	0.85		P3GD									
			41.60	43.10	1.50		S3GD									
			43.10	43.70	0.60		P1GD									
			43.70	44.56	0.86		GD									
			44.56	44.78	0.22		F5GD									
			44.78	53.64	8.86		GD									
			28.90	29.40	0.50			17-1						11		
			32.05	33.05	1.00			17-2					0.001			
			33.05	33.90	0.85			17-3			0.074					5.6
			33.90	34.51	0.61			17-4					0.001			
			34.51	35.05	0.54			17-5			0.087					9.9
			35.05	35.47	0.42			17-6					0.001			
			35.47	36.30	0.83			17-7			0.019					1.0
			36.30	37.30	1.00			17-8					0.001			
			39.75	40.75	1.00			17-9					0.001			
			40.75	41.08	0.33			17-10			0.065					3.3
			41.08	41.60	0.52			17-11			0.073					4.7
			41.60	42.60	1.00			17-12					0.002			
			43.30	44.40	1.10			17-13					0.001			
			44.40	44.90	0.50			17-14			0.041					4.0
			44.90	45.90	1.00			17-15					0.001			

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-18 — PAGE: 1 OF: 1

AREA: Siwash North Zone
CLAIM: ELK 21
SECTION: 2040E
CORE SIZE: HQ
CORE RECOVERY: 95.75% RQD: 80.00%

DIP: -90.00 AZIMUTH (t): 0.0
NORTHING: 3320.16
EASTING: 2039.82
ELEVATION: 1659.93
CORE STORED AT: ELK RACK "A" BAY 6

DEPTH: 084.43
DATE STARTED: JUNE 23, 1990
DATE FINISHED: JUNE 25, 1990
CONTRACTOR: LECLERC D.D.
LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-18 was drilled behind hole SND90-17 to further test the downdip extension of mineralization encountered in trench SN90-1. No significant mineralization or structures were intersected, and the hole was terminated on entering the Nicola Volcanics.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	NIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-90.00	0.0	.00	2.44	2.44		CS									
			2.44	4.36	1.92		A1GD									
			4.36	9.75	5.39		GD									
			9.75	12.78	3.03		P1GD									
			12.78	13.45	0.67		A2GD									
			13.45	14.03	0.58		P3GD									
			14.03	54.08	40.05		GD									
			54.08	62.45	8.37		P1GD									
			62.45	63.19	0.74		P2GD									
			63.19	67.57	4.38		P1GD									
			67.57	69.38	1.81		P3GD									
			69.38	70.43	1.05		P5GD									
			70.43	71.25	0.82		P3GD									
			71.25	74.00	2.75		P1GD									
			74.00	76.51	2.51		GD									
			76.51	77.81	1.30		P1GD									
			77.81	81.46	3.65		P2QM									
			81.46	82.84	1.38		P1GR									
			82.84	84.43	1.59		P3AV									
			14.00	15.00	1.00			18-1					0.001			
			15.00	15.50	0.50			18-2			0.143					9.2
			15.50	15.85	0.35			18-3A						3		
			15.85	16.50	0.65			18-3					0.001			
			35.00	36.00	1.00			18-4					0.001			
			36.00	36.50	0.50			18-5			0.008					0.1
			36.50	37.50	1.00			18-6					0.001			
			65.50	66.00	0.50			18-7						2		
			67.75	68.25	0.50			18-8						1		

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-19 — PAGE: 1 OF: 2

AREA: Siwash North Zone — DIP: -45.00 — AZIMUTH (t): 0.0 — DEPTH: 053.03

CLAIM: ELK 20 — NORTHING: 3333.15 — DATE STARTED: JUNE 25, 1990

SECTION: 1940E — EASTING: 1939.90 — DATE FINISHED: JUNE 27, 1990

CORE SIZE: HQ — ELEVATION: 1657.78 — CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 94.05% RQD: 57.76% CORE STORED AT: ELK RACK "A" BAY 6 — LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-19 was drilled to test the down dip continuity of a mineralized structure exposed in stripped area A. Two mineralized zones were intersected between 38.73 and 42.90m. A zone containing 20% magnetite hosted in Nicola volcanics was intersected at 34.00m.

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	NIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-45.00	0.0	.00	1.52	1.52		OB									
18.44	-44.00	0.0	1.52	8.10	6.58		XSGD									
			8.10	8.82	0.72		AV									
			8.82	9.76	0.94		GR									
			9.76	10.17	0.41		XSAV									
			10.17	10.55	0.38		GR									
			10.55	10.97	0.42		P4AV									
			10.97	12.19	1.22		AV									
			12.19	15.54	3.35		XSAV									
			15.54	18.37	2.83		AV									
			18.37	19.05	0.68		X4AV									
			19.05	20.67	1.62		AV									
			20.67	21.24	0.57		X2AV									
			21.24	21.54	0.30		F3AV									
			21.54	22.00	0.46		AV									
			22.00	22.90	0.90		S4AV									
			22.90	23.40	0.50		X2AV									
			23.40	27.07	3.67		P3AV									
			27.07	30.05	2.98		AV									
			30.05	30.60	0.55		X3AV									
			30.60	32.40	1.80		AV									
			32.40	35.15	2.75		P2AV									
			35.15	35.36	0.21		F4AV									
			35.36	36.88	1.52		P2AV									
			36.88	38.20	1.32		AV									
			38.20	38.40	0.20		P4AV									
			38.40	38.87	0.47		A4AV									
			38.87	38.93	0.06		QV									
			38.93	39.45	0.52		F3GR									
			39.45	40.60	1.15		X4GR									
			40.60	40.65	0.05		F3GR									
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-19 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			40.65	42.75	2.10		K36R									
			42.75	42.90	0.15		F56R									
			42.90	43.25	0.35		F36R									
			43.25	50.90	7.65		X36D									
			50.90	53.03	2.13		A36D									
			21.20	21.70	0.50			19-1					0.001	7		
			33.60	34.60	1.00			19-2					0.001			0.1
			34.60	35.10	0.50			19-3					0.001			0.6
			35.10	36.10	1.00			19-4					0.001			0.1
			36.10	36.88	0.78			19-5					0.001			0.1
			36.88	38.30	1.42			19-6					0.001			0.2
			38.30	38.73	0.43			19-7					0.005			0.1
			38.73	39.45	0.72			19-8			0.036					17.6
			39.45	40.65	1.20			19-9					0.001			
			40.65	42.70	2.05			19-10					0.001			
			42.70	43.20	0.50			19-11			0.010					1.8
			43.20	44.20	1.00			19-12					0.001			

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND90-20 | PAGE: 1 OF: 2

AREA: Siwash North Zone
CLAIM: ELK 20
SECTION: 1940E
CORE SIZE: HQ
CORE RECOVERY: 96.49% RQD: 67.31%

DIP: -90.00 AZIMUTH (t): 0.0
NORTHING: 3331.10
EASTING: 1939.85
ELEVATION: 1657.87
CORE STORED AT: ELK RACK "A" BAY 6

DEPTH: 085.95
DATE STARTED: JUNE 27, 1990
DATE FINISHED: JUNE 30, 1990
CONTRACTOR: LECLERC D.D.
LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-20 was drilled to test grade and continuity of mineralization encountered in hole SND90-19. Two zones of sericitic-phyllic alteration, including one 73cm quartz vein, and a massive sulfide pod were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	NIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm	
0.0	-90.00	0.0	.00	1.22	1.22		CS										
			1.22	4.40	3.18		X2GD										
			4.40	6.38	1.98		AV										
			6.38	8.65	2.27		X2AV										
			8.65	12.13	3.48		X2VB										
			12.13	12.76	0.63		X3AV										
			12.76	13.25	0.49		X2VB										
			13.25	15.15	1.90		X1AV										
			15.15	15.54	0.39		P3AV										
			15.54	18.39	2.85		X1AV										
			18.39	26.16	7.77		X4AV										
			26.16	27.01	0.85		AV										
			27.81	27.66	0.65		X4AV										
			27.66	28.22	0.56		AV										
			28.22	28.75	0.53		X2AV										
			28.75	30.30	1.55		P3GR										
			30.30	32.37	2.07		X1AV										
			32.37	33.95	1.58		X5AV										
			33.95	35.22	1.27		P2PV										
			35.22	36.50	1.28		P1PV										
			36.50	38.26	1.76		S2PV										
			38.26	47.23	8.97		X4PV										
			47.23	47.94	0.71		SXPV										
			47.94	49.38	1.44		PV										
			49.38	51.47	2.09		P2GR										
			51.47	51.96	0.49		P4VB										
			51.96	53.42	1.46		X1VB										
			53.42	56.47	3.05		P2GR										
			56.47	59.50	3.03		VB										
			59.50	61.57	2.07		P2GR										
			61.57	62.18	0.61		X4VB										
								CONTD									

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-20 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	NIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm	
			62.18	65.78	3.60		P2GR										
			65.78	66.65	0.87		X5VB										
			66.65	68.07	1.42		P2GR										
			68.07	70.22	2.15		X3AV										
			70.22	71.40	1.18		P4AV										
			71.40	73.05	1.65		K2GR										
			73.05	74.70	1.65		K4GR										
			74.70	75.09	0.39		F4GR										
			75.09	75.93	0.84		QV										
			75.93	76.64	0.71		S3GR										
			76.64	77.95	1.31		S2GR										
			77.95	79.63	1.68		P4AV										
			79.63	80.24	0.61		K3GR										
			80.24	84.40	4.16		P4AV										
			84.40	85.95	1.55		P3GR										
			8.60	9.60	1.00			20-1					0.001			0.7	
			9.60	10.80	1.20			20-2					0.002				
			10.80	12.15	1.35			20-3					0.001			0.8	
			12.15	13.25	1.10			20-4					0.001			1.2	
			35.50	36.50	1.00			20-5						2			
			36.50	37.00	0.50			20-6					0.001				
			37.00	38.00	1.00			20-7						10			
			72.70	73.70	1.00			20-8						2			
			73.70	74.70	1.00			20-9					0.001				
			74.70	75.20	0.50			20-10			0.909					132.9	
			75.20	76.00	0.80			20-11			0.619					65.6	
			76.00	77.00	1.00			20-12					0.001				
			77.00	78.00	1.00			20-13						2			

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-21 — PAGE: 1 OF: 3

AREA: Siwash North Zone — DIP: -46.00 — AZIMUTH (t): 0.0 — DEPTH: 074.98

CLAIM: ELK 21 — NORTHING: 3376.23 — DATE STARTED: JUNE 30, 1990

SECTION: 2190E — EASTING: 2190.58 — DATE FINISHED: JULY 1, 1990

CORE SIZE: HQ — ELEVATION: 1650.85 — CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 95.92% RQD: 71.14% — CORE STORED AT: ELK RACK "A" BAY 7 — LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-21 was drilled to test the down dip continuity of a mineralized structure exposed in stripped area B. Two mineralized zones were intersected between 24.60 and 43.85m.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	PA	MIBK				
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm	
0.0	-46.00	0.0	.00	1.22	1.22		OB										
36.70	-47.00	0.0	1.22	10.50	9.28		GD										
			10.50	12.10	1.60		P1GD										
			12.10	14.05	1.95		GD										
			14.05	14.13	0.08		P4GD										
			14.13	16.00	1.87		GD										
			16.00	16.48	0.48		P3GD										
			16.48	16.80	0.32		K3GD										
			16.80	19.40	2.60		GD										
			19.40	19.57	0.17		P4GD										
			19.57	21.30	1.73		P2GD										
			21.30	21.83	0.53		P4GD										
			21.83	22.16	0.33		GG										
			22.16	23.85	1.69		P4GD										
			23.85	24.69	0.84		P4GD										
			24.69	24.80	0.11		QV										
			24.80	25.10	0.30		S5GD										
			25.10	26.15	1.05		A4GD										
			26.15	26.24	0.09		P4GD										
			26.24	26.90	0.66		P4GD										
			26.90	27.00	0.10		P3GD										
			27.00	27.60	0.60		P4GD										
			27.60	27.78	0.18		P4GD										
			27.78	29.28	1.50		GD										
			29.28	29.39	0.11		P4GD										
			29.39	30.20	0.81		P4GD										
			30.20	31.20	1.00		GD										
			31.20	31.60	0.40		P3GD										
			31.60	32.21	0.61		GD										
			32.21	32.76	0.55		P4GD										
			32.76	34.27	1.51		GD										
								CONTD									

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-21 PAGE 2 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	PA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			34.27	34.50	0.23		F2GD									
			34.50	34.95	0.45		GD									
			34.95	35.05	0.10		F3GD									
			35.05	42.98	7.93		GD									
			42.98	43.33	0.35		F3GD									
			43.33	43.45	0.12		P3GD									
			43.45	43.85	0.40		F5GD									
			43.85	44.27	0.42		P4GD									
			44.27	44.42	0.15		F4GD									
			44.42	45.07	0.65		GD									
			45.07	45.13	0.06		F3GD									
			45.13	46.77	1.64		GD									
			46.77	46.83	0.06		F3GD									
			46.83	47.27	0.44		GD									
			47.27	47.35	0.08		F4GD									
			47.35	48.27	0.92		GD									
			48.27	48.37	0.10		K3GD									
			48.37	51.10	2.73		GD									
			51.10	51.20	0.10		F2GD									
			51.20	51.40	0.20		P4GD									
			51.40	53.95	2.55		GD									
			53.95	54.10	0.15		F4GD									
			54.10	66.63	12.53		GD									
			66.63	66.83	0.20		P3GD									
			66.83	66.94	0.11		F3GD									
			66.94	67.57	0.63		K2GD									
			67.57	68.50	0.93		P4AD									
			68.50	68.90	0.40		A4AD									
			68.90	68.97	0.07		GG									
			68.97	69.95	0.98		P4GD									
			69.95	71.50	1.55		GD									
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-21 PAGE 3 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			71.50	71.70	0.20		K2GD									
			71.70	74.98	3.28		GD									
			14.00	14.50	0.50			21-1						1		
			18.30	19.30	1.00			21-2					0.001			
			19.30	19.80	0.50			21-3			0.005					0.7
			19.80	20.80	1.00			21-4					0.001			
			22.85	23.85	1.00			21-5					0.005			
			23.85	24.54	0.69			21-6			0.386					3.7
			24.54	25.10	0.56			21-7			0.047					3.9
			25.10	26.24	1.14			21-8					0.003			
			26.24	26.90	0.66			21-9						4		
			26.90	27.78	0.88			21-10						12		
			27.78	28.78	1.00			21-11						5		
			28.78	29.40	0.62			21-12						4		
			34.27	35.05	0.78			21-13						10		
			41.98	42.90	0.92			21-14					0.001			
			42.90	43.45	0.55			21-15			0.004					0.5
			43.45	44.03	0.58			21-16			0.024					3.0
			44.03	45.13	1.10			21-17						22		
			45.13	46.13	1.00			21-18						7		
			46.77	47.35	0.58			21-19						75		
			52.90	53.90	1.00			21-20					0.001			
			53.90	54.40	0.50			21-21			0.004					0.7
			54.40	55.40	1.00			21-22					0.001			
			68.70	69.20	0.50			21-23					0.034	1380		

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-22 — PAGE: 1 OF: 2

AREA: Siwash North Zone
CLAIM: ELK 21
SECTION: 2190E
CORE SIZE: HQ
CORE RECOVERY: 92.37% ROD: 60.45% CORE STORED AT: ELK RACK "A" BAY 7

DIP: -80.00 AZIMUTH (t): 0.0
NORTHING: 3342.03
EASTING: 2190.13
ELEVATION: 1653.80

DEPTH: 061.57
DATE STARTED: JULY 2, 1990
DATE FINISHED: JULY 3, 1990
CONTRACTOR: LECLERC D.D.
LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-22 was drilled to further test the grade and continuity of mineralization encountered in hole SND90-21. Numerous narrow bands and one 1.5m zone of phyllic alteration (including one 10cm quartz vein) was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	NIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm	
0.0	-80.00	0.0	.00	1.22	1.22		CS										
26.22	-80.00	0.0	1.22	2.13	0.91		OB										
			2.13	6.90	4.77		P2QM										
			6.90	8.05	1.15		A1QM										
			8.05	10.70	2.65		A3QM										
			10.70	12.73	2.03		P2QM										
			12.73	16.00	3.27		P2GD										
			16.00	27.96	11.96		P3GD										
			27.96	34.72	6.76		P1GD										
			34.72	36.31	1.59		F3GD										
			36.31	39.07	2.76		P1GD										
			39.07	42.28	3.21		P3GD										
			42.28	43.91	1.63		P4GD										
			43.91	46.53	2.62		P3GD										
			46.53	54.17	7.64		P1GD										
			54.17	58.34	4.17		P2GD										
			58.34	61.57	3.23		P1GD										
			11.40	12.40	1.00			22-1						700			
			16.20	17.20	1.00			22-2						1			
			17.20	18.20	1.00			22-3					0.001				
			18.20	19.20	1.00			22-4			0.009					0.3	
			19.20	20.20	1.00			22-5			0.012					0.9	
			20.20	21.20	1.00			22-6					0.001				
			21.20	22.20	1.00			22-7						2			
			31.40	32.40	1.00			22-8						1			
			32.40	33.40	1.00			22-9					0.001				
			33.40	33.90	0.50			22-10			0.010					0.2	
			33.90	34.70	0.80			22-11					0.001				
			34.70	35.20	0.50			22-12			0.062					1.9	
								CONTD									

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-22 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm	
			35.20	36.35	1.15			22-13			0.037					2.1	
			36.35	37.15	0.80			22-14					0.001				
			37.15	37.65	0.50			22-15			0.001					0.2	
			37.65	38.50	0.85			22-16					0.001				
			38.50	39.50	1.00			22-17						19			
			39.50	40.50	1.00			22-18					0.001				
			40.50	41.00	0.50			22-19			0.001					0.1	
			41.00	42.00	1.00			22-20					0.001				
			42.00	43.00	1.00			22-21						12			
			43.00	43.75	0.75			22-22						3			
			43.75	44.45	0.70			22-23					0.001				
			44.45	44.95	0.50			22-24			0.003					0.1	
			44.95	45.80	0.85			22-25					0.002				
			45.80	46.35	0.55			22-26			0.001					0.2	
			46.35	47.35	1.00			22-27					0.001				
			47.35	48.35	1.00			22-28						1			
			49.50	50.75	1.25			22-29						1			
			52.00	53.00	1.00			22-30						35			
			54.25	55.50	1.25			22-31						4			
			55.50	56.75	1.25			22-32						12			
			59.50	60.50	1.00			22-33						1			

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND90-23 | PAGE: 1 OF: 3

AREA: Siwash North Zone
CLAIM: ELK 21
SECTION: 2190E
CORE SIZE: HQ
CORE RECOVERY: 95.87% RQD: 71.83%

DIP: -60.00 AZIMUTH (t): 0.0
NORTHING: 3295.63
EASTING: 2190.90
ELEVATION: 1657.04
CORE STORED AT: ELK RACK "A" BAY 7

DEPTH: 082.91
DATE STARTED: JULY 3, 1990
DATE FINISHED: JULY 6, 1990
CONTRACTOR: LECLERC D.D.
LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-23 was drilled to test for 1)down dip continuity of the mineralized zone intersected in DDH SND90-22 and 2) an east trending fault which displaces the south block upwards 35m. The mineralized zone was intersected at 55.84m and a broken section that may be the fault was intersected between 52.5 and 51.5m.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	NIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-60.00	0.0	.00	1.83	1.83		OB									
38.00	-62.00	0.0	1.83	4.60	2.77		QM									
			4.60	4.88	0.28		GG									
			4.88	20.16	15.28		QM									
			20.16	20.26	0.10		AP									
			20.26	34.90	14.64		QM									
			34.90	37.65	2.75		K3QM									
			37.65	39.87	2.22		QM									
			39.87	40.84	0.97		S4QM									
			40.84	41.70	0.86		QM									
			41.70	43.00	1.30		K2QM									
			43.00	44.00	1.00		S3QM									
			44.00	45.30	1.30		P3QM									
			45.30	45.42	0.12		F3QM									
			45.42	46.00	0.58		S4QM									
			46.00	47.30	1.30		P4GD									
			47.30	47.70	0.40		K3GD									
			47.70	51.20	3.50		P4GD									
			51.20	52.40	1.20		P1GD									
			52.40	54.40	2.00		P4GD									
			54.40	54.60	0.20		GG									
			54.60	55.74	1.14		P4GD									
			55.74	55.84	0.10		QV									
			55.84	56.60	0.76		F5GD									
			56.60	57.00	0.40		P3GD									
			57.00	57.15	0.15		F3GD									
			57.15	57.77	0.62		P3GD									
			57.77	62.85	5.08		GD									
			62.85	63.20	0.35		P3GD									
			63.20	66.64	3.44		GD									
			66.64	66.70	0.06		S4GD									
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-23 PAGE 2 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Reanalysis	FA	NIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			66.70	70.13	3.43		GD									
			70.13	70.26	0.13		XZGD									
			70.26	73.50	3.24		GD									
			73.50	73.60	0.10		SAGD									
			73.60	76.44	2.84		GD									
			76.44	76.51	0.07		SAGD									
			76.51	77.98	1.47		GD									
			77.98	78.10	0.12		SAGD									
			78.10	79.13	1.03		GD									
			79.13	79.21	0.08		SZGD									
			79.21	81.57	2.36		GD									
			81.57	81.64	0.07		SZGD									
			81.64	82.91	1.27		GD									
			36.22	36.72	0.50			23-1						3160		
			45.10	45.60	0.50			23-2						42		
			54.74	55.74	1.00			23-3					0.001			
			55.74	56.60	0.86			23-4			0.041					7.3
			56.60	57.35	0.75			23-5					0.001			
			57.35	58.35	1.00			23-6					0.001			
			76.20	76.70	0.50			23-7						10		
			77.75	78.25	0.50			23-8						7		
			78.90	79.40	0.50			23-9						47		
			81.30	81.80	0.50			23-10						6		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK D.D.H.: SND90-24 PAGE: 1 OF: 2

AREA: Siwash North Zone
CLAIM: ELK 21
SECTION: 2240E
CORE SIZE: HQ
CORE RECOVERY: 93.14% RQD: 58.74%

DIP: -45.00 AZIMUTH (t): 0.0
NORTHING: 3356.33
EASTING: 2239.76
ELEVATION: 1649.93
CORE STORED AT: ELK RACK "A" BAY 8

DEPTH: 076.20
DATE STARTED: JULY 6, 1990
DATE FINISHED: JULY 8, 1990
CONTRACTOR: LECLERC D.D.
LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-24 was drilled to test the down-dip extension of grade and continuity of mineralzation encountered in trench SN88-1. Three zones of sericitic-phyllic alteration, one including a 14cm quartz vein, were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-45.00	0.0	.00	1.52	1.52		CS									
30.63	-45.00	0.0	1.52	2.80	1.28		QM									
			2.80	5.29	2.49		P2QM									
			5.29	9.20	3.91		P1QM									
			9.20	10.80	1.60		A2QM									
			10.80	14.23	3.43		P4QM									
			14.23	18.30	4.07		P2QM									
			18.30	20.60	2.30		S2QM									
			20.60	24.47	3.87		P2QM									
			24.47	25.69	1.22		P3QM									
			25.69	25.95	0.26		S3QM									
			25.95	28.18	2.23		P3QM									
			28.18	28.62	0.44		S5QM									
			28.62	29.26	0.64		A5QM									
			29.26	29.40	0.14		QV									
			29.40	31.16	1.76		P3QM									
			31.16	31.44	0.28		S1QM									
			31.44	32.90	1.46		P3QM									
			32.90	33.10	0.20		S1QM									
			33.10	34.85	1.75		P3QM									
			34.85	35.39	0.54		S4QM									
			35.39	47.44	12.05		P3QM									
			47.44	56.50	9.06		P1QM									
			56.50	60.89	4.39		P1GD									
			60.89	61.24	0.35		F4GD									
			61.24	62.54	1.30		P3GD									
			62.54	65.48	2.94		P1GD									
			65.48	71.49	6.01		P3GD									
			71.49	76.20	4.71		P1GD									
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-24 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			25.10	26.10	1.00			24-1						10		
			26.10	27.10	1.00			24-2						5		
			27.10	28.10	1.00			24-3					0.001			
			28.10	28.60	0.50			24-4			0.080					4.8
			28.60	29.45	0.85			24-5			0.207					14.8
			29.45	30.45	1.00			24-6					0.001			
			30.45	31.45	1.00			24-7						1		
			32.80	33.80	1.00			24-8						4		
			33.80	34.80	1.00			24-9					0.001			
			34.80	35.40	0.60			24-10			0.096					5.3
			35.40	36.40	1.00			24-11					0.001			
			36.40	37.40	1.00			24-12						3		
			58.75	59.75	1.00			24-13						2		
			59.75	60.75	1.00			24-14					0.001			
			60.75	61.25	0.50			24-15			0.004					1.1
			61.25	62.25	1.00			24-16					0.001			
			62.25	63.25	1.00			24-17						1		
			65.75	66.25	0.50			24-18						21		
			70.90	71.40	0.50			24-19						7		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND90-25 | PAGE: 1 OF: 2

AREA: Siwash North Zone
CLAIM: ELK 21
SECTION: 2240E
CORE SIZE: HQ
CORE RECOVERY: 95.52% RQD: 64.77%

DIP: -90.00 AZIMUTH (t): 0.0
NORTHING: 3355.31
EASTING: 2239.65
ELEVATION: 1650.02
CORE STORED AT: ELK RACK "A" BAY 8

DEPTH: 047.85
DATE STARTED: JULY 8, 1990
DATE FINISHED: JULY 9, 1990
CONTRACTOR: LECLERC D.D.
LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-25 was drilled to test the down-dip extension of grade and continuity of mineralization encountered in trench SN88-3. A 5.5m wide zone of phyllic alteration, including a 7cm and a 9cm quartz vein, were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-90.00	0.0	.00	1.22	1.22		CS									
			1.22	8.17	6.95		P2QM									
			8.17	8.68	0.51		S2QM									
			8.68	10.37	1.69		P2QM									
			10.37	14.61	4.24		P3QM									
			14.61	19.17	4.56		P2QM									
			19.17	20.62	1.45		A2QM									
			20.62	23.59	2.97		P3QM									
			23.59	23.83	0.24		S2QM									
			23.83	26.62	2.79		P2QM									
			26.62	27.13	0.51		S4QM									
			27.13	27.80	0.67		P3QM									
			27.80	28.17	0.37		F3QM									
			28.17	28.41	0.24		P3QM									
			28.41	28.70	0.29		F3QM									
			28.70	29.11	0.41		P3QM									
			29.11	29.50	0.39		F3QM									
			29.50	32.97	3.47		P3QM									
			32.97	33.32	0.35		F3QM									
			33.32	38.19	4.87		P2QM									
			38.19	38.60	0.41		S2QM									
			38.60	41.80	3.20		P2QM									
			41.80	45.97	4.17		P1QM									
			45.97	46.33	0.36		F1QM									
			46.33	47.85	1.52		P1QM									
			8.15	8.70	0.55			25-1						7		
			20.15	20.65	0.50			25-2						60		
			24.60	25.60	1.00			25-3						2		
			25.60	26.60	1.00			25-4					0.001			
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-25 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	NIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm	
			26.60	27.15	0.55			25-5			0.031					3.6	
			27.15	27.80	0.65			25-6					0.001				
			27.80	28.30	0.50			25-7			0.002					0.2	
			28.30	28.80	0.50			25-8			0.002					0.2	
			28.80	29.50	0.70			25-9			0.010					1.7	
			29.50	30.50	1.00			25-10					0.001				
			30.50	31.70	1.20			25-11						1			
			31.70	32.90	1.20			25-12					0.001				
			32.90	33.40	0.50			25-13			0.027					1.2	
			33.40	34.40	1.00			25-14					0.001				
			34.40	35.40	1.00			25-15						11			
			37.50	38.60	1.10			25-16						62			
			41.50	42.00	0.50			25-17						6			
			43.00	44.00	1.00			25-18						16			
			45.90	46.40	0.50			25-19						48			

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-26 — PAGE: 1 OF 2

AREA: Siwash North Zone
CLAIM: ELK 21
SECTION: 2240E
CORE SIZE: HQ
CORE RECOVERY: 94.41% RQD: 61.85% CORE STORED AT: ELK RACK "A" BAY 8

DIP: -90.00 AZIMUTH (t): 0.0
NORTHING: 3310.01
EASTING: 2238.46
ELEVATION: 1652.83

DEPTH: 073.76
DATE STARTED: JULY 9, 1990
DATE FINISHED: JULY 11, 1990
CONTRACTOR: LECLERC D.D.
LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-26 was drilled to further test the downdip continuity of grade and mineralization encountered in holes SND90-24 and SND90-25. A 2.8m zone of sericitic-phyllic alteration, including a 25cm quartz vein, was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		PA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-90.00	0.0	.00	.61	0.61		CS									
			.61	3.56	2.95		A2QM									
			3.56	20.29	16.73		P2QM									
			20.29	20.61	0.32		S1QM									
			20.61	22.38	1.77		P2QM									
			22.38	22.67	0.29		K2QM									
			22.67	28.29	5.62		P3QM									
			28.29	28.75	0.46		A1QM									
			28.75	29.75	1.00		P3QM									
			29.75	33.19	3.44		A1QM									
			33.19	40.69	7.50		P2QM									
			40.69	41.11	0.42		K1QM									
			41.11	43.99	2.88		P2QM									
			43.99	44.82	0.83		K1QM									
			44.82	47.17	2.35		P2QM									
			47.17	47.91	0.74		A2QM									
			47.91	49.00	1.09		A4QM									
			49.00	52.26	3.26		A2QM									
			52.26	55.98	3.72		P3QM									
			55.98	56.17	0.19		K2AD									
			56.17	61.67	5.50		P3QM									
			61.67	62.06	0.39		S1QM									
			62.06	62.36	0.30		S2QM									
			62.36	62.58	0.22		S2AP									
			62.58	63.32	0.74		S3QM									
			63.32	63.65	0.33		S4QM									
			63.65	64.17	0.52		QV									
			64.17	64.48	0.31		P4GD									
			64.48	70.90	6.42		P2GD									
			70.90	73.76	2.86		GD									
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-26 — PAGE: 2 OF: 2

AREA: — DIP: — AZIMUTH (t): — DEPTH:

CLAIM: — NORTHING: — DATE STARTED:

SECTION: — EASTING: — DATE FINISHED:

CORE SIZE: — ELEVATION: — CONTRACTOR:

CORE RECOVERY: — CORE STORED AT: — LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			58.00	58.50	0.50			26-1						35		
			60.10	61.10	1.00			26-2						7		
			61.10	62.10	1.00			26-3					0.001			
			62.10	63.10	1.00			26-4					0.001			
			63.10	63.60	0.50			26-5			0.010					4.3
			63.60	64.20	0.60			26-6			0.516					82.4
			64.20	64.70	0.50			26-7			0.012					1.7
			64.70	65.70	1.00			26-8					0.001			
			65.70	66.70	1.00			26-9						19		
			71.00	71.50	0.50			26-10						93		

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-27 — PAGE: 1 OF: 2

AREA: Siwash North Zone
CLAIM: ELK 21
SECTION: 2290E
CORE SIZE: HQ
CORE RECOVERY: 93.93% RQD: 65.42% CORE STORED AT: ELK RACK "A" BAY 9

DIP: -45.00 AZIMUTH (t): 0.0
NORTHING: 3341.82
EASTING: 2290.56
ELEVATION: 1649.57

DEPTH: 055.47
DATE STARTED: JULY 11, 1990
DATE FINISHED: JULY 13, 1990
CONTRACTOR: LECLERC D.D.
LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-27 was drilled to test the down-dip extension of grade and continuity of mineralzation encountered in trench SN90-2. A 10m wide zone of moderate to strong phyllic alteration, including a 15cm quartz vein, was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-45.00	0.0	.00	2.44	2.44		CS									
27.50	-42.50	0.0	2.44	9.52	7.08		P1QM									
			9.52	12.97	3.45		P2QM									
			12.97	13.18	0.21		S3QM									
			13.18	16.49	3.31		P2QM									
			16.49	16.90	0.41		S1QM									
			16.90	17.49	0.59		P2QM									
			17.49	19.56	2.07		P1QM									
			19.56	20.20	0.64		K1QM									
			20.20	25.58	5.38		P1QM									
			25.58	28.80	3.22		P3QM									
			28.80	29.53	0.73		A5QM									
			29.53	30.81	1.28		P3QM									
			30.81	33.92	3.11		P2QM									
			33.92	34.19	0.27		F3QM									
			34.19	35.52	1.33		P2QM									
			35.52	36.20	0.68		X1QM									
			36.20	36.62	0.42		F3QM									
			36.62	40.73	4.11		P2QM									
			40.73	40.99	0.26		F4QM									
			40.99	41.64	0.65		P2QM									
			41.64	41.99	0.35		F4QM									
			41.99	42.31	0.32		P2QM									
			42.31	42.56	0.25		S2QM									
			42.56	44.11	1.55		P2QM									
			44.11	44.44	0.33		F4QM									
			44.44	46.04	1.60		P3QM									
			46.04	46.38	0.34		QV									
			46.38	46.64	0.26		P5QM									
			46.64	52.20	5.56		P3QM									
			52.20	52.49	0.29		S2QM									
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-27 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			52.49	55.47	2.98		P3QM									
			25.40	26.15	0.75			27-1						8		
			31.20	32.20	1.00			27-2						2		
			32.20	32.75	0.55			27-3					0.001			
			32.75	33.75	1.00			27-4					0.001			
			33.75	34.25	0.50			27-5			0.094					3.4
			34.25	35.20	0.95			27-6					0.001			
			35.20	36.15	0.95			27-7					0.001			
			36.15	36.65	0.50			27-8			1.555					44.8
			36.65	37.75	1.10			27-9					0.001			
			37.75	38.25	0.50			27-10			0.020					0.4
			38.25	39.50	1.25			27-11					0.001			
			39.50	40.50	1.00			27-12					0.001			
			40.50	41.00	0.50			27-13			0.016					0.9
			41.00	41.50	0.50			27-14					0.001			
			41.50	42.00	0.50			27-15			0.083					4.8
			42.00	43.00	1.00			27-16					0.001			
			43.00	44.00	1.00			27-17					0.001			
			44.00	44.50	0.50			27-18			0.006					0.4
			44.50	45.25	0.75			27-19					0.001			
			45.25	46.00	0.75			27-20					0.001			
			46.00	46.50	0.50			27-21			0.057					5.0
			46.50	47.50	1.00			27-22					0.001			
			47.50	48.50	1.00			27-23						12		
			51.00	52.50	1.50			27-24						29		
			53.60	54.10	0.50			27-25						60		

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-28 — PAGE: 1 OF: 2

AREA: Siwash North Zone — DIP: -80.00 — AZIMUTH (t): 0.0 — DEPTH: 075.29

CLAIM: ELK 21 — NORTHING: 3313.38 — DATE STARTED: JULY 14, 1990

SECTION: 2290E — EASTING: 2290.85 — DATE FINISHED: JULY 15, 1990

CORE SIZE: HQ — ELEVATION: 1654.89 — CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 95.42% RQD: 82.31% CORE STORED AT: ELK RACK "A" BAY 9 — LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-28 was drilled to test the down-dip extension of grade and continuity of mineralzation encountered in hole SND90-27. A 10.5m wide zone of moderate to strong phyllic alteration, including a 17cm quartz vein, was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-80.00	0.0	.00	14.29	14.29		P1QM									
37.00	-80.00	0.0	14.29	14.73	0.44		S2QM									
			14.73	17.70	2.97		P1QM									
			17.70	18.08	0.38		S2QM									
			18.08	23.07	4.99		P1QM									
			23.07	32.42	9.35		P2QM									
			32.42	32.65	0.23		S3QM									
			32.65	34.57	1.92		P2QM									
			34.57	50.13	15.56		P1QM									
			50.13	51.72	1.59		K1QM									
			51.72	54.18	2.46		P1QM									
			54.18	54.58	0.40		X1QM									
			54.58	54.98	0.40		GG									
			54.98	56.19	1.21		X1QM									
			56.19	57.11	0.92		F5QM									
			57.11	57.64	0.53		P2QM									
			57.64	59.07	1.43		F5QM									
			59.07	59.24	0.17		QV									
			59.24	59.81	0.57		F5QM									
			59.81	61.30	1.49		P2QM									
			61.30	61.75	0.45		F1QM									
			61.75	63.08	1.33		P2QM									
			63.08	63.63	0.55		F2QM									
			63.63	65.03	1.40		P2QM									
			65.03	66.68	1.65		F3QM									
			66.68	67.24	0.56		P2QM									
			67.24	67.72	0.48		S2QM									
			67.72	70.31	2.59		P1QM									
			70.31	71.00	0.69		F1QM									
			71.00	75.29	4.29		QM									
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-28 — PAGE: 2 OF: 2

AREA: — DIP: — AZIMUTH (t): — DEPTH:
CLAIM: — NORTHING: — DATE STARTED:
SECTION: — EASTING: — DATE FINISHED:
CORE SIZE: — ELEVATION: — CONTRACTOR:
CORE RECOVERY: — CORE STORED AT: — LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			14.25	14.75	0.50			28-1						21		
			52.50	53.50	1.00			28-2						68		
			53.50	54.50	1.00			28-3					0.001			
			54.50	55.00	0.50			28-4			0.041					11.1
			55.00	56.10	1.10			28-5					0.001			
			56.10	57.10	1.00			28-6			0.006					1.2
			57.10	57.90	0.80			28-7					0.001			
			57.90	59.05	1.15			28-8			0.010					3.4
			59.05	59.55	0.50			28-9			0.026					2.2
			59.55	60.05	0.50			28-10			0.014					0.7
			60.05	61.25	1.20			28-11					0.001			
			61.25	61.75	0.50			28-12			0.016					2.5
			61.75	62.30	0.55			28-13					0.001			
			62.30	63.00	0.70			28-14			0.001					0.1
			63.00	63.70	0.70			28-15			0.020					
			63.70	65.00	1.30			28-16					0.013			
			65.00	65.85	0.85			28-17			0.143					
			65.85	66.70	0.85			28-18			0.016					
			66.70	68.10	1.40			28-19					0.002			
			68.10	68.60	0.50			28-20					0.001			
			68.60	69.45	0.85			28-21						20		
			69.45	70.30	0.85			28-22					0.002			
			70.30	71.00	0.70			28-23			0.002					
			71.00	72.00	1.00			28-24					0.001			
			72.00	73.00	1.00			28-25						1		

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-29 — PAGE: 1 OF: 2

AREA: Siwash North Zone
CLAIM: ELK 21
SECTION: 2290E
CORE SIZE: HQ
CORE RECOVERY: 91.41% RQD: 53.28%

DIP: -77.00 AZIMUTH (t): 0.0
NORTHING: 3270.09
EASTING: 2291.71
ELEVATION: 1651.39
CORE STORED AT: ELK RACK "A" BAY 9

DEPTH: 092.05
DATE STARTED: JULY 16, 1990
DATE FINISHED: JULY 18, 1990
CONTRACTOR: LECLERC D.D.
LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-29 was drilled to test grade and continuity of mineralization encountered in hole SND90-28. A 3.6m wide zone of phyllic and sericitic alteration, including 10cm quartz veins and a 25 cm quartz vein with visible gold was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-77.00	0.0	.00	1.83	1.83		CS									
22.66	-75.00	0.0	1.83	8.23	6.40		P1QM									
68.58	-74.00	0.0	8.23	8.93	0.70		A1QM									
			8.93	9.46	0.53		S1QM									
			9.46	10.07	0.61		A1QM									
			10.07	10.94	0.87		A3QM									
			10.94	41.62	30.68		P1QM									
			41.62	42.03	0.41		S1QM									
			42.03	59.95	17.92		P1QM									
			59.95	61.64	1.69		P3QM									
			61.64	62.07	0.43		K2QM									
			62.07	63.07	1.00		GG									
			63.07	64.70	1.63		K1QM									
			64.70	67.67	2.97		P2QM									
			67.67	68.50	0.83		GG									
			68.50	71.33	2.83		P3QM									
			71.33	73.76	2.43		S2QM									
			73.76	80.00	6.24		P3QM									
			80.00	80.95	0.95		S2QM									
			80.95	81.34	0.39		GG									
			81.34	81.60	0.26		QV									
			81.60	81.85	0.25		F3QM									
			81.85	82.19	0.34		QV									
			82.19	82.65	0.46		F5QM									
			82.65	83.22	0.57		S4QM									
			83.22	83.97	0.75		S3QM									
			83.97	84.47	0.50		S2QM									
			84.47	84.94	0.47		KFQM									
			84.94	92.05	7.11		P3QM									
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-29 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			75.50	76.50	1.00			29-1						8		
			76.50	77.50	1.00			29-2					0.001			
			77.50	78.00	0.50			29-3			0.021					4.3
			78.00	79.25	1.25			29-4					0.001			
			79.25	80.25	1.00			29-5						6		
			80.25	81.25	1.00			29-6					0.001			
			81.25	81.75	0.50			29-7			1.752					63.6
			81.75	82.25	0.50			29-8			0.242					20.6
			82.25	82.75	0.50			29-9			0.072					4.1
			82.75	83.75	1.00			29-10					0.002			
			83.75	84.75	1.00			29-11						25		
			90.75	91.25	0.50			29-12						98		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK D.D.H.: SND90-30 PAGE: 1 OF: 2

AREA: Siwash North Zone DIP: -55.00 AZIMUTH (t): 0.0 DEPTH: 046.33

CLAIM: ELK 21 NORTHING: 3350.51 DATE STARTED: JULY 18, 1990

SECTION: 2340E EASTING: 2339.61 DATE FINISHED: JULY 23, 1990

CORE SIZE: HQ ELEVATION: 1636.43 CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 87.44% RQD: 50.62% CORE STORED AT: ELK RACK "A" BAY 10 LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-30 was drilled to further test the grade and conti- nuity of mineralization encountered in trench SN90-2. Approxi- mately 8.5m of phyllic alteration, including a 16cm quartz vein and an 11cm coarse-grained pyrite vein, was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-55.00	0.0	.00	2.44	2.44		CS									
23.16	-54.00	0.0	2.44	7.35	4.91		P2QM									
			7.35	10.26	2.91		P1QM									
			10.26	11.28	1.02		K1QM									
			11.28	17.10	5.82		P1QM									
			17.10	17.41	0.31		X1QM									
			17.41	19.86	2.45		P2QM									
			19.86	22.13	2.27		K1QM									
			22.13	24.70	2.57		P2QM									
			24.70	25.43	0.73		F4QM									
			25.43	25.59	0.16		QV									
			25.59	25.84	0.25		F5QM									
			25.84	27.21	1.37		P2QM									
			27.21	27.49	0.28		K1QM									
			27.49	28.33	0.84		P2QM									
			28.33	28.98	0.65		F4QM									
			28.98	29.09	0.11		QV									
			29.09	29.30	0.21		F4QM									
			29.30	32.65	3.35		P2QM									
			32.65	33.29	0.64		F4QM									
			33.29	34.37	1.08		P2QM									
			34.37	35.23	0.86		S2QM									
			35.23	35.89	0.66		P2QM									
			35.89	36.46	0.57		S3QM									
			36.46	37.62	1.16		P3QM									
			37.62	37.93	0.31		FKQM									
			37.93	38.70	0.77		P2QM									
			38.70	39.31	0.61		S2QM									
			39.31	40.48	1.17		P2QM									
			40.48	40.73	0.25		S3QM									
			40.73	41.28	0.55		K1QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-30 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			41.28	45.44	4.16		P2QM									
			45.44	46.33	0.89		K1QM									
			22.70	23.70	1.00			30-1						5		
			23.70	24.70	1.00			30-2					0.001			
			24.70	25.30	0.60			30-3			0.003					2.4
			25.30	25.85	0.55			30-4			0.035					13.2
			25.85	27.10	1.25			30-5					0.001			
			27.10	28.30	1.20			30-6					0.001			
			28.30	28.80	0.50			30-7			0.003					0.3
			28.80	29.30	0.50			30-8			0.041					2.6
			29.30	30.20	0.90			30-9					0.001			
			30.20	31.00	0.80			30-10					0.001			
			31.00	31.50	0.50			30-11			0.003					0.5
			31.50	32.65	1.15			30-12					0.001			
			32.65	33.30	0.65			30-13			0.006					0.4
			33.30	34.30	1.00			30-14					0.001			
			34.30	35.05	0.75			30-15					0.002			
			35.05	35.85	0.80			30-16					0.001			
			35.85	36.50	0.65			30-17			0.007					0.7
			36.50	37.50	1.00			30-18			0.006		0.001			
			37.50	38.50	1.00			30-19						13		
			38.50	39.75	1.25			30-20					0.002			
			39.75	40.25	0.50			30-21								1.3
			40.25	41.30	1.05			30-22					0.005			
			41.30	42.30	1.00			30-23						2		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND90-31 | PAGE: 1 OF 2

AREA: Siwash North Zone | DIP: -90.00 | AZIMUTH (t): 0.0 | DEPTH: 057.00

CLAIM: ELK 21 | NORTHING: 3339.95 | DATE STARTED: JULY 23, 1990

SECTION: 2340E | EASTING: 2339.13 | DATE FINISHED: JULY 25, 1990

CORE SIZE: HQ | ELEVATION: 1638.64 | CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 93.15% RQD: 70.53% | CORE STORED AT: ELK RACK "A" BAY 10 | LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-31 was drilled to test the grade and continuity of mineralization encountered in hole SND90-30 and trench SN90-2. Two zones of phyllic-sericitic alteration, the lower including a 19cm quartz vein, was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-90.00	0.0	.00	.61	0.61		CS									
			.61	2.40	1.79		A1QM									
			2.40	5.00	2.60		QM									
			5.00	13.89	8.89		P1QM									
			13.89	14.20	0.31		AP									
			14.20	16.30	2.10		P1QM									
			16.30	16.76	0.46		P3QM									
			16.76	25.75	8.99		P2QM									
			25.75	27.15	1.40		P3QM									
			27.15	30.72	3.57		P2QM									
			30.72	31.68	0.96		K2QM									
			31.68	32.24	0.56		K4QM									
			32.24	32.80	0.56		K2QM									
			32.80	33.44	0.64		P2QM									
			33.44	34.28	0.84		F4QM									
			34.28	35.01	0.73		S4QM									
			35.01	35.51	0.50		GG									
			35.51	36.47	0.96		F5QM									
			36.47	37.08	0.61		S4QM									
			37.08	37.40	0.32		P1QM									
			37.40	37.63	0.23		S4QM									
			37.63	38.34	0.71		P1QM									
			38.34	38.54	0.20		F5QM									
			38.54	38.93	0.39		P1QM									
			38.93	40.22	1.29		S4QM									
			40.22	41.80	1.58		P2QM									
			41.80	43.81	2.01		F4QM									
			43.81	44.00	0.19		QV									
			44.00	45.39	1.39		F4QM									
			45.39	46.25	0.86		P2QM									
			46.25	46.83	0.58		F2QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-31 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			46.83	47.13	0.30		P2QM									
			47.13	48.35	1.22		P2QM									
			48.35	57.00	8.65		P1QM									
			31.40	32.40	1.00			31-1						14		
			32.40	33.40	1.00			31-2					0.001			
			33.40	34.30	0.90			31-3			0.004					1.3
			34.30	35.50	1.20			31-4					0.025			
			35.50	36.50	1.00			31-5			0.003					2.8
			36.50	37.40	0.90			31-6					0.001			
			37.40	38.30	0.90			31-7					0.001			
			38.30	38.80	0.50			31-8			0.001					1.3
			38.80	39.40	0.60			31-9			0.001					1.1
			39.40	40.60	1.20			31-10					0.001			
			40.60	41.80	1.20			31-11					0.001			
			41.80	42.70	0.90			31-12			0.034					3.7
			42.70	43.60	0.90			31-13			0.048					3.0
			43.60	44.10	0.50			31-14			0.471					15.4
			44.10	44.60	0.50			31-15			0.024					2.2
			44.60	45.40	0.80			31-16			0.077					6.6
			45.40	46.25	0.85			31-17					0.010			
			46.25	47.30	1.05			31-18			0.093					4.8
			47.30	48.35	1.05			31-19			0.110					9.4
			48.35	49.35	1.00			31-20					0.001			
			49.35	50.35	1.00			31-21						23		

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-32 — PAGE: 1 OF: 2

AREA: Siwash North Zone — DIP: -90.00 — AZIMUTH (t): 0.0 — DEPTH: 096.62

CLAIM: ELK 21 — NORTHING: 3290.36 — DATE STARTED: JULY 25, 1990

SECTION: 2340E — EASTING: 2339.24 — DATE FINISHED: JULY 27, 1990

CORE SIZE: HQ — ELEVATION: 1644.54 — CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 92.64% RQD: 69.31% — CORE STORED AT: ELK RACK "A" BAY 10 — LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-32 was drilled to test the grade and continuity of mineralization encountered in hole SND90-31. Approximately 1m of phyllic alteration, including a 45cm quartz vein, was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-90.00	0.0	.00	2.44	2.44		CS									
			2.44	5.00	2.56		A1QM									
			5.00	11.48	6.48		P1QM									
			11.48	17.01	5.53		QM									
			17.01	25.62	8.61		P1QM									
			25.62	26.65	1.03		S2QM									
			26.65	30.00	3.35		P1QM									
			30.00	30.94	0.94		AP									
			30.94	33.28	2.34		P1QM									
			33.28	41.17	7.89		QM									
			41.17	51.42	10.25		P1QM									
			51.42	60.64	9.22		QM									
			60.64	63.37	2.73		P1QM									
			63.37	64.71	1.34		P2QM									
			64.71	65.10	0.39		S3QM									
			65.10	65.91	0.81		P2QM									
			65.91	66.19	0.28		S3QM									
			66.19	66.53	0.34		P2QM									
			66.53	67.26	0.73		A3QM									
			67.26	76.81	9.55		P2QM									
			76.81	80.04	3.23		K2QM									
			80.04	83.23	3.19		P2QM									
			83.23	84.55	1.32		A2QM									
			84.55	85.00	0.45		QV									
			85.00	87.39	2.39		F5QM									
			87.39	88.03	0.64		P2QM									
			88.03	88.52	0.49		S2QM									
			88.52	93.04	4.52		P2QM									
			93.04	94.42	1.38		QM									
			94.42	95.22	0.80		P2QM									
			95.22	96.62	1.40		QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-32 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		PA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			24.60	25.60	1.00			32-1						54		
			25.60	26.15	0.55			32-2					0.008			
			26.15	26.70	0.55			32-3					0.003			
			26.70	27.80	1.10			32-4						4		
			63.65	64.65	1.00			32-5						3		
			64.65	65.15	0.50			32-6					0.019			
			65.15	66.20	1.05			32-7						10		
			82.40	83.40	1.00			32-8						37		
			83.40	84.40	1.00			32-9					0.003			
			84.40	85.05	0.65			32-10			0.011					2.8
			85.05	86.30	1.25			32-11			0.019					1.8
			86.30	87.40	1.10			32-12			0.009					1.0
			87.40	88.00	0.60			32-13					0.001			
			88.00	88.55	0.55			32-14					0.001			
			88.55	89.55	1.00			32-15						12		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-33 PAGE 1 OF 2

AREA: Siwash North Zone DIP: -80.00 AZIMUTH (t): 0.0 DEPTH: 122.15

CLAIM: ELK 21 NORTHING: 3244.36 DATE STARTED: JULY 25, 1990

SECTION: 2340E EASTING: 2338.06 DATE FINISHED: JULY 17,1990

CORE SIZE: HQ ELEVATION: 1645.72 CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 92.79% RQD: 67.89% CORE STORED AT: ELK RACK "A" BAY 11 LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-33 was drilled to test the down dip continuity of mineralization encountered in holes SND90-30 to 32, and in trench SN90-2. One zone of phyllic alteration, 4.75m thick and including a 55cm quartz vein with 30% pyrite (+ other sulfides), was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-80.00	0.0	.00	3.66	3.66		CS									
32.31	-81.00	0.0	3.66	9.20	5.54		P2QM									
			9.20	11.28	2.08		A1QM									
			11.28	12.82	1.54		A2QM									
			12.82	19.35	6.53		P2QM									
			19.35	20.42	1.07		GG									
			20.42	21.76	1.34		P2QM									
			21.76	23.87	2.11		A1QM									
			23.87	33.77	9.90		P2QM									
			33.77	35.50	1.73		K1QM									
			35.50	47.26	11.76		P2QM									
			47.26	51.68	4.42		P1QM									
			51.68	52.56	0.88		AP									
			52.56	54.05	1.49		QM									
			54.05	54.57	0.52		P1QM									
			54.57	58.94	4.37		QM									
			58.94	59.55	0.61		P1QM									
			59.55	74.48	14.93		QM									
			74.48	75.58	1.10		P1QM									
			75.58	76.38	0.80		S1QM									
			76.38	83.44	7.06		P1QM									
			83.44	85.45	2.01		A2QM									
			85.45	87.07	1.62		P1QM									
			87.07	107.74	20.67		QM									
			107.74	109.38	1.64		K3QM									
			109.38	109.91	0.53		F4QM									
			109.91	110.46	0.55		QV									
			110.46	111.01	0.55		F5QM									
			111.01	111.49	0.48		F2QM									
			111.49	113.37	1.88		P1QM									
			113.37	114.13	0.76		F4QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-33 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			114.13	115.87	1.74		P1QM									
			115.87	121.16	5.29		QM									
			121.16	121.60	0.44		F2QM									
			121.60	122.15	0.55		QM									
			10.30	11.30	1.00			33-1						4		
			107.35	108.35	1.00			33-2						2		
			108.35	109.35	1.00			33-3					0.001			
			109.35	109.90	0.55			33-4			0.041					9.0
			109.90	110.50	0.60			33-5			5.117					185.9
			110.50	111.05	0.55			33-6			0.006					4.0
			111.05	111.55	0.50			33-7					0.001			
			111.55	112.45	0.90			33-8						1		
			112.45	113.35	0.90			33-9						15		
			113.35	114.15	0.80			33-10					0.001			
			114.15	115.15	1.00			33-11						2		
			120.10	121.10	1.00			33-12						1		
			121.10	121.60	0.50			33-13					0.006			
			121.60	122.15	0.55			33-14						3		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK D.D.H.: SND90-35 PAGE: 1 OF: 2

AREA: Siwash North Zone DIP: -45.00 AZIMUTH (t): 0.0 DEPTH: 32.61

CLAIM: ELK 21 NORTHING: 3429.47 DATE STARTED: AUG 3, 1990

SECTION: 2440E EASTING: 2439.56 DATE FINISHED: AUG 3, 1990

CORE SIZE: HQ ELEVATION: 1634.98 CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 88.05% RQD: 57.96% CORE STORED AT: ELK RACK "A" BAY 12 LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-35 was drilled to test the down dip continuity of mineralization encountered in trench SN90-3. A few narrow zones of phyllic alteration, one including a 12cm quartz vein, was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-45.00	0.0	.00	3.66	3.66		CS									
16.55	-45.00	0.0	3.66	9.20	5.54		P2QM									
			9.20	9.52	0.32		F2QM									
			9.52	11.28	1.76		P2QM									
			11.28	16.00	4.72		S1QM									
			16.00	16.26	0.26		GG									
			16.26	16.50	0.24		QV									
			16.50	18.43	1.93		P1QM									
			18.43	18.84	0.41		S3QM									
			18.84	19.54	0.70		P2QM									
			19.54	25.16	5.62		S3QM									
			25.16	32.61	7.45		P1QM									
			5.50	6.50	1.00			35-1						1		
			6.50	7.50	1.00			35-2					0.001			
			7.50	8.00	0.50			35-3			0.023					1.0
			8.00	9.10	1.10			35-4					0.001			
			9.10	9.60	0.50			35-5			0.002					1.2
			9.60	10.60	1.00			35-6					0.001			
			10.60	11.60	1.00			35-7						6		
			13.85	15.00	1.15			35-8						16		
			15.00	16.00	1.00			35-9					0.001			
			16.00	16.50	0.50			35-10			0.445					19.8
			16.50	17.50	1.00			35-11					0.011			
			17.50	18.40	0.90			35-12						154		
			18.40	18.90	0.50			35-13						420		
			20.50	21.10	0.60			35-14						380		
			21.10	21.90	0.80			35-15						112		
			21.90	22.90	1.00			35-16						30		
			22.90	23.90	1.00			35-17					0.004			
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-35 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		PA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			23.90	24.40	0.50			35-18			0.031					0.6
			24.40	25.60	1.20			35-19					0.001			
			25.60	26.60	1.00			35-20						39		
			26.60	27.10	0.50			35-21						164		
			27.10	27.70	0.60			35-22						10		
			27.70	28.20	0.50			35-23						145		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND90-36 | PAGE: 1 OF 2

AREA: Siwash North Zone | DIP: -90.00 | AZIMUTH (t): 0.0 | DEPTH: 46.33

CLAIM: ELK 21 | NORTHING: 3417.33 | DATE STARTED: AUG 4, 1990

SECTION: 2440E | EASTING: 2439.72 | DATE FINISHED: AUG 4, 1990

CORE SIZE: HQ | ELEVATION: 1634.69 | CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 89.49% RQD: 52.26% | CORE STORED AT: ELK RACK "A" BAY 12 | LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-36 was drilled to test the down dip continuity of mineralization encountered in hole SND90-35, and in trench SN90-3. Numerous narrow zones of phyllic alteration with narrow quartz veins were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-90.00	0.0	.00	3.05	3.05		CS									
			3.05	6.53	3.48		P1QM									
			6.53	7.06	0.53		A4QM									
			7.06	7.79	0.73		FKQM									
			7.79	8.17	0.38		P2QM									
			8.17	8.36	0.19		F2QM									
			8.36	8.96	0.60		P2QM									
			8.96	9.43	0.47		F3QM									
			9.43	10.59	1.16		P2QM									
			10.59	10.87	0.28		F2QM									
			10.87	17.37	6.50		P1QM									
			17.37	20.08	2.71		P2QM									
			20.08	20.56	0.48		F1QM									
			20.56	21.61	1.05		S2QM									
			21.61	22.62	1.01		F2QM									
			22.62	22.93	0.31		F5QM									
			22.93	24.46	1.53		F2QM									
			24.46	26.29	1.83		S2QM									
			26.29	28.33	2.04		F1QM									
			28.33	29.57	1.24		P3QM									
			29.57	32.15	2.58		S2QM									
			32.15	46.33	14.18		P1QM									
			6.95	7.95	1.00			36-1						410		
			7.95	8.95	1.00			36-2					0.004			
			8.95	9.45	0.50			36-3			0.325					7.5
			9.45	10.50	1.05			36-4					0.001			
			10.50	11.00	0.50			36-5			0.022					0.5
			11.00	12.00	1.00			36-6					0.001			
			12.00	13.00	1.00			36-7						52		
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-36 — PAGE 2 OF 2

AREA: — DIP: — AZIMUTH (t): — DEPTH:
CLAIM: — NORTHING: — DATE STARTED:
SECTION: — EASTING: — DATE FINISHED:
CORE SIZE: — ELEVATION: — CONTRACTOR:
CORE RECOVERY: — CORE STORED AT: — LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			18.00	19.00	1.00			36-8						3		
			19.00	20.05	1.05			36-9					0.001			
			20.05	20.60	0.55			36-10			0.009					1.0
			20.60	21.60	1.00			36-11					0.001			
			21.60	22.50	0.90			36-12			0.001					0.3
			22.50	23.00	0.50			36-13			0.147					9.4
			23.00	23.75	0.75			36-14					0.012			
			23.75	24.50	0.75			36-15					0.001			
			24.50	25.50	1.00			36-16						97		
			30.50	31.50	1.00			36-17						22		
			36.90	37.90	1.00			36-18						72		
			37.90	38.90	1.00			36-19					0.001			
			38.90	39.40	0.50			36-20			0.019					1.6
			39.40	40.40	1.00			36-21					0.004			
			40.40	41.40	1.00			36-22						26		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND90-37 | PAGE: 1 OF 2

AREA: Siwash North Zone
CLAIM: ELK 21
SECTION: 2440E
CORE SIZE: HQ
CORE RECOVERY: 94.87% RQD: 46.60% CORE STORED AT: ELK RACK "A" BAY 12

DIP: -90.00 AZIMUTH (t): 0.0
NORTHING: 3370.71
EASTING: 2439.86
ELEVATION: 1631.65

DEPTH: 57.00
DATE STARTED: AUG 5, 1990
DATE FINISHED: AUG 6, 1990
CONTRACTOR: LECLERC D.D.
LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-37 was drilled to test the down dip continuity of mineralization encountered in trench SN90-1. Numerous narrow zones of phyllic alteration, including two 20cm quartz veins with pyrite and other sulfides, were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-90.00	0.0	.00	3.05	3.05		CS									
			3.05	6.71	3.66		P20M									
			6.71	8.23	1.52		K10M									
			8.23	17.66	9.43		P10M									
			17.66	19.34	1.68		A10M									
			19.34	34.86	15.52		P20M									
			34.86	35.27	0.41		F30M									
			35.27	35.75	0.48		P20M									
			35.75	36.46	0.71		F20M									
			36.46	37.10	0.64		P20M									
			37.10	37.46	0.36		F20M									
			37.46	37.66	0.20		P20M									
			37.66	38.50	0.84		GG									
			38.50	39.15	0.65		S30M									
			39.15	39.39	0.24		GG									
			39.39	39.65	0.26		S30M									
			39.65	41.16	1.51		P30M									
			41.16	41.37	0.21		S20M									
			41.37	42.79	1.42		P30M									
			42.79	43.02	0.23		S20M									
			43.02	43.72	0.70		P30M									
			43.72	44.15	0.43		F30M									
			44.15	44.62	0.47		P30M									
			44.62	44.88	0.26		QV									
			44.88	48.02	3.14		P20M									
			48.02	48.29	0.27		F40M									
			48.29	50.00	1.71		P20M									
			50.00	50.29	0.29		QV									
			50.29	57.00	6.71		P20M									

CONTD

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-37 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			3.50	4.00	0.50			37-1						12		
			15.60	16.60	1.00			37-2						7		
			16.60	17.60	1.00			37-3					0.001			
			17.60	18.10	0.50			37-4			0.011					0.5
			18.10	19.10	1.00			37-5					0.001			
			19.10	20.10	1.00			37-6						1		
			25.60	26.60	1.00			37-7						2		
			26.60	27.60	1.00			37-8					0.002			
			27.60	28.10	0.50			37-9			0.032					0.6
			28.10	29.10	1.00			37-10					0.001			
			29.10	30.10	1.00			37-11						15		
			30.10	31.10	1.00			37-12						58		
			32.80	33.80	1.00			37-13						3460		
			33.80	34.80	1.00			37-14					0.083			
			34.80	35.30	0.50			37-15			0.084					4.1
			35.30	35.80	0.50			37-16					0.001			
			35.80	36.50	0.70			37-17			0.082					3.0
			36.50	37.10	0.60			37-18					0.006			
			37.10	37.70	0.60			37-19			0.001					0.5
			37.70	38.50	0.80			37-20					0.001			
			38.50	39.70	1.20			37-21						29		
			41.50	42.50	1.00			37-33						41		
			42.50	43.50	1.00			37-22					0.003			
			43.50	44.50	1.00			37-23			0.006					1.6
			44.50	45.00	0.50			37-24			1.523					20.3
			45.00	46.00	1.00			37-25					0.001			
			46.00	47.00	1.00			37-26						6		
			47.00	47.90	0.90			37-27					0.001			
			47.90	48.40	0.50			37-28			0.026					3.9
			48.40	49.90	1.50			37-29					0.001			
			49.90	50.40	0.50			37-30			0.052					6.3
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK D.D.H.: SND90-37 PAGE: 3 OF: 2

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			50.40	51.40	1.00			37-31					0.001			
			51.40	52.40	1.00			37-32						4		

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-38 — PAGE 1 OF 2

AREA: Siwash North Zone — DIP: -85.00 — AZIMUTH (t): 0.0 — DEPTH: 85.95
CLAIM: ELK 21 — NORTHING: 3320.60 — DATE STARTED: AUG 6, 1990
SECTION: 2440E — EASTING: 2441.18 — DATE FINISHED: AUG 8, 1990
CORE SIZE: HQ — ELEVATION: 1631.27 — CONTRACTOR: LECLERC D.D.
CORE RECOVERY: 92.87% RQD: 44.16% — CORE STORED AT: ELK RACK "A" BAY 13 — LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-38 was drilled to test the down dip continuity of mineralization encountered in holes SND90-35, -36, and -37. Several zones of phyllic alteration with narrow quartz veins containing pyrite and other sulfides were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-85.00	0.0	.00	3.05	3.05		CS									
27.75	-86.00	0.0	3.05	18.78	15.73		P2QM									
70.60	-82.50	0.0	18.78	19.64	0.86		P3QM									
			19.64	22.46	2.82		P2QM									
			22.46	22.86	0.40		A3QM									
			22.86	50.76	27.90		P2QM									
			50.76	52.43	1.67		K1QM									
			52.43	52.74	0.31		A3QM									
			52.74	55.10	2.36		K1QM									
			55.10	55.35	0.25		GG									
			55.35	57.44	2.09		K1QM									
			57.44	57.69	0.25		F2QM									
			57.69	58.24	0.55		K1QM									
			58.24	58.42	0.18		F3QM									
			58.42	59.31	0.89		A2QM									
			59.31	67.28	7.97		P4AD									
			67.28	69.04	1.76		F4QM									
			69.04	70.26	1.22		GG									
			70.26	75.29	5.03		@BR									
			75.29	75.64	0.35		A2QM									
			75.64	76.09	0.45		X2GG									
			76.09	85.95	9.86		K1QM									
			16.75	17.75	1.00			38-1						1		
			17.75	18.75	1.00			38-2					0.001			
			18.75	19.65	0.90			38-3			0.111					8.6
			19.65	20.65	1.00			38-4					0.001			
			20.65	21.65	1.00			38-5						1		
			32.25	33.25	1.00			38-6						12		
			33.25	34.25	1.00			38-7					0.001			
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-38 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		PA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			34.25	34.75	0.50			38-8			0.108					1.3
			34.75	35.75	1.00			38-9					0.001			
			35.75	36.75	1.00			38-10						1		
			39.85	40.35	0.50			38-11						44		
			45.50	46.00	0.50			38-12						5		
			55.10	56.20	1.10			38-13						6		
			56.20	57.20	1.00			38-14					0.001			
			57.20	57.70	0.50			38-15			0.004					1.9
			57.70	58.20	0.50			38-16					0.001			
			58.20	58.70	0.50			38-17			0.002					1.4
			58.70	59.70	1.00			38-18					0.002			
			66.25	67.25	1.00			38-19					0.001			
			67.25	68.15	0.90			38-20			0.006					0.7
			68.15	69.05	0.90			38-21			0.017					3.2
			69.05	70.05	1.00			38-22					0.001			
			70.05	71.05	1.00			38-23						18		
			75.60	76.10	0.50			38-24						15		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-39 PAGE 1 OF 2

AREA: Siwash North Zone DIP: -44.50 AZIMUTH (t): 0.0 DEPTH: 46.18

CLAIM: ELK 21 NORTHING: 3443.10 DATE STARTED: AUG 9, 1990

SECTION: 2490E EASTING: 2489.05 DATE FINISHED: AUG 10, 1990

CORE SIZE: HQ ELEVATION: 1641.81 CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 96.62% RQD: 58.28% CORE STORED AT: ELK RACK "A" BAY 13 LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-39 was drilled to test the down dip continuity of mineralization encountered in trench SN90-4. Three narrow zones of phyllic alteration with narrow quartz veins containing pyrite and some chalcopyrite and sphalerite were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-44.50	0.0	.00	6.71	6.71		CS									
17.07	-46.00	0.0	6.71	7.16	0.45		OB									
			7.16	10.07	2.91		P1QM									
			10.07	10.62	0.55		S1QM									
			10.62	15.90	5.28		P1QM									
			15.90	16.23	0.33		K1QM									
			16.23	24.25	8.02		P1QM									
			24.25	25.00	0.75		F3QM									
			25.00	28.72	3.72		P2QM									
			28.72	29.00	0.28		GG									
			29.00	29.64	0.64		P2QM									
			29.64	30.00	0.36		S4QM									
			30.00	31.58	1.58		P2QM									
			31.58	32.01	0.43		S3QM									
			32.01	35.04	3.03		P1QM									
			35.04	35.31	0.27		F4QM									
			35.31	46.18	10.87		P1QM									
			18.90	19.40	0.50			39-1						14		
			19.40	20.30	0.90			39-2						1		
			20.30	21.30	1.00			39-3						1		
			21.30	22.30	1.00			39-4					0.001			
			22.30	22.80	0.50			39-5			0.006					0.7
			22.80	24.20	1.40			39-6					0.001			
			24.20	24.85	0.65			39-7			0.003					1.2
			24.85	25.50	0.65			39-8			0.006					1.3
			25.50	26.50	1.00			39-9					0.001			
			26.50	27.50	1.00			39-10						65		
			27.50	28.60	1.10			39-11					0.001			
			28.60	29.10	0.50			39-12			0.037					0.9
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-39 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			29.10	29.60	0.50			39-13					0.001			
			29.60	30.10	0.50			39-14			0.001					0.4
			30.10	31.10	1.00			39-15					0.001			
			31.10	32.10	1.00			39-16						57		
			32.10	33.50	1.40			39-17						7		
			33.50	34.90	1.40			39-18					0.001			
			34.90	35.40	0.50			39-19			0.221					5.8
			35.40	36.40	1.00			39-20					0.001			
			36.40	37.40	1.00			39-21						3		
			38.40	38.90	0.50			39-24						370		
			40.40	40.90	0.50			39-22						13		
			44.50	45.00	0.50			39-23						67		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND90-40 | PAGE: 1 OF 3

AREA: Siwash North Zone | DIP: -65.50 | AZIMUTH (t): 0.0 | DEPTH: 58.52

CLAIM: ELK 21 | NORTHING: 3398.44 | DATE STARTED: AUG 11, 1990

SECTION: 2490E | EASTING: 2490.95 | DATE FINISHED: AUG 12, 1990

CORE SIZE: HQ | ELEVATION: 1641.68 | CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 93.38% RQD: 48.59% | CORE STORED AT: ELK RACK "A" BAY 13 | LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-40 was drilled to test the down dip continuity of mineralization encountered in hole SND90-39 and trench SN90-4. A broad zone of phyllic-sericitic alteration with narrow quartz veins was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-65.50	0.0	.00	2.44	2.44		CS									
26.22	-66.00	0.0	2.44	11.70	9.26		P1QM									
			11.70	14.70	3.00		P2QM									
			14.70	15.31	0.61		MI									
			15.31	15.46	0.15		P2QM									
			15.46	20.51	5.05		P1QM									
			20.51	30.46	9.95		P2QM									
			30.46	30.71	0.25		F3QM									
			30.71	31.54	0.83		P2QM									
			31.54	32.63	1.09		P2QM									
			32.63	36.52	3.89		P2QM									
			36.52	36.88	0.36		F3QM									
			36.88	37.28	0.40		S2QM									
			37.28	39.45	2.17		A2QM									
			39.45	39.70	0.25		S4QM									
			39.70	39.98	0.28		P2QM									
			39.98	40.28	0.30		F4QM									
			40.28	40.92	0.64		P1QM									
			40.92	41.18	0.26		F4QM									
			41.18	42.10	0.92		P1QM									
			42.10	42.55	0.45		F2QM									
			42.55	43.61	1.06		P1QM									
			43.61	44.20	0.59		F4QM									
			44.20	45.49	1.29		P1QM									
			45.49	48.34	2.85		S1QM									
			48.34	49.04	0.70		F4QM									
			49.04	49.49	0.45		S1QM									
			49.49	54.99	5.50		P1QM									
			54.99	55.23	0.24		S3QM									
			55.23	56.69	1.46		K1QM									
			56.69	58.52	1.83		P1QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-40 PAGE 2 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			28.30	29.30	1.00			40-1						3		
			29.30	30.30	1.00			40-2					0.001			
			30.30	30.80	0.50			40-3			0.018					1.3
			30.80	31.50	0.70			40-4					0.001			
			31.50	32.65	1.15			40-5			0.042					4.0
			32.65	33.85	1.20			40-6					0.001			
			33.85	35.15	1.30			40-7						1		
			35.15	36.45	1.30			40-8					0.001			
			36.45	36.95	0.50			40-9			0.520					25.8
			36.95	38.20	1.25			40-10					0.004			
			38.20	38.70	0.50			40-11			0.012					1.1
			38.70	39.30	0.60			40-12					0.001			
			39.30	39.80	0.50			40-13			0.015					1.6
			39.80	40.30	0.50			40-14			0.010					2.0
			40.30	40.80	0.50			40-15					0.001			
			40.80	41.30	0.50			40-16			0.036					2.7
			41.30	42.10	0.80			40-17					0.001			
			42.10	42.60	0.50			40-18			0.012					1.4
			42.60	43.60	1.00			40-19					0.001			
			43.60	44.20	0.60			40-20			0.117					7.2
			44.20	45.40	1.20			40-21					0.001			
			45.40	46.60	1.20			40-22					0.001			
			46.60	47.10	0.50			40-23			0.095					9.4
			47.10	48.30	1.20			40-24			0.112		0.001			
			48.30	49.10	0.80			40-25								4.0
			49.10	50.00	0.90			40-26					0.003			
			50.00	51.00	1.00			40-27						13		
			52.80	53.80	1.00			40-28						4		
			53.80	54.80	1.00			40-29					0.001			
			54.80	55.30	0.50			40-30			0.008					1.1
			55.30	56.30	1.00			40-31					0.001			
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-40 PAGE 3 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			56.30	57.50	1.20			40-32						4		
			57.50	58.00	0.50			40-33						1570		

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-41 — PAGE: 1 OF: 3

AREA: Siwash North Zone — DIP: -75.00 — AZIMUTH (t): 0.0 — DEPTH: 66.14

CLAIM: ELK 21 — NORTHING: 3353.31 — DATE STARTED: AUG 12, 1990

SECTION: 2490E — EASTING: 2490.37 — DATE FINISHED: AUG 14, 1990

CORE SIZE: HQ — ELEVATION: 1637.22 — CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 95.44% RQD: 53.62% CORE STORED AT: ELK RACK "A" BAY 13 — LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-41 was drilled to test the down dip continuity of mineralization encountered in holes SND90-39 and SND90-40. A broad zone of phyllic-sericitic alteration with narrow quartz veins, and a 10cm quartz vein, was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-75.00	0.0	.00	3.66	3.66		CS									
32.31	-74.00	0.0	3.66	7.80	4.14		QM									
			7.80	15.82	8.02		P1QM									
			15.82	16.27	0.45		S1QM									
			16.27	26.94	10.67		P1QM									
			26.94	27.28	0.34		S1QM									
			27.28	33.70	6.42		P2QM									
			33.70	34.41	0.71		F1QM									
			34.41	38.10	3.69		P2QM									
			38.10	38.69	0.59		F1QM									
			38.69	40.40	1.71		P2QM									
			40.40	40.80	0.40		A4QM									
			40.80	43.31	2.51		P2QM									
			43.31	43.61	0.30		F3QM									
			43.61	44.18	0.57		P2QM									
			44.18	44.46	0.28		F4QM									
			44.46	47.82	3.36		P2QM									
			47.82	48.76	0.94		F3QM									
			48.76	51.91	3.15		P2QM									
			51.91	52.13	0.22		GG									
			52.13	57.90	5.77		P2QM									
			57.90	58.14	0.24		QV									
			58.14	66.14	8.00		P2QM									
			13.80	14.80	1.00			41-1						2		
			14.80	15.80	1.00			41-2					0.001			
			15.80	16.30	0.50			41-3			0.057					
			16.30	17.30	1.00			41-4					0.020			
			17.30	18.30	1.00			41-5						13		
			31.70	32.70	1.00			41-6						7		
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-41 PAGE 2 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			32.70	33.70	1.00			41-7					0.001			
			33.70	34.40	0.70			41-8			0.002					
			34.40	35.40	1.00			41-9					0.002			
			35.40	36.25	0.85			41-10						4		
			36.25	37.10	0.85			41-11						87		
			37.10	38.10	1.00			41-12					0.001			
			38.10	38.70	0.60			41-13			0.004					
			38.70	39.70	1.00			41-14					0.001			
			39.70	40.80	1.10			41-15						44		
			40.80	42.00	1.20			41-16						5		
			42.00	43.15	1.15			41-17					0.001			
			43.15	43.65	0.50			41-18			0.005					
			43.65	44.15	0.50			41-19					0.001			
			44.15	44.65	0.50			41-20			0.130					
			44.65	45.65	1.00			41-21					0.001			
			45.65	46.80	1.15			41-22						2		
			46.80	47.80	1.00			41-23					0.001			
			47.80	48.80	1.00			41-24			0.114					
			48.80	49.80	1.00			41-25					0.001			
			49.80	50.80	1.00			41-26						5		
			50.80	51.80	1.00			41-27						4		
			51.80	52.30	0.50			41-28						106		
			55.75	56.75	1.00			41-29						17		
			56.75	57.75	1.00			41-30					0.001			
			57.75	58.25	0.50			41-31			0.031					
			58.25	59.25	1.00			41-32					0.001			
			59.25	60.25	1.00			41-33						11		
			65.50	66.00	0.50			41-34						84		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-42 PAGE 1 OF 2

AREA: Siwash North Zone DIP: -46.00 AZIMUTH (t): 0.0 DEPTH: 50.29

CLAIM: ELK 21 NORTHING: 3481.86 DATE STARTED: AUG 15, 1990

SECTION: 2540E EASTING: 2541.92 DATE FINISHED: AUG 16, 1990

CORE SIZE: HQ ELEVATION: 1646.98 CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 95.07% RQD: 56.97% CORE STORED AT: ELK RACK "A" BAY 14 LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-42 was drilled to test the down dip continuity of mineralization encountered in holes SND90-39, -40, and -41. Three broad zones of phyllic-sericitic alteration with narrow quartz veins were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-46.00	0.0	.00	3.05	3.05		OB									
21.31	-47.00	0.0	3.05	9.50	6.45		QM									
			9.50	14.13	4.63		P1QM									
			14.13	15.00	0.87		A1QM									
			15.00	15.61	0.61		S2QM									
			15.61	17.27	1.66		F3QM									
			17.27	27.74	10.47		P2QM									
			27.74	28.00	0.26		P4AD									
			28.00	28.99	0.99		P2QM									
			28.99	29.24	0.25		K1QM									
			29.24	29.69	0.45		P2QM									
			29.69	30.00	0.31		F4QM									
			30.00	33.84	3.84		P2QM									
			33.84	34.25	0.41		F3QM									
			34.25	36.82	2.57		P2QM									
			36.82	37.67	0.85		S4QM									
			37.67	39.15	1.48		K1QM									
			39.15	44.07	4.92		P2QM									
			44.07	44.35	0.28		F4QM									
			44.35	46.12	1.77		P2QM									
			46.12	48.39	2.27		QM									
			48.39	50.29	1.90		P1QM									
			13.60	14.60	1.00			42-1						25		
			14.60	15.60	1.00			42-2					0.001			
			15.60	16.45	0.85			42-3			0.062					
			16.45	17.30	0.85			42-4			0.005					
			17.30	18.30	1.00			42-5					0.001			
			18.30	19.30	1.00			42-6						3		
			27.60	28.60	1.00			42-7						7		
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-42 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			28.60	29.50	0.90			42-8					0.001			
			29.50	30.00	0.50			42-9			0.287					
			30.00	31.40	1.40			42-10					0.001			
			31.40	32.70	1.30			42-11					0.001			
			32.70	33.20	0.50			42-12			0.009					
			33.20	33.80	0.60			42-13					0.001			
			33.80	34.30	0.50			42-14			0.135					
			34.30	35.55	1.25			42-15					0.001			
			35.55	36.80	1.25			42-16					0.001			
			36.80	37.70	0.90			42-17			0.021					
			37.70	38.70	1.00			42-18					0.001			
			38.70	39.70	1.00			42-19						1		
			42.00	43.00	1.00			42-20						3		
			43.00	44.00	1.00			42-21					0.001			
			44.00	44.50	0.50			42-22			0.032					
			44.50	45.50	1.00			42-23					0.001			
			45.50	46.50	1.00			42-24						3		

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-34 — PAGE: 1 OF: 2

AREA: Siwash North Zone — DIP: -60.00 — AZIMUTH (t): 0.0 — DEPTH: 70.71

CLAIM: ELK 21 — NORTHING: 3316.62 — DATE STARTED: JULY 31, 1990

SECTION: 2405E — EASTING: 2403.04 — DATE FINISHED: AUG 2, 1990

CORE SIZE: HQ — ELEVATION: 1632.60 — CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 93.84% RQD: 67.86% CORE STORED AT: ELK RACK "A" BAY 12 — LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-34 was drilled to test the down dip continuity of mineralization encountered in holes SND89-8, -9, and -10, and in trench SN89-7. Two zones of phyllic alteration, 0.75m and 1.10m thick, with narrow quartz veins, were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-60.00	0.0	.00	3.66	3.66		CS									
35.36	-60.00	0.0	3.66	4.52	0.86		A2QM									
			4.52	5.42	0.90		A1QM									
			5.42	6.79	1.37		P2QM									
			6.79	7.83	1.04		S2QM									
			7.83	8.43	0.60		P2QM									
			8.43	8.90	0.47		S1QM									
			8.90	11.30	2.40		P2QM									
			11.30	18.21	6.91		P1QM									
			18.21	19.87	1.66		S1QM									
			19.87	27.02	7.15		P1QM									
			27.02	27.44	0.42		AP									
			27.44	34.61	7.17		P1QM									
			34.61	39.16	4.55		K1QM									
			39.16	40.08	0.92		P1QM									
			40.08	41.76	1.68		K1QM									
			41.76	43.43	1.67		A1QM									
			43.43	45.58	2.15		S1QM									
			45.58	46.25	0.67		P4QM									
			46.25	50.18	3.93		S2QM									
			50.18	51.29	1.11		P3QM									
			51.29	52.47	1.18		S2QM									
			52.47	63.00	10.53		P2QM									
			63.00	66.50	3.50		P1QM									
			66.50	70.71	4.21		QM									
			26.10	26.60	0.50			34-1						10		
			29.20	29.70	0.50			34-2						5		
			43.55	44.55	1.00			34-3						8		
			44.55	45.55	1.00			34-4					0.001			
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-34 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			45.55	46.25	0.70			34-5			0.105					4.9
			46.25	46.80	0.55			34-6					0.001			
			46.80	47.30	0.50			34-7			0.004					0.9
			47.30	48.20	0.90			34-8					0.001			
			48.20	49.15	0.95			34-9						7		
			49.15	50.15	1.00			34-10					0.001			
			50.15	50.65	0.50			34-11			0.038					3.4
			50.65	51.30	0.65			34-12			0.078					7.0
			51.30	52.30	1.00			34-13					0.001			
			52.30	53.30	1.00			34-14						6		
			55.25	55.75	0.50			34-15						1		
			61.75	62.25	0.50			34-16						220		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND90-42 | PAGE: 1 OF: 2

AREA: Siwash North Zone | DIP: -46.00 | AZIMUTH (t): 0.0 | DEPTH: 50.29

CLAIM: ELK 21 | NORTHING: 3481.86 | DATE STARTED: AUG 15, 1990

SECTION: 2540E | EASTING: 2541.92 | DATE FINISHED: AUG 16, 1990

CORE SIZE: HQ | ELEVATION: 1646.98 | CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 95.07% RQD: 56.97% | CORE STORED AT: ELK RACK "A" BAY 14 | LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-42 was drilled to test the down dip continuity of mineralization encountered in holes SND90-39, -40, and -41. Three broad zones of phyllic-sericitic alteration with narrow quartz veins were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-46.00	0.0	.00	3.05	3.05		OB									
21.31	-47.00	0.0	3.05	9.50	6.45		QM									
			9.50	14.13	4.63		P1QM									
			14.13	15.00	0.87		A1QM									
			15.00	15.61	0.61		S2QM									
			15.61	17.27	1.66		F3QM									
			17.27	27.74	10.47		P2QM									
			27.74	28.00	0.26		P4AD									
			28.00	28.99	0.99		P2QM									
			28.99	29.24	0.25		K1QM									
			29.24	29.69	0.45		P2QM									
			29.69	30.00	0.31		P4QM									
			30.00	33.84	3.84		P2QM									
			33.84	34.25	0.41		P3QM									
			34.25	36.82	2.57		P2QM									
			36.82	37.67	0.85		S4QM									
			37.67	39.15	1.48		K1QM									
			39.15	44.07	4.92		P2QM									
			44.07	44.35	0.28		F4QM									
			44.35	46.12	1.77		P2QM									
			46.12	48.39	2.27		QM									
			48.39	50.29	1.90		P1QM									
			13.60	14.60	1.00			42-1						25		
			14.60	15.60	1.00			42-2					0.001			
			15.60	16.45	0.85			42-3			0.062					
			16.45	17.30	0.85			42-4			0.005					
			17.30	18.30	1.00			42-5					0.001			
			18.30	19.30	1.00			42-6						3		
			27.60	28.60	1.00			42-7						7		
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-42 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			28.60	29.50	0.90			42-8					0.001			
			29.50	30.00	0.50			42-9			0.287					
			30.00	31.40	1.40			42-10					0.001			
			31.40	32.70	1.30			42-11					0.001			
			32.70	33.20	0.50			42-12			0.009					
			33.20	33.80	0.60			42-13					0.001			
			33.80	34.30	0.50			42-14			0.135					
			34.30	35.55	1.25			42-15					0.001			
			35.55	36.80	1.25			42-16					0.001			
			36.80	37.70	0.90			42-17			0.021					
			37.70	38.70	1.00			42-18					0.001			
			38.70	39.70	1.00			42-19						1		
			42.00	43.00	1.00			42-20						3		
			43.00	44.00	1.00			42-21					0.001			
			44.00	44.50	0.50			42-22			0.032					
			44.50	45.50	1.00			42-23					0.001			
			45.50	46.50	1.00			42-24						3		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND90-43 | PAGE: 1 OF 3

AREA: Siwash North Zone | DIP: -80.00 | AZIMUTH (t): 0.0 | DEPTH: 53.95

CLAIM: ELK 21 | NORTHING: 3464.29 | DATE STARTED: AUG 17, 1990

SECTION: 2540E | EASTING: 2540.13 | DATE FINISHED: AUG 19, 1990

CORE SIZE: HQ | ELEVATION: 1647.95 | CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 90.3% RQD: 49.3% CORE STORED AT: ELK RACK "A" BAY 14 | LOGGED BY: WOJTEK JAKUBOWSKI

COMMENTS: Hole SND90-43 was drilled to test the down dip continuity of mineralization encountered in hole SND90-42. A broad zone of phyllic-sericitic alteration with narrow quartz veins, and a 10cm quartz vein, was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-80.00	0.0	.00	2.74	2.74		CS									
26.22	-80.00	0.0	2.74	3.66	0.92		OB									
			3.66	6.17	2.51		S4QM									
			6.17	6.37	0.20		F3QM									
			6.37	8.23	1.86		P3QM									
			8.23	9.39	1.16		S4QM									
			9.39	9.72	0.33		P3QM									
			9.72	11.00	1.28		S3QM									
			11.00	15.03	4.03		P3QM									
			15.03	20.61	5.58		S3QM									
			20.61	21.18	0.57		S4QM									
			21.18	21.31	0.13		X5QM									
			21.31	22.20	0.89		S4QM									
			22.20	24.00	1.80		F4QM									
			24.00	24.05	0.05		QV									
			24.05	24.94	0.89		F4QM									
			24.94	25.60	0.66		S5GG									
			25.60	25.90	0.30		S3QM									
			25.90	26.94	1.04		S5GG									
			26.94	27.56	0.62		S3QM									
			27.56	27.83	0.27		F3QM									
			27.83	29.00	1.17		S2QM									
			29.00	30.05	1.05		P2QM									
			30.05	31.15	1.10		F2QM									
			31.15	31.40	0.25		P3QM									
			31.40	32.13	0.73		F3QM									
			32.13	33.31	1.18		S2QM									
			33.31	33.78	0.47		P2QM									
			33.78	33.87	0.09		F3QM									
			33.87	34.22	0.35		P1QM									
			34.22	35.31	1.09		S2QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-43 PAGE 2 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			35.31	35.57	0.26		F3QM									
			35.57	37.10	1.53		S1QM									
			37.10	38.05	0.95		S3QM									
			38.05	38.20	0.15		F3QM									
			38.20	45.51	7.31		S3QM									
			45.51	46.10	0.59		F5QM									
			46.10	49.32	3.22		S3QM									
			49.32	49.77	0.45		F3QM									
			49.77	50.10	0.33		P2QM									
			50.10	50.89	0.79		F2QM									
			50.89	51.22	0.33		P3QM									
			51.22	51.33	0.11		F2QM									
			51.33	51.70	0.37		P3QM									
			51.70	51.80	0.10		F3QM									
			51.80	53.62	1.82		S2QM									
			53.62	53.76	0.14		F2QM									
			53.76	53.95	0.19		S2QM									
			6.00	6.50	0.50			43-1						167		
			20.00	21.00	1.00			43-2					0.001			
			21.00	21.50	0.50			43-3			0.010					
			21.50	22.20	0.70			43-4					0.002			
			22.20	23.04	0.84			43-5			0.065					
			23.04	23.50	0.46			43-6					0.001			
			23.50	24.80	1.30			43-7			0.023					
			24.80	25.80	1.00			43-8					0.001			
			27.50	28.00	0.50			43-9						12		
			30.50	31.53	1.03			43-10						57		
			31.53	32.13	0.60			43-11					0.060			
			32.13	33.60	1.47			43-12						8		
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-43 PAGE 3 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			33.60	34.10	0.50			43-13						6		
			35.60	36.10	0.50			43-14						35		
			36.90	37.90	1.00			43-15					0.001			
			37.90	38.40	0.50			43-16			0.278					
			38.40	39.40	1.00			43-17					0.001			
			44.51	45.51	1.00			43-18					0.001			
			45.51	46.10	0.59			43-19			0.101					
			46.10	47.10	1.00			43-20					0.001			
			49.30	49.80	0.50			43-21						10		
			49.80	50.50	0.70			43-22						37		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND90-44 | PAGE: 1 OF: 3

AREA: Siwash North Zone | DIP: -85.00 | AZIMUTH (t): 0.0 | DEPTH: 73.76

CLAIM: ELK 21 | NORTHING: 3416.04 | DATE STARTED: AUG 19, 1990

SECTION: 2540E | EASTING: 2540.38 | DATE FINISHED: AUG 21, 1990

CORE SIZE: HQ | ELEVATION: 1648.27 | CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 92.60% RQD: 54.49% | CORE STORED AT: ELK RACK "A" BAY 14 | LOGGED BY: WJ, PWC

COMMENTS: Hole SND90-44 was drilled to test the down dip continuity of mineralization encountered in holes SND90-42 and -43. A broad zone of phyllic-sericitic alteration including a 16cm and a 10cm (with 50% pyrite) quartz vein, was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-85.00	0.0	.00	1.22	1.22		CS									
36.88	-86.00	0.0	1.22	1.90	0.68		OB									
			1.90	13.83	11.93		S2QM									
			13.83	16.74	2.91		S3QM									
			16.74	18.17	1.43		K2QM									
			18.17	18.31	0.14		S3QM									
			18.31	18.50	0.19		K2QM									
			18.50	19.70	1.20		P3QM									
			19.70	19.93	0.23		S3QM									
			19.93	20.82	0.89		P3QM									
			20.82	21.08	0.26		K2QM									
			21.08	21.43	0.35		S3QM									
			21.43	23.10	1.67		K3QM									
			23.10	23.85	0.75		P3QM									
			23.85	24.25	0.40		K3QM									
			24.25	25.56	1.31		P3QM									
			25.56	26.28	0.72		K2QM									
			26.28	27.28	1.00		P3QM									
			27.28	30.20	2.92		S3QM									
			30.20	30.71	0.51		P3QM									
			30.71	31.05	0.34		S2QM									
			31.05	33.10	2.05		P3QM									
			33.10	34.00	0.90		S2QM									
			34.00	34.46	0.46		P3QM									
			34.46	35.08	0.62		S4QM									
			35.08	35.30	0.22		P4GG									
			35.30	37.04	1.74		P4QM									
			37.04	37.37	0.33		PKQM									
			37.37	39.75	2.38		P4QM									
			39.75	39.99	0.24		P3QM									
			39.99	42.09	2.10		P3QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-44 PAGE 2 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			42.09	43.00	0.91		K2QM									
			43.00	43.23	0.23		GG									
			43.23	46.35	3.12		P3QM									
			46.35	46.65	0.30		K2QM									
			46.65	48.68	2.03		P3QM									
			48.68	49.08	0.40		F4QM									
			49.08	50.64	1.56		P3QM									
			50.64	52.52	1.88		P2QM									
			52.52	59.75	7.23		P3QM									
			59.75	60.12	0.37		FKQM									
			60.12	61.06	0.94		F4QM									
			61.06	63.13	2.07		P3QM									
			63.13	64.45	1.32		P2QM									
			64.45	65.25	0.80		S2QM									
			65.25	65.76	0.51		P3QM									
			65.76	65.98	0.22		F4QM									
			65.98	66.57	0.59		P3QM									
			66.57	67.79	1.22		P1QM									
			67.79	68.02	0.23		S2QM									
			68.02	73.76	5.74		QM									
			34.90	35.40	0.50			44-1						136		
			35.40	36.00	0.60			44-2						30		
			36.00	37.00	1.00			44-3					0.001			
			37.00	37.50	0.50			44-4			0.041					1.4
			37.50	38.00	0.50			44-5					0.001			
			38.00	38.50	0.50			44-6			0.018					1.8
			38.50	39.50	1.00			44-7					0.001			
			39.50	40.00	0.50			44-8			0.022					1.5
			40.00	41.40	1.40			44-9					0.001			
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK D.D.H.: SND90-44 PAGE: 3 OF: 3

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			41.40	42.80	1.40			44-10					0.002			
			42.80	43.30	0.50			44-11			0.033					2.2
			43.30	44.30	1.00			44-12					0.001			
			44.30	45.30	1.00			44-13						4		
			46.60	47.60	1.00			44-14						2		
			47.60	48.60	1.00			44-15					0.001			
			48.60	49.10	0.50			44-16			1.291					64.2
			49.10	50.10	1.00			44-17					0.001			
			50.10	51.10	1.00			44-18						2		
			58.10	59.10	1.00			44-19						2		
			59.10	60.10	1.00			44-20					0.001			
			60.10	60.60	0.50			44-21			0.033					10.1
			60.60	61.10	0.50			44-22			1.050					91.0
			61.10	62.10	1.00			44-23					0.001			
			62.10	63.25	1.15			44-24						2		
			63.25	64.40	1.15			44-25						1		
			64.40	65.60	1.20			44-26					0.001			
			65.60	66.10	0.50			44-27			0.015					1.6
			66.10	67.10	1.00			44-28					0.001			
			67.10	68.10	1.00			44-29						8		
			71.40	71.90	0.50			44-30						10		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND90-45 | PAGE: 1 OF: 3

AREA: Siwash North Zone | DIP: -80.00 | AZIMUTH (t): 0.0 | DEPTH: 90.53

CLAIM: ELK 21 | NORTHING: 3364.85 | DATE STARTED: AUG 22, 1990

SECTION: 2540E | EASTING: 2541.32 | DATE FINISHED: AUG 24, 1990

CORE SIZE: HQ | ELEVATION: 1647.45 | CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 95.30% RQD: 73.86% CORE STORED AT: ELK RACK "A" BAY 15 | LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-45 was drilled to test the down dip continuity of mineralization encountered in holes SND90-42, -43, and -44. A 14m diffuse zone of phyllic alteration, including an 11cm quartz vein, was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		PA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-80.00	0.0	.00	1.52	1.52		CS									
36.88	-80.00	0.0	1.52	4.70	3.18		A1QM									
			4.70	13.91	9.21		QM									
			13.91	17.18	3.27		P1QM									
			17.18	18.38	1.20		QM									
			18.38	20.42	2.04		P1QM									
			20.42	23.47	3.05		P3QM									
			23.47	27.03	3.56		P2QM									
			27.03	28.59	1.56		P1QM									
			28.59	28.81	0.22		S2QM									
			28.81	30.63	1.82		QM									
			30.63	32.98	2.35		P1QM									
			32.98	33.47	0.49		F1QM									
			33.47	36.96	3.49		P1QM									
			36.96	46.60	9.64		P2QM									
			46.60	47.63	1.03		P1QM									
			47.63	48.76	1.13		P3QM									
			48.76	50.27	1.51		K1QM									
			50.27	51.82	1.55		P2QM									
			51.82	52.20	0.38		S1QM									
			52.20	52.51	0.31		P2QM									
			52.51	57.76	5.25		P1QM									
			57.76	59.35	1.59		P2QM									
			59.35	61.18	1.83		P3QM									
			61.18	61.49	0.31		K1QM									
			61.49	64.38	2.89		P3QM									
			64.38	64.60	0.22		F4QM									
			64.60	64.81	0.21		GG									
			64.81	66.12	1.31		P3QM									
			66.12	66.34	0.22		P2QM									
			66.34	66.77	0.43		P3QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-45 PAGE 2 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			66.77	67.15	0.38		F4QM									
			67.15	68.25	1.10		P3QM									
			68.25	68.69	0.44		FKQM									
			68.69	70.01	1.32		P3QM									
			70.01	70.76	0.75		A3QM									
			70.76	71.03	0.27		GG									
			71.03	71.26	0.23		A2QM									
			71.26	71.84	0.58		P3QM									
			71.84	72.20	0.36		F4QM									
			72.20	72.52	0.32		P3QM									
			72.52	72.72	0.20		F3QM									
			72.72	73.94	1.22		P3QM									
			73.94	74.40	0.46		S3QM									
			74.40	75.24	0.84		P3QM									
			75.24	75.91	0.67		K2QM									
			75.91	76.15	0.24		FKQM									
			76.15	76.42	0.27		K1QM									
			76.42	76.80	0.38		F4QM									
			76.80	77.57	0.77		S3QM									
			77.57	77.84	0.27		F2QM									
			77.84	78.44	0.60		F4QM									
			78.44	78.98	0.54		K1QM									
			78.98	79.38	0.40		P3QM									
			79.38	80.11	0.73		K2QM									
			80.11	80.74	0.63		P3QM									
			80.74	80.96	0.22		GG									
			80.96	81.24	0.28		K3QM									
			81.24	83.43	2.19		P3QM									
			83.43	83.90	0.47		FKQM									
			83.90	85.70	1.80		P3QM									
			85.70	90.53	4.83		P1QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-45 PAGE 3 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		PA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			32.90	33.50	0.60			45-1						91		
			51.80	52.30	0.50			45-2						240		
			62.20	63.20	1.00			45-3						7		
			63.20	64.20	1.00			45-4					0.001			
			64.20	64.70	0.50			45-5			0.288					10.5
			64.70	65.70	1.00			45-6					0.004			
			65.70	66.70	1.00			45-7					0.001			
			66.70	67.20	0.50			45-8			0.006					3.1
			67.20	68.20	1.00			45-9					0.001			
			68.20	68.70	0.50			45-10						93		
			68.70	69.70	1.00			45-11						3		
			69.70	70.70	1.00			45-12						5		
			70.70	71.80	1.10			45-13					0.001			
			71.80	72.30	0.50			45-14			0.004					3.1
			72.30	72.80	0.50			45-15			0.029					15.3
			72.80	73.90	1.10			45-16					0.001			
			73.90	74.40	0.50			45-17					0.003			
			74.40	75.40	1.00			45-18						2		
			75.40	76.40	1.00			45-19					0.001			
			76.40	76.90	0.50			45-20			0.290					20.7
			76.90	77.55	0.65			45-21					0.002			
			77.55	78.45	0.90			45-22			0.041					14.2
			78.45	79.45	1.00			45-23					0.001			
			79.45	80.45	1.00			45-24						1		
			83.40	83.90	0.50			45-25						57		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK D.D.H.: SND90-46 PAGE: 1 OF: 2

AREA: Siwash North Zone DIP: -45.00 AZIMUTH (t): 0.0 DEPTH: 73.76

CLAIM: ELK 21 NORTHING: 3565.92 DATE STARTED: AUG 24, 1990

SECTION: 2590E EASTING: 2588.40 DATE FINISHED: AUG 26, 1990

CORE SIZE: HQ ELEVATION: 1638.99 CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 95.28% RQD: 49.44% CORE STORED AT: ELK RACK "A" BAY 15 LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-46 was drilled to test a structure encountered in trench SN88-4. A pyritic shear, and a narrow band of phyllic alteration including a 10cm quartz vein was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-45.00	0.0	.00	2.74	2.74		CS									
36.88	-46.50	0.0	2.74	10.35	7.61		P1QM									
			10.35	10.70	0.35		S3QM									
			10.70	10.94	0.24		P2QM									
			10.94	11.26	0.32		S1QM									
			11.26	12.36	1.10		P1QM									
			12.36	13.29	0.93		S3QM									
			13.29	23.33	10.04		P2QM									
			23.33	24.85	1.52		S1QM									
			24.85	27.12	2.27		P2QM									
			27.12	34.27	7.15		P1QM									
			34.27	40.18	5.91		P2QM									
			40.18	49.46	9.28		P3QM									
			49.46	51.86	2.40		K1QM									
			51.86	56.30	4.44		P3QM									
			56.30	57.92	1.62		A3QM									
			57.92	58.18	0.26		GG									
			58.18	58.72	0.54		A2QM									
			58.72	60.89	2.17		P2QM									
			60.89	61.19	0.30		F5QM									
			61.19	62.41	1.22		S1QM									
			62.41	63.39	0.98		P2QM									
			63.39	71.90	8.51		P1QM									
			71.90	73.76	1.86		P2QM									
			7.60	8.60	1.00			46-1						7		
			8.60	9.60	1.00			46-2					0.001			
			9.60	10.10	0.50			46-3			0.139					7.4
			10.10	11.10	1.00			46-4					0.013			
			11.10	12.10	1.00			46-5						240		
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-46 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			13.00	13.50	0.50			46-6						4380		
			55.80	56.80	1.00			46-7						16		
			56.80	57.80	1.00			46-8					0.001			
			57.80	58.30	0.50			46-9			0.020					3.3
			58.30	59.50	1.20			46-10					0.001			
			59.50	60.75	1.25			46-11					0.001			
			60.75	61.25	0.50			46-12			0.369					22.6
			61.25	62.25	1.00			46-13					0.001			
			62.25	63.25	1.00			46-14						8		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND90-47 | PAGE: 1 OF 2

AREA: Siwash North Zone | DIP: -50.00 | AZIMUTH (t): 0.0 | DEPTH: 53.95

CLAIM: ELK 21 | NORTHING: 3490.56 | DATE STARTED: AUG 27, 1990

SECTION: 2590E | EASTING: 2590.27 | DATE FINISHED: AUG 28, 1990

CORE SIZE: HQ | ELEVATION: 1647.99 | CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 97.61% RQD: 58.22% CORE STORED AT: ELK RACK "A" BAY 15 | LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-47 was drilled to test mineralization encountered in trench SN88-4. A few narrow zones of phyllic alteration containing 1cm to 2cm quartz veins were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	PA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-50.00	0.0	.00	1.22	1.22		OB									
26.22	-52.00	0.0	1.22	7.22	6.00		QM									
			7.22	9.31	2.09		P3QM									
			9.31	10.06	0.75		A3QM									
			10.06	12.98	2.92		P3QM									
			12.98	14.55	1.57		P2QM									
			14.55	14.80	0.25		S2QM									
			14.80	15.82	1.02		P2QM									
			15.82	16.05	0.23		P2QM									
			16.05	17.33	1.28		P2QM									
			17.33	18.20	0.87		S3QM									
			18.20	18.65	0.45		P2QM									
			18.65	19.19	0.54		S2QM									
			19.19	19.99	0.80		P2QM									
			19.99	20.46	0.47		S2QM									
			20.46	21.06	0.60		P2QM									
			21.06	21.34	0.28		S1QM									
			21.34	21.72	0.38		P4QM									
			21.72	22.50	0.78		P3QM									
			22.50	23.52	1.02		A3QM									
			23.52	25.62	2.10		P2QM									
			25.62	25.86	0.24		P3QM									
			25.86	26.27	0.41		P5AD									
			26.27	29.98	3.71		P2QM									
			29.98	30.37	0.39		GG									
			30.37	40.55	10.18		P2QM									
			40.55	40.99	0.44		S3QM									
			40.99	44.87	3.88		P2QM									
			44.87	45.64	0.77		S2QM									
			45.64	48.38	2.74		P2QM									
			48.38	48.92	0.54		P2QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-47 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			48.92	53.95	5.03		P2QM									
			14.50	15.70	1.20			47-1					0.001			
			15.70	16.20	0.50			47-2			0.086					0.8
			16.20	17.30	1.10			47-3					0.001			
			17.30	18.20	0.90			47-4						115		
			18.20	19.20	1.00			47-5						42		
			24.50	25.50	1.00			47-6					0.001			
			25.50	26.00	0.50			47-7			0.150					12.6
			26.00	27.00	1.00			47-8					0.001			
			31.90	32.90	1.00			47-9					0.001			
			32.90	33.40	0.50			47-10			0.177					4.3
			33.40	34.40	1.00			47-11					0.001			
			36.80	37.30	0.50			47-12						38		
			39.50	40.50	1.00			47-13					0.001			
			40.50	41.00	0.50			47-14			0.985					26.9
			41.00	42.00	1.00			47-15					0.001			
			44.15	45.15	1.00			47-16					0.001			
			45.15	45.65	0.50			47-17			0.171					7.7
			45.65	46.65	1.00			47-18					0.001			
			48.35	48.95	0.60			47-19						1580		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK D.D.H.: SND90-48 PAGE: 1 OF: 3

AREA: Siwash North Zone DIP: -75.00 AZIMUTH (t): 0.0 DEPTH: 87.48

CLAIM: ELK 21 NORTHING: 3453.55 DATE STARTED: AUG 28, 1990

SECTION: 2590E EASTING: 2590.02 DATE FINISHED: AUG 31, 1990

CORE SIZE: HQ ELEVATION: 1650.34 CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 94.56% RQD: 68.33% CORE STORED AT: ELK RACK "A" BAY 16 LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-48 was drilled to test the grade and continuity of mineralization encountered in hole SND90-47. Diffuse sericitic-phyllic-K-spar stable phyllic alteration zones with minor quartz veining was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	PA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-75.00	0.0	.00	.61	0.61		OB									
38.40	-74.50	0.0	.61	3.08	2.47		P3QM									
			3.08	3.35	0.27		GG									
			3.35	9.49	6.14		P2QM									
			9.49	9.84	0.35		P4QM									
			9.84	12.92	3.08		P2QM									
			12.92	13.13	0.21		S1QM									
			13.13	13.79	0.66		P2QM									
			13.79	14.17	0.38		S1QM									
			14.17	15.27	1.10		P2QM									
			15.27	15.64	0.37		S2QM									
			15.64	31.94	16.30		P2QM									
			31.94	32.97	1.03		K1QM									
			32.97	33.48	0.51		P2QM									
			33.48	33.78	0.30		S1QM									
			33.78	35.30	1.52		P2QM									
			35.30	35.54	0.24		S1QM									
			35.54	42.69	7.15		P2QM									
			42.69	43.28	0.59		GG									
			43.28	43.59	0.31		P2QM									
			43.59	44.10	0.51		S3QM									
			44.10	46.24	2.14		P2QM									
			46.24	46.50	0.26		F3QM									
			46.50	47.52	1.02		S2QM									
			47.52	59.14	11.62		P2QM									
			59.14	61.53	2.39		P1QM									
			61.53	63.35	1.82		P2QM									
			63.35	66.24	2.89		P1QM									
			66.24	67.09	0.85		S3QM									
			67.09	67.67	0.58		P1QM									
			67.67	68.39	0.72		S1QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-48 PAGE 2 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			68.39	71.55	3.16		P2QM									
			71.55	72.14	0.59		S3QM									
			72.14	72.63	0.49		P2QM									
			72.63	72.91	0.28		FKQM									
			72.91	73.60	0.69		P2QM									
			73.60	73.98	0.38		FKQM									
			73.98	76.98	3.00		P2QM									
			76.98	78.24	1.26		K2QM									
			78.24	78.45	0.21		P4AD									
			78.45	78.97	0.52		P3QM									
			78.97	80.08	1.11		P4AD									
			80.08	83.26	3.18		P2QM									
			83.26	83.52	0.26		FKQM									
			83.52	87.48	3.96		P2QM									
			25.15	25.65	0.50			48-1						49		
			33.80	34.30	0.50			48-2						4		
			40.70	41.70	1.00			48-3					0.001			
			41.70	42.20	0.50			48-4			0.011					0.7
			42.20	42.70	0.50			48-5			0.002					0.1
			42.70	43.70	1.00			48-6					0.001			
			45.10	46.10	1.00			48-7					0.001			
			46.10	46.60	0.50			48-8			0.006					2.5
			46.60	47.90	1.30			48-9					0.002			
			47.90	49.20	1.30			48-10					0.001			
			49.20	49.70	0.50			48-11			0.073					3.6
			49.70	50.70	1.00			48-12					0.005			
			55.20	56.20	1.00			48-13					0.001			
			56.20	56.70	0.50			48-14			0.163					1.6
			56.70	57.70	1.00			48-15					0.001			
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK D.D.H.: SND90-48 PAGE: 3 OF: 3

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			65.70	66.70	1.00			48-16					0.001			
			66.70	67.20	0.50			48-17			0.421					8.4
			67.20	68.20	1.00			48-18					0.008			
			71.50	72.50	1.00			48-19					0.001			
			72.50	73.00	0.50			48-20			0.489					10.6
			73.00	73.50	0.50			48-21					0.001			
			73.50	74.00	0.50			48-22			0.019					1.8
			74.00	75.00	1.00			48-23					0.001			
			76.50	77.10	0.60			48-24						1390		
			77.10	77.60	0.50			48-25						1910		
			79.00	80.00	1.00			48-26					0.001			
			80.00	80.50	0.50			48-27			0.002					0.6
			80.50	81.50	1.00			48-28					0.007			
			82.50	83.00	0.50			48-29						16		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK D.D.H.: SND90-49 PAGE: 1 OF: 3

AREA: Siwash North Zone DIP: -90.00 AZIMUTH (t): 0.0 DEPTH: 90.53

CLAIM: ELK 21 NORTHING: 3420.44 DATE STARTED: AUG 31, 1990

SECTION: 2590E EASTING: 2590.58 DATE FINISHED: SEPT 2, 1990

CORE SIZE: HQ ELEVATION: 1651.82 CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 94.43% RQD: 62.40% CORE STORED AT: ELK RACK "A" BAY 16 LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-49 was drilled to test the grade and continuity of mineralization encountered in holes SND90-47 and -48. Two zones of sericitic to phyllic alteration with narrow quartz veining, including a 9cm vein, were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-90.00	0.0	.00	.61	0.61		OB									
			.61	3.09	2.48		A1QM									
			3.09	23.62	20.53		P1QM									
			23.62	26.34	2.72		P3QM									
			26.34	26.57	0.23		P2QM									
			26.57	26.83	0.26		S1QM									
			26.83	41.76	14.93		P1QM									
			41.76	42.97	1.21		GG									
			42.97	44.13	1.16		S5QM									
			44.13	45.95	1.82		A2QM									
			45.95	47.20	1.25		K1QM									
			47.20	50.36	3.16		P3QM									
			50.36	54.05	3.69		P2QM									
			54.05	54.91	0.86		P3QM									
			54.91	55.38	0.47		GG									
			55.38	57.10	1.72		K2QM									
			57.10	59.28	2.18		P2QM									
			59.28	59.55	0.27		K2QM									
			59.55	60.04	0.49		P2QM									
			60.04	62.11	2.07		K2QM									
			62.11	68.50	6.39		P2QM									
			68.50	75.05	6.55		P1QM									
			75.05	75.37	0.32		F4QM									
			75.37	76.20	0.83		S1QM									
			76.20	78.33	2.13		S4QM									
			78.33	84.33	6.00		P1QM									
			84.33	85.10	0.77		K1QM									
			85.10	85.43	0.33		S2QM									
			85.43	85.89	0.46		K1QM									
			85.89	90.53	4.64		P1QM									
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-49 — PAGE 2 OF 3

AREA: — DIP: — AZIMUTH (t): — DEPTH:
CLAIM: — NORTHING: — DATE STARTED:
SECTION: — EASTING: — DATE FINISHED:
CORE SIZE: — ELEVATION: — CONTRACTOR:
CORE RECOVERY: — CORE STORED AT: — LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			49.65	50.15	0.50			49-1						69		
			50.15	51.15	1.00			49-2					0.001			
			51.15	51.65	0.50			49-3			0.023					4.0
			51.65	52.75	1.10			49-4					0.001			
			52.75	54.00	1.25			49-5					0.002			
			54.00	54.50	0.50			49-6			0.056					8.3
			54.50	55.00	0.50			49-7			3.809					86.3
			55.00	56.00	1.00			49-8					0.001			
			74.00	75.00	1.00			49-9					0.001			
			75.00	75.50	0.50			49-10			0.023					1.5
			75.50	76.25	0.75			49-11					0.001			
			76.25	77.00	0.75			49-12			0.018					0.7
			77.00	77.50	0.50			49-13			0.009					0.6
			77.50	78.00	0.50			49-14			0.063					1.8
			78.00	79.20	1.20			49-15					0.001			
			85.00	85.50	0.50			49-16						14		

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-50 — PAGE 1 OF 3

AREA: Siwash North Zone — DIP: -67.00 — AZIMUTH (t): 0.0 — DEPTH: 105.60

CLAIM: ELK 21 — NORTHING: 3407.95 — DATE STARTED: SEPT 3, 1990

SECTION: 2640E — EASTING: 2645.02 — DATE FINISHED: SEPT 5, 1990

CORE SIZE: HQ — ELEVATION: 1650.28 — CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 94.43% RQD: 67.54% CORE STORED AT: ELK RACK "A" BAY 17 — LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-50 was drilled to test the grade and continuity of mineralization encountered in holes SND89-6 and -7. Two sericitic-phyllic-K-spar stable phyllic alteration zones with quartz veining, including two of 10cm, were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-67.00	0.0	.00	.61	0.61		OB									
44.50	-67.00	0.0	.61	5.18	4.57		QM									
			5.18	17.17	11.99		P1QM									
			17.17	20.86	3.69		QM									
			20.86	28.25	7.39		P1QM									
			28.25	29.29	1.04		A1QM									
			29.29	43.28	13.99		P1QM									
			43.28	49.69	6.41		QM									
			49.69	52.63	2.94		K1QM									
			52.63	52.81	0.18		P1QM									
			52.81	53.34	0.53		MI									
			53.34	54.39	1.05		P1QM									
			54.39	54.61	0.22		FKQM									
			54.61	54.90	0.29		K1QM									
			54.90	55.29	0.39		FKQM									
			55.29	56.28	0.99		K1QM									
			56.28	56.57	0.29		F3QM									
			56.57	57.70	1.13		K1QM									
			57.70	57.97	0.27		QV									
			57.97	58.62	0.65		FKQM									
			58.62	65.87	7.25		P1QM									
			65.87	66.33	0.46		A1QM									
			66.33	67.21	0.88		P1QM									
			67.21	67.57	0.36		S1QM									
			67.57	69.28	1.71		P1QM									
			69.28	72.41	3.13		QM									
			72.41	74.35	1.94		P2QM									
			74.35	82.82	8.47		P1QM									
			82.82	84.43	1.61		S1QM									
			84.43	85.23	0.80		S2QM									
			85.23	88.07	2.84		P1QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-50 PAGE 2 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			88.07	91.50	3.43		QM									
			91.50	92.94	1.44		P1QM									
			92.94	93.36	0.42		S3QM									
			93.36	94.01	0.65		P2QM									
			94.01	94.93	0.92		S2QM									
			94.93	95.54	0.61		P2QM									
			95.54	96.07	0.53		S2QM									
			96.07	96.90	0.83		P2QM									
			96.90	97.13	0.23		F2QM									
			97.13	97.59	0.46		P2QM									
			97.59	97.91	0.32		S2QM									
			97.91	98.83	0.92		F3QM									
			98.83	99.25	0.42		S2QM									
			99.25	102.48	3.23		P1QM									
			102.48	105.60	3.12		QM									
			53.34	54.35	1.01			50-1					0.001			
			54.35	54.85	0.50			50-2			0.002					0.7
			54.85	55.35	0.50			50-3			0.237					11.0
			55.35	56.15	0.80			50-4					0.001			
			56.15	56.65	0.50			50-5			0.363					10.2
			56.65	57.65	1.00			50-6					0.001			
			57.65	58.25	0.60			50-7			0.654					29.9
			58.25	59.25	1.00			50-8					0.153			
			84.45	85.25	0.80			50-21						310		
			91.90	92.90	1.00			50-9					0.001			
			92.90	93.40	0.50			50-10			0.008					1.1
			93.40	94.00	0.60			50-11					0.001			
			94.00	94.60	0.60			50-12			0.003					1.1
			94.60	95.50	0.90			50-13					0.001			
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-50 PAGE 3 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			95.50	96.00	0.50			50-14			0.057					2.9
			96.00	96.80	0.80			50-15					0.001			
			96.80	97.30	0.50			50-16			0.777					12.9
			97.30	97.80	0.50			50-17					0.005			
			97.80	98.30	0.50			50-18			0.021					8.1
			98.30	98.80	0.50			50-19			0.904					31.8
			98.80	99.80	1.00			50-20					0.001			

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-51 — PAGE: 1 OF: 2

AREA: Siwash North Zone — DIP: -47.00 — AZIMUTH (t): 0.0 — DEPTH: 58.22

CLAIM: ELK 21 — NORTHING: 3608.34 — DATE STARTED: SEPT 5, 1990

SECTION: 2690E — EASTING: 2691.38 — DATE FINISHED: SEPT 7, 1990

CORE SIZE: HQ — ELEVATION: 1629.32 — CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 92.00% RQD: 55.39% — CORE STORED AT: ELK RACK "A" BAY 17 — LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-50 was drilled below trench SN90-8 to test the eastward continuity of mineralization encountered in holes to the west. Two narrow zones of sericitic to phyllic alteration with narrow quartz veining were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-47.00	0.0	.00	2.74	2.74		CS									
27.59	-46.00	0.0	2.74	7.33	4.59		A1QM									
			7.33	13.69	6.36		P2QM									
			13.69	22.40	8.71		P1QM									
			22.40	22.61	0.21		K2AP									
			22.61	25.15	2.54		P2QM									
			25.15	26.82	1.67		K1QM									
			26.82	27.04	0.22		K3QM									
			27.04	27.38	0.34		GG									
			27.38	27.74	0.36		F3QM									
			27.74	30.22	2.48		S3QM									
			30.22	30.63	0.41		K4QM									
			30.63	31.50	0.87		P2QM									
			31.50	31.85	0.35		S2QM									
			31.85	32.62	0.77		K2QM									
			32.62	32.87	0.25		P2QM									
			32.87	33.10	0.23		F3QM									
			33.10	36.40	3.30		P2QM									
			36.40	37.87	1.47		K2QM									
			37.87	38.68	0.81		P2QM									
			38.68	40.01	1.33		K2QM									
			40.01	41.23	1.22		P2QM									
			41.23	42.62	1.39		K2QM									
			42.62	49.20	6.58		P2QM									
			49.20	50.65	1.45		K1QM									
			50.65	53.88	3.23		P1QM									
			53.88	54.44	0.56		S2QM									
			54.44	58.22	3.78		P1QM									
			7.00	7.50	0.50			51-1						123		
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-51 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			26.30	27.30	1.00			51-2					0.001			
			27.30	27.80	0.50			51-3			0.127					11.3
			27.80	28.80	1.00			51-4					0.001			
			31.75	32.75	1.00			51-5					0.001			
			32.75	33.25	0.50			51-6			0.023					2.3
			33.25	34.25	1.00			51-7					0.005			
			53.85	54.45	0.60			51-8						36		

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-52 — PAGE: 1 OF: 2

AREA: Siwash North Zone — DIP: -45.00 — AZIMUTH (t): 0.0 — DEPTH: 85.34

CLAIM: ELK 21 — NORTHING: 3498.07 — DATE STARTED: SEPT 7, 1990

SECTION: 2690E — EASTING: 2690.22 — DATE FINISHED: SEPT 9, 1990

CORE SIZE: HQ — ELEVATION: 1646.36 — CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 97.26% RQD: 65.47% — CORE STORED AT: ELK RACK "A" BAY 17 — LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-52 was drilled to test the downdip continuity of mineralization encountered in hole SND90-51. Numerous narrow, disperse zones of sericitic to phyllic alteration with 1 to 2 cm quartz veins were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-45.00	0.0	.00	1.52	1.52		CS									
30.98	-45.50	0.0	1.52	9.30	7.78		P1QM									
			9.30	11.37	2.07		QM									
			11.37	13.99	2.62		P1QM									
			13.99	14.19	0.20		FKQM									
			14.19	15.64	1.45		S2QM									
			15.64	16.64	1.00		P1QM									
			16.64	17.07	0.43		S2QM									
			17.07	33.81	16.74		P1QM									
			33.81	34.02	0.21		P4AD									
			34.02	40.21	6.19		P1QM									
			40.21	41.20	0.99		K1QM									
			41.20	41.40	0.20		GG									
			41.40	42.59	1.19		K1QM									
			42.59	46.90	4.31		P2QM									
			46.90	47.10	0.20		P2QM									
			47.10	63.37	16.27		P2QM									
			63.37	63.99	0.62		A2QM									
			63.99	64.23	0.24		S3QM									
			64.23	64.46	0.23		A2QM									
			64.46	66.15	1.69		P1QM									
			66.15	67.54	1.39		QM									
			67.54	69.50	1.96		P1QM									
			69.50	75.26	5.76		P2QM									
			75.26	75.87	0.61		K1QM									
			75.87	80.45	4.58		P2QM									
			80.45	82.04	1.59		K2QM									
			82.04	83.87	1.83		P2QM									
			83.87	85.34	1.47		QM									
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-52 — PAGE 2 OF 2

AREA: — DIP: — AZIMUTH (t): — DEPTH:
CLAIM: — NORTHING: — DATE STARTED:
SECTION: — EASTING: — DATE FINISHED:
CORE SIZE: — ELEVATION: — CONTRACTOR:
CORE RECOVERY: — CORE STORED AT: — LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			6.40	7.10	0.70			52-1						410		
			12.80	13.80	1.00			52-2					0.002			
			13.80	14.30	0.50			52-3			0.031					2.9
			14.30	15.30	1.00			52-4					0.009			
			15.30	15.80	0.50			52-5			0.008					0.6
			15.80	16.80	1.00			52-6					0.009			
			28.70	29.20	0.50			52-17						67		
			43.80	44.80	1.00			52-7					0.001			
			44.80	45.30	0.50			52-8			0.002					3.2
			45.30	45.80	0.50			52-9			0.004					1.5
			45.80	46.80	1.00			52-10					0.004			
			46.80	47.30	0.50			52-11			0.071					3.9
			47.30	48.30	1.00			52-12					0.001			
			50.80	51.30	0.50			52-13						83		
			57.00	57.50	0.50			52-14						370		
			63.85	64.35	0.50			52-15						113		
			78.10	78.80	0.70			52-16						490		

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-53 — PAGE: 1 OF: 3

AREA: Siwash North Zone — DIP: -72.00 — AZIMUTH (t): 0.0 — DEPTH: 79.86

CLAIM: ELK 21 — NORTHING: 3467.93 — DATE STARTED: SEPT 9, 1990

SECTION: 2690E — EASTING: 2690.55 — DATE FINISHED: SEPT 11, 1990

CORE SIZE: HQ — ELEVATION: 1647.19 — CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 96.41% RQD: 55.76% — CORE STORED AT: ELK RACK "A" BAY 18 — LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-53 was drilled to test the downdip continuity of mineralization encountered in holes SND90-51 and -52. Numerous narrow, disperse zones of sericitic to phyllic alteration with narrow quartz veins were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-72.00	0.0	.00	1.52	1.52		CS									
39.93	-72.00	0.0	1.52	12.50	10.98		A1QM									
			12.50	23.53	11.03		P2QM									
			23.53	24.09	0.56		S2QM									
			24.09	31.73	7.64		P2QM									
			31.73	31.93	0.20		F1QM									
			31.93	36.90	4.97		P2QM									
			36.90	37.39	0.49		P2QM									
			37.39	40.79	3.40		P2QM									
			40.79	40.99	0.20		FKQM									
			40.99	44.56	3.57		P2QM									
			44.56	44.78	0.22		S3QM									
			44.78	46.69	1.91		P2QM									
			46.69	47.02	0.33		S3QM									
			47.02	47.53	0.51		S1QM									
			47.53	54.93	7.40		P2QM									
			54.93	55.47	0.54		P4AD									
			55.47	57.41	1.94		P2QM									
			57.41	58.84	1.43		K2QM									
			58.84	59.85	1.01		P2QM									
			59.85	63.93	4.08		P1QM									
			63.93	65.45	1.52		QM									
			65.45	67.36	1.91		P1QM									
			67.36	67.69	0.33		K1QM									
			67.69	69.93	2.24		P1QM									
			69.93	74.36	4.43		K2QM									
			74.36	76.88	2.52		P2QM									
			76.88	79.86	2.98		P1QM									
			20.80	21.80	1.00			53-1						26		
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-53 PAGE 2 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			21.80	22.80	1.00			53-2					0.001			
			22.80	23.30	0.50			53-3			0.004					4.1
			23.30	24.30	1.00			53-4					0.001			
			24.30	25.30	1.00			53-5						190		
			29.80	30.30	0.50			53-6						320		
			30.30	31.30	1.00			53-7					0.001			
			31.30	32.00	0.70			53-8			0.025					4.6
			32.00	33.00	1.00			53-9					0.001			
			33.00	34.15	1.15			53-32					0.001			
			34.15	34.65	0.50			53-10			0.010					0.7
			34.65	35.90	1.25			53-11					0.001			
			35.90	36.90	1.00			53-12					0.001			
			36.90	37.40	0.50			53-13			0.004					1.1
			37.40	38.40	1.00			53-14					0.001			
			39.00	39.60	0.60			53-33						98		
			39.60	40.60	1.00			53-15					0.001			
			40.60	41.10	0.50			53-16			0.004					0.9
			41.10	42.20	1.10			53-17					0.001			
			44.40	44.90	0.50			53-18						220		
			45.60	46.60	1.00			53-19					0.001			
			46.60	47.10	0.50			53-20			0.170					14.1
			47.10	48.10	1.00			53-21					0.002			
			54.60	55.10	0.50			53-22						15		
			56.10	57.10	1.00			53-23					0.001			
			57.10	57.60	0.50			53-24			0.025					3.3
			57.60	58.60	1.00			53-25					0.001			
			67.30	68.30	1.00			53-26					0.001			
			68.30	68.80	0.50			53-27			0.001					0.3
			68.80	69.75	0.95			53-28					0.001			
			69.75	70.25	0.50			53-29			0.020					3.2
			70.25	71.25	1.00			53-30					0.001			
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-53 PAGE 3 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			72.80	73.30	0.50			53-31						28		

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-54 — PAGE: 1 OF: 2

AREA: Siwash North Zone — DIP: -60.00 — AZIMUTH (t): 0.0 — DEPTH: 60.05

CLAIM: ELK 21 — NORTHING: 3538.29 — DATE STARTED: SEPT 12, 1990

SECTION: 2740E — EASTING: 2742.09 — DATE FINISHED: SEPT 14, 1990

CORE SIZE: HQ — ELEVATION: 1638.64 — CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 94.74% RQD: 69.13% — CORE STORED AT: ELK RACK "A" BAY 18 — LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-54 was drilled to test the eastward continuity of mineralization encountered in holes SND90-51 to -53. A few narrow, disperse zones of sericitic to phyllic alteration with some quartz stringers were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-60.00	0.0	.00	1.52	1.52		CS									
30.02	-58.00	0.0	1.52	13.64	12.12		QM									
			13.64	14.17	0.53		P1QM									
			14.17	14.53	0.36		K1QM									
			14.53	15.75	1.22		P2QM									
			15.75	16.08	0.33		K4QM									
			16.08	18.84	2.76		P1QM									
			18.84	24.76	5.92		QM									
			24.76	31.40	6.64		P1QM									
			31.40	32.54	1.14		P2QM									
			32.54	35.45	2.91		P1QM									
			35.45	35.58	0.13		F2QM									
			35.58	37.31	1.73		P1QM									
			37.31	38.84	1.53		QM									
			38.84	40.32	1.48		P1QM									
			40.32	41.65	1.33		A2QM									
			41.65	42.37	0.72		K1QM									
			42.37	42.80	0.43		GG									
			42.80	44.66	1.86		P2QM									
			44.66	44.91	0.25		K3QM									
			44.91	46.66	1.75		P2QM									
			46.66	46.94	0.28		AP									
			46.94	48.36	1.42		P2QM									
			48.36	50.14	1.78		P1QM									
			50.14	50.43	0.29		K1QM									
			50.43	50.70	0.27		F2QM									
			50.70	53.13	2.43		P2QM									
			53.13	53.34	0.21		K1QM									
			53.34	54.06	0.72		P2QM									
			54.06	56.08	2.02		P1QM									
			56.08	57.18	1.10		K2QM									
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-54 — PAGE 2 OF 2

AREA: — DIP: — AZIMUTH (t): — DEPTH:
CLAIM: — NORTHING: — DATE STARTED:
SECTION: — EASTING: — DATE FINISHED:
CORE SIZE: — ELEVATION: — CONTRACTOR:
CORE RECOVERY: — CORE STORED AT: — LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			57.18	60.05	2.87		PIQM									
			17.35	17.85	0.50			54-1						14		
			34.25	35.25	1.00			54-2					0.001			
			35.25	35.75	0.50			54-3			0.010					1.4
			35.75	36.75	1.00			54-4					0.001			
			49.35	50.35	1.00			54-5					0.001			
			50.35	50.85	0.50			54-6			0.004					0.4
			50.85	51.85	1.00			54-7					0.001			
			52.50	53.00	0.50			54-8						8		
			56.10	57.10	1.00			54-9						19		

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-55 — PAGE: 1 OF 2

AREA: Siwash North Zone — DIP: -90.00 — AZIMUTH (t): 0.0 — DEPTH: 82.91

CLAIM: ELK 21 — NORTHING: 3514.78 — DATE STARTED: SEPT 14, 1990

SECTION: 2740E — EASTING: 2741.69 — DATE FINISHED: SEPT 16, 1990

CORE SIZE: HQ — ELEVATION: 1640.34 — CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 94.17% RQD: 66.33% — CORE STORED AT: ELK RACK "A" BAY 18 — LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-55 was drilled to test the eastward continuity of mineralization encountered in trench SN89-14, and to test the downhole potential for mineralization. A few narrow bands of sericitic to phyllic alteration with 1 to 3 cm quartz veins were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-90.00	0.0	.00	1.83	1.83		OB									
			1.83	4.88	3.05		P1QM									
			4.88	5.16	0.28		S2QM									
			5.16	6.34	1.18		P1QM									
			6.34	6.81	0.47		S2QM									
			6.81	8.50	1.69		P1QM									
			8.50	19.14	10.64		QM									
			19.14	19.56	0.42		P1QM									
			19.56	19.80	0.24		K1QM									
			19.80	21.11	1.31		A3QM									
			21.11	31.00	9.89		QM									
			31.00	31.76	0.76		P1QM									
			31.76	32.94	1.18		P5AD									
			32.94	34.28	1.34		P1QM									
			34.28	36.05	1.77		QM									
			36.05	37.54	1.49		P1QM									
			37.54	38.19	0.65		S2QM									
			38.19	39.80	1.61		P2QM									
			39.80	40.10	0.30		FKQM									
			40.10	40.88	0.78		P2QM									
			40.88	41.32	0.44		S3QM									
			41.32	46.31	4.99		P2QM									
			46.31	46.80	0.49		A2QM									
			46.80	56.78	9.98		P2QM									
			56.78	57.00	0.22		K1QM									
			57.00	58.27	1.27		P2QM									
			58.27	58.52	0.25		K2QM									
			58.52	63.70	5.18		P2QM									
			63.70	63.98	0.28		K1QM									
			63.98	64.87	0.89		P2QM									
			64.87	65.08	0.21		K2QM									
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-55 — PAGE 2 OF 2

AREA: — DIP: — AZIMUTH (t): — DEPTH:
CLAIM: — NORTHING: — DATE STARTED:
SECTION: — EASTING: — DATE FINISHED:
CORE SIZE: — ELEVATION: — CONTRACTOR:
CORE RECOVERY: — CORE STORED AT: — LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			65.08	67.19	2.11		P2QM									
			67.19	67.73	0.54		S2QM									
			67.73	69.80	2.07		P2QM									
			69.80	70.30	0.50		S2QM									
			70.30	71.07	0.77		P2QM									
			71.07	71.33	0.26		FKQM									
			71.33	73.02	1.69		P2QM									
			73.02	73.46	0.44		A2QM									
			73.46	82.91	9.45		P2QM									
			6.30	6.85	0.55			55-1					0.001	51		
			37.50	38.20	0.70			55-2					0.001	1260		
			38.20	39.20	1.00			55-3					0.001			
			39.20	39.70	0.50			55-4			0.128					4.7
			39.70	40.20	0.50			55-5			0.289					8.0
			40.20	41.35	1.15			55-6					0.001			
			68.00	68.50	0.50			55-7						540		
			69.80	71.00	1.20			55-8					0.001			
			71.00	71.50	0.50			55-9			0.001					0.1
			71.50	72.50	1.00			55-10					0.001			

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SLD90-56 — PAGE: 1 OF: 2

AREA: Siwash Lake Zone — DIP: -65.00 — AZIMUTH (t): 0.0 — DEPTH: 54.56

CLAIM: ELK 21 — NORTHING: 2519.13 — DATE STARTED: SEPT 18, 1990

SECTION: SL2410E — EASTING: 2412.12 — DATE FINISHED: SEPT 19, 1990

CORE SIZE: HQ — ELEVATION: 1649.16 — CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 96.06% RQD: 57.39% — CORE STORED AT: ELK RACK "A" BAY 19 — LOGGED BY: PAUL CONROY

COMMENTS: Hole SLD90-56 was drilled to test the downdip continuity of mineralization encountered in trench SL90-2. A five meter zone of strong phyllic alteration including an 11cm and a 32cm quartz vein (the larger with massive galena-sphalerite-chalco-pyrite) was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-65.00	0.0	.00	1.22	1.22		CS									
26.52	-63.00	0.0	1.22	5.06	3.84		A1QM									
			5.06	7.08	2.02		P1QM									
			7.08	8.88	1.80		QM									
			8.88	10.10	1.22		A2QM									
			10.10	14.11	4.01		P1QM									
			14.11	14.38	0.27		S2QM									
			14.38	14.94	0.56		P2QM									
			14.94	15.77	0.83		QM									
			15.77	18.88	3.11		P2QM									
			18.88	19.15	0.27		S3QM									
			19.15	20.10	0.95		A1QM									
			20.10	21.57	1.47		P1QM									
			21.57	22.07	0.50		S3QM									
			22.07	22.77	0.70		P1QM									
			22.77	23.34	0.57		S3QM									
			23.34	24.39	1.05		P2QM									
			24.39	24.83	0.44		S3QM									
			24.83	27.54	2.71		P2QM									
			27.54	27.83	0.29		S3QM									
			27.83	28.55	0.72		P2QM									
			28.55	29.61	1.06		P3QM									
			29.61	30.00	0.39		S2QM									
			30.00	31.19	1.19		P3QM									
			31.19	32.02	0.83		P5QM									
			32.02	33.42	1.40		S2QM									
			33.42	34.54	1.12		P1QM									
			34.54	35.36	0.82		F4QM									
			35.36	35.51	0.15		F5QM									
			35.51	35.62	0.11		QV									
			35.62	36.06	0.44		F3AD									
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SLD90-56 — PAGE 2 OF 2

AREA: — DIP: — AZIMUTH (t): — DEPTH:
CLAIM: — NORTHING: — DATE STARTED:
SECTION: — EASTING: — DATE FINISHED:
CORE SIZE: — ELEVATION: — CONTRACTOR:
CORE RECOVERY: — CORE STORED AT: — LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			36.06	37.32	1.26		F4QM									
			37.32	37.64	0.32		QV									
			37.64	38.46	0.82		GG									
			38.46	39.86	1.40		P4AD									
			39.86	40.41	0.55		F4QM									
			40.41	49.50	9.09		P4QM									
			49.50	54.56	5.06		P3QM									
			13.40	14.40	1.00			56-1					0.001			
			14.40	14.90	0.50			56-2			0.004					1.0
			14.90	16.10	1.20			56-3					0.001			
			21.50	22.10	0.60			56-4						1		
			23.35	24.35	1.00			56-5					0.029			
			24.35	24.85	0.50			56-6			0.008					2.1
			24.85	25.85	1.00			56-7					0.001			
			27.45	27.95	0.50			56-8						21		
			33.50	34.50	1.00			56-9					0.001			
			34.50	35.20	0.70			56-10			0.001					1.0
			35.20	35.70	0.50			56-11			0.166				2.850	
			35.70	36.20	0.50			56-12			0.042					46.4
			36.20	37.30	1.10			56-13			0.034					14.1
			37.30	37.80	0.50			56-14			0.165				4.140	
			37.80	38.50	0.70			56-15					0.002			
			38.50	39.80	1.30			56-16					0.001			
			39.80	40.40	0.60			56-17			0.039					31.4
			40.40	41.40	1.00			56-18					0.001			
			53.90	54.40	0.50			56-19						1		

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SLD90-57 — PAGE: 1 OF: 2

AREA: Siwash Lake Zone
CLAIM: ELK 21
SECTION: SL2410E
CORE SIZE: HQ
CORE RECOVERY: 95.38% RQD: 54.48%

DIP: -76.00 AZIMUTH (t): 0.0
NORTHING: 2489.36
EASTING: 2405.94
ELEVATION: 1649.83
CORE STORED AT: ELK RACK "A" BAY 19

DEPTH: 85.95
DATE STARTED: SEPT 19, 1990
DATE FINISHED: SEPT 21, 1990
CONTRACTOR: LECLERC D.D.
LOGGED BY: PAUL CONROY

COMMENTS: Hole SLD90-57 was drilled to test the downdip continuity of mineralization encountered in hole SND90-56 and in trench SL90-2. A 9m zone of phyllic alteration, including a 16cm and a 34cm quartz vein (with pyrite-sphalerite-galena-chalcopyrite) was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-76.00	0.0	.00	1.83	1.83		CS									
20.42	-74.00	359.0	1.83	2.80	0.97		OB									
62.18	-74.00	0.5	2.80	11.46	8.66		QM									
			11.46	13.85	2.39		P1QM									
			13.85	14.65	0.80		P3QM									
			14.65	29.75	15.10		P2QM									
			29.75	43.66	13.91		P3QM									
			43.66	45.03	1.37		S2QM									
			45.03	60.95	15.92		P3QM									
			60.95	62.53	1.58		K1QM									
			62.53	63.24	0.71		P3QM									
			63.24	63.49	0.25		P4QM									
			63.49	63.74	0.25		F3AD									
			63.74	63.98	0.24		F4QM									
			63.98	66.58	2.60		P3QM									
			66.58	67.41	0.83		F4QM									
			67.41	67.75	0.34		QV									
			67.75	68.04	0.29		GG									
			68.04	69.57	1.53		P4AD									
			69.57	69.73	0.16		QV									
			69.73	72.25	2.52		F4QM									
			72.25	75.29	3.04		P3QM									
			75.29	79.35	4.06		K1QM									
			79.35	85.95	6.60		P2QM									
			51.50	52.00	0.50			57-1						5		
			62.20	63.20	1.00			57-2					0.001			
			63.20	63.70	0.50			57-3			0.005					5.7
			63.70	64.20	0.50			57-4			0.007				0.120	
			64.20	65.35	1.15			57-5					0.001			
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK D.D.H.: SLD90-57 PAGE: 2 OF: 2

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			65.35	66.50	1.15			57-6					0.001			
			66.50	67.40	0.90			57-7			0.047					59.4
			67.40	68.10	0.70			57-8			0.074				1.370	
			68.10	69.55	1.45			57-9					0.002			
			69.55	70.05	0.50			57-10			0.135				0.530	
			70.05	70.55	0.50			57-11			0.016					42.4
			70.55	71.50	0.95			57-12					0.001			
			71.50	72.25	0.75			57-13					0.022			

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SLD90-58 — PAGE: 1 OF: 2

AREA: Siwash Lake Zone — DIP: -65.0 — AZIMUTH (t): 0.0 — DEPTH: 43.28

CLAIM: ELK 21 — NORTHING: 2538.90 — DATE STARTED: SEPT 21, 1990

SECTION: SL2555E — EASTING: 2553.88 — DATE FINISHED: SEPT 22, 1990

CORE SIZE: HQ — ELEVATION: 1629.64 — CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 94.70% RQD: 36.50% — CORE STORED AT: ELK RACK "A" BAY 20 — LOGGED BY: PAUL CONROY

COMMENTS: Hole SLD90-58 was drilled to test the grade and continuity of mineralization encountered in trenches SL89-1 and SL90-1. A three meter zone of phyllic alteration, with a few narrow quartz veins, and with fragments of quartz and sulfide in gouge bands, was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-65.0	0.0	0.00	1.22	1.22		OB									
20.42	-65.0	0.5	1.22	6.02	4.80		QM									
			6.02	6.80	0.78		P2QM									
			6.80	13.47	6.67		P3QM									
			13.47	14.94	1.47		K1QM									
			14.94	18.39	3.45		P3QM									
			18.39	18.95	0.56		S2QM									
			18.95	20.08	1.13		P3QM									
			20.08	20.62	0.54		F3QM									
			20.62	21.42	0.80		P2AD									
			21.42	21.60	0.18		F3AD									
			21.60	22.95	1.35		F3QM									
			22.95	24.66	1.71		P2QM									
			24.66	25.02	0.36		F3QM									
			25.02	38.76	13.74		P2QM									
			38.76	39.14	0.38		S1QM									
			39.14	43.28	4.14		P2QM									
			18.40	18.95	0.55			58-1						50		
			18.95	20.05	1.10			58-2					0.001			
			20.05	20.65	0.60			58-3			0.001					0.1
			20.65	21.40	0.75			58-4					0.001			
			21.40	21.90	0.50			58-5			0.001					0.5
			21.90	22.95	1.05			58-6			0.001					0.5
			22.95	23.95	1.00			58-7					0.001			
			23.95	24.60	0.65			58-8						9		
			24.60	25.10	0.50			58-9						11		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND90-60 | PAGE: 1 OF: 2

AREA: Siwash North Zone
CLAIM: ELK 21
SECTION: 2040E
CORE SIZE: HQ
CORE RECOVERY: 95.99% RQD: 56.63%

DIP: -65.00 AZIMUTH (t): 2.0
NORTHING: 3296.25
EASTING: 2038.52
ELEVATION: 1662.03
CORE STORED AT: ELK RACK "A" BAY 21

DEPTH: 112.78
DATE STARTED: SEPT 25, 1990
DATE FINISHED: SEPT 27, 1990
CONTRACTOR: LECLERC D.D.
LOGGED BY: WOJTEK JAKUBOWSKI

COMMENTS: Hole SND90-60 was drilled to test for continuity of mineralization intersected in hole SND90-17. The main zone was intersected at 84.1 metres and a number of minor quartz veins were intersected between 96 and 109m.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-65.00	2.0	0.00	22.86	22.86		GD									
029.26	-64.50	2.0	22.86	24.42	1.56		K2GD									
055.17	-64.50	2.0	24.42	65.00	40.58		GD									
			65.00	65.60	0.60		P2GD									
			65.60	66.55	0.95		K5GD									
			66.55	69.45	2.90		P2GD									
			69.45	71.25	1.80		GD									
			71.25	71.70	0.45		S3GD									
			71.70	82.85	11.15		GD									
			82.85	83.25	0.40		K3GD									
			83.25	83.63	0.38		S4GD									
			83.63	84.09	0.46		P4GD									
			84.09	84.29	0.20		QV									
			84.29	86.45	2.16		K3GD									
			86.45	86.75	0.30		P4GD									
			86.75	87.25	0.50		K4GD									
			87.25	93.30	6.05		QM									
			93.30	94.00	0.70		K3QM									
			94.00	95.41	1.41		K1QM									
			95.41	96.95	1.54		K3QM									
			96.95	97.15	0.20		P3AV									
			97.15	97.70	0.55		QM									
			97.70	101.10	3.40		AV									
			101.10	101.30	0.20		QM									
			101.30	101.90	0.60		K4QM									
			101.90	103.50	1.60		K2QM									
			103.50	104.00	0.50		P4QM									
			104.00	104.95	0.95		AV									
			104.95	106.85	1.90		QM									
			106.85	112.45	5.60		AP									
			112.45	112.78	0.33		AV									
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-60 — PAGE 2 OF 2

AREA: — DIP: — AZIMUTH (t): — DEPTH:
CLAIM: — NORTHING: — DATE STARTED:
SECTION: — EASTING: — DATE FINISHED:
CORE SIZE: — ELEVATION: — CONTRACTOR:
CORE RECOVERY: — CORE STORED AT: — LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			12.40	13.40	1.00			60-1						9		
			13.40	13.90	0.50			60-2					0.008			
			13.90	14.90	1.00			60-3						12		
			23.80	24.30	0.50			60-4						100		
			68.50	69.00	0.50			60-5						61		
			70.25	71.25	1.00			60-6					0.001			
			71.25	71.75	0.50			60-7			0.007					1.4
			71.75	72.75	1.00			60-8					0.001			
			82.63	83.63	1.00			60-9					0.001			
			83.63	84.29	0.66			60-10			0.090					6.6
			84.29	85.10	0.81			60-11					0.014			
			85.10	86.30	1.20			60-12					0.001			
			86.30	86.80	0.50			60-13			0.045					7.1
			86.80	87.80	1.00			60-14					0.001			
			95.80	96.80	1.00			60-15					0.001			
			96.80	97.30	0.50			60-16			0.016					2.2
			97.30	98.30	1.00			60-17					0.001			
			100.90	101.40	0.50			60-18					0.032			
			101.40	102.40	1.00			60-19					0.001			
			102.40	103.40	1.00			60-20					0.002			
			103.40	103.90	0.50			60-21			0.078					1.7
			103.90	104.90	1.00			60-22					0.001			

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND90-61 | PAGE: 1 OF 3

AREA: Siwash North Zone | DIP: -63.0 | AZIMUTH (t): 1.5 | DEPTH: 180.44

CLAIM: ELK 21 | NORTHING: 3150.87 | DATE STARTED: SEPT 29D, 1990

SECTION: 2340E | EASTING: 2344.19 | DATE FINISHED: OCT 4N, 1990

CORE SIZE: HQ | ELEVATION: 1645.45 | CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 96.44% RQD: 60.19% | CORE STORED AT: ELK RACK "A" BAY 21 | LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-61 was drilled to test the grade and continuity of high grade gold mineralization encountered in hole SND90-33. Four zones of phyllic alteration, one including a 21cm quartz vein with 30% pyrite and 5% chalcopyrite, were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-63.0	1.5	0.00	1.83	1.83		CS									
23.69	-61.5	2.0	1.83	4.10	2.27		A1QM									
87.82	-61.5	2.75	4.10	9.85	5.75		P1QM									
148.74	-62.5	3.5	9.85	10.76	0.91		AD									
			10.76	11.28	0.52		A3AD									
			11.28	11.74	0.46		A3QM									
			11.74	24.14	12.40		QM									
			24.14	25.27	1.13		F3QM									
			25.27	39.50	14.23		QM									
			39.50	47.71	8.21		P1QM									
			47.71	48.31	0.60		F4QM									
			48.31	51.54	3.23		P1QM									
			51.54	51.94	0.40		S1QM									
			51.94	58.00	6.06		P1QM									
			58.00	81.33	23.33		QM									
			81.33	83.06	1.73		P1QM									
			83.06	87.28	4.22		K1QM									
			87.28	87.79	0.51		P1QM									
			87.79	88.43	0.64		K1AP									
			88.43	92.05	3.62		P1QM									
			92.05	93.65	1.60		K1QM									
			93.65	93.98	0.33		P2QM									
			93.98	106.96	12.98		QM									
			106.96	111.83	4.87		P1QM									
			111.83	112.19	0.36		K2QM									
			112.19	120.60	8.41		P1QM									
			120.60	121.27	0.67		K2QM									
			121.27	121.49	0.22		GG									
			121.49	123.68	2.19		K2QM									
			123.68	125.03	1.35		P1QM									
			125.03	131.50	6.47		QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-61 PAGE 2 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			131.50	137.16	5.66		P1QM									
			137.16	140.50	3.34		X1QM									
			140.50	147.40	6.90		P1QM									
			147.40	148.03	0.63		K1QM									
			148.03	148.80	0.77		A1QM									
			148.80	151.00	2.20		P2QM									
			151.00	151.35	0.35		A2QM									
			151.35	151.60	0.25		GG									
			151.60	151.80	0.20		A2QM									
			151.80	159.80	8.00		P2QM									
			159.80	160.08	0.28		S3QM									
			160.08	160.69	0.61		F5QM									
			160.69	163.95	3.26		S3QM									
			163.95	164.37	0.42		F3QM									
			164.37	164.82	0.45		F5QM									
			164.82	165.03	0.21		QV									
			165.03	165.25	0.22		F4QM									
			165.25	170.09	4.84		S3QM									
			170.09	171.35	1.26		P2QM									
			171.35	171.77	0.42		S3QM									
			171.77	172.45	0.68		P2QM									
			172.45	172.66	0.21		S3QM									
			172.66	173.65	0.99		F4QM									
			173.65	176.22	2.57		P2QM									
			176.22	176.84	0.62		K1QM									
			176.84	179.89	3.05		P2QM									
			179.89	180.44	0.55		P1QM									
			23.10	24.10	1.00			61-1					0.001			
			24.10	24.60	0.50			61-2			0.017					1.0
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-61 — PAGE 3 OF 3

AREA: — DIP: — AZIMUTH (t): — DEPTH:
CLAIM: — NORTHING: — DATE STARTED:
SECTION: — EASTING: — DATE FINISHED:
CORE SIZE: — ELEVATION: — CONTRACTOR:
CORE RECOVERY: — CORE STORED AT: — LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			24.60	25.30	0.70			61-3			0.005					0.8
			25.30	26.30	1.00			61-4					0.001			
			45.20	46.20	1.00			61-5						6		
			46.20	46.70	0.50			61-6						2		
			46.70	47.70	1.00			61-7					0.001			
			47.70	48.35	0.65			61-8			0.004					2.9
			48.35	49.25	0.90			61-9					0.001			
			49.25	49.95	0.70			61-10						3		
			111.75	112.25	0.50			61-11						1		
			159.05	160.05	1.00			61-12					0.001			
			160.05	160.70	0.65			61-13			0.025					3.1
			160.70	161.70	1.00			61-14					0.001			
			161.70	162.70	1.00			61-15						13		
			162.70	163.70	1.00			61-16					0.001			
			163.70	164.70	1.00			61-17			0.232					5.3
			164.70	165.35	0.65			61-18			1.178	2.403				120.4
			165.35	166.35	1.00			61-19					0.001			
			166.35	166.85	0.50			61-20						38		
			166.85	167.35	0.50			61-21						66		
			168.20	168.70	0.50			61-22						21		
			169.40	169.90	0.50			61-23						41		
			171.20	171.70	0.50			61-24						130		
			171.70	172.65	0.95			61-25					0.001			
			172.65	173.15	0.50			61-26			0.262	0.076				5.1
			173.15	173.65	0.50			61-27			0.012					3.7
			173.65	174.65	1.00			61-28					0.001			
			176.30	176.80	0.50			61-29						2		

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-62 — PAGE: 1 OF: 3

AREA: Siwash North Zone — DIP: -65.00 — AZIMUTH (t): 2.0 — DEPTH: 167.64

CLAIM: ELK 21 — NORTHING: 3192.90 — DATE STARTED: OCT 5D, 1990

SECTION: 2290E — EASTING: 2290.66 — DATE FINISHED: OCT 6N, 1990

CORE SIZE: HQ — ELEVATION: 1654.21 — CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 99.24% RQD: 72.91% — CORE STORED AT: ELK RACK "A" BAY 22 — LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-62 was drilled to test the downdip grade and conti- nuity of high-grade gold mineralization encountered in hole SND90-29. One zone of strong sericitic to phyllic alteration, 2 meters thick and including a 35cm gouge with 15% pyrite and fragments of quartz vein, was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-65.00	2.0	0.00	1.83	1.83		OB									
38.10	-67.5	1.5	1.83	9.67	7.84		QM									
119.18	-68.0	1.0	9.67	10.00	0.33		S3QM									
			10.00	30.01	20.01		QM									
			30.01	31.22	1.21		P1QM									
			31.22	31.53	0.31		S2QM									
			31.53	37.00	5.47		P1QM									
			37.00	48.70	11.70		QM									
			48.70	55.27	6.57		P1QM									
			55.27	55.43	0.16		S2QM									
			55.43	57.50	2.07		P1QM									
			57.50	58.40	0.90		S1QM									
			58.40	61.00	2.60		P1QM									
			61.00	63.87	2.87		QM									
			63.87	83.82	19.95		P1QM									
			83.82	97.00	13.18		QM									
			97.00	101.70	4.70		P1QM									
			101.70	103.30	1.60		K2QM									
			103.30	108.30	5.00		P1QM									
			108.30	109.42	1.12		K2QM									
			109.42	125.10	15.68		P1QM									
			125.10	127.00	1.90		K1QM									
			127.00	132.00	5.00		P1QM									
			132.00	132.80	0.80		K1AP									
			132.80	144.50	11.70		P1QM									
			144.50	146.15	1.65		P2QM									
			146.15	146.66	0.51		S4QM									
			146.66	147.03	0.37		F5QM									
			147.03	147.38	0.35		GG									
			147.38	148.30	0.92		S4QM									
			148.30	149.13	0.83		P2QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-62 PAGE 2 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			149.13	149.47	0.34		S2QM									
			149.47	150.00	0.53		P2QM									
			150.00	150.27	0.27		S3QM									
			150.27	150.65	0.38		P2QM									
			150.65	150.90	0.25		S3QM									
			150.90	152.52	1.62		P2QM									
			152.52	152.92	0.40		S2QM									
			152.92	153.21	0.29		S2GD									
			153.21	155.51	2.30		P4GD									
			155.51	156.24	0.73		P1GD									
			156.24	156.84	0.60		P3GD									
			156.84	158.08	1.24		P2GD									
			158.08	160.78	2.70		P1GD									
			160.78	161.44	0.66		S4GD									
			161.44	163.26	1.82		P1GD									
			163.26	163.80	0.54		S3GD									
			163.80	164.81	1.01		P1GD									
			164.81	165.06	0.25		P3GD									
			165.06	167.64	2.58		P1GD									
			9.60	10.10	0.50			62-1						23		
			30.00	31.00	1.00			62-2						7		
			31.00	31.60	0.60			62-3						1500		
			145.00	146.00	1.00			62-4					0.001			
			146.00	146.50	0.50			62-5			0.001					0.1
			146.50	147.00	0.50			62-6			0.005					0.9
			147.00	147.50	0.50			62-7			0.293					24.2
			147.50	148.50	1.00			62-8					0.001			
			156.00	156.50	0.50			62-9						48		
			162.00	162.50	0.50			62-10						330		
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-62 PAGE 3 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			164.15	164.65	0.50			62-11						12		
			164.65	165.15	0.50			62-12						28		
			165.40	165.90	0.50			62-13						33		
			166.50	167.00	0.50			62-14						8		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND90-63 | PAGE: 1 OF 2

AREA: Siwash North Zone | DIP: -65.00 | AZIMUTH (t): 1.75 | DEPTH: 142.34

CLAIM: ELK 21 | NORTHING: 3238.84 | DATE STARTED: OCT 6N, 1990

SECTION: 2240E | EASTING: 2239.42 | DATE FINISHED: OCT 8D, 1990

CORE SIZE: HQ | ELEVATION: 1655.20 | CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 98.07% RQD: 77.49% | CORE STORED AT: ELK RACK "A" BAY 23 | LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-63 was drilled to test the grade and continuity of gold mineralization intersected in hole SND90-26. A 3.5m zone of strong phyllic alteration with minor narrow quartz veining was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-65.00	1.75	0.00	.61	0.61		CS									
37.18	-64.00	1.75	.61	5.05	4.44		A1QM									
104.85	-64.00	1.75	5.05	10.50	5.45		QM									
			10.50	16.25	5.75		A1QM									
			16.25	17.32	1.07		P1QM									
			17.32	18.32	1.00		A1QM									
			18.32	32.01	13.69		QM									
			32.01	43.03	11.02		P1QM									
			43.03	44.36	1.33		K1QM									
			44.36	46.93	2.57		P1QM									
			46.93	55.91	8.98		QM									
			55.91	56.83	0.92		P1QM									
			56.83	65.88	9.05		QM									
			65.88	68.95	3.07		P1QM									
			68.95	72.30	3.35		K2QM									
			72.30	76.26	3.96		P1QM									
			76.26	76.50	0.24		S2QM									
			76.50	77.50	1.00		P1QM									
			77.50	77.85	0.35		S2QM									
			77.85	81.23	3.38		P1QM									
			81.23	81.46	0.23		F2QM									
			81.46	82.50	1.04		P1QM									
			82.50	87.00	4.50		P1GD									
			87.00	102.67	15.67		GD									
			102.67	103.48	0.81		P1GD									
			103.48	105.47	1.99		GD									
			105.47	107.35	1.88		P1GD									
			107.35	108.29	0.94		F2GD									
			108.29	108.70	0.41		GG									
			108.70	109.90	1.20		P3GD									
			109.90	110.76	0.86		F4GD									
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-63 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			110.76	111.72	0.96		P2GD									
			111.72	118.75	7.03		P1GD									
			118.75	142.34	23.59		GD									
			80.10	81.10	1.00			63-1					0.001			
			81.10	81.60	0.50			63-2			0.001					0.5
			81.60	82.60	1.00			63-3					0.001			
			106.30	107.30	1.00			63-4					0.001			
			107.30	107.80	0.50			63-5			0.007					0.4
			107.80	108.30	0.50			63-6			0.001					0.1
			108.30	108.90	0.60			63-7					0.003			
			108.90	109.90	1.00			63-8					0.001			
			109.90	110.40	0.50			63-9			0.010					2.9
			110.40	110.90	0.50			63-10			0.001					0.1
			110.90	111.90	1.00			63-11					0.001			
			122.75	123.25	0.50			63-12						370		
			125.50	126.00	0.50			63-13						140		
			140.00	140.50	0.50			63-14						17		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK D.D.H.: SND90-64 PAGE: 1 OF: 2

AREA: Siwash North Zone DIP: -65.00 AZIMUTH (t): 357.0 DEPTH: 119.48

CLAIM: ELK 21 NORTHING: 3252.62 DATE STARTED: OCT 8N, 1990

SECTION: 2190E EASTING: 2185.61 DATE FINISHED: OCT 10D, 1990

CORE SIZE: HQ ELEVATION: 1660.64 CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 98.48% RQD: 79.45% CORE STORED AT: ELK RACK "A" BAY 23 LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-64 was drilled to test the down-dip grade and conti- nuity of mineralization encountered in hole SND90-23. A 70cm zone of strong phyllic alteration, including a 36cm quartz vein with 5% pyrite and 5% galena was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								metallics FA		MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-65.00	357.0	0.00	1.22	1.22		CS									
25.76	-64.00	359.5	1.22	16.72	15.50		QM									
83.52	-64.50	358.5	16.72	18.14	1.42		A2QM									
			18.14	18.90	0.76		A1QM									
			18.90	19.52	0.62		K1QM									
			19.52	45.50	25.98		P1QM									
			45.50	58.92	13.42		QM									
			58.92	59.14	0.22		K3QM									
			59.14	60.10	0.96		P1QM									
			60.10	60.78	0.68		K1QM									
			60.78	65.75	4.97		P1QM									
			65.75	66.20	0.45		P3QM									
			66.20	67.15	0.95		P1QM									
			67.15	68.08	0.93		P1GD									
			68.08	72.24	4.16		GD									
			72.24	72.60	0.36		K1GD									
			72.60	75.50	2.90		GD									
			75.50	76.83	1.33		P1GD									
			76.83	77.08	0.25		A2GD									
			77.08	81.40	4.32		P1GD									
			81.40	91.50	10.10		GD									
			91.50	92.50	1.00		P2GD									
			92.50	95.30	2.80		GD									
			95.30	97.60	2.30		P2GD									
			97.60	103.50	5.90		GD									
			103.50	105.11	1.61		P1GD									
			105.11	106.46	1.35		P4GD									
			106.46	106.65	0.19		F4GD									
			106.65	107.02	0.37		QV									
			107.02	107.17	0.15		F4GD									
			107.17	107.99	0.82		S4GD									
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-64 — PAGE 2 OF 2

AREA: — DIP: — AZIMUTH (t): — DEPTH:
CLAIM: — NORTHING: — DATE STARTED:
SECTION: — EASTING: — DATE FINISHED:
CORE SIZE: — ELEVATION: — CONTRACTOR:
CORE RECOVERY: — CORE STORED AT: — LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			107.99	108.52	0.53		GG									
			108.52	108.86	0.34		S3GD									
			108.86	109.09	0.23		P2GD									
			109.09	109.98	0.89		GD									
			109.98	110.37	0.39		P2GD									
			110.37	110.80	0.43		S3GD									
			110.80	111.72	0.92		GD									
			111.72	119.48	7.76		P1GD									
			62.40	62.90	0.50			64-1						110		
			63.50	64.00	0.50			64-2						75		
			64.70	65.70	1.00			64-3					0.001			
			65.70	66.20	0.50			64-4			0.025					1.1
			66.20	66.80	0.60			64-5					0.001			
			66.80	67.30	0.50			64-6			0.043					1.3
			67.30	68.30	1.00			64-7					0.001			
			75.00	75.50	0.50			64-8						270		
			76.75	77.25	0.50			64-9						290		
			105.45	106.45	1.00			64-10					0.001			
			106.45	107.20	0.75			64-11			0.454				0.700	24.2
			107.20	108.00	0.80			64-12					0.001			
			108.00	108.55	0.55			64-13			0.036					1.0
			108.55	109.55	1.00			64-14					0.001			

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND90-65 | PAGE: 1 OF: 2

AREA: Siwash North Zone | DIP: -65.00 | AZIMUTH (t): 2.0 | DEPTH: 127.10

CLAIM: ELK 21 | NORTHING: 3262.24 | DATE STARTED: OCT 10N, 1990

SECTION: 2140E | EASTING: 2135.99 | DATE FINISHED: OCT 11N, 1990

CORE SIZE: HQ | ELEVATION: 1660.61 | CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 99.39% RQD: 75.02% | CORE STORED AT: ELK RACK "A" BAY 24 | LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-65 was drilled between holes SND89-11 and -12 to test for the presence of a steepening zone not intersected in 1989. A 65cm zone of strong phyllic alteration, including a 30cm quartz vein with 10% total sulfide (pyrite>chalcopyrite>galena>sphalerite) was intersected below hole SND89-11.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-65.00	2.0	0.00	1.22	1.22		OB									
27.21	-66.00	2.5	1.22	10.40	9.18		P1QM									
88.09	-67.00	1.5	10.40	11.46	1.06		A2QM									
			11.46	17.57	6.11		P1QM									
			17.57	19.20	1.63		S2QM									
			19.20	20.69	1.49		K2QM									
			20.69	26.83	6.14		P1QM									
			26.83	27.69	0.86		K1QM									
			27.69	30.25	2.56		P1QM									
			30.25	37.93	7.68		QM									
			37.93	44.00	6.07		GD									
			44.00	48.54	4.54		P1GD									
			48.54	48.86	0.32		F3GD									
			48.86	49.50	0.64		P1GD									
			49.50	55.85	6.35		GD									
			55.85	56.08	0.23		F2GD									
			56.08	57.00	0.92		GD									
			57.00	58.68	1.68		P1GD									
			58.68	58.95	0.27		F4GD									
			58.95	61.00	2.05		P1GD									
			61.00	66.53	5.53		GD									
			66.53	73.76	7.23		P1GD									
			73.76	86.22	12.46		GD									
			86.22	86.51	0.29		P1GD									
			86.51	86.76	0.25		S2GD									
			86.76	87.36	0.60		P1GD									
			87.36	96.80	9.44		GD									
			96.80	98.15	1.35		P2GD									
			98.15	100.95	2.80		GD									
			100.95	102.32	1.37		P1GD									
			102.32	102.87	0.55		A2GD									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-65 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			102.87	103.15	0.28		GG									
			103.15	104.24	1.09		P1GD									
			104.24	105.05	0.81		GD									
			105.05	107.20	2.15		P2GD									
			107.20	112.00	4.80		P1GD									
			112.00	112.80	0.80		S3GD									
			112.80	113.10	0.30		P4GD									
			113.10	113.40	0.30		QV									
			113.40	113.66	0.26		P4GD									
			113.66	114.35	0.69		P1GD									
			114.35	127.10	12.75		GD									
			42.90	43.40	0.50			65-1						87		
			45.00	46.00	1.00			65-2						110		
			46.00	46.80	0.80			65-3					0.001			
			46.80	47.30	0.50			65-4			0.002					0.5
			47.30	48.40	1.10			65-5					0.001			
			48.40	48.90	0.50			65-6			0.018					0.6
			48.90	49.90	1.00			65-7					0.001			
			55.70	56.20	0.50			65-8						69		
			57.60	58.60	1.00			65-9					0.001			
			58.60	59.10	0.50			65-10			0.003					0.4
			59.10	60.10	1.00			65-11					0.001			
			102.75	103.25	0.50			65-12						26		
			111.80	112.80	1.00			65-13					0.001			
			112.80	113.70	0.90			65-14			1.411				1.860	84.4
			113.70	114.70	1.00			65-15					0.001			

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-66 — PAGE 1 OF 2

AREA: Siwash North Zone — DIP: -65.00 — AZIMUTH (t): 357.0 — DEPTH: 107.29

CLAIM: ELK 21 — NORTHING: 3281.39 — DATE STARTED: OCT 11N, 1990

SECTION: 2090E — EASTING: 2089.93 — DATE FINISHED: OCT 13D, 1990

CORE SIZE: HQ — ELEVATION: 1661.97 — CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 98.83% RQD: 79.96% CORE STORED AT: ELK RACK "A" BAY 25 — LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-66 was drilled to test for a steeper zone which was not intersected in hole SND90-15. A 1.5m zone of strong phyllic alteration, including a 36cm quartz vein containing substantial visible gold, was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								metallics	PA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-65.00	357.0	0.00	1.83	1.83		CS									
27.21	-65.00	356.0	1.83	3.80	1.97		A1GD									
77.42	-66.00	357.0	3.80	24.28	20.48		GD									
			24.28	24.77	0.49		K2GD									
			24.77	27.10	2.33		GD									
			27.10	27.55	0.45		F3GD									
			27.55	32.80	5.25		GD									
			32.80	33.20	0.40		K4GD									
			33.20	33.56	0.36		P1GD									
			33.56	33.81	0.25		S3GD									
			33.81	34.70	0.89		P1GD									
			34.70	49.87	15.17		GD									
			49.87	50.12	0.25		K2GD									
			50.12	51.18	1.06		GD									
			51.18	52.85	1.67		P1GD									
			52.85	53.17	0.32		S3GD									
			53.17	55.52	2.35		P1GD									
			55.52	55.89	0.37		GG									
			55.89	56.85	0.96		P1GD									
			56.85	61.00	4.15		GD									
			61.00	62.80	1.80		P1GD									
			62.80	86.42	23.62		GD									
			86.42	86.75	0.33		P3GD									
			86.75	89.00	2.25		P1GD									
			89.00	91.05	2.05		GD									
			91.05	92.85	1.80		P1GD									
			92.85	93.20	0.35		K2GD									
			93.20	93.43	0.23		GG									
			93.43	95.74	2.31		P4GD									
			95.74	96.67	0.93		S3GD									
			96.67	97.12	0.45		F5GD									

CONTD

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-66 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			97.12	97.48	0.36		QV									
			97.48	98.20	0.72		P3GD									
			98.20	99.17	0.97		P3GD									
			99.17	107.29	8.12		P1GD									
			26.05	27.05	1.00			66-1					0.001			
			27.05	27.55	0.50			66-2			0.117					4.3
			27.55	28.55	1.00			66-3					0.001			
			28.55	29.05	0.50			66-4						20		
			31.95	32.75	0.80			66-5					0.001			
			32.75	33.25	0.50			66-6			0.002					0.3
			33.25	34.25	1.00			66-7					0.001			
			36.40	36.90	0.50			66-8						2750		
			52.80	53.30	0.50			66-9						170		
			55.45	55.95	0.50			66-10						10		
			95.60	96.60	1.00			66-11					0.001			
			96.60	97.10	0.50			66-12			0.101					13.3
			97.10	97.50	0.40			66-13			7.974				7.450	
			97.50	98.20	0.70			66-14			0.007					1.2
			98.20	99.20	1.00			66-15					0.001			

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK D.D.H.: SND90-67 PAGE: 1 OF: 2

AREA: Siwash North Zone DIP: -65.00 AZIMUTH (t): 2.5 DEPTH: 149.96

CLAIM: ELK 21 NORTHING: 3253.57 DATE STARTED: OCT 13N, 1990

SECTION: 2040E EASTING: 2037.30 DATE FINISHED: OCT 15N, 1990

CORE SIZE: HQ ELEVATION: 1662.39 CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 99.41% RQD: 68.01% CORE STORED AT: ELK RACK "A" BAY 25 LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-67 was drilled to test the down-dip continuity of mineralization intersected in hole SND90-60. Four zones of phyllic alteration, three containing 8 to 10cm quartz veins with abundant pyrite, were encountered.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.00	-65.00	2.5	0.00	.61	0.61		CS									
41.00	-64.00	2.5	.61	17.96	17.35		GD									
112.47	-64.30	2.5	17.96	20.42	2.46		P1GD									
			20.42	32.41	11.99		GD									
			32.41	33.06	0.65		S3GD									
			33.06	36.43	3.37		P1GD									
			36.43	37.25	0.82		A1GD									
			37.25	41.83	4.58		P1GD									
			41.83	43.28	1.45		GD									
			43.28	46.38	3.10		P2GD									
			46.38	46.80	0.42		F3GD									
			46.80	47.80	1.00		P1GD									
			47.80	62.02	14.22		GD									
			62.02	62.92	0.90		S3GD									
			62.92	71.40	8.48		GD									
			71.40	71.75	0.35		A2GD									
			71.75	76.50	4.75		GD									
			76.50	78.72	2.22		P1GD									
			78.72	88.40	9.68		P2PV									
			88.40	93.37	4.97		P3PV									
			93.37	96.50	3.13		P1AV									
			96.50	97.18	0.68		P1GR									
			97.18	101.19	4.01		P3PV									
			101.19	117.57	16.38		P1PV									
			117.57	119.60	2.03		P3PV									
			119.60	126.00	6.40		P1PV									
			126.00	127.10	1.10		F3PV									
			127.10	129.47	2.37		P1PV									
			129.47	129.80	0.33		F4PV									
			129.80	130.69	0.89		S3PV									
			130.69	133.81	3.12		P2PV									
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-67 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			133.81	134.20	0.39		F3PV									
			134.20	134.72	0.52		S2PV									
			134.72	137.77	3.05		P2PV									
			137.77	138.38	0.61		F5PV									
			138.38	139.35	0.97		P2PV									
			139.35	140.62	1.27		X2PV									
			140.62	145.08	4.46		P1PV									
			145.08	145.50	0.42		X3PV									
			145.50	149.96	4.46		P1PV									
			45.30	46.30	1.00			67-1					0.001			
			46.30	46.80	0.50			67-2			0.042				0.130	3.5
			46.80	47.80	1.00			67-3					0.001			
			55.60	56.10	0.50			67-4						250		
			62.00	63.00	1.00			67-5						49		
			120.00	120.50	0.50			67-6						56		
			125.00	126.00	1.00			67-7					0.001			
			126.00	126.50	0.50			67-8			0.003					0.4
			126.50	127.50	1.00			67-9					0.001			
			128.40	129.40	1.00			67-10					0.001			
			129.40	129.90	0.50			67-11			0.036				0.130	5.0
			129.90	130.90	1.00			67-12					0.001			
			132.75	133.75	1.00			67-13					0.001			
			133.75	134.25	0.50			67-14			0.011					5.6
			134.25	135.25	1.00			67-15					0.001			
			136.75	137.75	1.00			67-16					0.001			
			137.75	138.40	0.65			67-17			0.027					4.1
			138.40	139.40	1.00			67-18					0.001			

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK D.D.H.: SND90-68 PAGE: 1 OF: 3

AREA: Siwash North Zone DIP: -65.00 AZIMUTH (t): 1.25 DEPTH: 153.31

CLAIM: ELK 21 NORTHING: 3270.46 DATE STARTED: OCT 15N, 1990

SECTION: 1990E EASTING: 1984.74 DATE FINISHED: OCT 17N, 1990

CORE SIZE: HQ ELEVATION: 1658.91 CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 99.15% RQD: 59.90% CORE STORED AT: ELK RACK "A" BAY 26 LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-68 was drilled behind hole SND89-5 to test the grade and continuity of a small zone intersected there. A few narrow zones of sericitic to phyllic altered granitics or vol- canics, one including a 15cm pyritic quartz vein, were inter- sected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-65.00	1.25	0.00	1.22	1.22		CS									
39.47	-64.5	1.25	1.22	4.56	3.34		GD									
112.47	-65.0	1.25	4.56	5.71	1.15		AP									
			5.71	8.85	3.14		P1GD									
			8.85	9.11	0.26		GG									
			9.11	15.50	6.39		GD									
			15.50	19.85	4.35		P1GD									
			19.85	21.64	1.79		K3GD									
			21.64	23.83	2.19		P1GD									
			23.83	24.62	0.79		K2GD									
			24.62	28.84	4.22		P1GD									
			28.84	29.57	0.73		K4GD									
			29.57	31.26	1.69		K1GD									
			31.26	31.58	0.32		GG									
			31.58	35.63	4.05		P1GD									
			35.63	41.00	5.37		GR									
			41.00	44.60	3.60		P1GR									
			44.60	46.60	2.00		GR									
			46.60	51.56	4.96		P1GR									
			51.56	52.30	0.74		K3GR									
			52.30	53.10	0.80		S5GR									
			53.10	58.36	5.26		P1GD									
			58.36	60.05	1.69		P2GR									
			60.05	64.81	4.76		AV									
			64.81	76.81	12.00		P2GR									
			76.81	79.86	3.05		AV									
			79.86	81.80	1.94		P1GR									
			81.80	89.53	7.73		AV									
			89.53	89.90	0.37		GR									
			89.90	95.81	5.91		AV									
			95.81	96.65	0.84		S5AV									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-68 PAGE 2 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			96.65	101.30	4.65		P1PV									
			101.30	101.66	0.36		P4AV									
			101.66	102.16	0.50		P2PV									
			102.16	105.24	3.08		P2GR									
			105.24	105.87	0.63		P2PV									
			105.87	107.35	1.48		P2AP									
			107.35	108.76	1.41		P2AV									
			108.76	111.13	2.37		P2GR									
			111.13	112.03	0.90		P1AV									
			112.03	112.31	0.28		S2AV									
			112.31	114.70	2.39		SKAV									
			114.70	114.95	0.25		GR									
			114.95	118.50	3.55		SKAV									
			118.50	119.86	1.36		P1AV									
			119.86	120.37	0.51		GR									
			120.37	121.45	1.08		P1PV									
			121.45	133.87	12.42		SKPV									
			133.87	136.99	3.12		P2PV									
			136.99	141.86	4.87		SKPV									
			141.86	142.95	1.09		S3AV									
			142.95	143.10	0.15		QV									
			143.10	143.87	0.77		S3AV									
			143.87	153.31	9.44		P3AV									
			28.80	29.30	0.50			68-1						12		
			30.00	30.50	0.50			68-2						10		
			34.90	35.90	1.00			68-3					0.001			
			35.90	36.40	0.50			68-4			0.123					10.7
			36.40	37.40	1.00			68-5					0.001			
			52.30	53.10	0.80			68-6						2		
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-68 PAGE 3 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			90.50	91.00	0.50			68-7						3		
			94.80	95.80	1.00			68-8					0.001			
			95.80	96.65	0.85			68-9			0.001					0.6
			96.65	97.65	1.00			68-10					0.002			
			110.90	111.90	1.00			68-11					0.001			
			111.90	112.40	0.50			68-12			0.008					1.3
			112.40	113.40	1.00			68-13					0.001			
			141.80	142.80	1.00			68-14					0.004			
			142.80	143.30	0.50			68-15			0.070				0.250	9.2
			143.30	144.30	1.00			68-16					0.001			

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK D.D.H.: SND90-69 PAGE: 1 OF: 3

AREA: Siwash North Zone DIP: -65.0 AZIMUTH (t): 357.0 DEPTH: 142.34

CLAIM: ELK 21 NORTHING: 3251.75 DATE STARTED: OCT 17N, 1990

SECTION: 1940E EASTING: 1939.47 DATE FINISHED: OCT 20D, 1990

CORE SIZE: HQ ELEVATION: 1657.74 CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 99.87% RQD: 52.87% CORE STORED AT: ELK RACK "A" BAY 27 LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-69 was drilled to test the downdip grade and conti- nuity of mineralization encountered in holes SND90-19 and -20. One major zone of phyllic alteration, including a 50cm pyritic quartz vein, was intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-65.0	357.0	0.00	1.22	1.22		CS									
37.95	-66.00	357.0	1.22	8.90	7.68		K1AP									
106.38	-66.50	357.0	8.90	10.53	1.63		GD									
			10.53	11.08	0.55		K2GD									
			11.08	18.33	7.25		GD									
			18.33	23.50	5.17		P1GD									
			23.50	24.10	0.60		FKGD									
			24.10	24.58	0.48		GG									
			24.58	24.91	0.33		FKGD									
			24.91	27.70	2.79		P1GD									
			27.70	32.70	5.00		GD									
			32.70	33.95	1.25		P2GD									
			33.95	34.22	0.27		S3GD									
			34.22	39.05	4.83		P2GD									
			39.05	41.00	1.95		K2AP									
			41.00	45.53	4.53		P1GD									
			45.53	49.45	3.92		AP									
			49.45	60.15	10.70		P3GD									
			60.15	60.72	0.57		P1AV									
			60.72	62.20	1.48		P2GD									
			62.20	63.00	0.80		P1AV									
			63.00	68.14	5.14		P2GD									
			68.14	68.70	0.56		S4AV									
			68.70	69.00	0.30		X4AV									
			69.00	69.33	0.33		S3AV									
			69.33	69.86	0.53		P3AV									
			69.86	72.33	2.47		P2PV									
			72.33	73.40	1.07		SKPV									
			73.40	76.07	2.67		P3PV									
			76.07	76.68	0.61		SKPV									
			76.68	79.65	2.97		P3PV									
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-69 PAGE 2 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			79.65	82.00	2.35		A4AV									
			82.00	83.90	1.90		P2PV									
			83.90	84.27	0.37		F3PV									
			84.27	90.50	6.23		P2GD									
			90.50	91.32	0.82		X3PV									
			91.32	91.93	0.61		F3PV									
			91.93	92.30	0.37		X3PV									
			92.30	94.02	1.72		P2PV									
			94.02	96.62	2.60		P2GR									
			96.62	102.05	5.43		P3PV									
			102.05	107.20	5.15		P2PV									
			107.20	107.60	0.40		S4PV									
			107.60	114.41	6.81		P2PV									
			114.41	123.75	9.34		P2GD									
			123.75	124.40	0.65		P3PV									
			124.40	124.60	0.20		F2PV									
			124.60	125.20	0.60		P2PV									
			125.20	125.50	0.30		F4PV									
			125.50	126.00	0.50		QV									
			126.00	126.72	0.72		F4PV									
			126.72	127.50	0.78		K3GR									
			127.50	128.06	0.56		F2PV									
			128.06	129.12	1.06		F4PV									
			129.12	130.60	1.48		K3GR									
			130.60	137.77	7.17		P2AV									
			137.77	140.72	2.95		K3GR									
			140.72	142.34	1.62		P2AV									
			11.25	11.75	0.50			69-1						5		
			12.75	13.25	0.50			69-2						2		
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-69 PAGE 3 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			23.10	24.10	1.00			69-3					0.004			
			24.10	24.60	0.50			69-4			0.001					1.9
			24.60	25.60	1.00			69-5					0.001			
			68.20	69.00	0.80			69-6						8		
			72.50	73.00	0.50			69-7						8		
			83.80	84.30	0.50			69-8						8		
			90.30	91.30	1.00			69-9					0.001			
			91.30	91.95	0.65			69-10			0.001					1.2
			91.95	92.95	1.00			69-11					0.001			
			124.40	125.50	1.10			69-12					0.003			
			125.50	126.00	0.50			69-13			2.457					159.0
			126.00	126.75	0.75			69-14			0.005					1.3
			126.75	127.75	1.00			69-15					0.001			
			138.35	138.85	0.50			69-16						3		

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-70 — PAGE: 1 OF: 3

AREA: Siwash North Zone — DIP: -65.00 — AZIMUTH (t): 0.5 — DEPTH: 99.67

CLAIM: ELK 21 — NORTHING: 3266.41 — DATE STARTED: OCT 20D, 1990

SECTION: 2405E — EASTING: 2402.62 — DATE FINISHED: OCT 21D, 1990

CORE SIZE: HQ — ELEVATION: 1635.75 — CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 97.98% — RQD: 78.93% — CORE STORED AT: ELK RACK "A" BAY 27 — LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-70 was drilled to test the grade and continuity of mineralization encountered in hole SND90-34. Several zones of phyllic alteration, one including two 15cm quartz veins, were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-65.00	0.5	0.00	1.22	1.22		CS									
50.90	-64.00	0.5	1.22	13.05	11.83		P1QM									
			13.05	17.73	4.68		QM									
			17.73	18.50	0.77		P2QM									
			18.50	19.02	0.52		K1QM									
			19.02	20.86	1.84		P2QM									
			20.86	26.45	5.59		QM									
			26.45	29.71	3.26		P1QM									
			29.71	30.32	0.61		MI									
			30.32	52.83	22.51		P1QM									
			52.83	53.20	0.37		S2QM									
			53.20	60.37	7.17		P1QM									
			60.37	60.60	0.23		K2QM									
			60.60	61.90	1.30		P1QM									
			61.90	62.40	0.50		A2QM									
			62.40	67.50	5.10		P1QM									
			67.50	69.81	2.31		K1QM									
			69.81	70.52	0.71		A2QM									
			70.52	75.29	4.77		P1QM									
			75.29	75.71	0.42		A3QM									
			75.71	75.88	0.17		F3QM									
			75.88	76.05	0.17		QV									
			76.05	76.53	0.48		GG									
			76.53	76.66	0.13		QV									
			76.66	76.85	0.19		F3QM									
			76.85	78.92	2.07		S2QM									
			78.92	79.64	0.72		F3QM									
			79.64	79.88	0.24		S2QM									
			79.88	87.15	7.27		P1QM									
			87.15	87.73	0.58		FKQM									
			87.73	89.10	1.37		P1QM									
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-70 PAGE 2 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			89.10	89.36	0.26		S3QM									
			89.36	89.70	0.34		P1QM									
			89.70	89.97	0.27		S3QM									
			89.97	90.74	0.77		P1QM									
			90.74	91.12	0.38		F3QM									
			91.12	91.55	0.43		P2QM									
			91.55	92.05	0.50		F3QM									
			92.05	92.92	0.87		S2QM									
			92.92	93.57	0.65		P2QM									
			93.57	94.01	0.44		A2QM									
			94.01	94.26	0.25		FKQM									
			94.26	95.08	0.82		P2QM									
			95.08	95.39	0.31		S3QM									
			95.39	99.67	4.28		P2QM									
			74.70	75.70	1.00			70-1					0.001			
			75.70	76.30	0.60			70-2			0.064					3.0
			76.30	76.90	0.60			70-3			0.048					4.9
			76.90	77.90	1.00			70-4					0.001			
			77.90	78.90	1.00			70-5					0.001			
			78.90	79.65	0.75			70-6			0.012					1.1
			79.65	80.65	1.00			70-7					0.001			
			87.15	87.75	0.60			70-8						32		
			89.70	90.75	1.05			70-9					0.001			
			90.75	91.40	0.65			70-10			0.146					4.7
			91.40	92.05	0.65			70-11			0.047					4.5
			92.05	93.05	1.00			70-12					0.002			
			93.90	94.40	0.50			70-13						590		
			95.05	95.85	0.80			70-14						380		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND90-71 | PAGE: 1 OF: 3

AREA: Siwash North Zone | DIP: -65.00 | AZIMUTH (t): 2.5 | DEPTH: 145.39

CLAIM: ELK 21 | NORTHING: 3215.64 | DATE STARTED: OCT 21N, 1990

SECTION: 2405E | EASTING: 2403.42 | DATE FINISHED: OCT 23D, 1990

CORE SIZE: HQ | ELEVATION: 1635.15 | CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 98.52% RQD: 77.12% | CORE STORED AT: ELK RACK "A" BAY 28 | LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-71 was drilled to test the grade and continuity of mineralization intersected in hole SND90-34 and -70. One major zone of phyllic alteration, including a 23cm quartz vein, and a few lesser intervals with small (to 6cm) veins, were encountered.

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-65.00	2.5	0.00	1.83	1.83		CS									
39.47	-65.00	2.5	1.83	7.42	5.59		A3QM									
109.42	-65.50	4.5	7.42	7.74	0.32		P3AD									
			7.74	23.13	15.39		A2QM									
			23.13	34.83	11.70		P2QM									
			34.83	35.20	0.37		FKQM									
			35.20	36.10	0.90		K1QM									
			36.10	36.74	0.64		P2QM									
			36.74	36.98	0.24		K2QM									
			36.98	39.97	2.99		P2QM									
			39.97	46.12	6.15		QM									
			46.12	49.80	3.68		P1QM									
			49.80	50.80	1.00		S2QM									
			50.80	52.00	1.20		K2QM									
			52.00	63.50	11.50		P2QM									
			63.50	78.33	14.83		P1QM									
			78.33	85.05	6.72		QM									
			85.05	85.95	0.90		P1QM									
			85.95	86.74	0.79		K1QM									
			86.74	88.60	1.86		S3QM									
			88.60	93.17	4.57		P2QM									
			93.17	95.00	1.83		QM									
			95.00	96.00	1.00		P1QM									
			96.00	98.45	2.45		QM									
			98.45	105.11	6.66		P1QM									
			105.11	105.54	0.43		P3QM									
			105.54	105.77	0.23		QV									
			105.77	106.30	0.53		S4QM									
			106.30	106.54	0.24		GG									
			106.54	106.89	0.35		P3QM									
			106.89	107.17	0.28		S3QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-71 PAGE 2 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			107.17	109.02	1.85		P1QM									
			109.02	109.62	0.60		S3QM									
			109.62	112.52	2.90		P2QM									
			112.52	113.89	1.37		K3QM									
			113.89	115.32	1.43		S1QM									
			115.32	115.77	0.45		P1QM									
			115.77	116.07	0.30		F3QM									
			116.07	116.55	0.48		P1QM									
			116.55	116.82	0.27		F2QM									
			116.82	119.91	3.09		P1QM									
			119.91	120.26	0.35		FKQM									
			120.26	127.05	6.79		P1QM									
			127.05	127.83	0.78		F4QM									
			127.83	128.39	0.56		S3QM									
			128.39	135.18	6.79		P1QM									
			135.18	136.18	1.00		FKQM									
			136.18	136.85	0.67		P1QM									
			136.85	137.63	0.78		FKQM									
			137.63	138.09	0.46		P1QM									
			138.09	138.84	0.75		FKQM									
			138.84	139.10	0.26		P1QM									
			139.10	145.39	6.29		QM									
			104.10	105.10	1.00			71-1			0.012		0.001			
			105.10	105.80	0.70			71-2			0.038					1.8
			105.80	106.50	0.70			71-3					0.001			
			106.50	107.00	0.50			71-4			0.002					2.6
			107.00	108.00	1.00			71-5					0.001			
			108.00	109.00	1.00			71-6					0.001			
			109.00	109.60	0.60			71-7			0.001					0.6
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND90-71 PAGE 3 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			109.60	110.60	1.00			71-8					0.001			
			114.65	115.65	1.00			71-9					0.003			
			115.65	116.15	0.50			71-10			0.009					0.3
			116.15	117.15	1.00			71-11					0.001			
			118.85	119.85	1.00			71-12					0.001			
			119.85	120.35	0.50			71-13			0.012					0.7
			120.35	121.35	1.00			71-14					0.001			
			126.00	127.00	1.00			71-15					0.001			
			127.00	127.85	0.85			71-16			0.037					4.4
			127.85	128.85	1.00			71-17					0.001			
			133.95	134.45	0.50			71-18						12		
			134.45	135.50	1.05			71-19					0.001			
			135.50	136.00	0.50			71-20			0.034					2.8
			136.00	137.10	1.10			71-21					0.001			
			137.10	137.60	0.50			71-22			0.733	0.384			0.810	22.7
			137.60	138.10	0.50			71-23					0.001			
			138.10	138.85	0.75			71-24			0.066				0.170	2.9
			138.85	139.85	1.00			71-25					0.001			

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND90-72 | PAGE: 1 OF 2

AREA: Siwash North Zone | DIP: -65.00 | AZIMUTH (t): 0.5 | DEPTH: 110.34

CLAIM: ELK 21 | NORTHING: 3349.35 | DATE STARTED: OCT 23D, 1990

SECTION: 2590E | EASTING: 2590.49 | DATE FINISHED: OCT 24N, 1990

CORE SIZE: HQ | ELEVATION: 1646.94 | CONTRACTOR: LECLERC D.D.

CORE RECOVERY: 97.36% RQD: 75.52% | CORE STORED AT: ELK RACK "A" BAY 29 | LOGGED BY: PAUL CONROY

COMMENTS: Hole SND90-72 was drilled to test the grade and continuity of mineralization encountered in hole SND90-49. Two zones of phyllic alteration, the upper containing a 24cm quartz vein with visible gold, were intersected.

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
0.0	-65.00	0.5	0.00	1.22	1.22		CS									
27.28	-64.00	0.5	1.22	3.80	2.58		A40M									
80.47	-64.00	0.5	3.80	5.36	1.56		P40M									
			5.36	15.10	9.74		P20M									
			15.10	21.00	5.90		P10M									
			21.00	28.95	7.95		P20M									
			28.95	35.50	6.55		P10M									
			35.50	40.40	4.90		P20M									
			40.40	40.70	0.30		AP									
			40.70	47.00	6.30		P20M									
			47.00	47.47	0.47		K10M									
			47.47	60.16	12.69		P20M									
			60.16	61.14	0.98		S30M									
			61.14	72.43	11.29		P20M									
			72.43	72.64	0.21		S30M									
			72.64	73.31	0.67		F40M									
			73.31	73.52	0.21		QV									
			73.52	73.76	0.24		F30M									
			73.76	76.12	2.36		K20M									
			76.12	78.33	2.21		P20M									
			78.33	78.80	0.47		P30M									
			78.80	82.71	3.91		P20M									
			82.71	82.97	0.26		FKQM									
			82.97	91.70	8.73		P20M									
			91.70	92.00	0.30		FKQM									
			92.00	94.79	2.79		P20M									
			94.79	95.64	0.85		F30M									
			95.64	106.70	11.06		P20M									
			106.70	106.91	0.21		K10M									
			106.91	108.80	1.89		P20M									
			108.80	110.34	1.54		S30M									
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND90-72 — PAGE: 2 OF: 2

AREA: — DIP: — AZIMUTH (t): — DEPTH:
CLAIM: — NORTHING: — DATE STARTED:
SECTION: — EASTING: — DATE FINISHED:
CORE SIZE: — ELEVATION: — CONTRACTOR:
CORE RECOVERY: — CORE STORED AT: — LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			60.15	61.15	1.00			72-1						120		
			71.65	72.65	1.00			72-2					0.001			
			72.65	73.15	0.50			72-3			0.011					1.6
			73.15	73.65	0.50			72-4			0.268	0.299			0.730	24.4
			73.65	74.65	1.00			72-5					0.001			
			91.60	92.10	0.50			72-6						94		
			93.70	94.70	1.00			72-7					0.001			
			94.70	95.20	0.50			72-8			0.577	0.421			0.940	26.4
			95.20	95.70	0.50			72-9			0.985	0.792				11.6
			95.70	96.70	1.00			72-10					0.001			
			108.80	109.60	0.80			72-11						8		
			109.60	110.34	0.74			72-12						8		

MAGNETOMETER AND VLF-EM

SURVEY

ON THE

AGUR OPTION AREA

ELK PROJECT

FOR

CORDILLERAN ENGINEERING LTD.

AND

FAIRFIELD MINERALS LTD.

SURVEY BY

SJ GEOPHYSICS LTD.

SIMILKAMEEN, M.D. N.T.S. 92H/9&16

DECEMBER 1990

Report By
Todd A. Ballantyne
Syd J. Visser
SJ Geophysics Ltd.

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUN 26 1990
DATE REPORT MAILED: July 5/90.

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK/D90-3 FILE # 90-1992

1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9

SAMPLE#	AU* ppb
SND9013-8	2
SND9013-9	7
SND9013-10	6
SND9013-11	490
SND9013-12	3
SND9013-21	62
SND9013-22	2
SND9013-26	2
SND9014-1	14
SND9014-2	3
SND9014-3	3
SND9014-4	6
SND9014-18	4
SND9014-19	19
SND9014-20	80
SND9014-21	6
SND9014-22	2
SND9014-23	6
SND9014-24	3
SND9014-25	6
SND9014-26	4
STANDARD AU-R	510

- SAMPLE TYPE: Core

AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY..... D.TOYE,

C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK/D90-3 File # 90-1992A

1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
ND9013-2	1	272	80	97	3.2	9	13	1707	4.58	30	5	3	8	12	1.6	2	2	16	.55	.080	21	24	.31	55	.04	6	.79	.03	.34	7
ND9013-4	3	459	25	91	7.1	10	9	1503	6.81	29	5	8	5	26	2.1	2	2	6	1.41	.071	8	40	.25	27	.01	2	.49	.01	.29	18
ND9013-5	3	1029	16	80	4.7	15	8	1271	5.27	19	5	7	7	25	1.9	2	5	22	1.02	.085	15	42	.46	67	.03	5	.95	.04	.32	16
ND9013-7	2	39	11	35	1.7	9	11	1027	4.62	6	5	ND	7	26	.8	2	2	31	1.07	.092	17	38	.60	81	.09	6	1.00	.05	.45	13
ND9013-14	2	249	15	87	.6	14	9	1257	4.28	44	5	ND	7	11	3.8	2	2	18	.42	.087	18	34	.32	84	.05	9	.84	.04	.30	13
ND9013-15	2	263	21	101	.4	16	9	1380	3.71	55	5	ND	7	9	2.2	2	2	11	.35	.076	15	43	.19	86	.02	7	.66	.02	.30	13
ND9013-16	3	3435	101	184	35.5	18	11	779	6.71	153	5	21	5	11	5.1	3	4	4	.17	.048	9	53	.05	27	.01	5	.42	.01	.24	30
ND9013-19	2	81	19	57	1.3	12	7	1591	3.27	32	5	2	6	56	.7	2	2	9	1.84	.070	15	42	.47	174	.01	5	.43	.03	.24	16
ND9013-24	12	465	226	205	35.2	15	22	650	10.79	148	5	22	4	14	6.1	7	2	3	.54	.042	7	48	.16	13	.01	2	.31	.01	.23	24
ND9014-6	2	142	57	153	.9	10	8	1319	4.30	57	5	ND	7	12	1.5	2	2	15	.36	.078	17	34	.21	70	.02	2	.56	.03	.24	13
ND9014-8	3	218	539	256	1.3	10	9	1645	4.76	83	60	ND	8	11	4.4	4	2	15	.32	.076	16	27	.16	50	.01	3	.60	.02	.25	13
ND9014-12	3	396	131	140	2.2	11	8	1164	4.99	85	5	ND	7	6	2.0	2	2	7	.26	.074	14	43	.11	42	.01	7	.45	.01	.28	21
ND9014-15	3	212	306	241	1.9	10	10	1438	4.38	386	5	ND	7	10	3.3	3	2	11	.29	.075	18	32	.13	48	.01	2	.44	.02	.23	15
ND9014-16	6	572	402	1110	113.6	14	12	129	11.88	293	5	165	1	1	29.2	6	44	1	.05	.014	2	52	.01	7	.01	2	.09	.01	.10	26
TANDARD C	17	58	40	129	7.2	70	32	1019	3.74	40	15	7	37	52	18.4	15	20	55	.49	.094	36	57	.87	179	.07	33	1.79	.06	.14	14

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core

DATE RECEIVED: JUN 26 1990 DATE REPORT MAILED: July 5/90. SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUN 26 1990
DATE REPORT MAILED: July 5/90.

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK/D90-3 FILE # 90-1992A Page 1

1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9

SAMPLE#	Au** oz/t
SND9013-1	.006
SND9013-3	.001
SND9013-6	.001
SND9013-13	.001
SND9013-17	.001
SND9013-18	.001
SND9013-20	.001
SND9013-23	.001
SND9013-25	.001
SND9014-5	.001
SND9014-7	.001
SND9014-9	.001
SND9014-10	.001
SND9014-11	.001
SND9014-13	.001
SND9014-14	.001
SND9014-17	.001

AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Core

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SND9013-2	1000	.059	.11	.062
SND9013-4	1220	.191	.18	.195
SND9013-5	1050	.369	1.25	.404
SND9013-7	1100	.036	.11	.039
SND9013-14	1090	.005	ND	.005
SND9013-15	1050	.006	ND	.006
SND9013-16	1040	.734	2.59	.807
SND9013-19	1020	.031	.19	.037
SND9013-24	1250	.603	.59	.617
SND9014-6	1100	.009	.01	.009
SND9014-8	1050	.002	ND	.002
SND9014-12	1290	.013	.02	.014
SND9014-15	1440	.025	.02	.025
SND9014-16	1320	5.050	37.04	5.868

-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Core

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANAL CAL LABORATORIES LTD. 852 E. HASTINGS ST. V/ OUVER B.C. V6A 1R6

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-43 File # 90-5584

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: PAUL CONROY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	AG** oz/t	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SND90-67-2	3	191	57	154	3.5	6	7	1722	3.55	68	5	ND	8	35	3.4	2	2	23	1.44	.071	20	13	.39	79	.03	3	1.06	.04	.28	1	.13	1100	.041	.05	.042
SND90-67-8	4	209	13	138	.4	23	14	2230	8.52	166	5	ND	9	20	.5	2	2	38	.65	.207	32	13	.51	36	.04	5	1.65	.03	.36	1	-	1050	.003	ND	.003
SND90-67-11	5	207	6072	530	5.0	16	15	1520	6.80	373	5	ND	6	27	16.4	2	2	33	.72	.236	32	18	.30	49	.07	4	1.16	.02	.54	1	-	1100	.036	ND	.036
SND90-67-14	2	1553	5089	1035	5.6	26	24	3805	8.95	560	5	ND	4	24	13.4	5	2	51	.86	.214	34	13	.24	53	.01	7	1.12	.02	.36	1	.13	1100	.011	ND	.011
SND90-67-17	4	146	221	252	4.1	29	19	2115	6.25	244	5	ND	6	24	.8	2	2	42	.71	.196	38	30	.22	43	.02	4	.81	.02	.22	1	-	1050	.027	ND	.027
SND90-68-4	5	86	23	39	10.7	9	5	1152	3.13	48	5	3	6	25	.2	2	2	15	.83	.056	14	25	.31	89	.05	2	.72	.06	.30	1	-	1150	.110	.52	.123
SND90-68-9	2	48	9	78	.6	11	10	2492	4.97	24	5	ND	16	17	.4	2	2	20	.71	.205	49	9	.33	38	.03	3	.84	.03	.34	1	-	1100	.001	ND	.001
SND90-68-12	3	63	223	471	1.3	12	10	2138	4.94	28	5	ND	8	36	2.1	2	2	57	.81	.167	39	21	.30	46	.04	6	1.18	.07	.23	1	-	1000	.006	.05	.008
SND90-68-15	7	340	67	425	9.2	28	32	3867	14.04	147	5	2	6	24	5.2	2	3	64	.76	.129	31	18	.59	28	.01	4	.73	.03	.21	1	.25	1200	.070	ND	.070
SND90-69-4	4	37	94	214	1.9	7	6	2502	3.44	20	5	ND	8	46	2.9	2	2	8	1.59	.068	17	17	.40	427	.01	5	.59	.02	.25	1	-	1100	.001	ND	.001
SND90-69-10	3	173	97	135	1.2	11	13	2657	7.13	88	10	ND	12	26	1.9	2	2	48	.88	.258	53	10	.34	45	.04	3	.86	.03	.20	1	-	1250	.001	ND	.001
SND90-69-13	7	70	166	31	159.0	15	15	209	16.54	157	5	79	3	2	.5	2	50	3	.07	.023	3	36	.01	6	.01	2	.14	.01	.10	1	-	1400	2.325	6.33	2.457
SND90-69-14	3	200	157	348	1.3	16	9	2416	7.37	123	5	ND	10	24	2.4	2	2	28	.75	.203	38	13	.35	35	.02	7	.86	.02	.31	1	-	1200	.005	ND	.005
SND90-70-2	10	135	414	309	3.0	13	3	558	2.07	58	5	2	10	12	6.0	4	2	2	.05	.011	12	34	.02	25	.01	3	.29	.01	.18	1	-	1200	.057	.29	.064
SND90-70-3	8	104	190	50	4.9	12	3	201	1.72	48	5	ND	8	31	.8	3	4	1	.05	.009	7	33	.02	21	.01	2	.24	.01	.17	1	-	1200	.033	.61	.048
SND90-70-6	8	112	85	53	1.1	11	3	702	1.86	28	5	ND	12	10	.4	2	2	2	.06	.018	12	30	.03	30	.01	3	.34	.01	.22	1	-	1150	.012	ND	.012
SND90-70-10	7	261	134	72	4.7	10	3	534	2.37	58	5	ND	11	11	1.2	3	3	3	.08	.019	15	27	.05	80	.01	2	.31	.02	.16	1	-	1100	.096	1.89	.146
SND90-70-11	6	401	211	274	4.5	10	2	756	3.65	94	5	ND	11	4	7.4	2	2	2	.07	.019	8	28	.04	28	.01	3	.34	.01	.22	1	-	1400	.043	.19	.047
STANDARD C	18	57	36	130	6.9	72	31	1053	3.97	40	16	7	40	52	19.9	15	18	58	.46	.094	39	59	.90	176	.07	32	1.90	.06	.14	13	-	-	-	ND	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE

DATE RECEIVED: OCT 29 1990 DATE REPORT MAILED: Nov 2/90. SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-1716 FAX(604)253-3158

DATE RECEIVED: OCT 29 1990
DATE REPORT MAILED: Nov. 2/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-43 FILE # 90-5584
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	AU* ppb
SND90-67-4	250
SND90-67-5	49
SND90-67-6	56
SND90-68-1	12
SND90-68-2	10
SND90-68-6	2
SND90-68-7	3
SND90-69-1	5
SND90-69-2	2
SND90-69-6	8
SND90-69-7	8
SND90-69-8	8
SND90-69-16	3
SND90-70-8	32
SND90-70-13	590
SND90-70-14	380
STANDARD AU-R	530

SAMPLE#	Au** oz/t
SND90-67-1	.001
SND90-67-3	.001
SND90-67-7	.001
SND90-67-9	.001
SND90-67-10	.001
SND90-67-12	.001
SND90-67-13	.001
SND90-67-15	.001
SND90-67-16	.001
SND90-67-18	.001
SND90-68-3	.001
SND90-68-5	.001
SND90-68-8	.001
SND90-68-10	.002
SND90-68-11	.001
SND90-68-13	.001
SND90-68-14	.004
SND90-68-16	.001
SND90-69-3	.004
SND90-69-5	.001
SND90-69-9	.001
SND90-69-11	.001
SND90-69-12	.003
SND90-69-15	.001
SND90-70-1	.001
SND90-70-4	.001
SND90-70-5	.001
SND90-70-7	.001
SND90-70-9	.001
SND90-70-12	.002
STANDARD AU-1	.101

- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUL 30 1990
DATE REPORT MAILED: Aug 8/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-12 FILE # 90-3032
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	AU* ppb
SND90-29-1	8
SND90-29-5	6
SND90-29-11	25
SND90-29-12	98
SND90-30-1	5
SND90-30-19	13
SND90-30-23	2
STANDARD AU-R	530

- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUL 30 1990
DATE REPORT MAILED: Aug 8/90

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-12 FILE # 90-3032A
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: PAUL CONROY

SAMPLE#	Au** oz/t
SND90-29-2	.001
SND90-29-4	.001
SND90-29-6	.001
SND90-29-10	.002
SND90-30-2	.001
SND90-30-5	.001
SND90-30-6	.001
SND90-30-9	.001
SND90-30-10	.001
SND90-30-12	.001
SND90-30-14	.001
SND90-30-15	.002
SND90-30-16	.001
SND90-30-18	.001
SND90-30-20	.002
SND90-30-22	.005
STANDARD AU-1	.105

AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Core

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL/ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK D90-12 File # 90-3032A
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Submitted by: PAUL CONROY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SDN90-29-3	2	353	1138	4291	4.3	8	3	461	1.23	59	8	ND	10	17	74.2	2	2	2	.12	.011	13	29	.03	85	.01	4	.25	.02	.14	9	1200	.021	ND	.021
SDN90-29-7	8	1789	5939	8451	63.6	13	4	117	6.25	585	8	51	5	4	153.6	218	33	1	.03	.007	4	43	.01	11	.01	4	.16	.01	.13	23	1050	1.533	7.89	1.752
SDN90-29-8	3	1399	286	112	20.6	9	2	75	2.84	96	5	3	7	1	3.2	64	2	1	.02	.005	3	37	.01	15	.01	2	.19	.01	.16	21	1200	.176	2.73	.242
SDN90-29-9	3	347	248	161	4.1	8	2	588	3.51	167	5	ND	10	2	4.4	43	2	1	.07	.021	5	37	.01	24	.01	2	.24	.01	.18	18	1200	.070	.07	.072
SDN90-30-3	3	235	119	43	2.4	7	2	84	2.11	142	6	ND	10	3	1.0	3	3	1	.04	.010	7	39	.01	17	.01	7	.24	.01	.19	21	1100	.003	ND	.003
SDN90-30-4	4	132	215	750	13.2	17	4	83	3.33	318	6	2	6	9	21.0	2	9	1	.05	.012	5	56	.01	16	.01	2	.19	.01	.15	22	1000	.034	.04	.035
SDN90-30-7	2	53	79	68	.3	7	2	528	1.44	32	6	ND	11	9	1.1	2	2	1	.06	.014	13	31	.01	42	.01	4	.21	.01	.16	16	1050	.003	ND	.003
SDN90-30-8	2	73	65	47	2.6	6	6	340	12.22	319	6	ND	8	3	.2	4	2	1	.04	.015	3	25	.01	12	.01	3	.18	.01	.16	9	1000	.035	.21	.041
SDN90-30-11	3	120	86	39	.5	6	2	403	1.85	57	5	ND	10	11	.3	2	2	4	.10	.018	11	31	.04	54	.01	2	.24	.02	.14	16	1050	.003	ND	.003
SDN90-30-13	3	139	116	122	.4	6	3	845	2.26	43	5	ND	11	7	.8	2	2	2	.08	.020	12	29	.02	46	.01	2	.19	.01	.14	12	1200	.006	ND	.006
SDN90-30-17	3	53	90	61	.7	6	2	710	1.72	529	5	ND	12	14	.6	2	2	2	.07	.018	12	33	.02	93	.01	3	.22	.01	.15	17	1100	.007	ND	.007
SDN90-30-21	2	82	46	67	1.3	6	3	784	2.16	30	5	ND	11	27	.5	2	2	4	.08	.022	16	25	.03	175	.01	2	.23	.02	.10	11	1150	.006	ND	.006
STANDARD C	19	62	43	135	7.2	72	31	1058	3.98	40	16	7	36	53	18.9	16	21	57	.52	.096	38	59	.89	181	.08	37	1.89	.06	.13	13	-	-	ND	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Core

DATE RECEIVED: JUL 30 1990 DATE REPORT MAILED: Aug 8/90 SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 2 1990

DATE REPORT MAILED: Aug. 10/90.

ASSAY CERTIFICATE

AUG 10 90

Cordilleran Engineering Ltd. PROJECT ELK T90-5 FILE # 90-2239R

1980 - 1055 W. Hastings St., Vancouver BC

SAMPLE#	AU** oz/t
SN902-27P	.125

- SAMPLE TYPE: Rock Pulp AU** BY FIRE ASSAY FROM 1 A.T.

SIGNED BY..C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 3 1990

DATE REPORT MAILED: Aug. 13/90

ASSAY CERTIFICATE

Cordilleran Engineering Ltd. PROJECT ELK T90-5 FILE # 90-2239R2

1980 - 1055 W. Hastings St., Vancouver BC

AUG 13 90

SAMPLE#	SAMPLE wt. gm	AU-100 oz/t	NATIVE Au mg	AVG. oz/t
SN902-43P	1050	.245	2.08	.303

-100 MESH AU BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Rejects

SIGNED BY..C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

MAGNETOMETER AND VLF-EM

SURVEY

ON THE

AGUR OPTION AREA

ELK PROJECT

FOR

CORDILLERAN ENGINEERING LTD.

AND

FAIRFIELD MINERALS LTD.

SURVEY BY

SJ GEOPHYSICS LTD.

SIMILKAMEEN, M.D. N.T.S. 92H/9&16

DECEMBER 1990

Report By
Todd A. Ballantyne
Syd J. Visser
SJ Geophysics Ltd.

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INTRODUCTION

A magnetometer and VLF-EM survey was completed by SJ Geophysics Ltd. for Fairfield Minerals Ltd., at the request of Cordilleran Engineering Ltd., on the Agur Option Area, Elk Project. The Agur Option Area is located near Merrit, B.C. in the Similkameen, M.D. (N.T.S. 92H/9&16).

The purpose of the survey was to search for sulphides, to aid in the location of shear zones which may have associated mineralization, and to aid in the mapping of local geology.

INSTRUMENTATION AND FIELD WORK

The field work was performed by Todd Ballantyne (Geophysicist) during the period of September 18 to October 1 which includes, 11 production days, 2 standby days due weekly VLF station shutdown, and 1 mobilization day. A total of approximately 50 Km, with stations every 12.5M along mainly flagged lines, were surveyed by magnetometer and VLF-EM.

An EDA OMNI PLUS combined proton precession magnetometer and VLF-EM system was used for data acquisition and an EDA OMNI IV proton precession magnetometer was used as a base station. The VLF-EM survey used the transmitting signals from Annapolis (NSS, 21.4 Khz) and Seattle (NLK, 24.8 Khz). The direction of the VLF-EM survey is positive north and positive east.

All the data was entered into a field computer in the evening and field plots generated on a dot matrix printer. The data was later plotted on mylar, using a 36 inch pen plotter.

DATA PRESENTATION

The Magnetic data, VLF-EM data, filtered VLF-EM data (using a standard four point Fraser filter), and compilation of the magnetic and VLF-EM data are presented on the following Plates:

Plate G1A	Magnetometer Survey Total Field Profiles
Plate G1B	Magnetometer Survey Total Field Contours
Plate G2A	VLF-EM Survey (Annapolis) Dip Angle & Quadrature Profiles
Plate G2B	VLF-EM Survey (Annapolis) Fraser Filtered Profiles
Plate G2C	VLF-EM Survey (Annapolis) Fraser Filtered Contours
Plate G3A	VLF-EM Survey (Seattle) Dip Angle & Quadrature Profiles
Plate G3B	VLF-EM Survey (Seattle) Fraser Filtered Profiles
Plate G3C	VLF-EM Survey (Seattle) Fraser Filtered Contours
Plate G4	Magnetometer & VLF-EM Survey Compilation Map

INTERPRETATION

The magnetic and VLF-EM survey indicates a variation of magnetic intensity from the north west to the east and south and a number of coincidental magnetic lows (lineations) and VLF-EM anomalies.

The magnetic intensity varies approximately 900nT in the majority of the survey area. Two localized magnetic highs, one at approximately 1300S on line 1950E, which is likely cultural, and one at the south end of line 1500E, appears to be the end of a magnetic anomaly seen on line

1600E give the appearance that the magnetic intensity varies approximately 1500nT.

The magnetic intensity, with the exception of localized areas as shown on the compilation map (Plate G4), grades slowly from the magnetic high area in the north western part of the grid to the low magnetic areas in the east and southern part of the grid. The above suggests a possible magnetic intrusive source with the depth of the source increasing to the east and the south and/or a gradational contact near the central part of the grid. The localized areas marked as M1, M2, M3 and M4 on the compilation map, especially M1, show a sharp contact between the magnetic high areas and the magnetic lows therefore suggesting that these may be localized acidic intrusives or fault contact sediments.

There are a number of prominent magnetic lineations which are explained further during the discussion of the VLF-EM. The numerous weak short wavelength magnetic anomalies are not individually discussed in this report. To aid in determining the relationship of these anomalies and improve the interpretation of the long wavelength anomalies considerable time would have to be allocated to filtering and comparing the data to the known geology which is beyond the scope of this report.

The VLF-EM indicates a number of good anomalies labelled V1 to V8, which are discussed individually and numerous weak anomalies as shown on the compilation map G4. Most of the VLF-EM anomalies appear to be associated with magnetic lows (lineations) or near a magnetic contact. The magnetic lows likely indicate a depletion of magnetite along fault or shear zones and may indicate a concentration of sulphide mineralization along these zones.

Anomaly V1 is a fairly strong anomaly that corresponds to the southern contact of the elevated magnetic intensity. This anomaly is cut of to the east by an possible cross-

structure and is very weak on the most westerly line but open to the west.

Anomaly V2 and the short strike length anomaly V5 are along the sharp contact of a magnetic low and therefore should be thoroughly investigated for possible mineralization although they may be due to a change in resistivity between the two rock units.

Anomaly V3 is a distinct anomaly that is striking across the length of the grid. This anomaly is associated with a well defined magnetic lineation (low) and therefore is likely a fault or shear zone that may be mineralized. The weak VLF-EM anomaly to the south of V3, in the western part of the grid appears to be very similar to anomaly V3 except that it is a much weaker anomaly.

Anomaly V4 is a well defined short strike length anomaly which appears to be associated with a weak magnetic low.

Anomaly V6 appears to be a conductor or conductive zone striking parallel to the line from approximately 1450 to 1200S. This anomaly may possible be due to culture. The magnetic anomaly on line 1950E at 1300S which is also suspected to be cultural reinforces this interpretation.

Anomaly V7 is associated with a magnetic anomaly that appears on the extreme south eastern part of the grid. This anomaly should be investigated further to determine if the grid should be extended to the east and south.

Anomaly V8 is a medium strength anomaly which is only seen on the data from Annapolis (poor coupling with Seattle because of strike direction). This anomaly does not appear to be directly related to any magnetic features.

The remainder numerous very weak VLF-EM anomalies are likely due to changes in overburden thickness, local dykes, topography or very weakly conductive fault or shear zones.

CONCLUSION

The magnetic data indicates a gradual variation in magnetic intensity decreasing from the north west to the east and south likely indicating a intrusive source with higher magnetite content to the north west or a gradational contact near the center of the survey area.

Most of the VLF-EM anomalies located in the survey area correlate very closely to a magnetic lineation (low) which indicates a depletion of magnetite and possible an concentration of sulphides near a fault or shear zone. The remaining VLF-EM anomalies generally correlate with a sharp magnetic contact.

Todd A. Ballantyne, B.Sc.,
Geophysicist

SJ Geophysics Ltd.

Syd J. Visser, B.Sc.,FGAC
Geophysicist

SJ Geophysics Ltd.

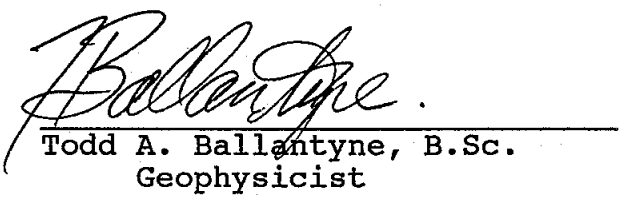
APPENDIX I

STATEMENT OF QUALIFICATIONS

I, Todd A. Ballantyne, of 3721 West 31st Avenue, Vancouver, British Columbia, hereby certify that,

1) I am a graduate from the University of British Columbia, 1988, where I obtained a B.Sc. Degree in Geophysics.

2) I have been engaged in mining exploration since 1987.



Todd A. Ballantyne, B.Sc.
Geophysicist

STATEMENT OF QUALIFICATIONS

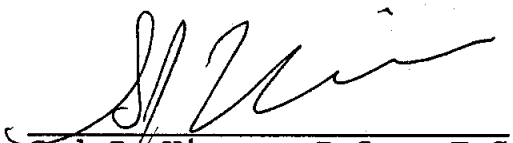
I, Syd J. Visser, of 11762 - 94th Avenue, Delta, British Columbia, hereby certify that,

1) I am a graduate from the University of British Columbia, 1981, where I obtained a B.Sc. (Hon.) Degree in Geology and Geophysics.

2) I am a graduate from Haileybury School of Mines, 1971.

3) I have been engaged in mining exploration since 1968.

4) I am Fellow of the Geological Association of Canada.



Syd J. Visser, B.Sc., F.G.A.C.
Geophysicist

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,443

FAIRFIELD MINERALS LTD.
CORDILLERAN ENGINEERING LTD.

ELK PROJECT
AGUR OPTION AREA
VLF - EM SURVEY
FRASER FILTER PROFILES

SIMILKAMEEN, M.O. N.T.S: 92H/9&16

SCALE 1:5000

100 0 100 200 300
METRES

PLATE G3B

SEPTEMBER 1990

LEGEND

PROFILES POSITIVE LEFT
SURVEY DIRECTION FACING NORTH
FRASER FILTER PROFILES - SOLID LINE
  PROFILE SCALE: 20% / CM
  BASE VALUE: 0%
TOTAL FIELD PROFILES - DASHED LINE
  PROFILE SCALE: 40 UNITS / CM
  BASE VALUE: 300 UNITS
INSTRUMENTATION:
  EDA OMNI PLUS VLF-EM SYSTEM
STATION: NLK 24.8 KHZ (SEATTLE)
NOTE:
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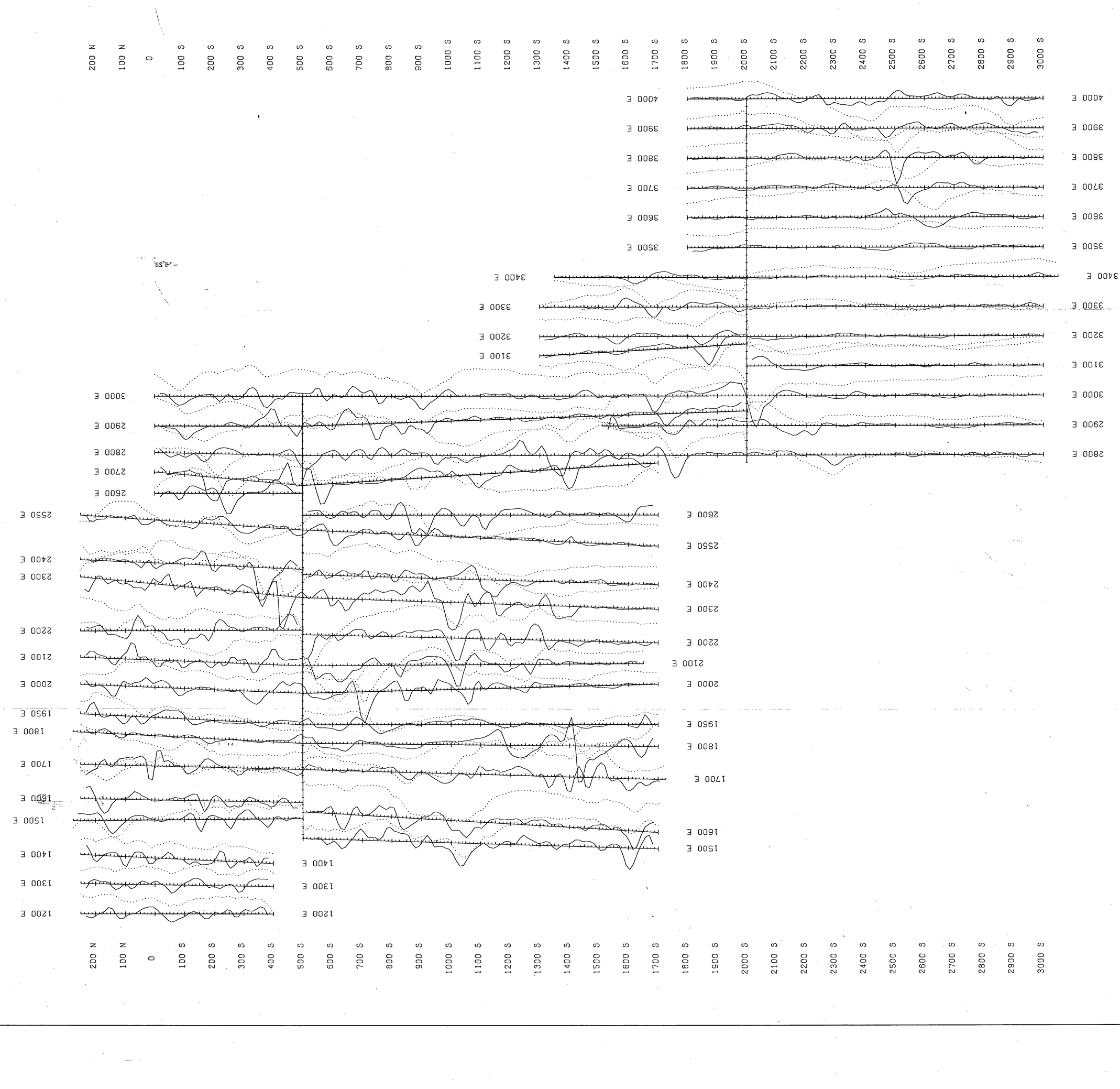
  L1500E 500S-250N SHIFTED 25M NORTH



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AGUR OPTION AREA
VLF - EM SURVEY
DIP ANGLE & QUADRATURE PROFILES

SIMILKAMEEN, M.D. N.T.S: 92H/9&16

SCALE 1:5000

100 0 100 200 300
METRES

SEPTEMBER 1990

PLATE G3A

LEGEND

PROFILES POSITIVE LEFT
SURVEY DIRECTION FACING NORTH
DIP ANGLE - SOLID LINES
PROFILE SCALE: 25% / CM
BASE VALUE: 0%
QUADRATURE - DASHED LINES
PROFILE SCALE: 25% / CM
BASE VALUE: 0%
INSTRUMENTATION:
EDA OMNI PLUS VLF-EM SYSTEM
STATION: NLK 24.8 KHZ (SEATTLE)
NOTE:
L3400E 3000S-1300S SHIFTED 50M SOUTH
L1500E 500S-250N SHIFTED 25M NORTH

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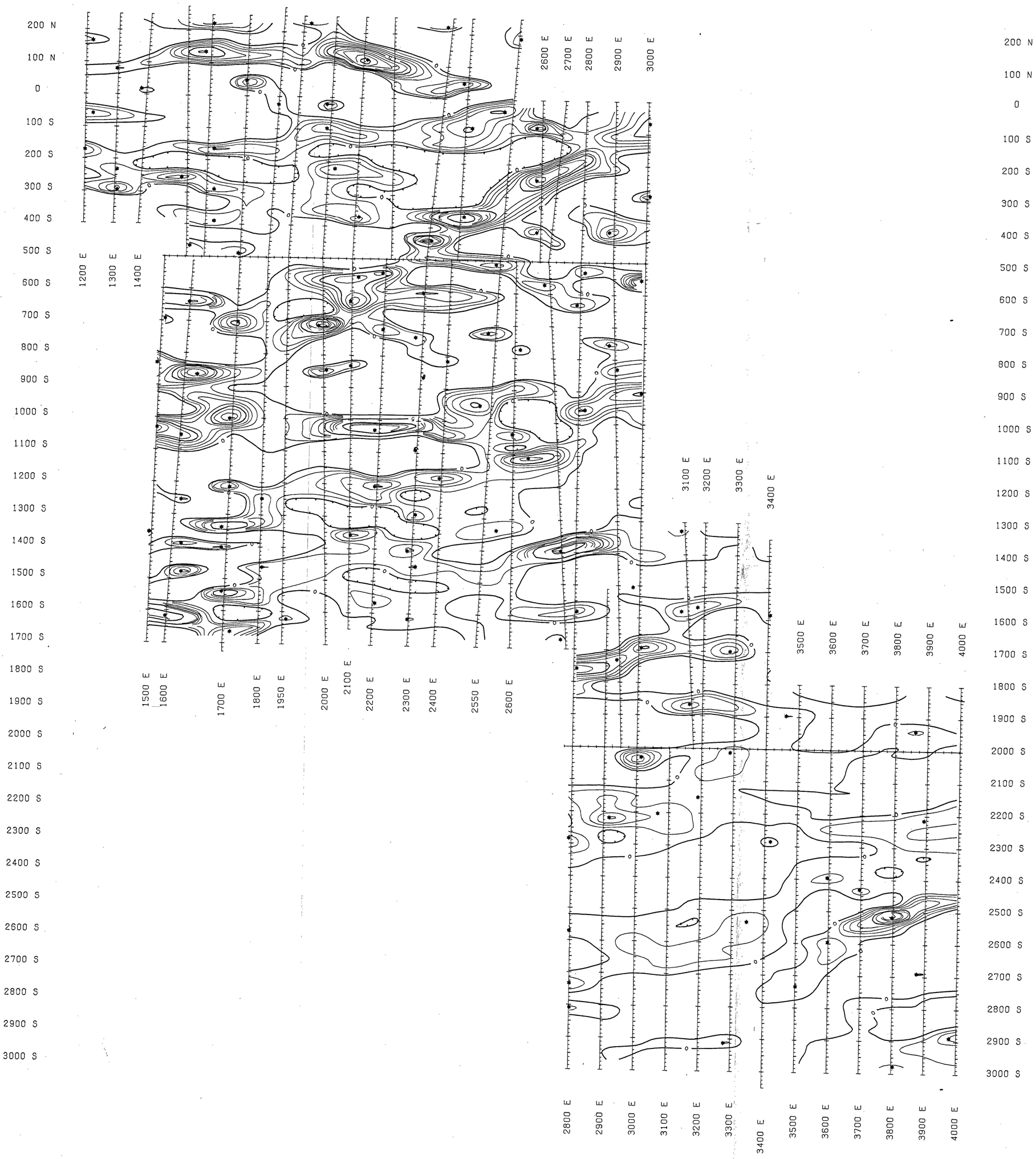

LEGEND

NEGATIVE CONTOURS SUPPRESSED
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LABELLED INTERVAL: 15%
MINIMUM VALUE: 0
MAXIMUM VALUE: 42%
STATION: NSS 21.4 KHZ (ANNAPOLIS)
SURVEY DIRECTION FACING NORTH
INSTRUMENTATION:
EDA OMNI PLUS VLF-EM SYSTEM

NOTE:
L3400E 3000S-1300S SHIFTED 50M SOUTH
L1500E 500S-250N SHIFTED 25M NORTH

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ELK PROJECT
AGUR OPTION AREA
VLF - EM SURVEY
FRASER FILTER CONTOURS

SIMILKAMEEN, M.D. N.T.S: 92H/9&16

SCALE 1:5000

100 0 100 200 300

METRES

SEPTEMBER 1990

PLATE G2C

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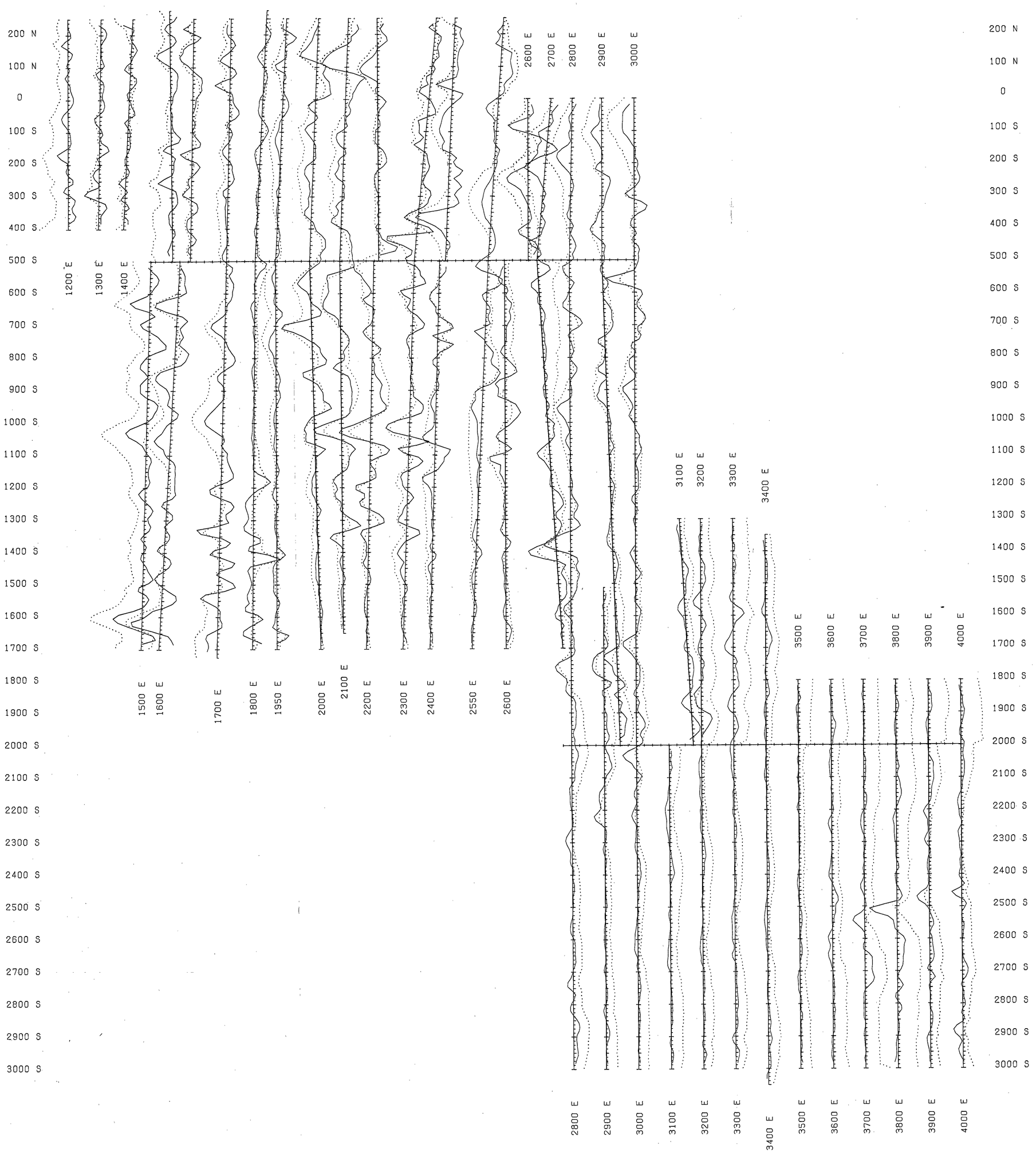
ASSESSMENT REPORT



LEGEND

PROFILES POSITIVE LEFT
SURVEY DIRECTION FACING NORTH
FRASER FILTER PROFILES - SOLID LINE
  PROFILE SCALE: 25% / CM
  BASE VALUE: 0%
TOTAL FIELD PROFILES - DASHED LINE
  PROFILE SCALE: 2 UNITS / CM
  BASE VALUE: 10 UNITS
INSTRUMENTATION:
  EDA OMNI PLUS VLF-EM SYSTEM
STATION: NSS 21.4 (ANNAPOLIS)
NOTE:
  L3400E 3000S-1300S SHIFTED 50M SOUTH
  L1500E 500S-250N SHIFTED 25M NORTH

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ELK PROJECT
AGUR OPTION AREA
VLF - EM SURVEY
FRASER FILTER PROFILES

SIMILKAMEEN, M.D. N.T.S: 92H/9&16

SCALE 1:5000

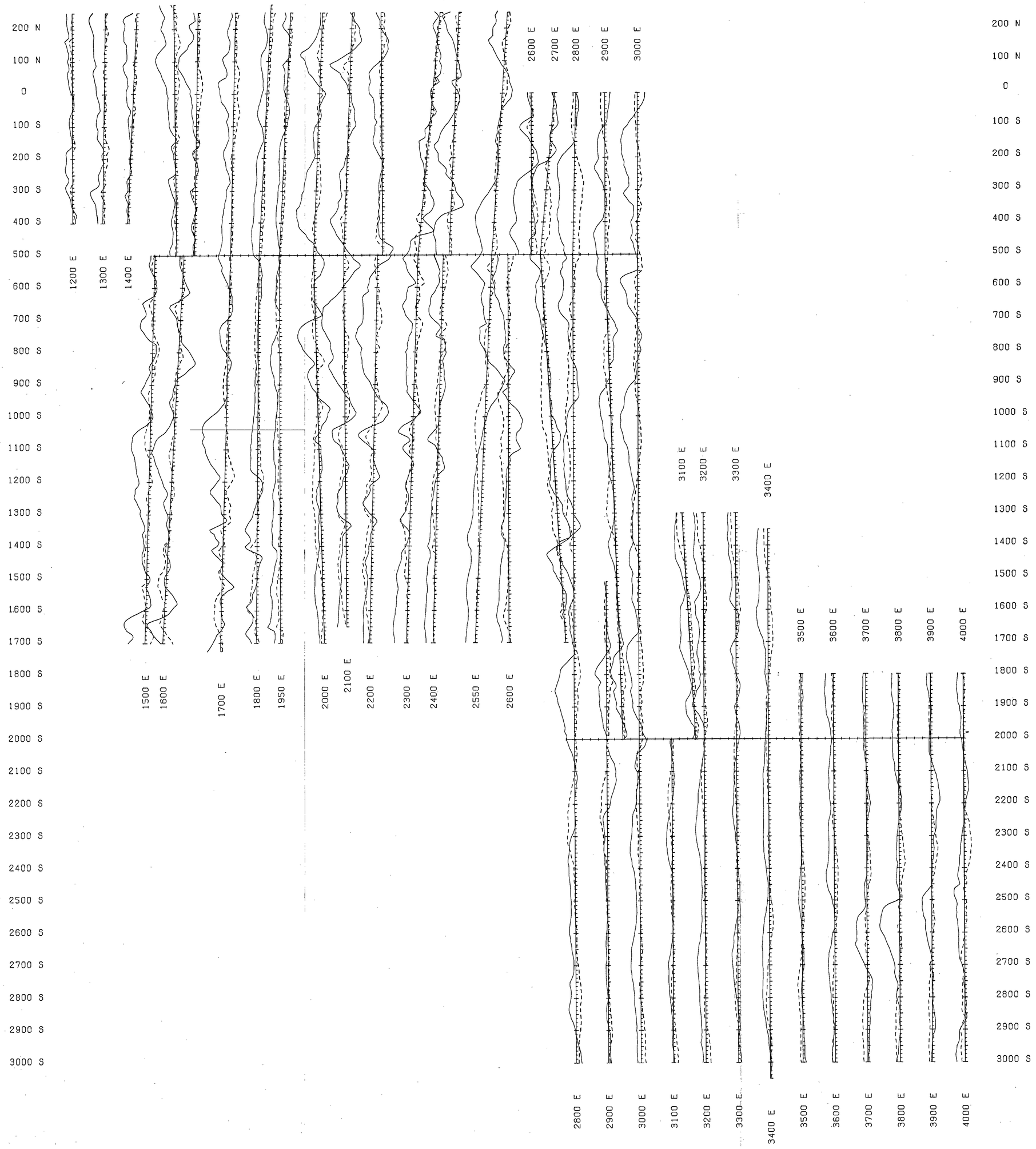
100 0 100 200 300

METRES

SEPTEMBER 1990

PLATE G2B

SJ GEOPHYSICS LTD.



LEGEND

PROFILES POSITIVE LEFT
DIP ANGLE - SOLID LINES
PROFILE SCALE: 25% / CM
BASE VALUE: 0%
QUADRATURE - DASHED LINES
PROFILE SCALE: 25% / CM
BASE VALUE: 0%

INSTRUMENTATION:
EDA OMNI PLUS VLF-EM SYSTEM
STATION: NSS 21.4 KHZ (ANNAPOLIS)
SURVEY DIRECTION FACING NORTH
NOTE: L3400E 3000S-1300S SHIFTED 50M SOUTH
L1500E 500S-250N SHIFTED 25M NORTH

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AGUR OPTION AREA
VLF - EM SURVEY
DIP ANGLE & QUADRATURE PROFILES

SIMILKAMEEN, M.D. N.T.S: 92H/9&16

SCALE 1:5000

100 0 100 200 300
METRES

SEPTEMBER 1990 PLATE G2A

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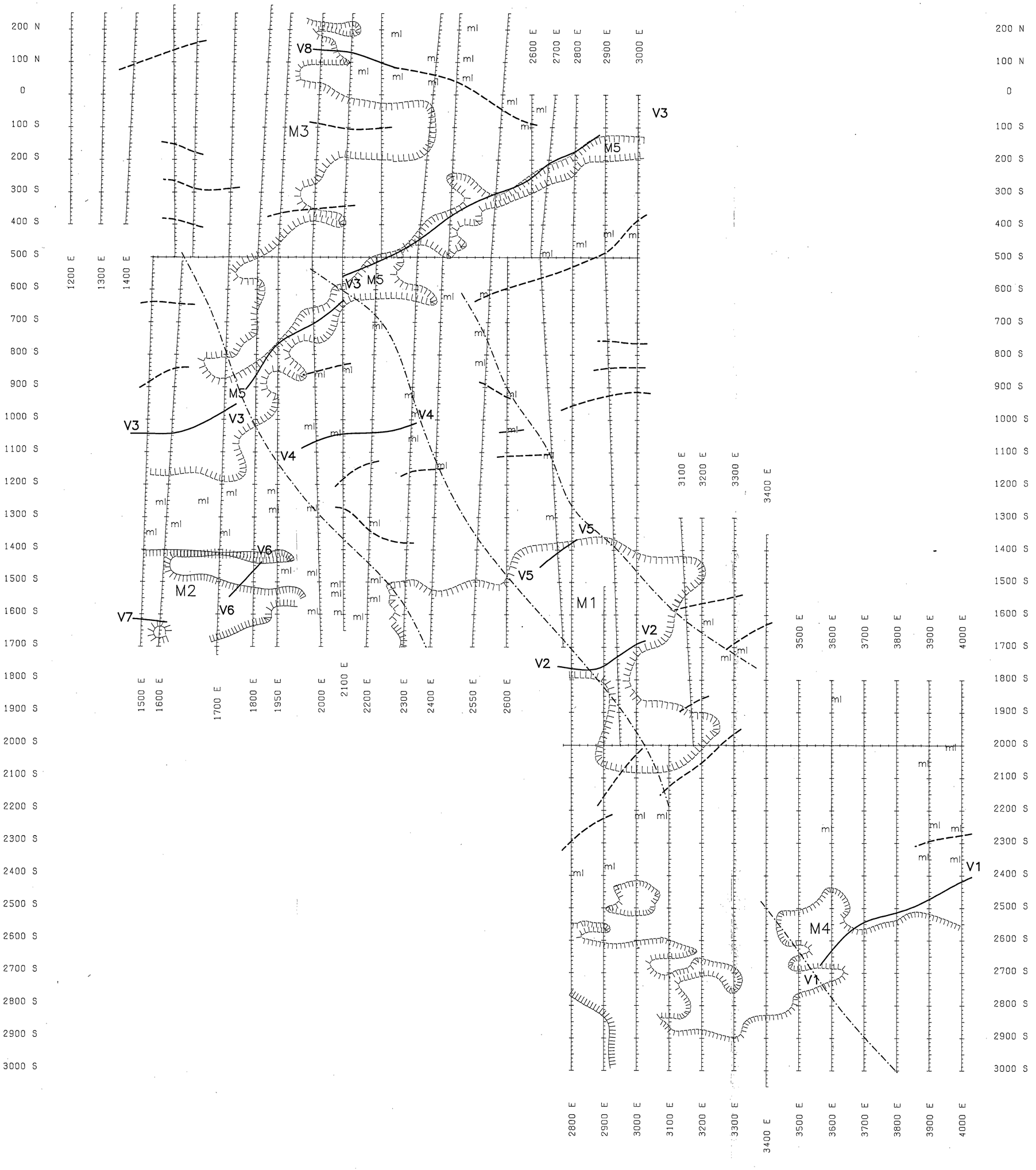
ASSESSMENT REPORT



LEGEND

VLF – EM CONDUCTOR AXIS

STRONG

WEAK

MAGNETIC ANOMALY SHOWING WIDTH

HIGH

LOW

ml LOCAL MAGNETIC LOW

POSSIBLE CROSS–STRUCTURE

INFERRED

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ELK PROJECT
AGUR OPTION AREA
MAGNETOMETER & VLF - EM SURVEY
COMPILATION MAP

SIMILKAMEEN, M.D. N.T.S: 92H/9&16

SCALE 1:5000

100 0 100 200 300

METRES

SEPTEMBER 1990 PLATE G4

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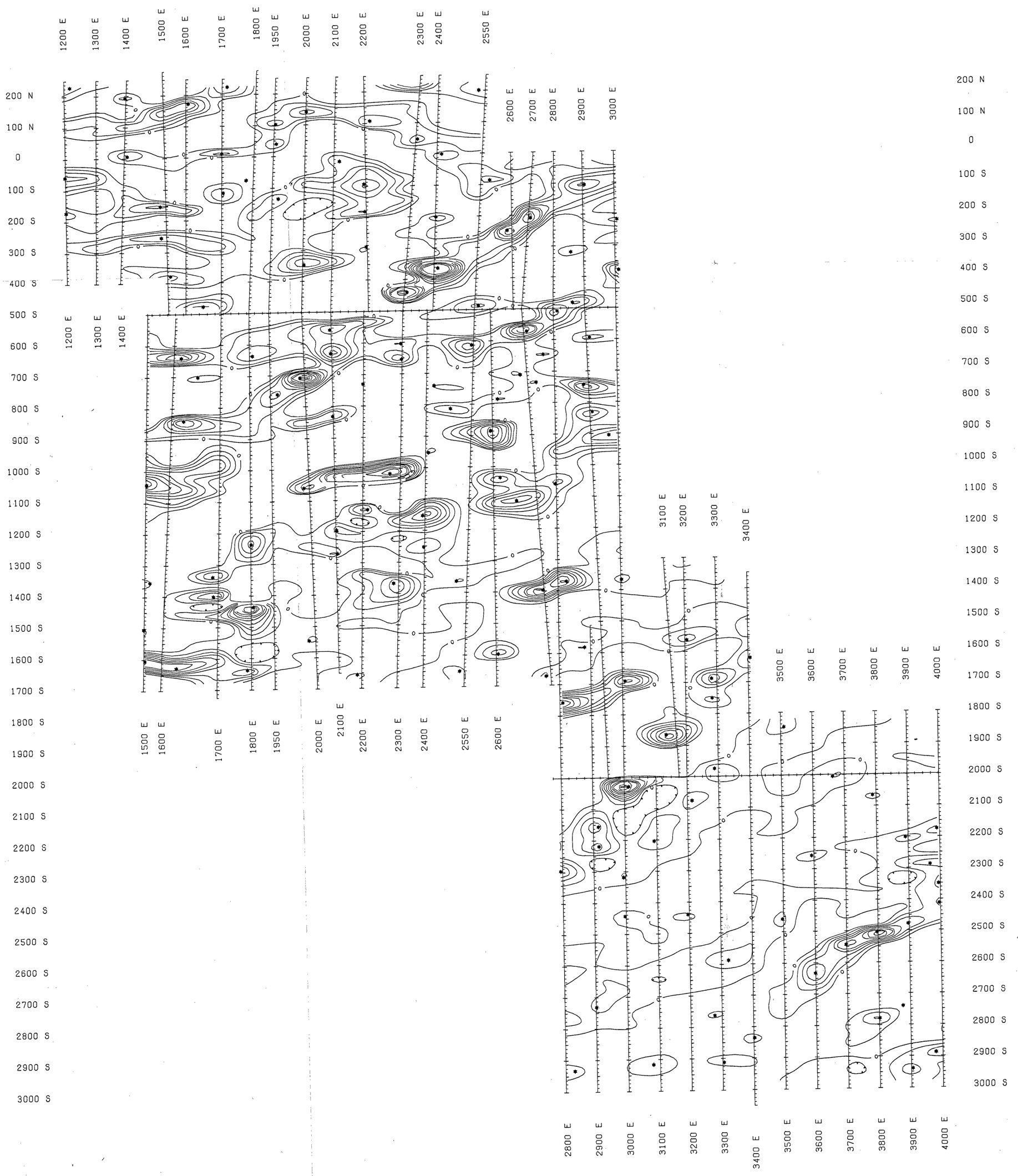

SJ GEOPHYSICS LTD.

LEGEND

NEGATIVE CONTOURS SUPPRESSED
CONTOUR INTERVAL: 3%
LABELLED INTERVAL: 15%
MINIMUM VALUE: 0
MAXIMUM VALUE: 52%
SURVEY DIRECTION FACING NORTH

INSTRUMENTATION:
EDA OMNI PLUS VLF-EM SYSTEM
STATION: NLK 24.8 KHZ (SEATTLE)
NOTE:
L3400E 3000S-1300S SHIFTED 50M SOUTH
L1500E 500S-250N SHIFTED 25M NORTH

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ELK PROJECT
AGUR OPTION AREA
VLF - EM SURVEY
FRASER FILTER CONTOURS

SIMILKAMEEN, M.D. N.T.S: 92H/9416

SCALE 1:5000

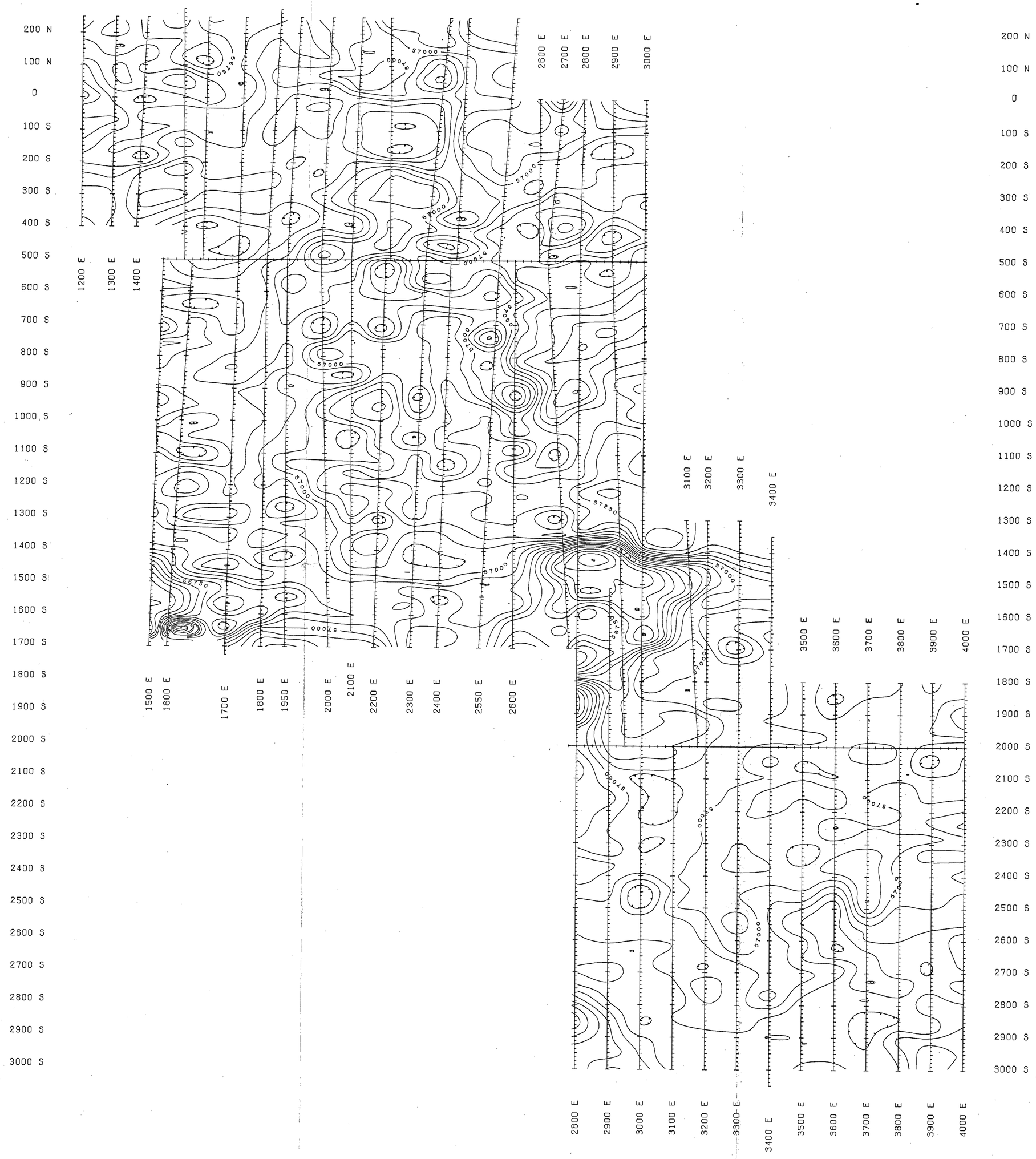
100 0 100 200 300
METRES

SEPTEMBER 1990

PLATE G3C

21,443

GEOLOGICAL BRANCH
ASSESSMENT REPORT



LEGEND

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LABELLED CONTOURS: 250 NT
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MINUMUM VALUE: 55961 NT
MAXIMUM VALUE: 57471 NT
INSTRUMENTATION:
BASE: EDA OMNI PLUS PROTON PRECESSION MAGNETOMETER
FIELD: EDA OMNI PLUS PROTON PRECESSION MAGNETOMETER
NOTE: L3400E 3000S-1300S SHIFTED 50M SOUTH
L1500E 500S-250N SHIFTED 25M NORTH

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ELK PROJECT
AGUR OPTION AREA
MAGNETOMETER SURVEY
TOTAL FIELD CONTOURS

SIMILKAMEEN, M.D. N.T.S: 92H/9&16

SCALE 1:5000

100 0 100 200 300

METRES

SEPTEMBER 1990

PLATE G1B

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ASSESSMENT REPORT

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ELK PROJECT
AGUR OPTION AREA
MAGNETOMETER SURVEY
TOTAL FIELD PROFILES

SIMILKAMEEN, M.D. N.T.S: 92H/9&16

SCALE 1:5000

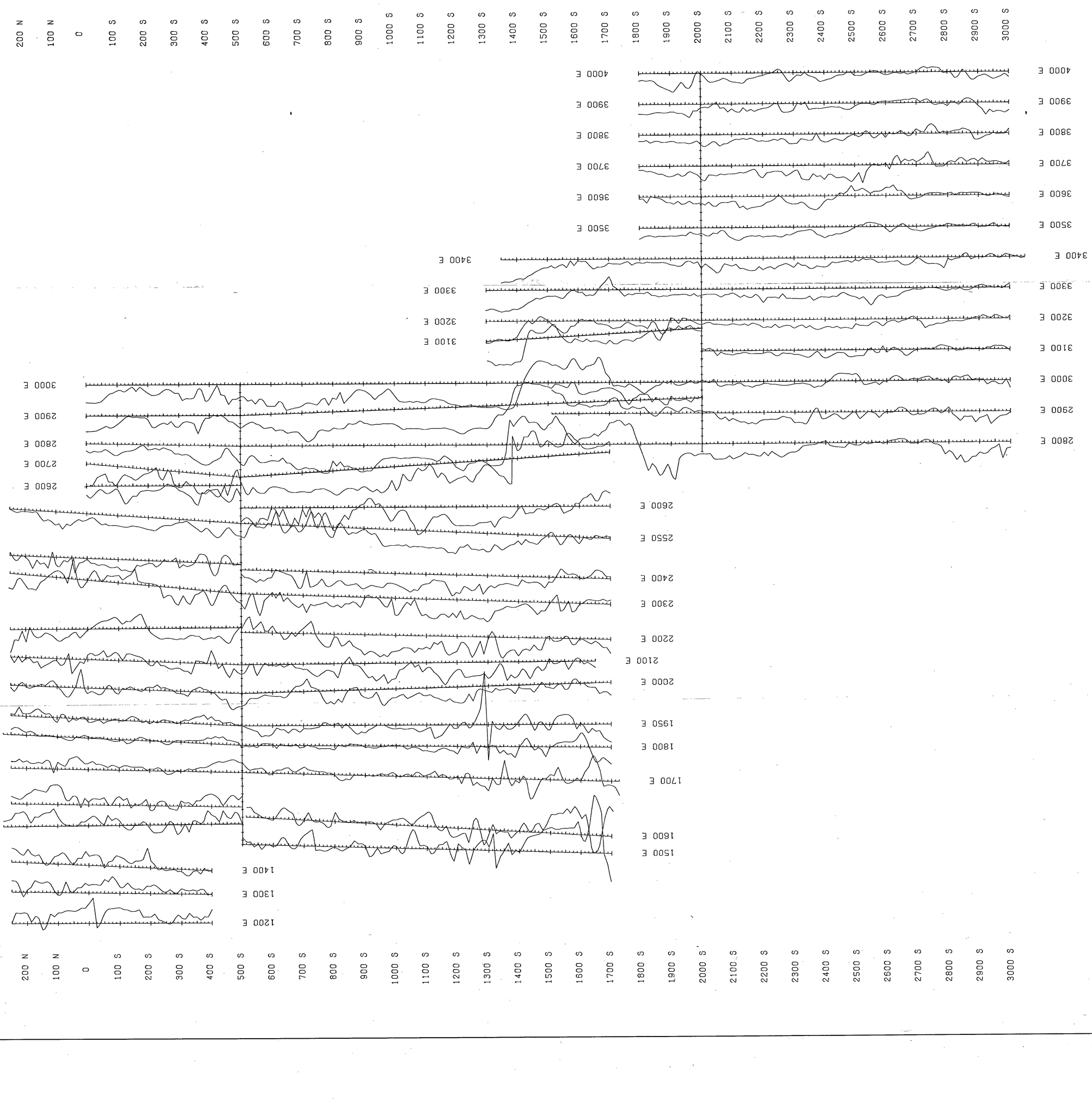
100 0 100 200 300
METRES

SEPTEMBER 1990

PLATE G1A

LEGEND

PROFILES POSITIVE LEFT
PROFILE SCALE: 250 NT / CM
BASE VALUE: 56900 NT
MINUMUM VALUE: 55961 NT
MAXIMUM VALUE: 57471 NT
INSTRUMENTATION:
BASE: EDA OMNI PLUS PROTON
PRECESSION MAGNETOMETER
FIELD: EDA OMNI PLUS PROTON
PRECESSION MAGNETOMETER
NOTE: L3400E 3000S-1300S SHIFTED 50M SOUTH
L1500E 500S-250N SHIFTED 25M NORTH



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