



Geological Survey Branch
Assessment Report Indexing System



[ARIS11A]

ARIS Summary Report

Regional Geologist, Smithers

Date Approved: 1999.01.11

Off Confidential: 1999.10.16

ASSESSMENT REPORT: 25686

Mining Division(s): Omineca

Property Name: Angeline

Location:	NAD 27	Latitude: 53 40 30	Longitude: 127 04 55	UTM:	09	5948855	626702
	NAD 83	Latitude: 53 40 30	Longitude: 127 05 01	UTM:	09	5949069	626588
	NTS:	093E11E					

Camp:

Claim(s): Angeline 1-2

Operator(s): Seel, V.

Author(s): Seel, V.

Report Year: 1998

No. of Pages: 15 Pages

Commodities Searched For: Lead, Gold, Silver

General Work Categories: GEOC

Work Done: **Geochemical**
SOIL Soil (32 sample(s);)
Elements Analyzed For : Multielement

Keywords: Overburden

Statement Nos.: 3125963

MINFILE Nos.:

Related Reports:

**Geochemical Soil Sampling Report
on the
ANGELINE Group Mineral Claims**



Geineca Mining Division
NTS 93E/ 11E

Latitude 50° 40 30

Longitude 127° 04 55

Owned and Operated by
Vernon Seel

October 14, 1998

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Introduction

The ANGELINE mineral claims are located in north central B.C., approximately 100 km south of the town of Houston, B.C. and 6 km east of the Huckleberry Mine.

The area is on the eastern edge of the Coast Mountains, north of the Whitesail Range, on the south shore of the Nechako Reservoir.

Access to the property may be made by helicopter (there are two bases located in Houston), by boat from the Nechako Reservoir, or by logging roads. Houston Forest Products has proposed to build a branch logging road across the claims in 1999.

The property consists of ANGELINE 1 (tenure number 359902) and ANGELINE 2 (tenure number 359903). The claims were staked on October 18, 1997. The owner and operator is Vernon Seel.

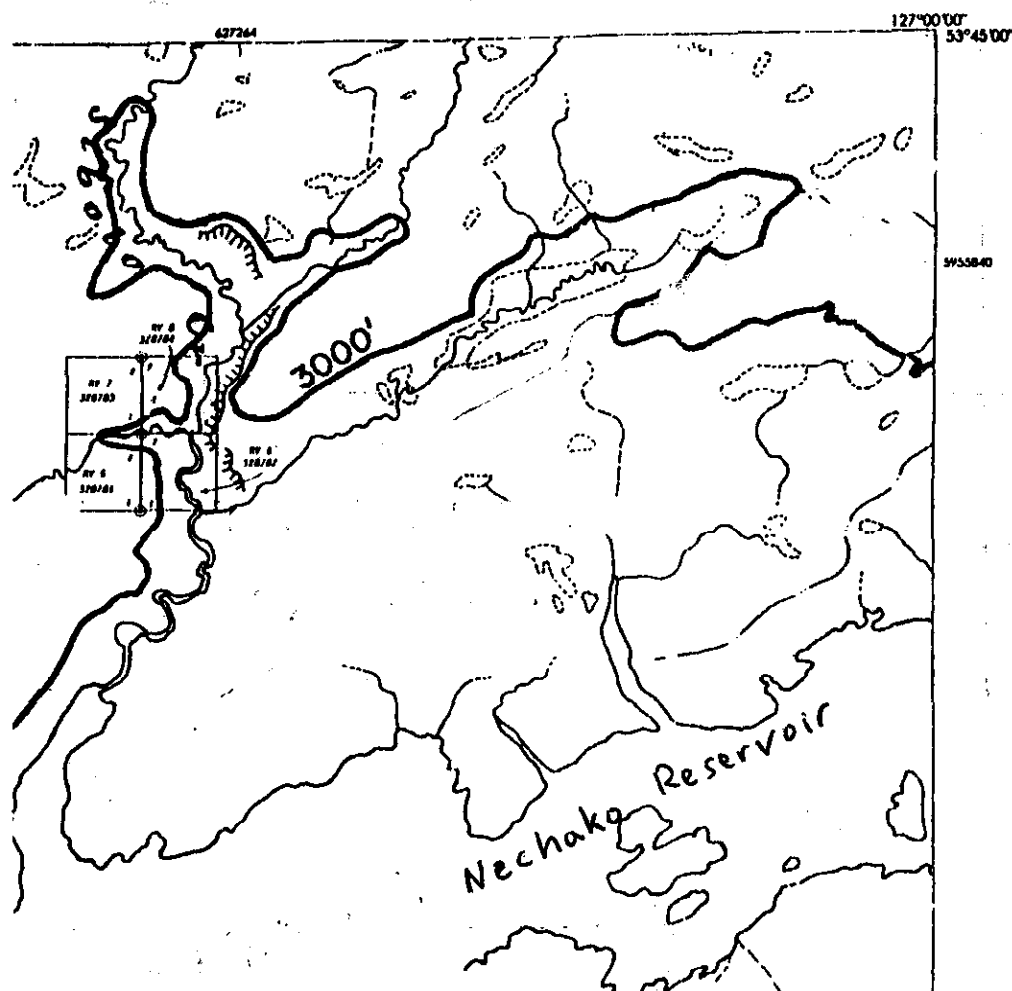
The general area has several known mineral occurrences. The Huckleberry Mine is located 6 km due west and the Ox Lake mineral deposit is only 2 km due east.

The claims were staked on the basis of a geomagnetic anomaly recorded in an airborne survey of the area surrounding the Lansdowne mineral claims.

There is no previous work done specifically on the property that is known to the writer.

Summary of work done

32 soil samples were collected along a 1500 metre length of reconnaissance grid line from the ANGELINE 1 claims. This includes 6 soil samples collected along 500 metres of the ANGELINE 1 & ANGELINE 2 claim lines.



LOCATION MAP

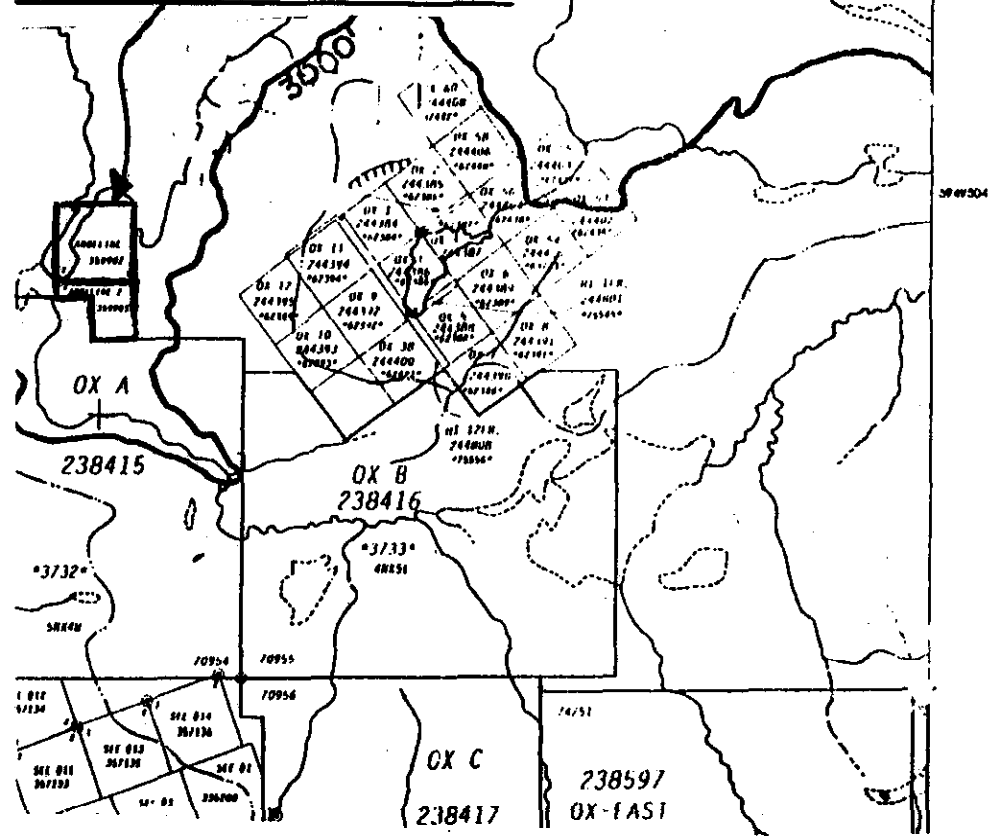
MINERAL TITLES REFERENCE

MAP 093E11E

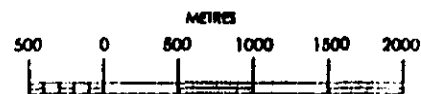
U.T.M. ZONE 9

LAST MAP UPDATE: 1998 FEB 13

ANGELINE MINERAL CLAIMS



ORIGINAL PRODUCED AT 1 : 31 680



MINING DIVISIONS: OMINECA

Data

Earlier airborne geophysical surveys in the 1980's of nearby mineral claims and adjoining areas (Ager et. al, B.C. Assessment Report 11,237) indicate a north-south trending 500 metre geomagnetic anomaly where the ANGELINE claims are.

After staking the property, several reconnaissance east-west sampling lines were made. Using a hip chain and compass three lines were made, and samples were concurrently taken. Several more samples were taken in the presumed vicinity of the anomaly.

Soil samples were taken by the writer from the generally well developed B_f soil horizon at a depth of 10 to 20 cm from the surface using a sampling hoe. No outcrops were noted during the traverses. The only known outcrop noted was approximately 20 metres east of the Legal Initial Claim Post, in a small seasonal creek.

Samples were placed in individual standard soil sampling paper bags. Samples were then air-dried at room temperature in their collection bags for several days before being shipped to the lab for analysis.

At Mineral Environment Laboratories (Min.En Labs) samples were sieved to .80 mesh. A .5 gram sample was digested with 10 ml of 3:1 HCl/HNO₃ at 95 degrees Celsius for two hours and diluted to 25 ml D.I. H₂O. A multi-element ICP analysis, including Au-wet, was used. The results are tabulated herein, with certificates.

Results

Soil samples with elements of high values were plotted on 1:5,000 scale maps. (Please refer to accompanying maps.)

Samples of interest include:

N1100 E850 with high values of Ag, Pb and Au (2 ppm, 607 ppm and 95 ppb) and N850 E700 with high values of As and Pb (885 ppm and 312 ppm).

These samples are located in the centre of the claims, and occur at two distinct sampling sites. These sites may or may not be connected, as the depth of the overburden varies and is of unknown depth. These results indicate the possibility of mineralization containing Pb, Ag and Au however sampling is needed to reach any further conclusions.

Statement of Costs

Itemized Cost Statement

<u>Description</u>	<u>Quantity</u>	<u>Rate</u>	<u>Date</u>	<u>Amount</u>
Field Geologist	2 days	\$150 per day	October 18 & 19/97	\$300
Field Helper	2 days	\$100 per Day	October 18 & 19/97	\$200
4 x4 Truck	2 days	\$50 per day	October 18 & 20/97	\$100
Airfare from Vanc		\$435	October 18 & 21/97	\$435
Analysis	32 samples	\$17 per sample		\$544
Report Preparation				\$300

Qualifications:

I, Vernon Rupert Seel, of Burnaby, British Columbia do hereby state that:

1. I graduated from the University of British Columbia with a B.Sc. (Geology) in 1984.

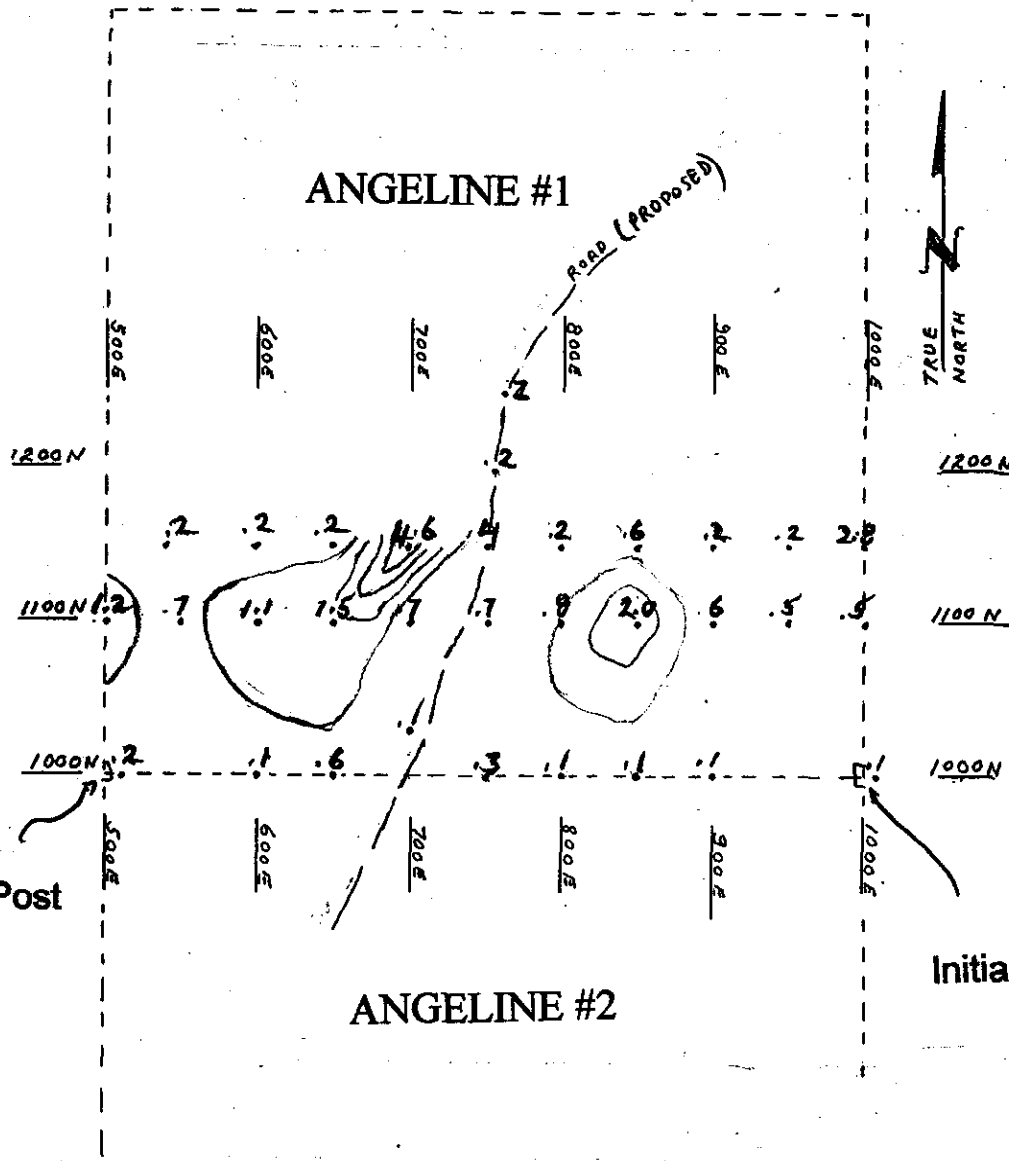
2. I have worked in the mineral exploration field in BC including:

Lansdowne Oil & Mineral	1981
Utah Mines	1982
BC Ministry of Mines	1984
Noranda Mines	1984-85

dated this 14th day of October, 1998.


Vernon Rupert Seel, B.Sc.

ANGELINE #1



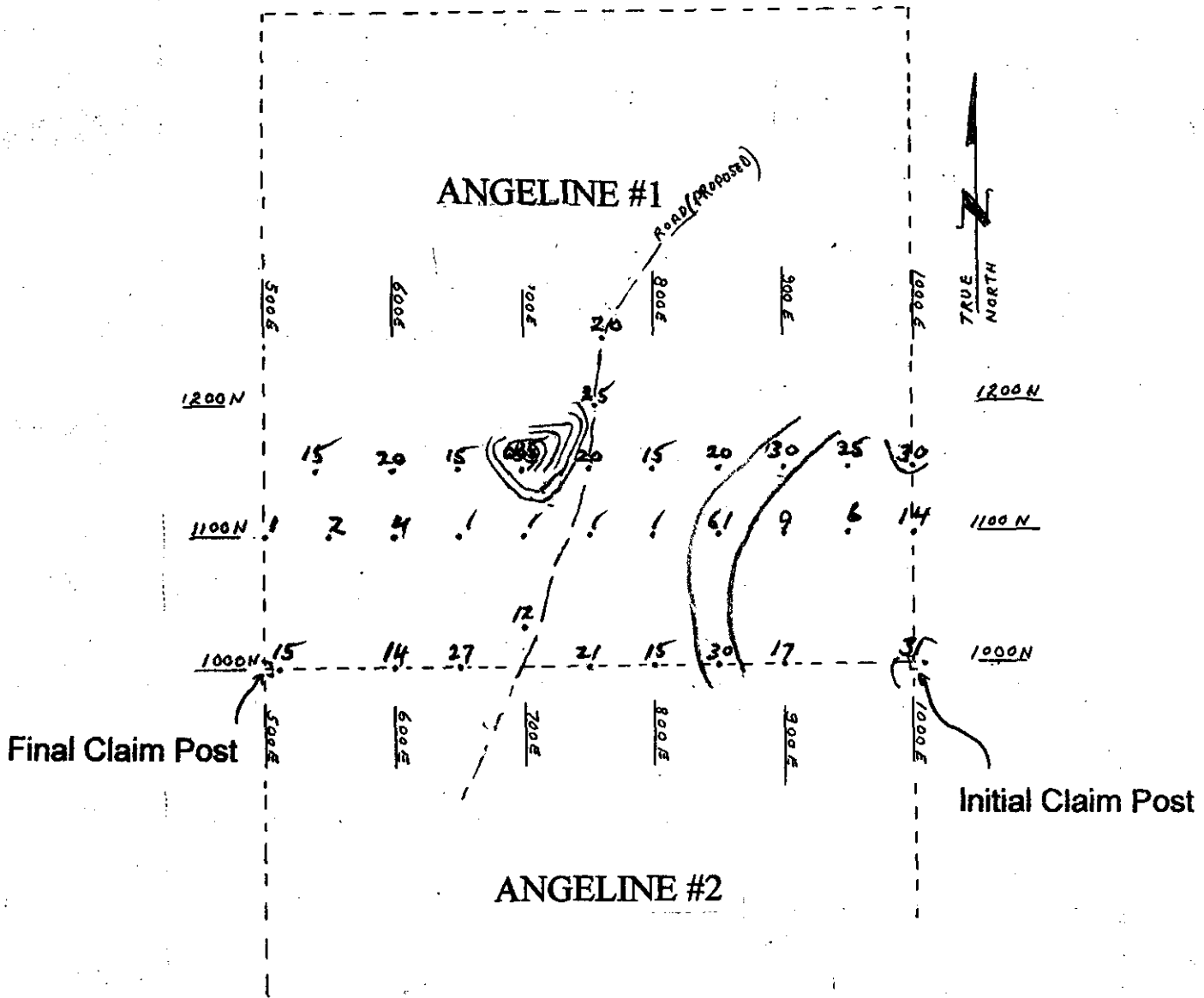
ANGELINE #2

ANGELINE MINERAL CLAIMS

SILVER ppm
SCALE 1:5,000



claim posts & boundaries located by hip chain & compass

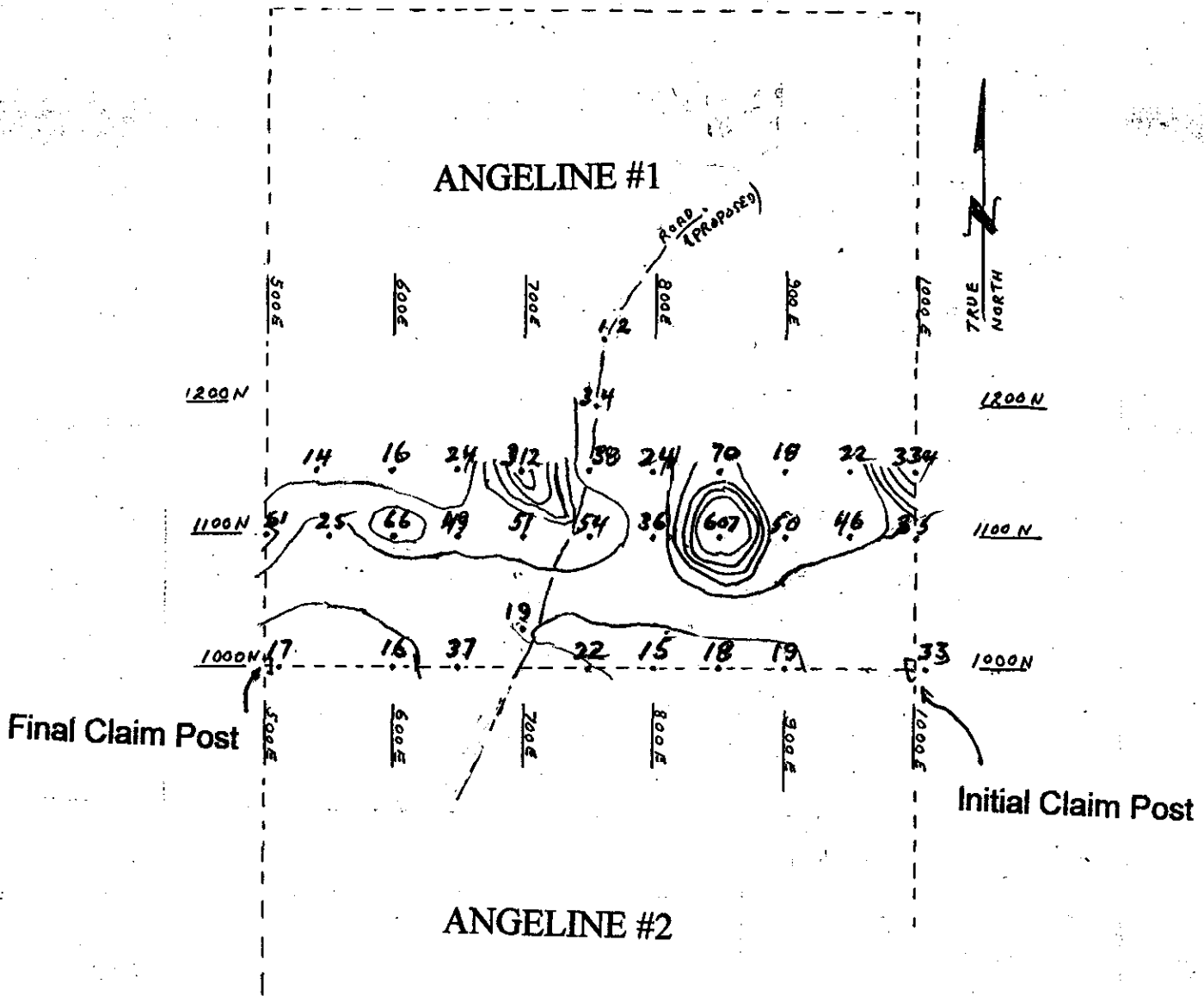


ANGELINE MINERAL CLAIMS

ARSENIC ppm
SCALE 1:5,000



claim posts & boundaries located by hip chain & compass



ANGELINE MINERAL CLAIMS

LEAD ppm
SCALE 1:5,000



claim posts & boundaries located by hip chain & compass

Results of Geochemical Soil Analysis

Sample	No.	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga pm	K %	Li pm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Au ppb
N1250	E760	<0.2	2.35	20	80	<0.5	<5	0.13	<1	7	18	26	3.59		0.04		0.37	305	2	0.02	11	800	12	<5	4	<10	15		0.07		62	<10	6	98	6	5
N1150	E540	<0.2	2.20	15	140	<0.5	<5	0.18	<1	7	24	30	3.53		0.05		0.51	305	2	0.02	18	520	14	<5	5	<10	19		0.07		60	<10	11	108	5	5
N1150	E600	0.2	2.19	20	130	<0.5	<5	0.17	<1	6	22	37	3.64		0.05		0.46	280	2	0.02	20	570	16	<5	5	<10	17		0.07		62	<10	12	168	5	5
N1150	E650	<0.2	1.90	15	90	<0.5	<5	0.16	1.0	6	19	21	3.08		0.04		0.44	255	<2	0.02	21	560	24	<5	4	<10	14		0.07		53	<10	6	260	4	5
N1150	E700	4.6	1.79	885	270	0.5	<5	0.06	<1	7	21	16	6.73		0.12		0.16	250	4	0.03	19	2270	312	75	2	<10	30		0.07		55	<10	4	223	5	10
N1150	E750	0.4	2.65	20	70	<0.5	<5	0.08	<1	9	23	26	3.61		0.05		0.36	305	2	0.02	31	850	36	<5	4	<10	9		0.07		59	<10	4	183	5	5
N1200	E755	0.2	3.14	25	100	0.5	<5	0.11	<1	8	25	30	3.73		0.05		0.46	270	<2	0.02	26	740	34	<5	5	<10	11		0.06		55	<10	10	162	8	10
N1150	E800	0.2	2.28	15	90	<0.5	<5	0.09	<1	6	20	22	3.38		0.05		0.32	205	2	0.02	10	490	24	<5	3	<10	12		0.08		59	<10	4	98	5	5
N1150	E850	0.6	1.65	20	120	<0.5	<5	0.15	<1	6	20	19	2.44		0.06		0.47	260	<2	0.02	18	500	70	5	2	<10	20		0.07		45	<10	3	335	2	5
N1150	E900	<0.2	2.07	30	100	0.5	<5	0.11	<1	9	18	38	3.52		0.05		0.38	505	2	0.02	12	1080	18	<5	3	<10	13		0.05		56	<10	6	94	4	5
N1150	E950	<0.2	1.44	25	130	<0.5	<5	0.14	<1	9	18	40	3.94		0.05		0.37	910	2	0.02	10	1220	22	<5	3	<10	15		0.06		62	<10	4	113	3	5
N1150	E1000	2.8	1.88	30	110	<0.5	<5	0.16	<1	11	32	13	6.15		0.05		0.34	405	<2	0.02	12	4660	334	10	2	<10	12		0.28		97	<10	2	182	5	5
N970	E700	0.1	3.41	12	106	0.3	1	0.09	0.1	7	28	51	2.74	6	0.04	15	0.46	200	2	0.01	17	670	19	2		1	9	15	0.04	9	52.1	3		127		5
N1000	E510	0.2	1.86	15	75	0.2	1	0.12	0.5	7	20	18	3.15	5	0.03	10	0.33	282	1	0.01	12	1400	17	2		1	10	16	0.05	9	56.6	3		126		5
N1000	E600	0.1	1.46	14	87	0.3	1	0.12	0.1	5	19	32	2.46	4	0.03	10	0.43	249	1	0.01	16	420	16	1		1	14	14	0.05	8	44.5	2		76		5
N1000	E650	0.6	2.72	27	61	0.4	2	0.09	0.4	11	25	28	3.40	5	0.04	14	0.40	408	1	0.01	25	1580	37	4		1	7	18	0.04	11	51.7	4		228		5
N1000	E750	0.3	2.50	21	66	0.3	1	0.08	0.2	8	23	25	3.87	7	0.04	13	0.32	287	1	0.01	16	940	22	3		1	7	19	0.06	12	66.0	3		148		5
N1000	E800	0.1	1.85	15	89	0.2	1	0.07	0.1	6	21	34	2.52	4	0.04	9	0.45	230	1	0.01	14	370	15	1		1	8	14	0.05	7	45.9	3		86		5
N1000	E850	0.1	2.02	30	79	0.3	2	0.11	0.1	7	19	39	2.98	5	0.03	9	0.39	237	4	0.01	14	590	18	2		1	13	16	0.05	9	54.5	2		81		5
N1000	E900	0.1	1.90	17	61	0.2	1	0.09	0.1	6	19	32	3.17	5	0.03	8	0.38	240	1	0.01	9	540	19	2		1	9	78	0.07	10	61.6	2		65		5
N1000	E1000	0.1	1.97	31	101	0.3	1	0.19	0.1	8	26	29	3.64	7	0.04	16	0.47	338	2	0.01	19	760	33	4		1	22	18	0.11	11	65.7	3		210		5
N1100	E1000	0.5	1.85	14	49	0.4	17	0.11	0.9	10	10	31	3.12	2	0.03	9	0.36	312	4	0.01	9	1220	35	23		1	19	1	0.06	3	57.7	1		81		10
N1100	E950	0.5	2.12	6	65	0.4	21	0.13	0.8	9	12	28	3.49	2	0.04	14	0.39	267	6	0.01	10	1160	46	26		1	23	1	0.08	3	60.0	2		115		5
N1100	E900	0.6	2.76	9	93	0.6	24	0.12	0.6	14	14	34	3.76	1	0.05	11	0.50	343	4	0.01	13	700	50	29		1	24	1	0.09	3	67.6	2		121		5
N1100	E850	2.0	1.58	61	64	0.4	13	0.22	0.5	9	12	26	2.59	1	0.03	20	0.46	325	4	0.01	23	470	607	37		1	31	1	0.06	2	47.6	3		372		95
N1100	E800	0.8	1.34	1	65	0.3	21	0.15	1.0	10	11	18	2.45	2	0.03	9	0.42	445	3	0.01	7	320	36	12		1	22	1	0.09	2	60.5	2		117		5
N1100	E750	0.7	2.43	1	96	0.4	12	0.14	0.4	8	15	26	2.19	1	0.04	14	0.46	195	4	0.01	11	480	54	26		1	24	1	0.05	2	44.8	2		73		10
N1100	E700	0.7	2.59	1	85	0.5	14	0.12	1.7	10	13	36	3.40	1	0.04	15	0.47	270	4	0.01	20	590	51	29		1	18	1	0.06	3	59.0	2		221		5
N1100	E650	1.5	2.05	1	85	0.5	16	0.16	1.1	10	14	29	3.08	1	0.04	19	0.51	276	4	0.01	23	420	49	24		1	19	1	0.07	3	54.7	2		281		5
N1100	E600	1.1	1.49	4	101	0.3	17	0.20	2.1	9	11	21	2.56	3	0.03	18	0.35	243	3	0.01	9	340	66	20		1	21	1	0.07	2	55.2	2		249		5
N1100	E550	0.7	1.13	2	81	0.2	15	0.21	1.8	8	8	11	1.99	5	0.03	12	0.23	323	4	0.01	6	460	25	12		1	23	1	0.05	3	44.3	2		99		5
N1100	E500	1.2	1.88	1	89	0.6	15	0.17	2.1	11	12	29	2.79	1	0.04	15	0.51	359	3	0.01	12	670	61	21		1	20	1	0.06	3	54.1	2		154		5

MIN-EN LABS — ICP REPORT
 8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
 TEL: (604) 327-3436 FAX: (604) 327-3423

PROJ: ANGELEEN
 ATTN: Vernon Seel

DATE: 97/10/29
 (ACT: ICP 31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
970N 700E	.1	3.41	12	106	.3	1	.09	.1	7	28	51	2.74	6	.04	15	.46	200	2	.01	17	670	19	2	1	9	15	.04	9	52.1	3	127
1000N 510E	.2	1.86	15	75	.2	1	.12	.5	7	28	18	3.15	5	.03	10	.33	282	1	.01	12	1400	17	2	1	10	16	.05	9	56.6	3	126
1000N 600E	.1	1.46	14	87	.3	1	.12	.1	5	19	32	2.46	4	.03	10	.43	249	1	.01	16	420	16	1	1	14	14	.05	8	44.5	2	76
1000N 650E	.6	2.72	27	61	.4	2	.09	.4	11	25	28	3.48	5	.04	14	.40	608	1	.01	25	1580	37	4	1	7	18	.04	11	51.7	4	228
1000N 750E	.3	2.50	21	66	.3	1	.08	.2	8	23	25	3.87	7	.04	13	.32	287	1	.01	16	940	22	3	1	7	19	.06	12	66.0	3	148
1000N 800E	.1	1.85	15	89	.2	1	.07	.1	6	21	34	2.52	4	.04	9	.45	230	1	.01	14	370	15	1	1	8	14	.05	7	45.9	3	86
1000N 850E	.1	2.02	30	79	.3	2	.11	.1	7	19	39	2.98	5	.03	9	.39	237	4	.01	14	590	18	2	1	13	16	.05	9	54.5	2	81
1000N 900E	.1	1.90	17	61	.2	1	.09	.1	6	19	32	3.17	5	.03	8	.38	240	1	.01	9	540	19	2	1	9	17	.07	10	61.6	2	65
1000N 1015E	.1	1.97	31	101	.3	1	.19	.1	8	26	29	3.64	7	.04	16	.47	338	2	.01	19	760	33	4	1	22	18	.11	11	65.7	3	210

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM	Au-Wet PPB
4 1100N 1000E	.5	1.85	14	49	.4	17	.11	.9	10	10	31	3.12	2	.03	9	.36	312	4	.01	9	1220	35	23	1	19	1	.06	3	57.7	1	81	10
5 1100N 850E	.5	2.12	6	65	.4	21	.13	.8	9	12	28	3.49	2	.04	14	.39	267	6	.01	10	1160	46	26	1	23	2	.08	3	60.0	2	115	5
6 1100N 500E	.6	2.76	9	93	.6	24	.12	.6	14	14	34	3.76	1	.05	11	.50	343	4	.01	13	700	50	29	1	24	1	.09	3	67.6	2	121	5
7 1100N 850E	2.0	1.58	61	64	.4	13	.22	.5	9	12	26	2.59	1	.03	20	.46	325	4	.01	23	470	607	37	1	31	1	.06	2	47.6	3	372	95
8 1100N 850E	.8	1.34	1	65	.3	21	.15	1.0	10	11	18	2.45	2	.03	9	.42	445	3	.01	7	320	36	12	1	22	1	.09	2	60.5	2	117	5
9 1100N 750E	.7	2.43	1	96	.4	12	.14	.4	8	15	26	2.19	1	.04	14	.46	195	4	.01	11	480	54	26	1	24	1	.05	2	44.8	2	73	10
10 1100N 200E	.7	2.59	1	85	.5	14	.12	1.7	10	13	36	3.40	1	.04	15	.47	270	4	.01	20	590	51	29	1	18	1	.06	3	59.0	2	221	5
11 1100N 650E	1.5	2.05	1	85	.5	16	.16	1.1	10	14	29	3.08	1	.04	19	.51	276	4	.01	23	420	49	24	1	19	1	.07	3	54.7	2	281	5
12 1100N 800E	1.1	1.49	4	101	.3	17	.20	2.1	9	11	21	2.56	3	.03	18	.35	243	3	.01	9	340	66	20	1	21	1	.07	2	55.2	2	249	5
13 1100N 550E	.7	1.13	2	81	.2	15	.21	1.8	8	8	11	1.99	5	.03	12	.23	323	4	.01	6	460	25	12	1	23	1	.05	3	44.3	2	99	5
14 1100N 500E	1.2	1.88	1	89	.6	15	.17	2.1	11	12	29	2.79	1	.04	15	.51	359	3	.01	12	670	61	21	1	20	1	.06	3	54.1	2	154	5

MR. VERNON SEEL

Attention: Vernon Seel

Project:

Sample: SOIL

Mineral Environments Laboratories

8282 Sherbrooke St., Vancouver, B.C., V5X 4E8

Tel (604) 327-3436 Fax (604) 327-3423

Report No : 8S0055

Date : Aug-07-98

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Air wet ppm
E760 N1250	<0.2	2.35	20	80	<0.5	<5	0.13	<1	7	18	25	3.59	0.04	0.37	305	2	0.02	11	800	12	<5	4	<10	15	0.07	62	<10	6	98	6	5
E540 N1150	<0.2	2.20	15	140	<0.5	<5	0.18	<1	7	24	20	3.53	0.05	0.51	305	2	0.02	18	520	14	<5	5	<10	19	0.07	60	<10	11	108	5	5
E600 N1150	<0.2	2.19	20	130	<0.5	<5	0.17	<1	6	22	27	3.64	0.05	0.46	280	2	0.02	20	570	16	<5	5	<10	17	0.07	62	<10	12	158	5	5
E650 N1150	<0.2	1.90	15	90	<0.5	<5	0.18	1	6	19	21	3.08	0.04	0.44	255	<2	0.02	21	560	24	<5	4	<10	14	0.07	53	<10	6	290	4	5
E700 N1150	<0.2	1.79	15	270	<0.5	<5	0.08	<1	7	21	16	6.73	0.32	0.18	250	4	0.03	19	2270	312	75	2	<10	30	0.07	55	<10	4	223	5	10
E750 N1150	<0.2	2.65	20	70	<0.5	<5	0.08	<1	9	23	24	3.61	0.05	0.36	305	2	0.02	31	350	36	<5	4	<10	9	0.07	59	<10	4	183	5	5
E755 N1200	<0.2	3.14	25	100	<0.5	<5	0.11	<1	8	25	20	3.73	0.05	0.46	270	<2	0.02	28	790	34	<5	5	<10	11	0.06	55	<10	10	132	8	10
E800 N1150	<0.2	2.28	15	90	<0.5	<5	0.09	<1	6	20	22	3.38	0.05	0.32	202	2	0.02	10	490	24	<5	3	<10	12	0.08	59	<10	4	98	5	5
E850 N1150	<0.2	1.65	20	120	<0.5	<5	0.15	<1	8	20	19	2.44	0.08	0.47	280	<2	0.02	18	500	70	5	2	<10	20	0.07	45	<10	3	335	2	5
E900 N1150	<0.2	2.07	30	100	<0.5	<5	0.11	<1	9	18	38	3.52	0.05	0.38	505	2	0.02	12	1080	18	<5	3	<10	13	0.06	56	<10	6	94	4	5
E950 N1150	<0.2	1.44	25	130	<0.5	<5	0.14	<1	9	18	40	3.94	0.05	0.37	910	2	0.02	10	1220	22	<5	3	<10	15	0.06	62	<10	4	113	3	5
E1000 N1150	2.8	1.88	30	110	<0.5	<5	0.16	<1	11	32	13	6.15	0.05	0.34	405	<2	0.02	12	4660	334	10	2	<10	12	0.28	97	<10	2	182	5	5

A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H2O.



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7S-0334-SG1

Company: **MR. RUPERT SEEL**
Project: **ANGELEEN**
Attn: **Vernon Seel**

Date: **NOV-24-97**

We hereby certify the following Geochemical Analysis of 9 SOIL samples submitted OCT-21-97 by VERNON SEEL.

Sample Number	Au-wet PPB
970N 700E	5
1000N 510E	5
1000N 600E	5
1000N 650E	5
1000N 750E	5
1000N 800E	5
1000N 850E	5
1000N 900E	5
1000N 1015E	5

Certified by _____


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