Summary report on
Physical work

Willy 1 & 2 mining claims
Kamloops Mining Division
British Columbia
NTS map # 82M-12W
Long.119°50w, Lat 51°33n
For
Edward Hayes

Author
Larry Crittenden
Nov. 1/97

25036

Table of contents

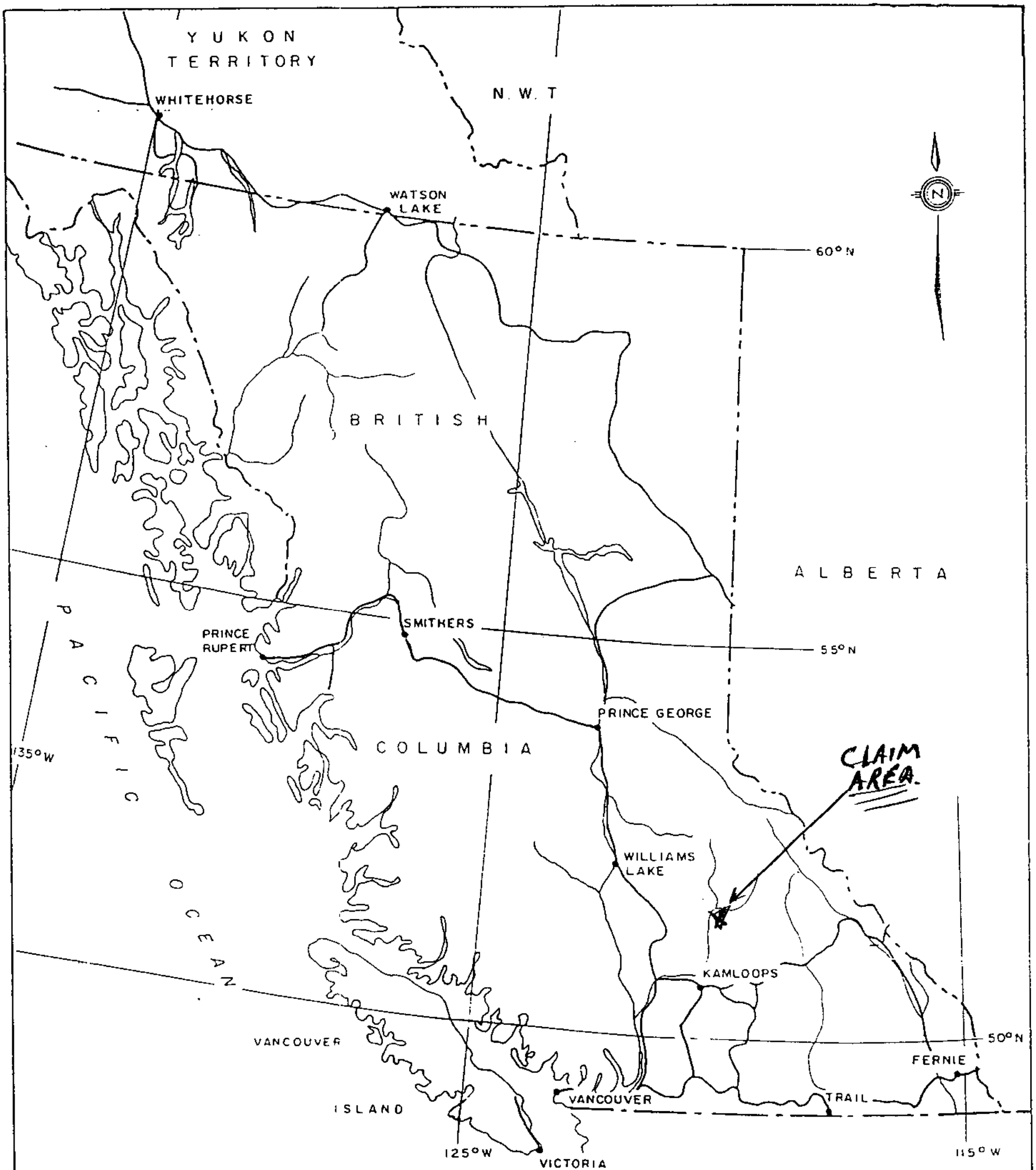
List of illustrations

1.0 summary

Phase 1 prospecting, soil sampling as well as rock samples were carried out from Dec 1/1996 to Dec 5/1996. As soil geochemical anomalies in an area that is underlain by a tilted, strongly deformed, low grade regionally metamorphosed sequence of volcanic and sedimentary strata of probable Paleozoic age. Resulted in anomalous returned results from previous exploration.

2.0 introduction

This report summarizes work carried out on the Willy 1 and Willy 2 Mining claims, located within the Kamloops mining Division. By Larry Crittenden for Edward Hayes from Dec 1/96 to Dec 5/96. It is a summary of phase 1 work carried out for the purposes of gathering mineralogical information and fulfilling requirements for mineral tenure act regulations for extending claim ownership forfeiture time frame. Work carried out consisted of 15.9 km of extensive traversing, 2 Rock samples, 52 geochemical soil samples, 6 km of geochem soil grid lines placed and sampled at 100 m intervals.



Willy 1+2 claim
Location Map

3.0 Location, access, title

Location

The Willy 1 and Willy 2 claims are located along the south side of the North Thompson Valley in the Kamloops mining division. These claims are located approx. 119°50 long N and 51°33 W Lat on NTS map 82m/12w (as shown in fig.1)

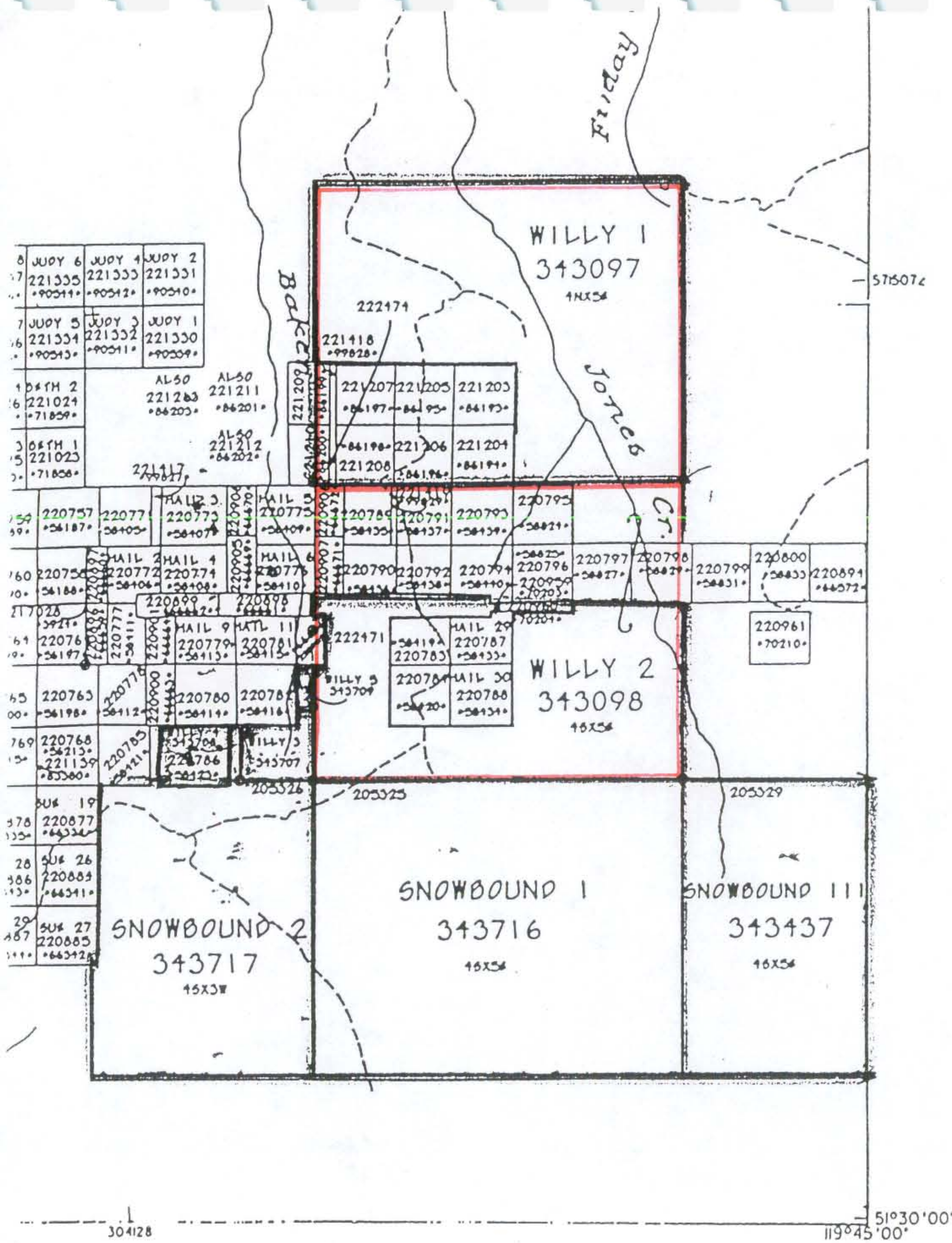
Access

Access to Willy 1 and Willy 2 claims is provided by all weather gravel road, which connects Birch island and Vavenby B.C. together (these Towns are located approx.100 km North of Kamloops B.C.) Direct access is gained by Jones Creek logging Rd. located approx. 9 km. along said road. L.C.P.'s are located at the 9 km. sign post on Jones Creek road side and 300 m east. Numerous logging roads provide reasonable access to claims.

Title

Claim	Tenure #	units	Due Date	Owner	Registration Date
Willy 1	343097	20	1999/03/07	Edward Hayes	1996/03/07
Willy 2	343098	20	1999/03/11	Edward Hayes	1996/03/11

(4)



WITNESS POST	WP ○
FORFEITED TENURE	C
VERIFIED	VER
SURVEYED	SUR
REVERTED C.G. MINERAL CLAIM	REV CG CR RCG
CROWN GRANTED	C G
OPEN FOR STAKING	O.F.S.

THIS MAP IS PREPARED ONLY AS A GUIDE TO THE LOCATION OF MINERAL TENURE AS AS SHOWN ON THE LOCATOR'S SKETCHES. FOR CURRENT OR MORE SPECIFIC INFORMATION, APPLICATION SHOULD BE MADE TO THE MINING DIVISION CONCERNED.

092P16E	082M13W	082M13E
092P09E	082M12W	082M12E
092P08E	082M05W	082M05E

INDEX TO ADJOINING MAPS

082M12W

4.0 previous work

The area of the Willy 1 & Willy 2 claims was formerly held by Union Oil Company of Canada. Between 1979 and 1983, Union Oil carried out preliminary exploration programs including a Dighim II Airborne E. M. / Mag survey, grid preparation, ground V. L. F./E. M., I. P., soil and silt sampling, prospecting and geological mapping.

During 1985, New Crown and NU Crown carried out follow up geo-chemical and geo-physical surveys and completed four diamond drill holes, totaling 426.73 meters.

In 1962, government geological surveying (done by Campbell) of principle area shows that these rocks are part of the Eagle Bay formation. A group of similarly deformed and metamorphosed which are flanked on the east by the higher metamorphic grade Shuswap Metamorphic Complex and on the west by the relatively undeformed and unmetamorphosed rocks of the Fennel Formation, Nicola Group and Cache Creek Group.

There has been extensive recorded exploration dating back to 1966 (as listed point form below).

1966 Quebec Cartier Mining Company – stream sediment sampling (85 samples), soil geo-chemical survey (184 samples), and geological mapping.

1967 Noranda Exploration Company Ltd. - Geology, mag, soil geochem and trenching.

1968 Noranda Exploration Company Ltd. – Geology, trenching, EM survey, soil geochemical and diamond drilling (2102 m/17 holes).

1968 Quebec Carter Mining Company – Geological mapping, soil geochemical surveying (2500 samples), magnetic survey (140625 line/meters), diamond drilling (6 NQ totaling 560 m) and trenching (6 trenches totaling 1375 m).

1969 Noranda Exploration Company Ltd. – Geology, Trenching, Diamond Drilling (1744 in 13 holes).

1971 Noranda Exploration Company Ltd. and Quebec Cartier Mining – Geology, EM Survey, Diamond Drilling (6739 m in 37 holes) and Geochem Line Survey (629 soil samples).

1972 Noranda Exploration Company Ltd. and Quebec Cartier Mining Company – Geology EM and IP surveys, Geochem Line survey (549 soil samples) including (46 silt samples) and diamond drilling (1178 m in 5 holes).

1973 Noranda Exploration Company Ltd. and Quebec Cartier Mining Company – EM survey and diamond drilling (540 m in 4 holes).

1978 Cominco Ltd. – Geological mapping and soil Geochemical survey (750 samples).

1983 Esso Resources Canada Ltd. – Geological mapping and diamond drilling (84 m in 1 hole).

1987 NU Crown Resources completed an exploration program of 10 diamond drill holes totaling 941.86 m BQ.

5.0 economic setting

Massive sulphide mineralization contained within metasedimentary and metavolcanic rocks of the Devonian Eagle Bay Formation are presently the most economically significantly.

The Harper Creek Deposit, discovered and delineated during the late 1960's, is a large low grade copper deposit with a geological reserve estimated down to 1500 m level @ 116,500,000 tonnes @ 0.39% copper and an open pit reserve estimated at 70,700,000 tonnes @ 0.41 % copper and 0.045 g/t gold. The deposit is confined to shallow dipping tabular shaped zones within the Devonian part of the Eagle Bay Formation metasedimentary and metavolcanic

Sulphide mineralization in the Harper Ore Zone is associated with quartz/sericite phyllites, chloritic phyllite, carbonaceous phyllite and sericitic quartzite. Mineralization consists mainly of chalcopyrite, with minor amounts sphalerite, galena, arsensopryte, molybdenite, tetrahedrite-tennantite, bornite, and cubanite occurring as disseminations alone foliation and in quartz/carbonate veins. Within this the disseminated zone, laminated pyrite and/or chalcopyrite and banded concentrations in which pyrite contain exceeds 10% and chalcopyrite may exceeds 4% have been reported. The pyrite/rich bands are excessive of 9.375 m with chalcopyrite/rich bands up to 3.125 m thick. Numerous massive sulphide lenses ranging from 1.56 m to greater than 9.375 m in thickness have been observed within and outside the main disseminated ore zone. The lenses, which consist of pyrrhotite, pyrite and chalcopyrite, are described as have sharp or gradational context within the enclosing host rocks.

The northern limit of drilling on the deposit, which remains open down dip showed the mineralized horizons to be increasing in thickness and copper grade.

A feasibility report conducted in May 1988, on the Harper Deposit, made the following statement and recommendation relating to the genesis of the deposit:

The Hail Harper Creek Copper Prospect was generally regarded as being metamorphic/hydrothermal in origin. Recently the possibility of a volcanogenic-exhalative related mineralization has been accepted more widely. The recent theory is supported by the pyroclastic nature of some of the lithological units, the numerous sulphide lenses observed in the area and the likelihood of mineralization – hydrothermal ulteration relationship. This hypothesis opens up new possibilities and increases the exploration potential of the area. Extending exploration could then result in developing more tonnage with potentially higher copper values possibly associated with precious metals and, ultimately, lead to the discovery of polymetallic massive mineralization.

Gold Bank successfully operated a two-phase 1990-1991 exploration program. Funding totaling $411,001.62 was provided under two separate agreements by International Suneva Resources Ltd. and Adrian Resources Ltd. The initial $250,000 expenditure resulted in Suneva (now known as Nevsun Resources Ltd.) earning 50% interest in the project. To date the company and its partners have expended a total of $516,251.62 on the project.

Previous exploration (done by Goldbank Ventures Ltd.) has identified 5 anomalous zones. Summary results and highlights are:

- The property is partly underlain by a thick sequence of at least 781.25 m of intermixed felsic flows and clastics, sediments and mafic volcanics. Within the sequence stratiform semi-massive to massive sulphide mineralization occurs as discrete stratabound horizons associated with silicified felsic tuffs and quartz porphyritic felsic flows.
- Twelve distinctive mineralized horizons, varying 1 – 42 m thick have been so far identified of which 4 contain significant mineralization.
- The Nicanex showing, which is present in outcrop consists of a narrow massive sulphide horizon of pyrrhotite, sphalerite and chalcopyrite which returned grab sample assays up to 9.28% zinc, 0.59% copper and 0.480 g/t gold. The Nicanex showing is believed to represent the last remnant of a third zinc-rich mineralized horizon occurring above the Upper Zone.

- The Upper Zone , which is some 42 m thick, was intersected in five drill holes. It includes disseminated to semi-massive pyrrhotite with lesser pyrite, chalcopyrite, sphalerite and galena. The Upper Zone returned assays of up to 0.20% copper over 23.64 m.

- The Main Zone, which is 27 m thick, was intersected in seven drill holes and occurs 50 m below the Upper Zone. Mineralization consists of disseminated to massive pyrrhotite with disseminated chalcopyrite and pyrite. The Main Zone has returned assays of up to 0.24% copper over 6.76 m.

- The Fourth Zone, referred to as the Road showing, occurs as outcrop approximately 3.5 km east of the Nicanex showing at a higher stratigraphic level. It consists of disseminated pyrite ± chalcopyrite ± galena has returned grab sample assays up to 0.28% copper, 0.18 % zinc, 0.19% lead, 154 ppb gold. One hole was drilled to test the Road showing, returned assays of 0.22 % zinc, 0.07% lead, 1.71 g/t silver over 6.0 m.(Geology shown in figure E).

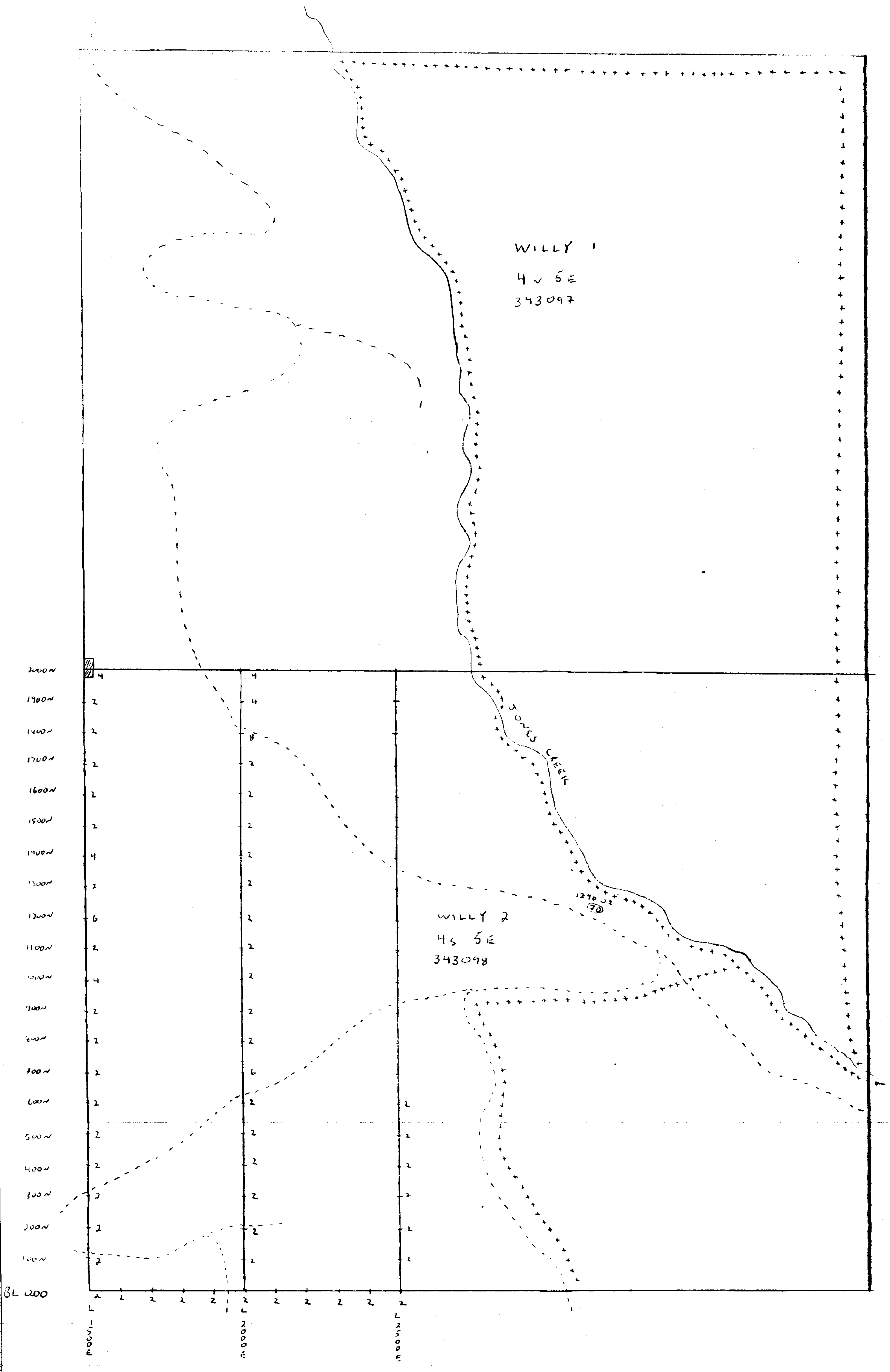
The Samatosum deposit occurs outside the claim areas but is of particular significance because of its similar geological setting. The Samatosum deposit is located approximately 55 km south, just west of Adams Lake. It is a zone of massive to disseminated tetrahedrite, sphalerite, galena, pyrite and chalcopyrite with minor bornite and arsenopyrite in a silicified and sericitized, impure quartzite, wacke, siltstone sequence. Width varies from 10 cm to 12 m. Mineralization also occurs in a quartz vein which cuts and is parallel to the main mineralized zone. Reserves are estimated as 711,000 tonnes grading 831 g/t Ag, 1.5 g/t Au, 1.0 % Cu, 1.4 % Pb and 2.2 % Zn (Canadian Mines Handbook,1990-91).

6.0 NEW EXPLORATION

Phase 1'a' Exploration

Phase one "a" exploration consisted of a extensive soil and rock-sampling program.
This program was initiated to try to narrow down a anomalous zones, which was discovered during earlier exploration but not completely followed up on. This part of the program started at a roadside outcropping that had visible quartz-chalcopyrite,pyrite, and sulphide mineralization.

M1



ROADS - - - - -
GRID
LCP
CREEK
TRAVERS ROUTE + + + +

Willy 1+2 (Clearwater)	
Soil Sample Location Map	
Au. Travese Route	
Project No:	By: L Crittenden
Scale: 1-10 000	Drawn:
Figure No: 3	Date: Oct 1997

A soil geochemical survey grid was placed over 6 km, samples were taken every 100 m, lines were spaced every 500m. Samples were approximately 1 kg in bulk. All samples were taken at a depth of 40-cm resulting in, good B-Horizon sample recovery. All sample locations tagged and recorded by color, texture, depth and sample number, as well as location.(see enclosed 1:10,000 map, figure 3) A total of 52 soil samples were collected. All samples were analyzed for gold and 30 element ICP using atomic absorption. This phase was hampered by extreme winter conditions resulting in, prior to taking soil samples 2 m of snow had to be removed to uncover ground at every soil sample location. Geochemical highlights from this area are as follows:

Sample Name	Gold ppb	Other ppm	
2000 E 1800 N	8	18 Cu	79 Zn
1500 E 800 N	2	25 Cu	123 Zn
1500 E 700 N	2	30 Cu	121 Zn

In addition to soil samples. Rock samples taken from exposed and unexposed outcropping along traversing routes were recovered, resulting in 2 rock samples taken, samples were taken at areas of visible mineralization within volcanic / sedimentary outcroppings. Resulting geochem highlights are as follows.

Sample Name	Gold ppb	Other ppm
Jones 1296-01	10	82 As, 71 Cu, 104 Zn
Jones 1296-02	70	429 As, 40 Cu, 21 Zn

Phase 1 'b' Exploration.

Phase 1 'b' exploration consisted of extensive traversing over claim area 15.9 km in total the reason for this phase identification of outcropping. This phase of explorations was also severely hampered by extreme winter conditions resulting in the traverse to require snowshoes.

This severe winter condition resulted from a 1.8 m snow fall in area November 30, 1996 therefore requiring the extra expense of snowmobiles and other winter working equipment.

7.0 ANALITICAL METHODS

All samples have been analyzed for gold and all base minerals. (Au, ICP) Rock samples have been crushed and sieved at 0.80 mesh. Soil and silt samples were dried at 75°c. Then sieved at 0.80 mesh. Result procedure consists of 0.8 gr. digested in dilute Aqua-Regio in boiling water for up to 2 hours, balked with demineralized water and analyzed by atomic absorption. Sensitivity for such analytical results is 1 ppm.

8.0 Statement of Expenditures

ITEM	DAYS	COST PER DAY	TOTAL
Manpower			
Supervisor	5	$ 250.00	$ 1,250.00
Local labor	5	$ 150.00	$ 750.00
Accommodations	5	$ 70.00	$ 350.00
Food	5	$ 70.00	$ 350.00
Transportion	5	$ 125.00	$ 625.00
Fuel	5	$ 25.00	$ 125.00
Supplies	5		$ 150.00
Lab Processing		54 samples @ $ 30.00 each	$ 1,620.00
MOB/DEMOB			$ 800.00
		TOTAL COSTS....................	**.$...6020.00**

9.0 Specific Dates on Site

1. December 1, 1996
2. December 2, 1996
3. December 3, 1996
4. December 4, 1996
5. December 5, 1996

10.0 Conclusions

Phase 1 'a' geological and geochemical exploration of the Willy 1 and 2 claims has resulted in a few samples coming in above background noise for Au. As soil geochemistry is located in a area that is underlain by the Eagle Bay Rock Formation. The most prominent geological feature of this area is a northerly trending belt of highly deformed, metamorphosed, Paleozoic and Mesozoic ?, Eugeosynclinal rocks of the Eagle Bay Formation which, together with the rocks of the Shuswap Metamorphic Complex (Monashee Group), define the western limit of the eastern fold belt. This belt is flanked on the west by relatively undeformed and unmetamorphized Late Paleozoic and Mesozoic Eugeosynclinal Volcanic and Sedimentary rock. The division between the two provinces is obscure and appears to be gradual.

It is recommended that soil geochemistry survey grid be extended to the north and south to expand the information/lack of information on Au, Cu, As, Zn, Ag. More traversing to acquire extra rock formations to tie in local geology.

Respectively Submitted

November, 1997 Larry Crittenden

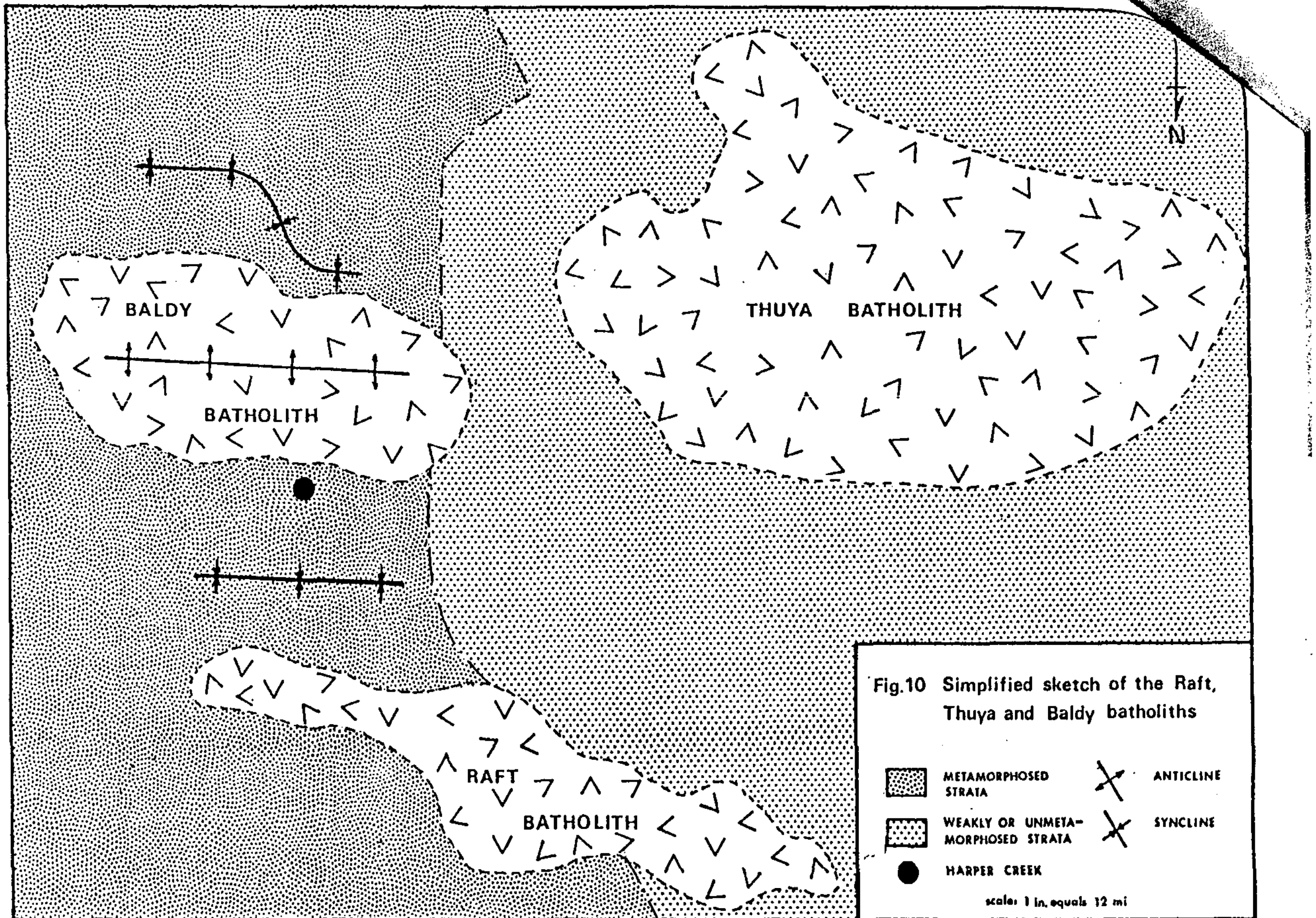


Fig.10 Simplified sketch of the Raft, Thuya and Baldy batholiths

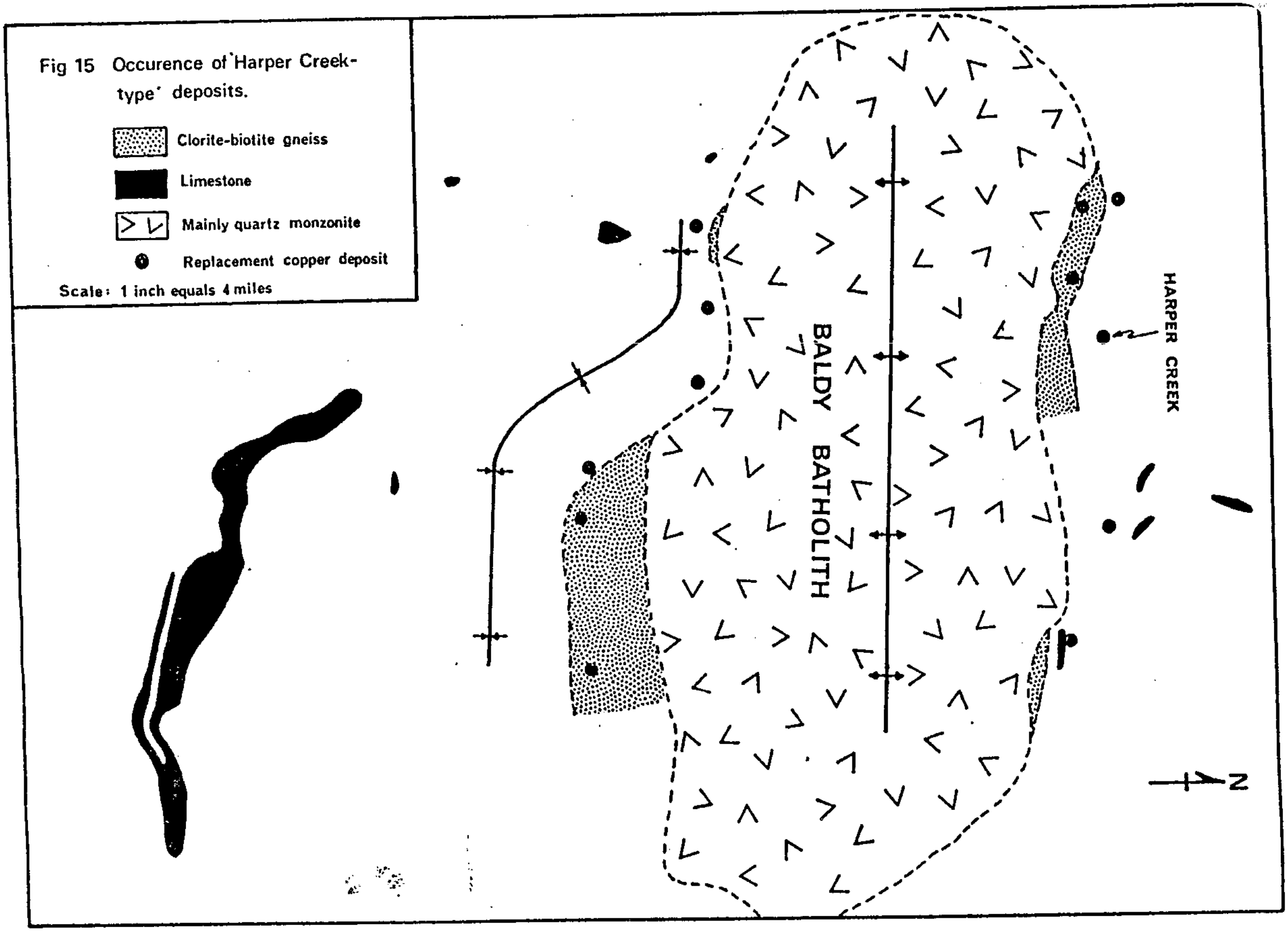


Fig 15 Occurence of 'Harper Creek-type' deposits.

11.0 Statement of Qualifications

I Larry Crittenden, do hearby certify:

1. That I have been a professional prospector for approximately 14 years, working for numerous different companies and clients, as well as for myself. I have also been employed in mineral exploration overseas as a project manager.

2. That the opinions and conclusions contained herein are based on fieldwork carried out by C.M.E Consulting personnel.

3. That I own no direct , indirect or contingent interest in the subject property's or shares or securities in any associated companies.

Vancouver B.C.
Nov 1, 1997

LARRY CRITTENDEN

ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

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British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

To.: CME & COMPANY
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Guernsey GYI 4JQ , Channel Islands.

Project: Larry Crittenden

Type of Analysis: ICP

Certificate: 97006
Invoice: 50778
Date Entered: 97-01-14
File Name: CME97006.I
Page No.: 2

PRE FIX	SAMPLE NAME	PPB Au AA	PPM AG	% AL	PPM AS	PPM BA	PPM BE	PPM BI	% CA	PPM CD	PPM CO	PPM CR	PPM CU	% FE	% K	PPM LA	% MG	PPM MN	PPM MO	% NA	PPM NI	PPM P	PPM PB	PPM SB	% SI	PPM SR	% TI	PPM V	PPM W	PPM ZN
S	2000E 900N	2	0.1	1.82	10	62	1	6	0.10	1	1	1	13	3.18	0.05	8	0.10	229	1	0.01	6	1106	24	1	0.08	8	0.04	28	2	54
S	2000E 1000N	2	0.4	1.04	3	56	1	5	0.12	1	4	1	17	2.68	0.05	14	0.22	73	1	0.01	13	520	15	1	0.04	10	0.02	23	4	48
S	2000E 1100N	2	0.2	0.89	14	40	1	4	0.04	1	1	11	10	1.39	0.03	9	0.06	77	2	0.01	6	590	24	1	0.04	5	0.02	18	3	22
S	2000E 1200N	2	0.6	1.59	2	72	1	1	0.65	1	3	1	13	1.43	0.03	6	0.19	187	1	0.01	9	502	6	1	0.07	57	0.06	17	1	37
S	2000E 1300N	2	0.4	0.90	22	51	1	1	0.06	1	1	1	20	1.99	0.05	9	0.14	128	1	0.01	13	706	21	1	0.03	6	0.02	22	1	37
S	2000E 1400N	2	0.3	3.21	22	120	1	18	0.09	1	12	10	28	2.53	0.06	11	0.17	198	1	0.01	26	582	39	1	0.04	11	0.08	20	1	98
S	2000E 1500N	2	0.7	1.48	18	143	1	1	0.35	1	8	4	26	2.07	0.08	10	0.37	1136	1	0.01	21	652	15	1	0.03	34	0.02	23	1	76
S	2000E 1600N	2	0.8	1.98	12	83	1	1	0.11	1	3	30	16	2.57	0.05	8	0.16	86	1	0.01	15	425	31	1	0.07	10	0.03	17	1	61
S	2000E 1700N	2	0.5	3.12	19	114	1	11	0.12	1	6	32	17	2.74	0.04	6	0.10	1227	1	0.01	14	4236	45	1	0.06	11	0.09	23	1	84
S	2000E 1800N	8	0.4	1.64	25	70	1	14	0.08	1	5	17	18	2.31	0.04	10	0.18	256	2	0.01	15	1043	24	1	0.08	7	0.03	20	1	79
S	2000E 1900N	4	0.2	0.97	8	105	1	6	0.13	1	6	3	17	1.58	0.05	10	0.14	332	1	0.01	15	325	19	1	0.03	12	0.04	21	1	53
S	2000E 2000N	4	0.1	1.56	2	88	1	5	0.07	1	6	21	13	1.56	0.05	7	0.09	236	1	0.01	12	829	5	1	0.05	7	0.06	21	1	50
A1	Jones 1296-01	10	0.1	1.36	82	51	1	1	2.30	1	20	154	71	5.06	0.12	6	1.17	784	1	0.01	82	647	1	1	0.07	68	0.01	25	1	104
A1	Jones 1296-02	70	0.1	0.10	429	22	1	1	0.69	1	5	198	40	1.64	0.03	7	0.21	602	2	0.01	8	338	1	1	0.02	46	0.01	1	1	21

CERTIFIED BY :

ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

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Project: Larry Crittenden
Type of Analysis: ICP

Certificate: 97006
Invoice: 50778
Date Entered: 97-01-14
File Name: CME97006.I
Page No.: 1

PRE FIX	SAMPLE NAME	PPB Au AA	PPM AG	% AL	PPM AS	PPM BA	PPM BE	PPM BI	% CA	PPM CD	PPM CO	PPM CR	PPM CU	% FE	% K	PPM LA	% MG	PPM MN	PPM MO	% NA	PPM NI	PPM P	PPM PB	PPM SB	% SI	PPM SR	% TI	PPM V	PPM W	PPM ZN
S	BL 1500E	2	0.7	1.41	20	74	1	1	0.14	1	7	28	38	2.82	0.06	9	0.68	166	2	0.01	39	569	1	1	0.02	9	0.03	33	1	47
S	BL 1600E	2	0.5	0.96	23	64	1	1	0.08	1	3	40	36	2.97	0.05	11	0.41	186	2	0.01	10	571	1	1	0.03	7	0.03	31	1	48
S	BL 1700E	2	0.7	0.30	6	43	1	1	0.04	1	1	31	3	0.76	0.02	6	0.04	85	1	0.01	3	345	5	1	0.02	4	0.03	17	1	15
S	BL 1800E	2	0.6	0.66	9	76	1	1	0.08	1	4	35	18	1.85	0.04	10	0.13	97	1	0.01	8	437	14	1	0.03	8	0.07	30	1	41
S	BL 1900E	2	0.4	0.76	35	62	1	1	0.06	1	3	34	8	1.74	0.05	11	0.15	115	1	0.01	11	344	17	1	0.03	6	0.02	21	1	40
S	BL 2000E	2	0.5	1.17	29	112	1	1	0.10	1	5	22	19	1.80	0.09	13	0.27	372	1	0.01	17	660	20	2	0.03	12	0.02	21	1	71
S	BL 2500E	2	0.3	0.82	17	62	1	1	0.07	1	5	7	15	2.06	0.06	9	0.14	485	1	0.01	10	751	6	1	0.03	5	0.05	25	1	51
S	BL 2600E	2	0.3	0.20	10	34	1	1	0.03	1	1	14	10	0.94	0.03	11	0.03	347	2	0.01	4	216	1	1	0.03	4	0.01	9	1	23
S	BL 2700E	2	0.6	0.35	12	48	1	1	0.03	1	1	23	5	0.49	0.02	12	0.04	17	2	0.01	5	171	3	1	0.03	6	0.01	8	1	11
S	BL 2800E	2	0.7	2.20	19	61	1	1	0.07	1	1	19	15	3.46	0.03	11	0.14	67	1	0.01	7	626	1	1	0.07	8	0.05	34	1	45
S	BL 2900E	2	0.6	0.63	11	28	1	1	0.03	1	1	1	11	2.31	0.04	10	0.10	74	1	0.01	8	574	14	1	0.02	3	0.03	26	2	32
S	BL 3000E	2	0.5	0.19	2	17	1	5	0.02	1	2	3	2	0.33	0.02	4	0.01	23	1	0.01	3	172	10	1	0.02	2	0.02	10	3	13
S	1500E 100N	2	0.2	1.64	34	64	1	11	0.05	1	5	27	47	3.34	0.06	14	0.56	164	1	0.01	24	521	15	1	0.04	4	0.02	28	1	80
S	1500E 200N	2	0.2	0.57	10	51	1	1	0.06	1	3	1	22	1.37	0.05	12	0.13	55	1	0.01	7	339	14	1	0.03	5	0.02	21	1	39
S	1500E 300N	2	0.6	1.30	4	62	1	1	0.56	1	3	1	68	1.74	0.03	27	0.09	773	1	0.01	10	543	10	1	0.04	27	0.06	21	1	55
S	1500E 400N	2	0.2	1.42	19	83	1	1	0.09	1	10	9	21	2.60	0.06	15	0.49	254	1	0.01	27	567	17	1	0.03	7	0.02	26	2	83
S	1500E 500N	2	0.4	1.40	20	76	1	1	0.29	1	15	5	66	3.02	0.08	18	0.52	664	1	0.01	34	615	23	1	0.03	16	0.02	25	1	103
S	1500E 600N	2	0.3	1.34	2	91	1	1	0.62	1	8	9	28	2.42	0.09	12	0.25	258	1	0.01	22	426	12	1	0.03	33	0.04	24	1	83
S	1500E 700N	2	0.6	1.73	19	132	1	4	0.17	1	10	38	30	3.19	0.09	18	0.45	448	1	0.01	47	494	44	1	0.02	18	0.02	24	1	121
S	1500E 800N	2	0.5	1.76	27	83	1	4	0.06	1	9	13	25	2.95	0.11	16	0.29	171	1	0.01	28	548	45	1	0.04	6	0.02	18	1	123
S	1500E 900N	2	2.2	2.09	17	197	1	12	0.61	1	8	19	45	3.11	0.10	15	0.31	1697	1	0.01	37	683	29	1	0.02	37	0.02	22	1	102
S	1500E 1000N	4	0.7	2.14	17	167	1	5	0.56	1	12	23	35	3.38	0.11	10	0.32	460	1	0.01	37	588	30	1	0.02	40	0.02	24	1	92
S	1500E 1100N	2	0.1	0.91	4	63	1	1	0.10	1	11	1	29	2.99	0.08	17	0.37	229	1	0.01	25	489	30	1	0.02	10	0.01	17	1	73
S	1500E 1200N	6	0.1	1.03	31	44	1	9	0.04	1	13	1	32	3.18	0.06	27	0.44	370	1	0.01	28	297	14	1	0.02	5	0.01	14	1	72
S	1500E 1300N	2	0.1	1.08	33	55	1	1	0.26	1	12	1	41	3.38	0.08	21	0.42	456	2	0.01	35	363	26	1	0.02	26	0.01	13	1	81
S	1500E 1400N	4	0.1	0.62	2	68	1	1	0.08	1	3	1	22	1.96	0.07	15	0.15	95	3	0.01	13	351	24	1	0.02	9	0.01	17	1	50
S	1500E 1500N	2	0.2	1.14	32	77	1	1	0.16	1	12	1	33	3.15	0.07	19	0.37	451	1	0.01	32	467	47	1	0.03	15	0.01	18	1	83
S	1500E 1600N	2	0.1	1.18	8	74	1	1	0.12	1	5	1	12	1.90	0.06	9	0.21	419	1	0.01	16	1006	12	1	0.04	10	0.04	20	1	71
S	1500E 1700N	2	0.1	0.95	33	67	1	4	0.14	1	11	1	30	2.52	0.06	18	0.35	444	1	0.01	28	715	14	1	0.03	11	0.01	15	1	78
S	1500E 1800N	2	0.2	2.05	15	203	1	1	0.74	1	8	1	39	3.13	0.12	13	0.40	739	1	0.01	37	557	13	1	0.03	62	0.03	22	1	82
S	1500E 1900N	2	0.2	1.18	27	114	1	9	0.13	1	5	1	12	1.55	0.07	9	0.15	307	2	0.01	15	1251	18	1	0.04	8	0.05	18	5	78
S	1500E 2000N	4	0.1	1.26	28	99	1	1	1.00	1	16	1	38	3.47	0.09	16	0.77	658	2	0.01	40	1054	17	1	0.03	46	0.02	25	1	99
S	2000E 100N	2	0.5	0.92	22	49	1	3	0.05	1	1	8	14	1.50	0.04	12	0.12	86	2	0.01	9	424	23	1	0.03	4	0.02	19	4	30
S	2000E 200N	2	0.1	1.07	19	49	1	1	0.05	1	1	1	11	2.84	0.04	12	0.26	96	1	0.01	10	659	16	1	0.02	5	0.02	33	1	43
S	2000E 300N	2	0.3	0.88	2	80	1	1	0.35	1	2	2	15	0.82	0.04	11	0.13	83	1	0.01	6	442	18	1	0.03	20	0.03	15	3	57
S	2000E 400N	2	0.2	0.59	10	56	1	1	0.08	1	2	1	8	0.83	0.06	13	0.22	130	1	0.01	9	349	19	1	0.03	5	0.02	20	4	28
S	2000E 500N	2	0.2	1.29	14	128	1	1	0.20	1	20	10	22	3.10	0.09	11	0.72	1707	1	0.01	38	748	38	1	0.03	13	0.04	46	1	113
S	2000E 600N	2	0.4	0.82	2	58	1	1	0.05	1	3	1	8	1.52	0.05	13	0.26	58	2	0.01	12	333	5	1	0.03	6	0.02	26	3	36
S	2000E 700N	6	0.2	0.64	16	45	1	1	0.02	1	3	7	6	1.30	0.03	10	0.17	137	2	0.01	8	525	11	4	0.03	3	0.02	27	4	27
S	2000E 800N	2	0.1	1.96	30	65	1	6	0.11	1	5	1	18	3.57	0.06	8	0.50	198	1	0.01	15	999	21	1	0.08	7	0.09	72	3	56

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