PHOTOGRAPHS OF THE BENNETT RANGE PROJECT

105D/2

93-044

YUKON MINING INCENTIVE PROGRAM 93-044
SUMMARY REPORT - 30 Dec 93

LOCATION The Bennett Range Project is located on NTS mapsheet 105D/02 just east of Monroe Lake on the West Arm of Bennett Lake It ranges in altitude from 2100 feet to 5100 feet and includes most of the east slope of Finger Mountain Three major fault structures were examined on the west side of Finger Mountain (AD, AB, and PP fault zones) but the east slope contained most of the mineralization On the east slope of Finger Mountain 14 fault zones (IE, IF, HC, HB, GF, RA, RB, FC, FB, EB, EA, DC, CA, and BD fault zones) were examined and 181 samples were taken In addition to the 14 fault zones on the east side of Finger Mountain is the ore zone that cuts the IE, HB, GF, RA, RB, FC and FB faults on strike (?) and at an azimuth of approximately 50 degrees

ACCESS From a boat launch at the Carcross Airport (dirt runway just east of Carcross) we boated past the town of Carcross, under the highway bridge, under the narrow gage railroad bridge, and down Bennett Lake toward the Bennett Range From Prejevaisky Point we went down the south side of the West Arm of Bennett Lake to camp YMIP (we named it camp YMIP and put up a flagpole and flag) located at the mouth of 007 creek (see map) From camp YMIP we worked DC, CA, BD, PP, AB and AD fault zones via Bennett Lake and by access trail via the west trail around 007 Lake to the other zones The only other access would be by helicopter in that there are no roads or trails into the Finger Mountain area

GEOLOGY The Bennett Range Project on Finger Mountain lies within the eastern margin of the Coast Plutonic Complex The Coast Plutonic Complex consists of cretaceous granites which intrude and lie under low grade metamorphic sediments and volcanics of the Mesozoic Whitehorse-Nechako Trough and quartzites, schists, and gneisses of the late Precambrian/Early Paleozoic Yukon Group The upper most units of the Trough consist of conglomerates of the Jurrassic to Cretaceous Tantalus Formation These are overlain by subaerial intermediate volcanics of the Cretaceous Mt Nanson group Approximately 10 km west of Finger Mountain is the Bennett Lake Caldera Its a well developed ring fracture and dyke system with late stage rhyolite and andesite dykes that intrude into Finger Mountain area (?) Tertiary rhyolite and andesite dykes crosscut older rocks and are exposed in several of the east/west faults (IE, HB, GF, and FB fault zones) The volcanics are gray to green weathering and are found at the top of the talus slopes and form prominent cliffs The Cretaceous granite is a medium grained k-feldspar megacrystic hornblende that weathers to a pink/gray outcropping rock The conglomerate is a rusty and gray weathering outcrop and consists mostly of chert and quartz pebbles with some interbedded siltstones The granite, conglomerates and volcanics are cut by east/west trending faults The rhyolite dykes appear to strike with the east/west faults The ore zone appears to strike approximately 50 degrees and is exposed by the east/west fault zones The ore zone is approximately 20/30 meters wide and is formed in a wide alteration of silicification It consists of fine

grained quartz, rusty pyrite, kaolinite and montmorillonite clay, epidote, sericite and chlorite The ore zone has been traced for over a km by following the exposed rusty (limonite/hematite) gossans that are exposed by the east/west fault zones Several anomalous Au assays were taken (see assays that were submitted with final submission form)

WORK DONE A detailed traverse up 17 fault zones, as outlined in the accompanying map, with 181 samples taken and 100 samples assayed The project started on the 22nd of June and ran until the 4th of August 1993 It covered over 20 square kilometers and outlined an ore zone that strikes for over a kilometre During the course of the exploration program we staked 10 claims (the Goldfinger 1-10) to cover the ore zone and filed these claims with the Whitehorse Mining Recorders Office on the 12th of July 1993

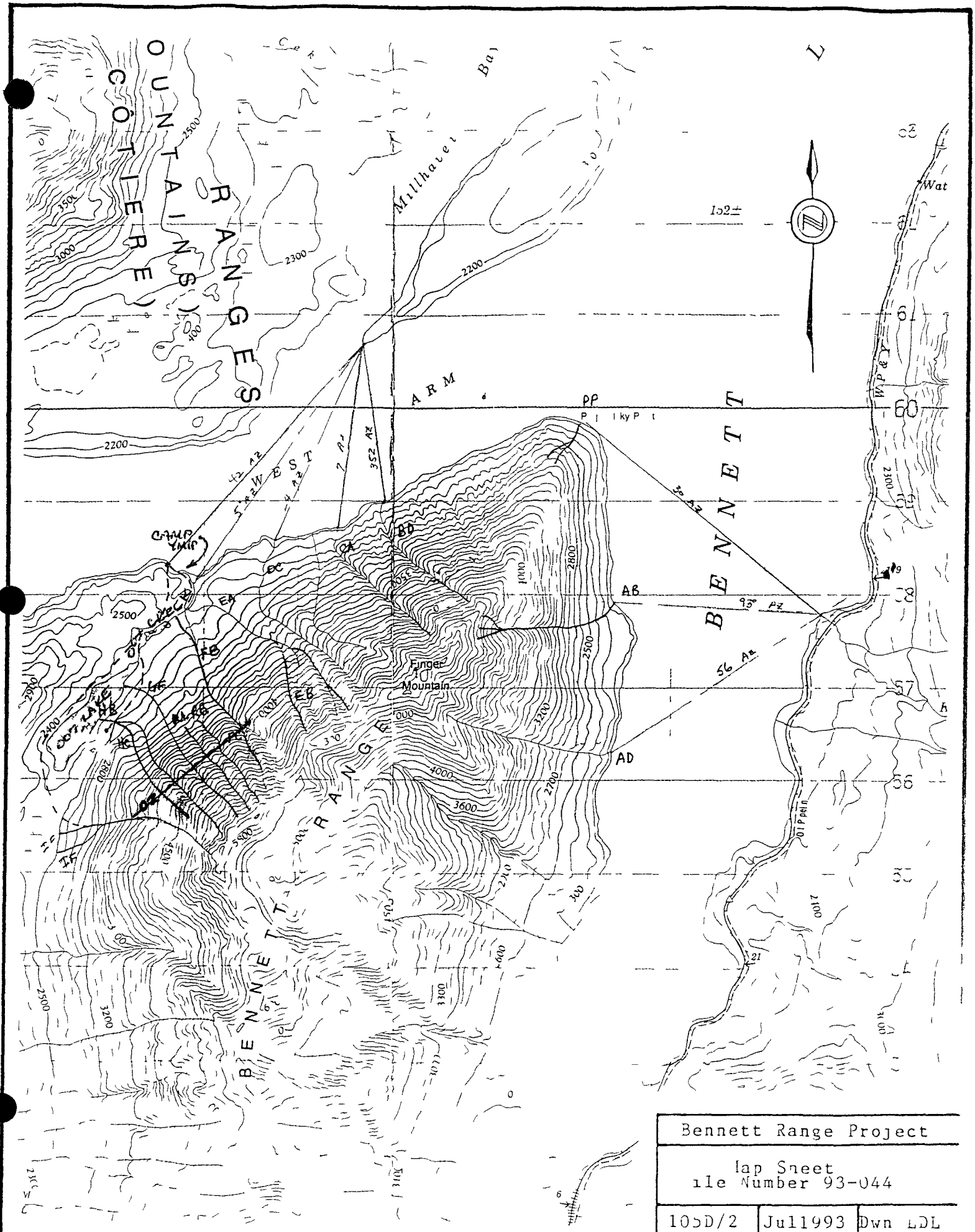
RESULTS An ore zone striking for over a kilometre and assay values as follows

1 OZ-LL-13 485 ppb Au
2 OZ-LL-16 1 43 g/t Au
3 OZ-LL-22 160 ppb Au
4 OZ-LL-23 255 ppb Au
5 IF-LL-4 380 ppb Au
6 IE-LL-4 115 ppb Au
7 HC-LL-7 95 ppb Au
8 HC-LL-8 13 73 g/t Au
9 HC-LL-9 130 ppb Au
10 HC-LL-10 9 34 g/t Au
11 HC-LL-11 5 61 g/t Au
12 HB-LL-12 120 ppb Au
13 GF-LL-6 640 ppb Au
14 RA-LL-4 730 ppb Au
15 RB-LL-1 180 ppb Au
16 FC-LL-4 18 47 g/t Au
17 FC-LL-5 4 61 g/t Au
18 FC-LL-6 1 01 g/t Au
19 FC-LL-7 375 ppb Au
20 EB-LL-8 125 ppb Au

The anomalous gold values to 18 47 g/t Au are most encouraging and definitely identify a prospect warranting further exploration

RECOMMENDATIONS A detailed geochemical and geophysical survey over an established grid and baseline A 1 5 kilometre baseline with gridlines every 100 meters and station intervals every 20 meters The baseline would follow the ore zone (50 degree azimuth) and gridlines would run east and west off of the baseline A VLF/EM survey and a magnetometer survey would be run in conjunction with a soil sampling of the B-horizon The geophysical surveys would outline the continuous strike of the ore zone and delineate the structural geology and the geochemical survey would define the economic potential of the deposit I will be forwarding a detailed proposal for the 1994 Yukon Mining Incentive Program

Larry D Lutjen - Prospector



Bennett Range Project		
Map Sheet File Number 93-044		
105D/2	Jul1993	Dwn LDL
Yukon	1 50 000	Fig 1

CAMP YMIP ON THE WEST ARM OF BENNETT LAKE

HOME SWEET HOME

ON THE ORE ZONE OVERLOOKING MILLIHAVEN BAY

ON THE IE FAULT ZONE

ON THE HC FAULT ZONE OVERLOOKING MONROE LAKE

ON THE GF FAULT ZONE OVERLOOKING 007 LAKE

ON THE HB FAULT ZONE

ON THE FB FAULT ZONE

ON THE EA FAULT ZONE

ON THE DC FAULT ZONE

ON THE CA FAULT ZONE (L.LUTJEN)

ON THE BD FAULT ZONE (L.LUTJEN)

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10041 E Trans Canada Hwy R R #2 Kamloops B C V2C 2J3 Phone (604) 573 5700
Fax (604) 573 4557

OCTOBER 4, 1993

CERTIFICATE OF ASSAY ETK 93-389

LARRY LUTJEN
BOX12 RR#1
CHASE, B C

SAMPLE IDENTIFICATION 100 ROCK samples received SEPTEMBER 22, 1993

ET#	Description	Au (g/t)	Au (oz/t)
16-	02-LL-16	1 43	042
46-	HC-LL-8	13 73	400
48-	HC-LL-10	9 34	272
49-	HC-LL-11	5 61	164
79-	FC-LL-4	18 47	539
80-	FC-LL-4	4 61	134
81-	FC-LL-6	1 01	029

ECO-TECH LABORATORIES LTD
FRANK J PEZZOTTI, A Sc T
B C Certified Assayer

SC93/kmisc

ECO-TECH LABORATORIES LTD
10041 EAST TRANS CANADA HWY
KAMLOOPS B C V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

OCTOBER 12 1993

LARRY LUTJEN ETK 93-389
BOX 12 RR#1
CHASE B C

100 ROCK SAMPLES RECEIVED SEPTEMBER 27 1993
PROJECT # YUKON SURVEY

VALUES IN PPM UNLESS OTHERWISE REPORTED

ET#	DESCRIPTION	AU (ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
1	- 0Z - LL - 1	5	8	20	10	6	145	<5	2 60	<1	2	227	17	57	11	<10	03	424	35	< 01	8	30	154	<5	<20	175	< 01	<10	4	<10	4	9
2	- 0Z - LL - 2	5	2	92	10	2	290	<5	10	<1	2	55	11	2 07	47	50	< 01	28	8	02	2	290	22	<5	<20	66	< 01	<10	9	<10	2	4
3	- 0Z - LL - 3	10	4 6	96	50	4	65	<5	21	<1	3	582	130	2 86	25	10	03	184	45	03	10	60	108	<5	<20	28	< 01	<10	4	<10	6	46
4	- 0Z - LL - 4	15	3 2	98	45	6	35	<5	29	<1	3	138	102	2 75	18	<10	04	302	15	02	2	70	66	<5	<20	24	< 01	<10	2	<10	7	61
5	- 0Z - LL - 5	5	2 8	80	20	6	60	<5	10	<1	2	150	84	1 96	28	<10	04	207	16	03	4	80	78	<5	<20	12	< 01	<10	2	<10	8	47
6	- 0Z - LL - 6	5	2 8	95	25	4	50	<5	26	<1	1	198	81	1 32	26	<10	02	129	18	02	3	70	52	<5	<20	23	01	<10	2	<10	8	26
7	- 0Z - LL - 7	5	< 2	72	10	8	80	5	31	<1	9	98	19	2 34	13	10	26	408	6	06	6	620	16	<5	<20	26	15	<10	39	<10	22	50
8	- 0Z - LL - 8	20	< 2	73	5	4	80	10	31	<1	9	98	17	2 38	13	10	27	417	6	06	7	640	16	<5	<20	26	15	<10	40	<10	23	51
9	- 0Z - LL - 9	5	< 2	62	5	4	70	5	30	<1	9	60	13	2 31	13	20	19	314	3	06	5	620	10	<5	<20	25	15	<10	43	<10	26	54
10	- 0Z - LL - 10	5	< 2	80	5	4	125	10	41	<1	9	208	11	2 39	18	10	23	560	13	10	7	720	10	<5	<20	35	16	<10	41	<10	25	58
11	- 0Z - LL - 11	5	< 2	2 72	5	4	115	5	1 54	<1	19	115	27	3 62	06	20	67	613	1	19	40	510	22	5	<20	155	11	<10	79	<10	23	40
12	- 0Z - LL - 12	5	< 2	79	5	4	50	5	27	<1	8	105	16	2 18	15	20	19	273	7	06	5	570	10	<5	<20	23	11	<10	42	<10	21	47
13	- 0Z - LL - 13	485	1 0	3 27	20	4	75	10	1 87	<1	26	122	51	3 91	13	<10	1 52	621	3	08	51	370	26	10	<20	234	22	<10	23	<10	19	49
14	- 0Z - LL - 14	5	< 2	2 97	15	6	45	10	1 84	<1	19	21	43	3 92	18	<10	1 16	858	<1	01	11	1010	30	10	<20	69	37	<10	84	<10	32	62
15	- 0Z - LL - 15	5	< 2	3 55	15	4	40	10	2 41	<1	19	27	79	3 64	20	<10	1 08	800	1	02	8	180	34	10	<20	90	35	<10	76	<10	32	59
16	- 0Z - LL - 16	>1000	< 2	3 19	95	4	35	15	2 38	<1	26	51	58	5 35	11	<10	1 25	470	<1	04	12	640	36	15	<20	82	52	<10	35	<10	40	49
17	- 0Z - LL - 17	5	< 2	6 85	15	2	285	15	1 36	<1	52	216	81	6 30	11	<10	4 47	1199	2	11	179	430	42	15	<20	138	32	<10	91	<10	38	51
18	- 0Z - LL - 18	5	8	94	10	4	160	<5	20	<1	1	106	37	42	43	<10	11	810	6	01	6	310	12	<5	<20	24	< 01	<10	10	<10	4	17
19	- 0Z - LL - 19	5	< 2	83	5	6	130	<5	19	<1	1	281	55	44	36	<10	07	376	18	02	6	220	18	<5	<20	12	01	<10	4	<10	4	19
20	- 0Z - LL - 20	5	< 2	84	5	4	75	<5	22	<1	1	85	65	35	41	<10	06	81	5	< 01	3	280	18	<5	<20	8	01	<10	4	<10	3	10

ET# DESCRIPTION	AU (ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
21 - 0Z - LL - 21	5	< 2	2 72	10	6	120	5	92	<1	22	63	41	3 01	35	10	69	391	3	02	12	480	40	5	<20	47	16	<10	34	<10	14	129
22 - 0Z - LL - 22	160	>30	81	10	6	55	<5	2 70	8	1	156	76	1 52	34	<10	04	224	9	< 01	4	<10	58	5	<20	37	< 01	<10	11	<10	2	6
23 - 0Z - LL - 23	255	>30	45	5	2	55	<5	1 63	2	<1	173	65	59	22	<10	03	951	11	< 01	3	160	10	<5	<20	179	< 01	<10	3	<10	4	5
24 - 0Z - LL - 24	40	>30	53	5	2	40	<5	1 44	1	<1	97	27	52	26	<10	03	261	6	< 01	3	150	14	<5	<20	250	< 01	<10	7	<10	4	2
25 - 0Z - LL - 25	5	2 0	85	5	6	90	<5	38	<1	1	364	61	49	42	<10	04	388	23	< 01	6	260	12	<5	<20	12	< 01	<10	6	<10	3	7
26 - 0Z - LL - 26	5	< 2	83	120	10	85	30	2 35	<1	14	67	80	>15	03	<10	07	186	<1	< 01	1	550	<2	15	<20	87	07	<10	80	<10	3	35
27 - 0Z - LL - 27	5	< 2	4 68	15	6	405	10	1 01	<1	16	115	47	3 65	19	20	62	503	4	10	7	420	48	5	<20	159	33	<10	74	<10	54	65
28 - 0Z - LL - 28	5	1 6	1 09	5	4	85	<5	18	<1	1	324	86	51	49	<10	06	215	20	< 01	5	210	14	<5	<20	11	< 01	<10	6	<10	3	12
29 - 0Z - LL - 29	20	>30	68	10	4	45	<5	17	<1	<1	118	72	58	34	<10	04	38	6	< 01	3	390	30	<5	<20	7	< 01	<10	13	<10	1	8
30 - 0Z - LL - 30	5	10 0	1 99	5	4	70	<5	14	<1	32	89	75	3 87	34	<10	40	734	4	< 01	4	250	28	<5	<20	6	< 01	<10	5	<10	1	93
31 - IF - LL - 1	40	4	1 09	20	6	65	<5	40	<1	5	211	47	1 53	31	<10	20	371	29	04	3	420	22	<5	<20	19	13	<10	20	<10	14	33
32 - IF - LL - 2	15	>30	70	5	6	45	<5	15	<1	1	256	86	90	34	<10	04	53	15	< 01	5	290	14	<5	<20	5	< 01	<10	14	<10	1	5
33 - IF - LL - 3	5	6	1 28	10	6	170	<5	68	<1	6	69	54	1 71	26	<10	41	715	3	06	2	510	22	<5	<20	30	16	<10	14	<10	17	47
34 - IF - LL - 4	380	6 6	44	45	8	25	<5	26	<1	5	891	81	2 25	21	<10	02	192	55	< 01	17	150	34	<5	<20	16	< 01	<10	5	<10	<1	25
35 - IF - LL - 5	5	1 4	2 01	10	10	75	<5	17	<1	12	229	109	3 89	18	10	1 25	506	14	06	16	440	58	5	<20	11	< 01	<10	23	<10	6	91
36 - IF - LL - 6	5	< 2	1 15	5	8	95	<5	23	<1	9	72	24	2 32	29	10	09	555	3	02	12	690	18	<5	<20	55	01	<10	47	<10	6	32
37 - IE - LL - 1	5	< 2	2 62	5	6	35	20	3 89	<1	45	366	16	4 52	03	<10	4 25	847	1	01	157	830	20	15	<20	142	40	<10	96	<10	26	50
38 - IE - LL - 2	5	< 2	80	5	6	145	<5	13	<1	5	177	9	1 00	26	<10	15	214	9	09	10	160	30	<5	<20	52	01	<10	9	<10	1	12
39 - IE - LL - 3	35	8	70	5	8	65	<5	11	<1	20	143	40	3 86	20	<10	03	388	8	04	34	390	106	<5	<20	38	02	<10	10	<10	5	45
40 - IE - LL - 4	115	>30	05	205	<2	20	<5	22	296	1	82	93	1 03	< 01	<10	03	24	5	< 01	4	90	109	5	80	120	< 01	<10	1	<10	<1	17
41 - IE - LL - 5	10	>30	38	40	6	100	<5	02	2	2	87	56	89	30	<10	< 01	69	5	06	4	60	4	65	60	154	< 01	<10	3	<10	<1	76
42 - IE - LL - 6	5	13 4	56	5	6	240	<5	09	<1	4	233	20	1 42	28	<10	01	155	11	10	11	270	28	15	20	190	< 01	<10	23	<10	6	55
43 - IE - LL - 7	25	>30	1 17	5	6	210	5	14	1	10	423	40	2 50	53	<10	52	321	23	09	19	270	22	45	40	53	09	<10	38	<10	7	102
44 - IE - LL - 8	5	3 4	14	5	6	30	10	26	<1	29	240	159	12 45	04	<10	< 01	51	11	< 01	40	150	44	5	<20	11	< 01	<10	<1	<10	<1	12
45 - HC - LL - 7	95	13 6	84	15	6	40	<5	2 55	2	4	202	17	1 57	57	<10	05	685	12	< 01	4	420	16	<5	<20	239	< 01	<10	4	<10	2	69

ET# DESCRIPTION	AU (ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
46 - HC - LL - 8	>1000	>30	39	320	6	25	20	03	30	13	402	28	1 15	25	<10	< 01	40	22	< 01	16	<10	10	5	<20	3	< 01	<10	<1	<10	<1	69
47 - HC - LL - 9	130	5 4	79	110	6	35	<5	1 77	1	2	143	6	1 04	54	<10	08	466	8	< 01	4	230	30	<5	<20	50	< 01	<10	1	<10	3	37
48 - HC - LL - 10	>1000	>30	12	565	<2	35	<5	1 36	11	17	513	32	4 76	04	<10	< 01	484	34	< 01	16	<10	52	10	<20	106	< 01	<10	<1	<10	<1	110
49 - HC - LL - 11	>1000	>30	13	610	6	15	5	06	15	9	75	60	6 08	04	<10	< 01	73	39	< 01	17	<10	34	<5	<20	3	< 01	<10	<1	<10	<1	67
50 - HC - LL - 12	45	6 0	1 68	10	6	80	<5	34	1	26	104	9	1 80	33	40	16	78	8	03	24	1000	16	<5	<20	89	01	<10	23	<10	7	117
51 - HC - LL - 13	20	2 6	1 26	10	2	45	5	5 55	<1	34	89	41	5 28	07	<10	98	584	3	03	16	300	96	15	<20	111	32	<10	82	<10	23	58
52 - HC - LL - 14	10	< 2	2 91	15	4	75	10	5 67	<1	33	114	20	5 92	13	<10	67	1252	6	04	13	380	82	20	<20	54	30	<10	164	<10	23	58
53 - HC - LL - 15	25	16 0	2 18	10	2	45	<5	4 85	20	19	86	85	9 85	27	<10	79	697	5	11	6	<10	42	15	<20	69	10	<10	39	<10	5	503
54 - HC - LL - 16	5	< 2	50	15	6	80	<5	3 51	<1	26	45	23	>15	01	<10	< 01	1801	<1	< 01	4	<10	<2	15	40	8	05	50	4	<10	<1	277
55 - HC - LL - 17	40	18 2	70	5	2	25	<5	<5	22	9	138	55	6 81	04	<10	26	384	9	02	4	880	40	15	<20	27	05	<10	10	<10	4	89
56 - HB - LL - 6	30	>30	69	340	90	50	10	3 27	61	4	69	48	5 34	67	<10	03	90	27	01	17	10	52	5	<20	93	< 01	80	1	<10	4	53
57 - HB - LL - 7	10	>30	87	255	6	70	<5	55	15	5	74	46	6 04	65	<10	03	88	49	< 01	16	70	80	5	<20	99	< 01	<10	4	<10	<1	59
58 - HB - LL - 8	5	2 6	4 76	15	18	55	10	4 93	<1	35	59	81	6 19	04	<10	33	788	1	05	18	500	36	25	<20	32	44	<10	217	<10	33	96
59 - HB - LL - 9	5	< 2	3 91	10	8	145	10	1 91	<1	22	58	10	5 84	21	<10	79	916	22	21	17	760	70	10	<20	22	38	<10	113	<10	37	86
60 - HB - LL - 10	5	< 2	3 82	10	2	290	15	4 06	<1	37	246	51	6 23	71	10	86	1054	1	06	91	920	2	15	<20	77	20	<10	166	<10	24	73
61 - HB - LL - 11	5	< 2	2 86	5	2	115	5	33	<1	20	35	50	6 16	34	10	57	897	3	03	35	740	88	10	<20	23	07	<10	137	<10	14	131
62 - HB - LL - 12	120	>30	10	240	<2	30	<5	12	84	1	67	66	1 64	01	<10	02	30	7	< 01	2	100	28	5	<20	12	< 01	10	2	<10	<1	41
63 - GF - LL - 5	5	>30	1 66	100	4	60	<5	1 06	7	12	210	78	2 76	08	30	62	800	10	03	32	710	16	25	<20	94	04	<10	18	<10	12	93
64 - GF - LL - 6	640	>30	1 31	35	<2	95	10	67	5	11	99	19	2 80	41	10	46	236	32	05	14	520	67	25	60	33	24	<10	105	<10	18	13
65 - GF - LL - 7	5	18 8	2 05	10	2	25	10	4 64	<1	30	83	23	6 23	75	<10	30	1257	3	01	52	750	56	35	20	59	< 01	<10	86	<10	2	88
66 - GF - LL - 8	5	14 8	58	5	18	15	10	5 63	<1	19	79	32	4 79	20	<10	77	725	5	02	38	90	78	30	20	105	< 01	10	12	<10	1	95
67 - GF - LL - 9	5	1 6	92	10	2	90	5	6 13	<1	27	34	23	4 99	29	<10	54	1057	<1	< 01	41	430	72	25	<20	45	< 01	<10	67	<10	1	61
68 - GF - LL - 10	5	2 8	1 07	10	6	65	<5	1 12	<1	8	83	19	2 98	52	<10	15	80	5	01	17	590	90	10	<20	65	< 01	10	34	<10	<1	22
69 - GF - LL - 11	5	< 2	2 38	10	4	30	<5	42	<1	2	63	55	2 40	53	60	05	1003	5	85	3	310	94	5	<20	29	04	<10	<1	<10	48	81
70 - RA - LL - 1	5	< 2	1 69	15	2	80	<5	3 71	<1	13	131	75	3 57	06	10	15	722	<1	< 01	26	630	10	20	<20	107	01	<10	103	<10	8	33

ET#	DESCRIPTION	AU (ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
71	- RA - LL - 2	10	< 2	71	175	6	105	40	63	<1	12	106	25	>15	02	<10	03	106	1	< 01	2	2180	18	5	<20	51	04	30	71	<10	<1	4
72	- RA - LL - 3	5	>30	90	5	2	85	<5	88	<1	<1	71	49	92	47	<10	04	281	4	< 01	3	410	50	5	<20	23	< 01	<10	28	<10	3	<1
73	- RA - LL - 4	730	< 2	1 18	20	2	75	<5	25	<1	10	500	101	2 98	21	<10	35	276	31	01	12	360	30	<5	<20	24	01	<10	56	<10	3	14
74	- RB - LL - 1	180	>30	73	5	2	50	<5	15	<1	1	128	15	84	36	<10	04	43	7	< 01	5	390	38	<5	<20	13	< 01	<10	16	<10	1	<1
75	- RB - LL - 2	15	7 2	1 34	35	2	175	<5	2 41	<1	6	91	81	1 17	68	<10	24	510	5	< 01	8	610	12	5	<20	84	07	<10	14	<10	10	29
76	- RB - LL - 3	5	< 2	1 62	85	4	135	<5	18	<1	1	415	25	86	82	<10	04	134	29	01	8	260	58	<5	<20	14	< 01	<10	9	<10	4	39
77	- RB - LL - 4	35	>30	1 54	5	2	90	<5	41	<1	<1	111	72	37	63	<10	05	43	6	< 01	4	360	22	<5	<20	26	< 01	<10	9	<10	3	<1
78	- RB - LL - 5	5	< 2	2 71	15	2	90	<5	1 54	<1	5	205	42	1 22	58	<10	23	247	14	01	7	270	72	<5	<20	89	03	<10	9	<10	5	17
79	- FC - LL - 4	>1000	>30	13	530	<2	20	<5	08	14	12	308	92	7 70	04	<10	< 01	57	18	< 01	18	<10	62	<5	<20	9	< 01	10	<1	<10	<1	41
80	- FC - LL - 5	>1000	>30	19	60	4	15	<5	16	1	3	16	4	1 54	01	<10	01	132	66	< 01	21	20	72	<5	<20	15	< 01	<10	5	<10	<1	69
81	- FC - LL - 6	>1000	>30	52	195	2	25	<5	21	2	4	320	40	1 83	35	<10	03	104	19	< 01	12	180	28	<5	<20	18	< 01	<10	2	<10	<1	<1
82	- FC - LL - 7	375	>30	35	135	4	20	<5	35	1	3	86	17	1 55	20	<10	03	158	37	< 01	12	130	36	<5	<20	26	< 01	<10	3	<10	<1	10
83	- FC - LL - 8	55	< 2	1 90	10	4	70	25	1 54	<1	25	69	46	4 76	33	10	76	703	3	07	7	2050	74	10	<20	59	62	<10	47	<10	7	72
84	- FB - LL - 5	15	< 2	1 18	40	2	65	<5	19	<1	4	344	13	1 53	30	<10	14	208	23	09	10	360	66	<5	<20	45	< 01	<10	11	<10	3	13
85	- FB - LL - 6	15	< 2	25	5	4	50	5	09	<1	7	24	50	5 29	03	<10	03	196	38	03	20	190	50	<5	<20	11	06	10	32	<10	9	22
86	- FB - LL - 7	5	< 2	1 02	10	2	60	5	77	<1	8	71	36	1 97	11	<10	12	168	4	21	8	650	48	<5	<20	107	17	<10	52	<10	15	22
87	- FB - LL - 8	10	< 2	52	10	4	105	5	45	<1	10	55	24	2 58	10	<10	16	502	25	06	10	1100	34	<5	<20	27	10	<10	39	<10	18	25
88	- FB - LL - 9	10	< 2	39	5	4	40	5	36	<1	7	36	12	2 35	11	20	15	310	3	04	4	1050	40	<5	<20	20	13	<10	35	<10	28	38
89	- FB - LL - 10	5	< 2	69	5	4	95	5	36	<1	7	83	9	2 53	16	10	24	460	13	10	4	720	30	<5	<20	29	11	<10	44	<10	17	41
90	- EB - LL - 5	5	< 2	67	5	4	75	10	28	<1	11	61	13	2 56	16	10	36	488	32	10	38	650	30	<5	<20	20	23	<10	40	<10	27	45
91	- EB - LL - 6	10	< 2	3 33	20	2	55	10	2 52	<1	20	44	64	3 26	26	<10	69	646	1	01	17	940	70	10	<20	97	31	<10	88	<10	28	35
92	- EB - LL - 7	5	< 2	1 04	5	2	30	<5	08	<1	2	220	6	40	58	<10	09	625	14	< 01	11	50	46	<5	<20	8	< 01	<10	5	<10	2	<1
93	- EB - LL - 8	125	< 2	1 08	30	2	55	<5	17	<1	3	166	6	1 29	32	<10	15	304	9	02	8	290	40	<5	<20	17	01	<10	19	<10	4	13
94	- EB - LL - 9	35	< 2	1 06	5	2	170	<5	3 09	2	3	232	5	99	50	<10	11	750	17	01	7	240	44	<5	<20	83	01	<10	5	<10	4	9
95	- EB - LL - 10	10	< 2	61	5	2	70	10	33	<1	8	81	10	2 21	21	10	23	563	5	09	5	590	34	<5	<20	30	22	<10	34	<10	25	41

LARRY LUTJEN - ETK389

OCTOBER 12 1993

ET#	DESCRIPTION	AU (ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
96	- EA - LL - 4	5	< 2	47	5	2	60	<5	1 24	<1	7	109	11	2 64	01	50	34	577	5	16	7	910	36	<5	<20	72	01	<10	25	<10	11	46
97	- EA - LL - 5	5	< 2	49	5	2	55	<5	08	<1	5	239	41	3 74	01	60	01	277	13	18	6	170	54	<5	<20	28	05	<10	55	<10	5	19
98	- EA - LL - 6	5	< 2	58	5	<2	85	<5	1 82	3	4	125	10	1 64	19	10	56	487	6	02	5	480	32	5	<20	76	< 01	<10	10	<10	4	94
99	- EA - LL - 7	5	< 2	84	5	2	85	<5	90	<1	8	31	15	2 44	34	40	39	426	50	05	16	730	30	<5	<20	52	< 01	<10	22	<10	7	40
100	- EA - LL - 8	10	< 2	36	5	2	45	<5	2 50	<1	5	67	2	2 04	02	20	76	658	3	09	4	540	38	5	<20	110	< 01	<10	12	<10	8	62

NOTE < = LESS THAN
> = GREATER THAN

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B C Certified Assayer

SC93/KAMMISC#2

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ENVIRONMENTAL TESTING

10041 E Trans Canada Hwy R R #2 Kamloops B C V2C 2J3 Phone (604) 573 5700
Fax (604) 573 4557

OCTOBER 12 1993

LARRY LUTJEN ETK 93-389
BOX 12, RR#1
CHASE B C

100 ROCK SAMPLES RECEIVED SEPTEMBER 27, 1993

ET#	DESCRIPTION	TE (%)
1	- 0Z - LL - 1	< 01
2	- 0Z - LL - 2	< 01
3	- 0Z - LL - 3	< 01
4	- 0Z - LL - 4	< 01
5	- 0Z - LL - 5	< 01
6	- 0Z - LL - 6	< 01
7	- 0Z - LL - 7	< 01
8	- 0Z - LL - 8	< 01
9	- 0Z - LL - 9	< 01
10	- 0Z - LL - 10	< 01
11	- 0Z - LL - 11	< 01
12	- 0Z - LL - 12	< 01
13	- 0Z - LL - 13	< 01
14	- 0Z - LL - 14	< 01
15	- 0Z - LL - 15	< 01
16	- 0Z - LL - 16	< 01
17	- 0Z - LL - 17	< 01
18	- 0Z - LL - 18	< 01
19	- 0Z - LL - 19	< 01
20	- 0Z - LL - 20	< 01

LARRY LUTJEN - ETK389

ET# DESCRIPTION	TE (%)
21 - 0Z - LL - 21	< 01
22 - 0Z - LL - 22	< 01
23 - 0Z - LL - 23	< 01
24 - 0Z - LL - 24	< 01
25 - 0Z - LL - 25	< 01
26 - 0Z - LL - 26	< 01
27 - 0Z - LL - 27	< 01
28 - 0Z - LL - 28	< 01
29 - 0Z - LL - 29	< 01
30 - 0Z - LL - 30	< 01
31 - IF - LL - 1	< 01
32 - IF - LL - 2	< 01
33 - IF - LL - 3	< 01
34 - IF - LL - 4	< 01
35 - IF - LL - 5	< 01
36 - IF - LL - 6	< 01
37 - IE - LL - 1	< 01
38 - IE - LL - 2	< 01
39 - IE - LL - 3	< 01
40 - IE - LL - 4	< 01
41 - IE - LL - 5	< 01
42 - IE - LL - 6	< 01
43 - IE - LL - 7	< 01
44 - IE - LL - 8	< 01
45 - HC - LL - 7	< 01

LARRY LUTJEN - ETK389 OCTOBER 12 1993

ET# DESCRIPTION	TE (%)
46 - HC - LL - 8	< 01
47 - HC - LL - 9	< 01
48 - HC - LL - 10	< 01
49 - HC - LL - 11	< 01
50 - HC - LL - 12	< 01
51 - HC - LL - 13	< 01
52 - HC - LL - 14	< 01
53 - HC - LL - 15	< 01
54 - HC - LL - 16	< 01
55 - HC - LL - 17	< 01
56 - HB - LL - 6	< 01
57 - HB - LL - 7	< 01
58 - HB - LL - 8	< 01
59 - HB - LL - 9	< 01
60 - HB - LL - 10	< 01
61 - HB - LL - 11	< 01
62 - HB - LL - 12	< 01
63 - GF - LL - 5	< 01
64 - GF - LL - 6	< 01
65 - GF - LL - 7	< 01
66 - GF - LL - 8	< 01
67 - GF - LL - 9	< 01
68 - GF - LL - 10	< 01
69 - GF - LL - 11	< 01
70 - RA - LL - 1	< 01

LARRY LUTJEN - ETK389 OCTOBER 12 1993

ET# DESCRIPTION	TE (%)
71 - RA - LL - 2	< 01
72 - RA - LL - 3	< 01
73 - RA - LL - 4	< 01
74 - RB - LL - 1	< 01
75 - RB - LL - 2	< 01
76 - RB - LL - 3	< 01
77 - RB - LL - 4	< 01
78 - RB - LL - 5	< 01
79 - FC - LL - 4	< 01
80 - FC - LL - 5	< 01
81 - FC - LL - 6	< 01
82 - FC - LL - 7	< 01
83 - FC - LL - 8	< 01
84 - FB - LL - 5	< 01
85 - FB - LL - 6	< 01
86 - FB - LL - 7	< 01
87 - FB - LL - 8	< 01
88 - FB - LL - 9	< 01
89 - FB - LL - 10	< 01
90 - EB - LL - 5	< 01
91 - EB - LL - 6	< 01
92 - EB - LL - 7	< 01
93 - EB - LL - 8	< 01
94 - EB - LL - 9	< 01
95 - EB - LL - 10	< 01

LARRY LUTJEN - ETK389 OCTOBER 12 1993

ET#	DESCRIPTION	TE (%)
96	- EA - LL - 4	< 01
97	- EA - LL - 5	< 01
98	- EA - LL - 6	< 01
99	- EA - LL - 7	< 01
100	- EA - LL - 8	< 01

NOTE < = LESS THAN
> = GREATER THAN

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SC93/KAMMISC#2

LARRY D. LUTJEN * FILE: 93-044

YMIP - DAILY DIARY (1993)

22-23 JUNE 1993 mobilized survey and drove the Yellowhead highway to Jasper Lake, Yukon and camped at the Jasper Lake public access. Just north of Jasper Lake, you turn left at the cemetery on the Carcross road and follow the boat ramp signs for about 2-3 kilometers. There is a paved parking area and a boat launching area and campsite.

(1) + (2)

24 JUNE 1993 partly cloudy this morning, looks like it might cloud over this afternoon. Drove to Caribou from Jaglish Lake and attempted to locate the pipeline road for access into Bennett Lake area as shown on NTS map 105D/02, as it runs parallel to the narrow gage railroad. Located the pipeline road but overgrown and impassable, but we were able to park the truck and launch the boat. Boated down Bennett Lake to Prejevalsky Point, thence down Bennett Lake locating drainage and looking for a campsite. Found an excellent & named Camp YMK. Returned to campsite at Jaglish Lake.

25 JUNE 1993 It did cloud over yesterday and is raining today, not to hard but consistent. Returned to Cascos from Jaglish Lake and launched the boat at the pipeline access southwest of the town of Cascos. Boated down Bennett Lake to Camp 4 Mile, located on the south shore of the West Arm of Bennett Lake, opposite Milldaven Bay (42 degrees from the tip of the Milldaven Bay peninsula) on a no name stream that drains from a no name lake just east (1-2 km) of Monroe Lake. It's a beautiful campsite with an excellent beach to land and launch the boat. Boated back to Prejevalsky Point and traversed and flagged up PP creek, which was dry at the time and continued mostly granite to granodiorite float boulders and cobbles.

— OVER —

Some greenstone andesite cobbles were encountered but no bedrock occurrence were located. No mineralization was found. It appears that this drainage, which forks at the 2700 foot level is mainly avalanche in origin. Returned to Camp 4 P.M.

26 JUNE 1993 The rain has stopped and it partly cloudy today. Looks like we might get some sunshine and dry things out. Boated back to Prejevalsky Point, thence to the first cove south of Prejevalsky Point on Bennett Lake (94 degree azimuth from the confluence of Knob Creek and Bennett Lake) where we traversed and flagged up AB creek through heavy vegetation of willow, alder, spruce, lodgepole pine, and fir. No bedrock occurrences were encountered up to the 3000 foot level, but alpine can be seen at the 3200 to 3300 foot level with what appears to be bedrock exposures. We will attempt to reach tomorrow. Returned to Camp YMP.

27 JUNE 1993 Partly cloudy again today but doesn't look like it will rain. It seems to be colder in the morning, then windy in the afternoon. Reached the 3200 foot level from last one and traversed into a deep seated fault striking 268 degrees and dipping 80-90 degrees to the North, with several good bedrock exposures at the 3500 to 3600 foot level of hornblende / biotite granite and/or granodiorite with some phenocrysts of potassium feldspar up to 8 mm. No visible mineralization was encountered, but several bedrock samples were taken (AB-LL-1-93 to AB-LL-4-93) and three locations flagged. The fault appears to fork at approximately the 4500 foot level into three minor splays off of the main east / west fault, but we were

- OVER -

unable to traverse to that level. Returned to the Laglish Lake campsite, will go to Whitehorse tomorrow for supplies, maps, geological reports, and check-in with Karen Pelletier at YMT.

28 JUNE 1993 partly cloudy this morning, might get some sunny breaks. It's warmed up these last 2 days and the wind calms down in the evening. Checked in with Yvon at the Stampede Camp. Mark and Karen Pelletier wasn't in this morning. I was told to continue my work in the field. Purchased food, gas, oil, geological reports, and maps. Pulled C. Hart and J. Radloff's open file 1990-4 and found mineral occurrence 104 in my area. Purchased Yukon Exploration 1987 for report on mineral occurrence pages 114-116 and am very excited at the results. I knew about the 853-459 ppb gold results from the G.S.C. open file 1218, but had no idea that an ore zone had been located. -OVER-

Returned to camp WMP on the west arm of Bennett Lake. Followed trail into no name creek which flows from no name lake and will be used for access onto the east arm of Fraser Mountain (Bennett Camp) and the 104 gold occurrence. Returned to Camp WMP.

29 JUNE 1993 sprinkling
this morning, looks
like a wet day today.
Continued the trail with
no name lake, crossing
over at the beaver dam
between no name lake
and the swamp lake
directly down stream
from no name lake,
then south along the
east side of no name
lake. Upon reaching
the east side of no
name lake the going
got extremely difficult
because of avalanche
debris of willow, spruce,
alder, pine and fir stacked
like cordwood. We were
trying to reach the
south end of no name
lake but terminated our
efforts shortly after
crossing HB creek. Tomorrow
we will stay on the west
side of no name lake
and stay in the
lodgepole pine forest

—OVER—

where the going was
much easier. Returned
to Camp 4 MMP.

30 JUNE 1993 the rain has let up and the clouds have lifted. We might get some sunshine and big outs. Continued trail into the west side of no name lake and crossed over to the east side of the Finger Mountains and located IE creek. I think this was the creek that the G.S.C. sampled on their open file 1218 report, but we couldn't locate the sample site. I took several samples (IE-LL-1-93 to IE-LL-5-93) and flagged there locations. The drainage of the creek at the 2600 foot level was struck at an azmuth of 81 degrees. The vegetation on the west side of no name lake was predominately lodgepole pine and spruce, but changed

-OVER-

quickly to popular, birch, willow, alder, spruce and fir on the east side of Forger Mountain. Return to Camp 9 MP.

1 JULY 1993 traversed the west-side trail around no name lake to IE creek. IE creek is an east/west trending fault structure 89 degrees at the 3000 foot level and dipping nearly vertical. Quite large float boulders of granite/granodiorite were located but bedrock samples weren't located until the 3000 foot level. At the 3200 foot level it gets very steep with slopes often exceeding 100%. The fault above the 3200 foot level has cut a deep crevasse in the talus slope on IE creek. Just above the 3900 foot level we came across the one zone where alteration has imprinted a bright orange across IE creek fault. The exposed one zone is 10-20 meters in width and 80-90 meters in length striking at a 50 degree azimuth and dipping 80-90 degrees to the south. Vegetation is low

-OVER-

level brush and alpine flowers with the occassional stand of balsam fir and spruce. I took several samples (IE-LL-6-93 & I.E.-LL-15-93) and flagged there location. Returned to Camp Unit 2.

2 JULY 1993 warm and partly cloudy today but will probably get an afternoon squall as we have gotten several this last week. Traversed the westside trail to IE creek, thence up IE creek to the ore zone. Sampled along ore zone from IE creek at an azimuth of 50 degrees for approximately 100 meters. The slope is very steep and talused, but where the ore zone crops out it is bedrock exposure. The hanging wall and footwall alterations are rhyolite, sericite and chloritic with clay alteration of kaolin and montmorillonite. The ore zone itself is a highly silicified breccia of sugar quartz, chalcedony quartz, pyrite, gold(?), galena(?), and lead(?). The granite / granodiorite host rock is also highly silicified for 26-30 meters

over

on either side of the footwall and plunging well with silica structure fillings most likely related to the precursor events. There is essentially no vegetation in this area as bedrock outcrops and talus slopes are all that remain.

Several samples were taken (OZ-LL-1-93 to OZ-LL-16-93) and three locations flagged.

Returned to Camp 1700 hrs.

3 JULY 1993 partly cloudy today and cooler, afternoon showers quite possible. Traversed the west side trail to IE creek, then up the creek to the ore zone. Traversed along strike at an azimuth of 230 degrees from IE creek for about 100 meters in an attempt to locate the ore zone to the south, heavily talused over. Several samples were taken (OZ-U-17-93 to OZ-U-30-93) and their locations flagged. The ore zone appears to splay just above IE creek with some exposure of ore, horsetailing off of the 230 degree dark azimuth of the ore zone. Stringers off of the main ore zone strike as much as 130-140 degrees and dip almost vertically. Vegetation above the creek and to the south is basically low bush and alpine tundra with patches of spruce and

-OVER-

balsam fir. Despite the fact that continuation of the ore zone to the south lacks exposure, aerial photos of Jungle Mountain A25291-128 and A25291-129 show a fault trace at 230 degree back azimuth. Returned to Camp Gypsy.

4 JULY 1993 still cool today and partly cloudy. It seems that everyday we get an equal amount of attention with windy gusts. Today we traversed the west side trail up HB creek to the ore zone. Foled the strike at 50 degrees and followed for over a kilometer. Limited bedrock exposure due to talused slopes over grown with low level alpine brush. The talus boulders and cobbles are predominantly K-feldspar hornblende / biotite granodiorite that weathers gray to greenish gray. Where east / west faults cut the talus slopes the ore zone is exposed and strikes consistently at 50 degrees. Where the ore zone is exposed on HB creek there is a huge gossan and samples there contain limonite, hematite and pyrite, plus gold (2), silver (2) and lead (2). Seved samples were taken (OZ-4-31-93 to OZ-4-40-93)

-over-

and the sample sites flagged. We are quite excited by the prospect in that the structural integrity of the ore zone has mesothermal possibilities. Returned to camp 6pm.

5 JULY 1993 cloudy over this morning, looks like it might rain this afternoon. Traversed back to the ore zone and attempted to extend strike south from IE creek at a back azimuth of 230 degrees. Structurally we are up on a bench that appears to be a down drop block fault striking 230 degrees but the talus slopes obscure any bedrock exposures. The vegitation is low level alpine brush and wild flowers, with the occasional patch of spruce and balsam fir. It appears that the IE creek fault (striking 90 degrees) has sheared the ore zone fault (50 degrees) at or near the creek bottom and splayed the ore zone into a series of boudinaged that strike off at much as 120-130 degrees. Several samples were taken (OZ-LL-41-93 to OZ-LL-48-93)

OVER

and there locations flagged
Returned to Camp Bluff.

6 JULY 93 It's raining and wet today. Low dark clouds have set in so it will probably rain all day. Returned to ore zone via IE creek and cut posts and built monuments in preparation to stake 10 claims that will be called the Goldfinger claims 1 thru 10. The claims will be staked on the ore zone (50 degree azimuth) with one claim 1500 feet to the right of the ore zone and the other claim 1500 feet to the left of the ore zone. The ore zone on IE creek will be approximately on the Goldfinger 1, 2, 3, and 4. Traversing is not too difficult except when you come to an east/west fault structure, then you have to climb several hundred feet up slope to cross the crevasse and then climb back down to the other side. Sometimes it

takes an hour or more. To go 70-80 meters across the crevasse to the other side. We have done most of the prep work and tomorrow we will stake the Goldfinger 1-10 claims. Returned to Camp Uppp.

7 JULY 1993 much colder today and still raining looks like it won't let up. Traversed to the initial post of the Goldfinger 1 and 2, then to the final post and initial post of the Goldfinger 1, 2, 3 and 4. Continued stepping on an azimuth of 50 degrees to the final post of the Goldfinger 9 and 10. Returned to Camp 4pm.

8 July 1993 warming up today and only patchy rain, it might clear up this afternoon (?) so we can dry out. Traversed the west side trail to Ie Creek and sampled the creek from the 3900 foot level to the 4400 foot level. Were in a large fault basin with steep sloping sides. The host rock is granodiorite and/or granite with silicification & fracture filling dominant on either side of the ore zone for at least 50 to 60 meters. The granite/granodiorite is a K-feldspar plus hornblende and biotite in a medium grain matrix. There is no vegetation in this area which consists of a granite/granodiorite talus of boulders, cobbles and pebbles. Several samples were taken (IE-LL-16-93 to IE-LL-23-93) and locations

over -

Flagged. Returned to
Capt. Upton

9 JULY 1993 partly cloudy and finally drying out. Traversed the west side trail past no name lake (with the Goldfinger claims I named the no name lake 007 lake and the creek 007 creek and the swamp lake 007 swamp lake for future reference) to IF creek. The creek is striking 82 degrees at the 2700 foot level with some limited avalanche debris. The vegetation is willow, alder, birch, poplar, spruce and fir with dense growths at lower elevations. There are no bedrock exposures and soils were taken from float that appeared to have come from the hornfelsed contact of the ore zone above. Several samples were taken (IF-LL-1-93 to IF-LL-6-93) and three locations flagged.

Returned to Camp 4 PM.

10 JULY 1993 partly cloudy this morning, looks like a good day. Traversed across the beaver dam between 007 lake and 007 swamp lake to HB creek then up HC creek to the 3100 foot level. There was considerable avalanche debris and the going was difficult. Large areas of willow, alder, birch, spruce, and fir are stacked like cordwood. No bedrock exposure were found and samples were taken from float that appeared to be altered granite and/or granodiorite. The HC creek fault strikes 156 degrees at the 3000 foot level and appears to dip almost vertically. There is snowpack in the creek bed from the avalanche at the 2900 foot level up, which makes it easier going. Samples were taken

-OVER-

(HC-LL-1-93 to HC-LL-6-93) and flagged. Bedrock exposures can be seen at higher elevations and we will attempt to reach tomorrow. Returned to Camp YMP.

11 JULY 1993 it seems to be warming up a bit, no rain but partly cloudy with some sunny breaks. Traversed the eastside trail to HB creek then up the HC creek fault to the 4100 foot level which strikes 136 degrees and dips almost vertically. Crossed the ore zone with its prominent gossan. Host rock is granite/granodiorite with hornfelsed alteration for 20 to 30 meters on either side of the ore zone. There is no vegetation at this altitude in the fault crevasse which consists of granite/granodiorite talus. Several samples were taken (HC-LL-7-93 to HC-LL-17-93) and there locations flagged. Will be going to Whitehorse tomorrow for supplies and to file the Goldfinger 1-10 claims. Returned to Camp 4pm

12 JULY 1993 another good day, very little wind only partly cloudy with sunny breaks. Went to Whitehorse and filed the Goldfinger 1-10 claims. Purchased food, gas, oil, and returned to Camp Ymir. Boated to Monroe creek and took three samples (MC-LL-1-93 to MC-LL-3-93) and flagged there locations. The host rock at Monroe creek is the K-feldspar megacrystic hornblende granodiorite that has been dated at 220 ma. The vegetation is willow, popular, birch, spruce and fir. Returned to Camp Ymir.

13 JULY 1993 warm again with sunny breaks. Traversed the trail east of 007 lake to HB creek then up the north slope to bypass the avalanche debris. It was easier going in the forest that hasn't been leveled. Reached the 3600 foot level which is striking 126 degrees and dipping almost vertically. Were mostly in the alpine now with spotty clusters of small spruce and balsam fir. Took several samples (HB-LL-1-93 to HB-LL-5-93) and flagged their locations. Above us is the ore zone which we hope to reach tomorrow. Returned to Camp 4 pm.

14 JULY 1993 warm again today but clouds are building up, maybe afternoon showers (?). Returned to HB creek and traversed to the 4600 foot level. Crossed the ore zone gossan with its characteristic yellow/orange iron staining. The host rock is still the granite/granodiorite and has quartz filled fractures in the downfolded contact around the ore zone. The strike of the HB creek fault at the 4600 foot level is 133 degrees and is dipping almost vertically. Sampled several locations (HB-LL-6-93 to HB-LL-12-93) and flagged. Returned to Camp 4 PM.

15 JULY 93 warm and showers, no sun today (?). Traversed the beaver dam trail to GF creek, then around the debris flow on the north side of the creek in the forested area of popular, alder, spruce, birch and fir to the 3400 foot level. The GF creek fault is striking 132 degrees at the 3400 foot level and dips 80-90 degrees to the northeast. The host rock is granite/granodiorite with no bedrock exposures. We sampled several locations of altered granite/granodiorite float (GF-LL-1-93 to GF-LL-4-93) and flagged. Returned to Camp 4 MWP.

16 July 1993 Partly cloudy today with some sunshine, will dry out today. Returned to GF track and traversed to the 4609 foot level leaving crossed the ore zone. Hornfels alteration on either side of the ore zone showing high levels of silicification. Sericite alteration grades into the quartz breccia zone and mineralization to hematite, limonite, pyrite, gold (?), silver (?), and lead (?). Several samples were taken (GF-LL-15-93 to GF-LL-11-93) and three locations flagged. Returned to Camp 4 PM.

17 JULY 1993 showers again today, it just cleared up yesterday, then more rain. Traversed back to GF creek via the beaver dam trail to the 3000 foot level on the north side of the creek, then east for several hundred meters until we reached the RA fault which is a ravine cut out by avalanche and talus flows. The fault is striking 135 degrees at the 3600 foot level and is comprised of talus flows of granite / granodiorite boulders, cobbles, and pebbles. It appears to dip vertically and the going was most dangerous. We never made it to the ore zone but took several samples (RA-LL-1-93 to RA-LL-4-93) and flagged their location. Returned to camp 4pm.

18 JULY 1993 partly cloudy and clearing, thunderstorms developed today. Returned to the creek and traversed to the 3000 foot level thru past the RA fault ravine to the RB fault ravine. The RB fault is striking 132 degrees at the 3500 foot level and is dipping 80-90 degrees to the northeast. Both the RA and RB faults are very dangerous, for there is no way out of the ravine. If an avalanche occurs you're a sitting duck for the sidewalls are too steep to climb out of. Once again we never made it to the ore zone but made it to the 4000 foot level. Mostly talus & flows of granite/granodiorite with the occasional bedrock exposure. Took several samples (RB-LL-1-93 to RB-LL-5-93) and flagged these locations. Returned to Camp 4 WWW.

19 JULY 1993 warm and partly cloudy today. Boated out to Caccosa and unloaded samples in 4x4. Stopped for supplies and boated back to Camp YMP. Sampled 007 creek (007-LL-1-93 to 007-LL-4-93) and flagged the locations. Returned to camp YMP.

20 JULY 1993 cooler today and starting to cloud over, looks like rain (?). Traversed the 007 creek trail to FB creek which enters 007 creek closer to 007 swamp lake then on the topographical map NTS 105D/02! Then around the debris on the north side of the creek to the 2800 foot level. The vegetation is lodgepole pine, birch, alder, spruce and fir with heavier growth at lower elevations. The FB fault is striking 167 degrees at the 2800 foot level and dipping 80-90 degrees to the ~~north~~. We made it to the 3600 foot level but only talus boldes and cobbles of granite granodiorite due exposed in the creek bed. At the 3600 foot level we are in a steep gorge which strikes 128 degreed and dips almost vertically. Several float samples

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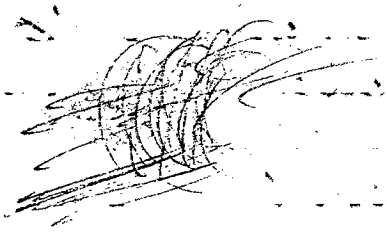
were taken (FB-LL-1-93 to FB-LL-4-93) and flagged. Returned to Camp Gilmer.



21 July 1993 showers today and looks like we're socked in, the clouds are hanging low in the valley. Returned to FB creek via the north side access to the 3700 foot level where the creek forks into FB creek to the north and FC creek to the south. The host rock is granite and/or granodiorite plus hornblende biotite and K-feldspar. We harvested up FC creek fault to the 4300 foot level and crossed the ore zone gossan, which runs down the Goldfinger claim line. The creek is striking 158 degrees and dipping almost vertically. There is no vegetation in the fault crevasse, only steep talus slopes. These young east/west faults must be active to keep moose tales over the alpine vegetation. Took several samples (FC-LL-1-93 to FC-LL-8-93) and

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flagged these locations. At these altitude the fault crevasses become exceedingly difficult to traverse and are most dangerous from the standpoint of avalanche. Returned to Camp Muir.

22 JULY 1993 showers again this morning and cold. Returned to FB creek and traversed to the 4400 foot level. The fault appears to have offset the ore zone goosan, in that very little dunnite / hematite, alteration and silicification were found on the north side of the ore zone. The FB Creek fault is striking 132 degrees and dipping vertically. There is no vegetation in these fault crevasses, only talused rocks. The host rock is granite / granodiorite which weathers gray to gray / green. Several samples were taken (FB-LL-5-93 to FB-LL-12-93) and flagged. Returned to Camp 4 PM.

23 July 1993 — Began this morning. Hiked the 007 creek trail to EA creek, then up the creek to the 2700 foot level. We have traversed through lodgepole pine, brush, alder, spruce and fir with very little landslide debris. The strike of the EA creek fault is 138 degrees at the 2900 foot level and dipping almost vertical. Took several samples (EA-LL-1-93 to EA-LL-3-93) and flagged. Reached the 3100 foot level and the EA creek forks into the EB creek to the south and the EA creek to the north. Continued up EB creek to the 3400 foot level and sampled the float (EB-LL-1-93 to EB-LL-4-93) and flagged these locations. EB creek fault strikes 178 degrees at the

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3400 foot level and
dips Vertically & Returned
to Camp 4 PM

24 JULY 1993 showers once again but clouds are breaking up, might get some sunshine this afternoon (?). Returned to EA creek via 007 creek trail and traversed to the 4300 foot level of EB creek. EB creek fault is striking 154 degrees and dipping 80-90 degrees to the north. No ore zone alteration was crossed, it was probably cut-off by the EB creek fault. The host rock is granite/granodiorite plus K-feldspar phenocrysts. Several float and bedrock samples were taken (EB-LL-5-93 to EB-LL-10-93) and three locations flagged. Returned to Camp Unit

25 JULY 1993 rain finally stop, partly cloudy today and warmer. Hopefully will dry things out. Returned to EA Creek and traversed to the 4500 foot level of EA creek. It is striking 134 degrees and dipping 80-90 degrees to the North. The host rock is the same granite, weathering gray to brownish-gray. EA Creek appears to fork again at approximately the 4500 foot level but we never reached that level. It is very steep in the fault trough with virtually no vegetation. Excepting an extremely loose sandstone spot take 2 steps up and then accidentally 3 steps back. Samples taken and flagged were (EA-LL-4-93 to EA-LL-8-93). Returned to Camp Unity.

26 JULY 1993 partly cloudy this morning with some sunny breaks. Boated back to Presovsky Point, then past first cove to second cove (56 degree azimuth from the confluence of Knob Creek and Bennett Lake), then up N.D. creek to the 2800 foot level where the going was most difficult due to avalanche conditions that existed this spring and left massive beds of debris. The vegetation once again consists of willow, alder, spruce, lodgepole pine, birch and fir. I counted 20 rings on a spruce tree that was snapped off five feet above the ground, which must of made this last month snow-pack above normal or the melt came all at once. Downunder conditions combined with avalanche debris left no bedrock exposures, but tomorrow

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we will get a better start for we found a better access on our way out. Returned to Camp Ymir.

27 JULY 1993 Cloudy again but warmer today. Yesterday Boated back to second cove and traversed up AD creek to the 3608 foot level, this is a deeper seated fault than AB creek and is striking 290 degrees and dipping 80-90 degrees to the South. Encountered several bedrock occurrences of Hornblende Biotite Granite and one leucocratic granite showing foot. Several bedrock samples (AD-LL-1-93 to AD-LL-3-93) and flagged their locations. No mineralization was encountered. We will We will work the east side of Sugar Mountain tomorrow looking for more mineralization and (or epithermal alterations. Returned to Camp Yuma

28 JULY 1993 warm and partly cloudy, with some sunny breaks and wind in the afternoon. Boated to BS creek and once again access is very difficult in that avalanche debris is extensive. Several flagged trail had to be abandoned, but access was obtained by going up the streambed. Vegetation is alder, willow, spruce, lodgepole pine, birch and fir. The main fault is striking at an azimuth of 186 degrees and dipping 80-90 degrees to the west. The east wall at the 2900 foot level is propylized andesite and is striking at an azimuth of 152 degrees and dipping 70-80 degrees to the north. At the 3100 foot level both sides of the fault are quartz filled fractured propylized andesite. Some gradational veining occurs at a 20-30 degree azimuth with a 60-70 degree dip to the

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northeast. Mineralization was spotty, mostly pyrite, limonite, and hematite in quartz filled fractures and shear zones. Took several bedrock samples (BD-LL-1-93 to BD-LL-14-93) and flagged these locations. Returned to camp 4pm.

29 July 1993 warm but cloudy, overcast heavily, no sun today (?). Boated back to BO creek and traversed to the 4200 foot level. The strike was 125 degrees and the dip was 80-90 degrees to the northwest. The host rock is a granite/granodiorite plus hornblende/biotite and K-feldspar. Several float and bedrock samples were taken (BO-LL-5-93 to BO-LL-10-93) and their locations flagged. Most of the BO creek fault crevasse is still computed with snow about 2-5 meters thick. You can hear the water running under the snow. Mineralization is once again spotty. There is basically no vegetation in the BO creek fault, only talus of boulders, cobbles and rubble. Returned to camp 1900.

30 JULY 1993 showers this morning and looks socked in (2). Boated to CA creek and once again access was difficult due to avalanche debris. Access was gained this time by going around the avalanche debris up the adjoining treeline. The strike of the fault at the 2600 foot level is 130 degrees and dips 70-80 degrees to the north. The rock type changes dramatically to a granite/granodiorite with phenocrysts of potassium feldspar. There is a deep gouge at the 2900 foot level that continues to the top of Finger mountain, with a gossan at the 3000 foot level that strikes 132 degrees and dips 80-90 degrees to the north. Limonite is prominent in the area mostly hematite, limonite and pyrite. Several bedrock samples were taken at the

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3900 to 3600 foot level
(CA-LL-1-93 to CA-LL-5-93)
and there locations changed
Returned to Camp 4 [illegible]

31 JULY 1993 still raining but occasional, hope it stops this afternoon (?) Boated back to CA creek and traversed to the 4100 foot level. The CA creek fault is striking 132 degrees and is dipping nearly vertical. This is a very deep fault and is most difficult to traverse up the side. The host rock is a K-feldspar megacrystic hornblende granite/granodiorite weathering gray to greenish gray. Pegmatite is associated with the heavily talused CA creek fault. The fault crevasse is very dangerous at this level because there is no way out except down. Several bedrock and float samples were taken (CA-LL-6-93 to CA-LL-10-93) and flagged. Mineralogy is mostly hematite and limonite. Returned to Camp Yuma.

1 AUGUST 1993 rain didn't stop, showers again today, but breaking up (3). Boated to OC creek which has very little avalanche debris, mostly due to the slope. The OC creek fault strike at 175 degrees to the 2700 foot level then turns southeasterly to 130 degrees with a dip of 80-90 degrees to the south. Vegetation consists of willow, pine, alder, poplar, birch, spruce and fir. Considerable overburden this to well float boulders of granite/granodiorite until bypassed the 3100 foot level where bedrock samples were taken and flagged (OC-LL-1-93 to OC-LL-05-93). Once again mineralization was hematite and limonite. Several quartz veins were encountered striking 120 degrees and dipping 70-80 degrees northeast

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but were very hungry.
Returned to Camp

2 AUGUST 1993 cloudy today, we might drop out (2). Collected samples, broke camp and boated down Bennett Lake to boat landing on the pipeline right-of-way. Loaded dunnels, boat, and camp gear and drove to the Gaylord Lake camp for the night.

3-4 AUGUST cloudy but dry. Demobilized the survey and drove the Yellowhead Highway back to Shuswap Lake, British Columbia. A most memorable excursion into the magnificent Bennett Range.

In closing I would like to thank all of the folks of the Yukon Mineral Incentive Program and in particular Karen Pelletier for all of her personal help and advice. Thanks again and am looking forward to returning to the Yukon.

Larry D. Lewis
Prospector