

84-1063-12993

ASSESSMENT REPORT ON THE FOURTH OF JULY GROUP OF  
MINERAL CLAIMS IN THE NELSON MINING DIVISION

GEOCHEMICAL REPORT

LOCATION: 1:50,000 N.T.S. 82F/6  
LCP (SW CORNER ARIZ #1) 49°19' 40N, 117°08'W  
UTMG COORDINATES: 54 63600mN, 90300mE

OWNERS: (1) GOLDEN ZONE RESOURCES  
812-475 HOWE ST.  
VANCOUVER, B.C.

**GEOLOGICAL BRANCH**  
**ASSESSMENT REPORT** (2) R. PEARSON  
1124 STANLEY ST.  
NELSON, B.C.

**12,993** (3) W.P. KOOPMAN  
405 HOWE ST.  
NELSON, B.C.

OPERATOR: ARIZAKO MINES LTD.  
812-475 HOWE ST.  
VANCOUVER, B.C.  
V6C 2B3

AUTHOR: R.A. WELLS, (GEOLOGIST)

DATE: NOVEMBER, 1984.

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## FOURTH OF JULY GROUP

INTRODUCTION

The Fourth of July Mineral Group is comprised of crown grants, reverted crown grants, and located/MGS claims totalling about 40 M.G.S. unit equivalence (refer to the claim inventory on the next page for details). The claim owners are listed in the claim inventory and the operator for the Group is Arizako Mines Ltd. of Vancouver, B.C. This contiguous claim group is located 6 kilometers to the northeast of Ymir, B.C. and 30 kilometers south-southeast of Nelson, in the Nelson Mining Division.

Access to the south side of the claim group is by a logging road which runs up Ymir Creek from the town of Ymir. The claims can be explored on foot from various locations along the Ymir Creek road. Access to the north side of the claim group is by the Clearwater Creek logging road which is located 10 kilometers south of Nelson where it turns off of highway #6 to the east (the turn-off is located 200 meters south of the Whitewater Skihill road). A 4-wheel drive vehicle is necessary to negotiate the streams and steep switchbacks over the 10 kilometer gravel road which runs to the Dumas claims.

The claim area lies between 3000 and 6500 foot elevation and typically consists of steep 30° slopes. Vegetation over the area is variable, ranging from cedar/hemlock at the valley base to secondary post fire willow/poplar growth with some free standing spruce and fir at higher elevations. Outcrop is sparse in general but increases typically on very steep slopes and at higher elevations.

This claim group is located in the Ymir Gold Camp. The mines of the Ymir Group are primarily steeply dipping quartz fissure veins. Shatterzones and stockwork have also contributed some ore. The total recorded production of the

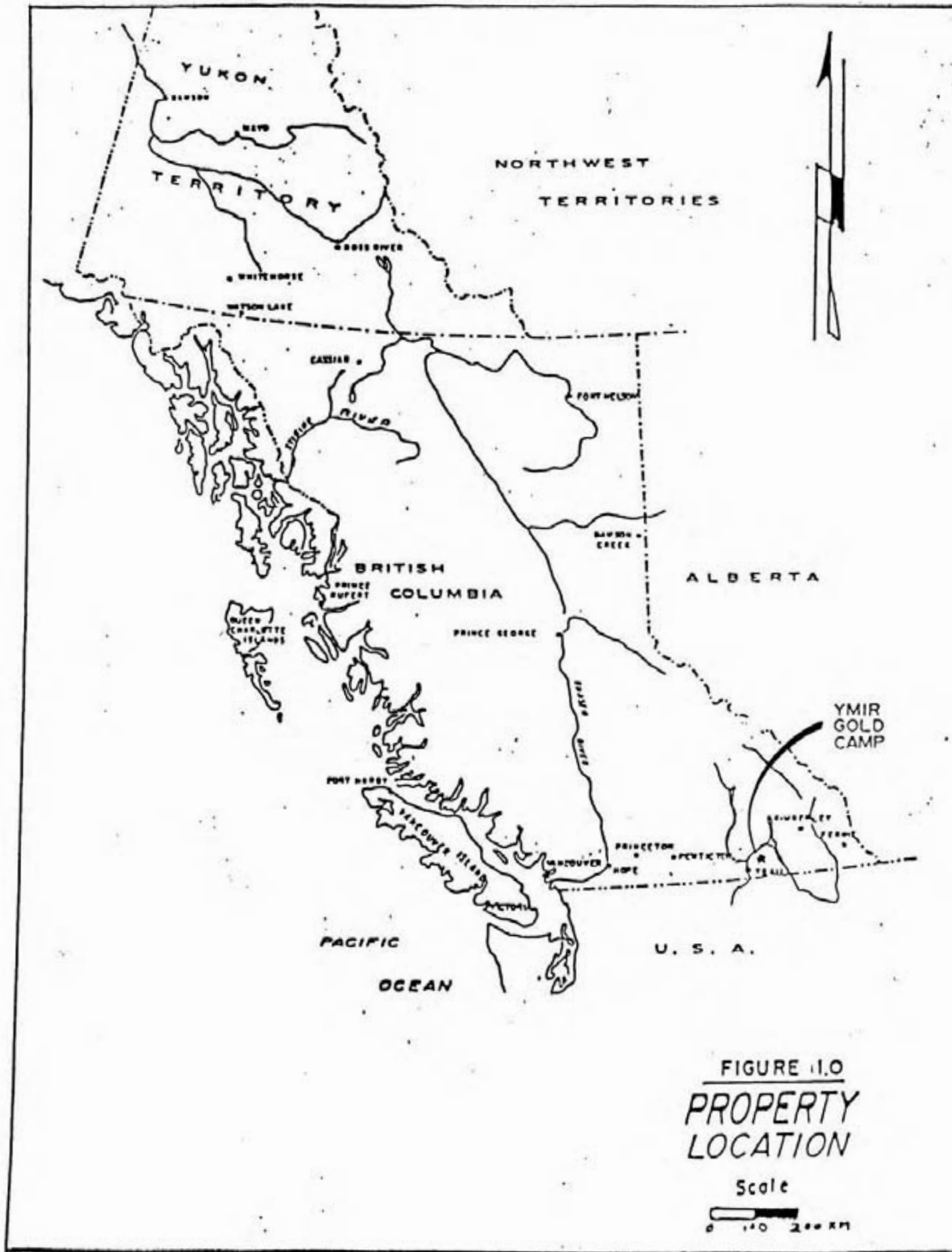
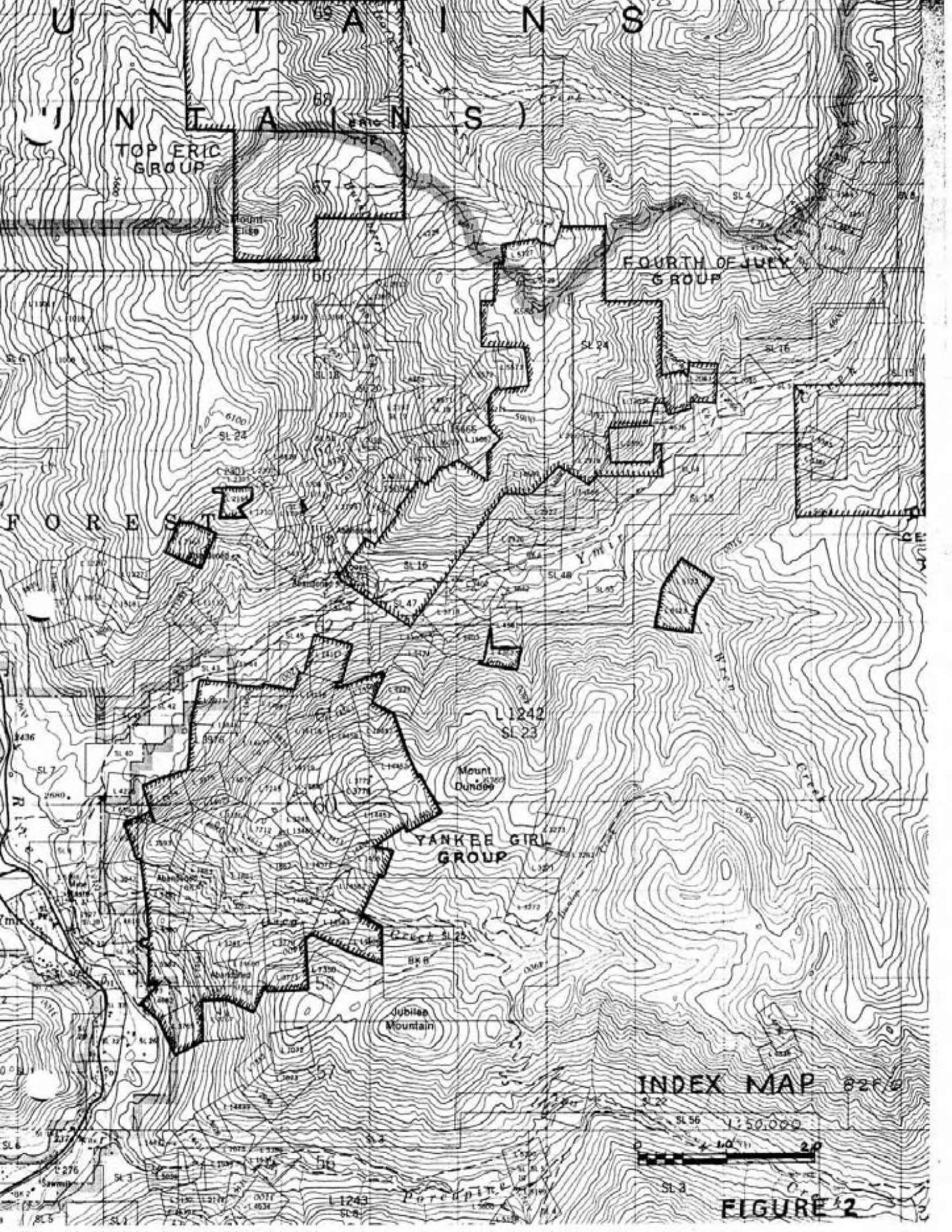


FIGURE 11.0  
**PROPERTY  
 LOCATION**

Scale  
 0 100 200 km



TOP ERIC GROUP

FOURTH OF JULY GROUP

YANKEE GIRL GROUP

INDEX MAP 82F/0

FIGURE 12

FOURTH OF JULY CLAIM GROUP LEDGER

MAP NO. N.T.S. 82F/6.

NAME OF CLAIM	TYPE	NO. OF UNITS	MONTH OF RECORD	RECORD NO.	EXPIRY DATE	OWNER
DUMAS 0	LOC	1	3	2166	March 3/86*	Golden Zone Resources
DUMAS 1	MGS	1	6	1696	June 2/86*	812-475 Howe St.
DUMAS 2	MGS	1	6	1697	June 2/86*	Vancouver, B.C.
DUMAS 3	MGS	1	6	1698	June 2/86*	FMC #264783
DUMAS 4	MGS	1	6	1699	June 2/86*	" "
DUMAS 5	MGS	1	6	1700	June 2/86*	" "
DUMAS 9	LOC	1	9	1936	Sept. 29/85	" "
DUMAS 10	LOC	1	3	2147	March 3/86*	" "
RAY 1	MGS	1	8	3471	Aug. 26/85	" "
RAY 2	MGS	1	8	3472	Aug. 26/85	" "
RAY 3	MGS	1	8	3473	Aug. 26/85	" "
RAY 4	MGS	1	8	3474	Aug. 26/85	" "
RAY 5	MGS	1	8	3475	Aug. 26/85	" "
RAY 6	MGS	1	8	3476	Aug. 26/85	" "
RAY 7	MGS	1	9	3477	Sept. 23/85*	" "
RAY 8	MGS	1	9	3478	Sept. 23/85*	" "
RAY 9	MGS	1	9	3479	Sept. 23/85*	" "
RAY 10	MGS	1	9	3480	Sept. 23/85*	" "
NEW VICTOR	RCG	1	9	3398	Aug. 20/85*	" "
DAYBREAK 1	LOC	1	4	1575	Apr. 8/86*	" "
DAYBREAK 2	LOC	1	4	1576	Apr. 8/86*	" "
DAYBREAK 3	LOC	1	4	1577	Apr. 8/86*	" "
DAYBREAK 4	LOC	1	4	1578	Apr. 8/86*	" "
DAYBREAK 5	LOC	1	4	1579	Apr. 8/86*	" "
DAYBREAK 6	LOC	1	4	1580	Apr. 8/86*	" "

NAME OF CLAIM	TYPE	NO. OF UNITS	MONTH OF RECORD	RECORD NO.	EXPIRY DATE	OWNER
DAYBREAK 7	LOC	1	4	1581	Apr. 8/86*	Golden Zone Resources
DAYBREAK 8	LOC	1	4	1582	Apr. 8/86*	" "
DUMAS	CG	1	TAXES	L5727	TAXES	" "
MS	RCG	1	9	3402	Sept. 29/86*	R. PEARSON
FOURTH OF JULY						1124 STANLEY ST.
ARIZONA	RCG	1	2	2946	Feb. 22/86*	NELSON, B.C.
ARIZ #1	LOC	8	6	3162	June 16/85*	FMC #264782
BYWATER	RCG	1	9	3400	Sept. 24/85*	W.P. KOOPMAN
ROYAL	RCG	1	9	3399	Sept. 29/85*	405 HOWE ST. NELSON, B.C. FMC #248051

camp to date is just under one million tons of ore with an average grade of 0.288 ozs/ton gold and 1.79 ozs/ton silver.

The geology of the area consists of a synclorium of sedimentary and metamorphic rocks underlain and for the most part enclosed by various intrusions of the Nelson plutonic suite. Mineralization contains gold, silver, lead, and zinc in quartz veins, stockworks and replacement bodies.

Within the confines of the claim group, 3 specific areas have some recorded history: First, the Dumas crown grant contains 2 short adits and an open cut which explored a southeast trending vein reported to be 3.0 - 4.0 feet wide containing lead, zinc and pyrite with some good gold values. The quartz vein occurs in Ymir Group metasediments within 300 meters of a prominent north trending Nelson intrusive body located to the east.

Second, the New Victor reverted crown grant in 1899 was reported by the Minister of Mines to have milled 5 tons of ore to yield 6 ounces of gold and 8 ounces of silver. No further details are known to be available.

Third, the Arizona reverted crown grant is first mentioned in the 1905 Minister of Mines Report when 250 tons was shipped and milled at the then existing Wilcox Stamp Mill. No values for this shipment were recorded. The property remained dormant until 1941 when it was leased to N. Morris and partner and an undetermined amount of ore was shipped. In 1943, O. Anderson shipped 24 tons averaging 1.42 oz/ton Au., and 2.58 oz/ton Ag. The last recorded work was by B. Sterna in 1945 when 13 tons of ore was shipped at an average value of 1.92 oz/ton Au. and 5.15 oz/ton Ag. In total an estimated 326 tons was shipped from 1905 - 1945 yielding 254 oz. Au., 148 oz. Ag., and 232 lbs. Cu. (0.78 oz/ton Au., 0.45 oz/ton Ag.) The reverted crown grants in the vicinity of formally producing Wilcox Mine located on the Wilcock claim (ie. the Arizona, Bywater, MS, Fourth of July) may be related to the Wilcox Vein system. The Wilcock claim is owned by others.



The Wilcox Mine has a recorded production of 16,041 tons of ore milled which yielded 7,780 ounces of gold (.485 oz Au/ton); 16,932 ounces of silver; 216,551 pounds of lead; 65,569 pounds of zinc between 1901 and 1943.

Due to the sketchy information regarding the locations and specifics of old workings on the New Victor and Dumas reverted crown grants, geochemical traverses were made by the author and 2 assistants to explore these areas. Also, some geochemical reconnaissance was undertaken on the Daybreak claim. A total of 384 geochemical soils and 9 rock chip samples were collected for analyses.

#### A. DAYBREAK CLAIM EXPLORATION

##### DETAILED TECHNICAL DATA AND INTERPRETATION

The dense vegetation and steep slopes covered by thin overburden rendered this area amenable to soil geochemistry as an effective reconnaissance tool. Six east-trending flagged lines were constructed at 100 meter intervals (essentially on contour), and soils were collected at 25 meter sample points along these lines. A total of 115 geochemical soils were collected for analysis.

The sampling procedure consisted of excavating a hole generally 20 - 30cm in depth with a digging tool, well into the B-horizon and collecting 100 - 200 grams of soil which in each case was stored in appropriately labelled standard brown paper soil bags. All samples collected were shipped to Kamloops Research and Assay to be analysed for lead and zinc.

No old workings were encountered during the survey. No outcroppings were observed except at higher elevations (particularly line 5). Outcrop consisted exclusively of granitic rocks which tended to be homogenous and relatively unaltered. Towards the west side of line 5 some fragments of quartz containing residual limonite were observed in the

talus.

The resulting geochemical values for the soil survey are plotted on figure 3 (composite Pb/Zn in ppm). Several Pb/Zn anomalous values occur towards the west side of the survey grid. Of particular interest here are the magnitude of the zinc values as compared to the other soil surveys conducted over the claim group. There is a strong correlation between Pb and Zn values. The notable decrease in values on line 0 and line 1 may be the result of increasing overburden encountered near the valley floor.

#### CONCLUSIONS AND RECOMMENDATIONS

The author recommends that about 15 of the highest Pb/Zn anomalies be analysed to determine if gold and/or silver occur in the anomalous area. A study of the current grid suggest that the existing anomalous concentration will likely extend to the north and west. Some of the existing anomalies should be prospected and hand-trenched in an attempt to identify the source and additional soils and prospecting will ensue contingent upon the results of the preliminary follow-up.

#### B. THE NEW VICTOR AREA OF EXPLORATION

##### TECHNICAL DATA AND INTERPRETATION

The intention of the reconnaissance in this area was to locate and evaluate the old New Victor workings. A traverse well up onto the claim failed to locate the workings initially so 3 soil lines spaced 100 meters apart were run on contour with flagged soil sampled sites at 25 meter separation. Late in the day the author was able to identify an old dump which subsequently proved to originate from the New Victor shaft. This shaft explored a steep dipping,

north trending pyritic quartz vein about 100cm width. An assay of the pyritic dump yielded .254 oz/ton Au, with some silver, lead and zinc values. In an effort to trace the New Victor Vein 4 soil lines were flagged and sampled. These lines were located at 50 meter spacing north and south of the shaft and each line was sampled at 25 meter sites for line distance of 100 meters. The 133 soils collected were shipped to Kamloops Research and Assay for Pb/Zn analyses.

A study of the plotted geochemical Pb/Zn results indicate a good response in the area of the shaft. The degree of contamination caused by dumps and possible old test pits will have to be determined by further field study. It is interesting to note that the modest Pb/Zn assay response of the dump material (Pb 0.34%, Zn 0.33%) reflects a significant lead and zinc geochemical signature.

From the contour soil lines only a few significant anomalies are evident warranting follow-up.

#### CONCLUSIONS AND RECOMMENDATIONS

Aside from the area near the New Victor shaft only 2 areas of good lead response have priority. Prospecting and hand-trenching are suggested initially.

In the vicinity of the New Victor shaft analyse about 10 of the most anomalous Pb/Zn values for Ag/Au. A more detailed field study is recommended near the shaft to locate any other potential workings with the intent being to trace the New Victor Vein and to determine if other mineralized structures occur nearby. Prospecting and hand-trenching anomalous sites followed by perhaps additional soil geochemistry is suggested.

#### C. THE DUMAS AREA OF EXPLORATION

## TECHNICAL DATA AND INTERPRETATION

The object of exploration on the Dumas 1 - 5 claim area was to locate and evaluate old workings, attempt to trace located structures and to test the area for other potential mineralized showings. The procedure consisted of prospecting traverses which included flagged soil lines (figure 3).

The 2 portals located on Dumas crown grant (L5727) appear to be the workings referred to in the Minister of Mines Reports. The vein was not observed in place but it is evident that the trend is about north-south. The portals to the 2 adits are open but were not investigated. Quartz float 50 - 70cm size can be traced for 50 meters above the upper adit. The size of the dumps for both adits suggest the workings penetrate at least 30 meters into the hill. Two dump samples of the highly pyritic isolated portions of the upper dump indicates that gold values locally are 0.15 - 0.20 oz Au/ton, silver 0.6 - 0.9 oz/ton, 1.0% Pb, 1.0% Zn (Note: the bulk of the quartz dump material is virtually barren of visible sulphides and was not sampled). At 50 meters to the north of the lower portal a one - meter quartz vein fragment (not in situ) appears to be the extension of the Dumas Vein but an assay indicates that the vein is virtually barren at this point. The 54 soil results corresponding to the Dumas (L5727) appears to trace the Dumas vein to the north of the adits and define 3 isolated Pb anomalies  $\geq 50$  ppb that warrant further investigation.

The two 1.0 kilometer long contour lines which lie to east of Dumas (L5727) were flagged and sampled at 25 meter intervals. The 82 soils collected were analysed for Pb, Zn. Although no zinc anomalies are evident, 6 Pb values  $\geq 50$  ppb should be investigated.

To the north west of the Dumas C.G. (L5727) the author encountered more workings (refer to figure 3). Short adits and open cuts investigate several individual quartz veins.

Rock chip assays (D, E, F, G) yielded low values for Au, Ag, Pb, and Zn. Some of this field work appears to be quite recent (within the last 5 years).

#### CONCLUSIONS AND RECOMMENDATIONS

In general the lead anomalies exceeding 50 ppm should be prospected (and when deemed useful - hand trenched). The two adits on the Dumas C.G. (L5727) should be examined to view the vein in situ and sampled in more detail (Au, Ag, Pb, Zn assays). Prospecting and additional soil geochemistry can be used to further trace this vein to facilitate a more complete evaluation of its potential.

The area of workings located northwest of Dumas (L5727) should be further prospected. These veins are mineralized but very low grade - they imply an area of activity and thus the immediate area may prove to have potential. As with other sampled areas of the claim group, some of the higher anomalous soil samples could be also analysed for Au and Ag.

FILE NO G-1192

KRAL NO.	IDENTIFICATION	PB	ZN
71	0+75E L75	22.0	69.0
72	1+00E	23.0	195.0
73	1+25E	29.0	1410.0
74	1+50E	29.0	197.0
75	1+75E	20.0	99.0
76	2+00E	43.0	485.0
77	2+25E	18.0	208.0
78	2+50E	19.0	126.0
<hr/>			
79	0+00 TOPS L1+00E	46.0	140.0
80	0+25S	10.0	109.0
81	0+50S	43.0	133.0
82	0+75S	200.0	167.0
83	1+00S	185.0	119.0
84	1+25S	26.0	143.0
85	1+50S	37.0	106.0
86	1+75S	23.0	107.0
87	2+00S	32.0	99.0
88	2+25S	30.0	69.0
89	2+50S	27.0	61.0
90	0+00 L3+00E	23.0	159.0
91	0+25S	16.0	120.0
92	0+50S	30.0	145.0
93	0+75S	21.0	133.0
94	1+00S	24.0	130.0
95	1+25S	20.0	137.0
96	1+50S	19.0	139.0
97	1+75S	48.0	135.0
98	2+00S	73.0	137.0
99	2+25S	44.0	98.0
100	2+50S	31.0	125.0
<hr/>			
101	0+00 NV L0+00	72.0	137.0
102	0+25W	29.0	113.0
103	0+50W	46.0	122.0
104	0+75W	70.0	160.0
105	1+00W	31.0	203.0
106	0+00 L1	36.0	140.0
107	0+25W	76.0	172.0
108	0+50W	32.0	149.0
109	0+75W	34.0	114.0
110	1+00W	36.0	151.0

END OF CENTENNIAL SOIL RC

TOP CLAIM  
SOILS

TOP

FOURTH OF JULY  
NEW VICTOR

42  
FOURTH OF JULY  
NEW VICTOR

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KRAL NO.	IDENTIFICATION	FB	ZN
111	0+00 L2	68.0	222.0
112	0+25W	33.0	429.0
113	0+50W	35.0	411.0
114	0+75W	45.0	965.0
115	1+00W	45.0	750.0
116	0+00 L3	43.0	256.0
117	0+25W	46.0	250.0
118	0+50W	42.0	222.0
119	0+75W	76.0	712.0
120	1+00W	90.0	879.0
121	0+00 L3	31.0	100.0
122	0+25W	34.0	112.0
123	0+50W	35.0	116.0
124	0+75W	34.0	109.0
125	1+00W	41.0	113.0
126	1+25W	35.0	107.0
127	1+50W	60.0	106.0
128	1+75W	31.0	97.0
129	2+00W	58.0	136.0
130	2+25W	52.0	139.0
131	2+50W	46.0	154.0
132	2+75W	35.0	123.0
133	3+00W	32.0	111.0
134	3+25W	25.0	117.0
135	3+50W	41.0	165.0
136	3+75W	39.0	191.0
137	4+00W	37.0	180.0
138	4+25W	43.0	127.0
139	4+50W	35.0	228.0
140	4+75W	46.0	219.0
141	5+00W	36.0	228.0
142	5+25W	41.0	142.0
143	5+50W	47.0	145.0
144	5+75W	30.0	101.0
145	6+00W	20.0	89.0
146	6+25W	23.0	130.0
147	6+50W	24.0	107.0
148	6+75W	19.0	75.0
149	7+00W	18.0	68.0
150	7+25W	43.0	113.0

FOURTH OF JULY  
New Victor

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KRAL NO.	IDENTIFICATION	PB	ZN
151	7+50W	32.0	250.0
152	7+75W	39.0	103.0
153	8+00W	31.0	227.0
154	8+25W	28.0	200.0
155	8+50W	29.0	186.0
156	8+75W	30.0	146.0
157	9+00W	34.0	141.0
158	9+25W	43.0	263.0
159	9+50W	65.0	266.0
160	9+75W	36.0	500.0
161	10+00W	34.0	378.0
162	00 L1	53.0	115.0
163	0+25W	44.0	95.0
164	0+50W	37.0	118.0
165	0+75W	40.0	100.0
166	1+00W	30.0	79.0
167	1+25W	38.0	98.0
168	1+50W	37.0	104.0
169	1+75W	43.0	113.0
170	2+00W	32.0	122.0
171	2+25W	35.0	120.0
172	2+50W	39.0	108.0
173	2+75W	66.0	206.0
174	3+00W L1	48.0	242.0
175	3+25W	60.0	171.0
176	3+50W	31.0	92.0
177	3+75W	153.0	170.0
178	4+00W L1	30.0	106.0
179	4+25W	41.0	94.0
180	4+50W	28.0	126.0
181	4+75W	39.0	216.0
182	5+00W L1	40.0	65.0
183	5+25W	27.0	95.0
184	5+50W	33.0	83.0
185	5+75W	27.0	86.0
186	6+00W L1	31.0	63.0
187	6+25W	26.0	100.0
188	6+50W	26.0	57.0
189	6+75W	33.0	62.0
190	7+00W L1	20.0	70.0



(14)

FOURTH OF JULY  
NEW VICTOR

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KRAL NO.	IDENTIFICATION	PB	ZN
191	7+25W	34.0	97.0
192	7+50W	25.0	122.0
193	7+75W	42.0	111.0
194	8+00W L1	31.0	115.0
195	8+25W	32.0	134.0
196	8+50W	34.0	284.0
197	8+75W	46.0	169.0
198	9+00W L1	32.0	131.0
199	9+25W	42.0	137.0
200	9+50W	58.0	146.0
201	9+75W	26.0	122.0
202	10+00W L1	28.0	119.0
203	0+00 L2	31.0	73.0
204	0+25W	30.0	86.0
205	0+50W	37.0	93.0
206	0+75W	43.0	91.0
207	1+00W L2	43.0	128.0
208	1+25W	28.0	99.0
209	1+50W	24.0	80.0
210	1+75W	25.0	89.0
211	2+00W L2	28.0	89.0
212	2+25W	24.0	83.0
213	2+50W	25.0	78.0
214	2+75W	21.0	86.0
215	3+00W L2	36.0	89.0
216	3+25W	33.0	133.0
217	3+50W	32.0	118.0
218	3+75W	27.0	106.0
219	4+00W L2	25.0	97.0
220	4+25W	22.0	79.0
221	4+50W	24.0	85.0
222	4+75W	25.0	57.0
223	5+00W L2	28.0	83.0
224	5+25W	22.0	76.0
225	5+50W	25.0	101.0
226	5+75W	19.0	86.0
227	6+00W L2	19.0	107.0
228	6+25W	20.0	90.0
229	6+50W	22.0	81.0
230	6+75W	20.0	104.0

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KRAL NO.	IDENTIFICATION	PB	ZN
231	7+00N L2	17.0	103.0
232	7+25N	23.0	102.0
233	7+50N	30.0	106.0
234	0+00 L0 UG	50.0	56.0
235	0+25N	22.0	84.0
236	0+50N	21.0	86.0
237	0+75N	21.0	80.0
238	1+00N L0	20.0	85.0
239	1+25N	30.0	81.0
240	1+50N	30.0	87.0
241	1+75N	14.0	62.0
242	2+00N L0	19.0	117.0
243	2+25N	21.0	120.0
244	2+50N	25.0	122.0
245	2+75N	23.0	127.0
246	3+00N L0	19.0	100.0
247	3+25N	24.0	78.0
248	3+50N	22.0	114.0
249	3+75N	16.0	75.0
250	4+00N L0	19.0	90.0
251	4+25N	20.0	111.0
252	4+50N	22.0	76.0
253	4+75N	30.0	87.0
254	5+00N L0	33.0	99.0
255	0+00N L1	22.0	74.0
256	0+25N	48.0	102.0
257	0+50N	31.0	72.0
258	0+75N	17.0	65.0
259	1+00N L1	42.0	84.0
260	1+25N	36.0	88.0
261	1+50N	41.0	87.0
262	1+75N	37.0	93.0
263	2+00N L1	32.0	89.0
264	2+25N	42.0	88.0
265	2+50N	41.0	90.0
266	2+75N	57.0	72.0
267	3+00N L1	26.0	82.0
268	3+25N	16.0	83.0
269	3+50N	11.0	80.0
270	3+75N	12.0	77.0

END OF NEW VICTOR (FOURTH OF JULY)

Beginning of U.G. SOILS

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KRAL NO.	IDENTIFICATION	PB	ZN
276	3+255	9.0	75.0
279	3+505	7.0	65.0
280	3+755	31.0	55.0
281	4+005 L2	10.0	32.0
282	4+255	22.0	86.0
283	4+505	36.0	109.0
284	4+755	13.0	41.0
285	5+005 L2	14.0	43.0
286	1+255 L3	28.0	73.0
287	1+505	20.0	60.0
288	1+755	17.0	105.0
289	2+005 L3	13.0	63.0
290	2+255	19.0	76.0
291	2+505	12.0	63.0
292	2+755	17.0	42.0
293	3+005 L3	36.0	40.0
294	3+255	17.0	35.0
295	3+505	13.0	56.0
296	3+755	79.0	54.0
297	4+005 L3	17.0	60.0
298	4+255	17.0	35.0
299	4+505	15.0	36.0
300	4+755	22.0	28.0
301	5+005 L3	16.0	36.0
302	0+00 L05 DUMAS	35.0	62.0
303	0+25W	26.0	73.0
304	0+50W	27.0	53.0
305	0+75W	37.0	62.0
306	1+00W L05	46.0	69.0
307	1+25W	25.0	55.0
308	1+50W	20.0	63.0
309	1+75W	31.0	80.0
310	2+00W L05	20.0	99.0
311	2+25W	23.0	54.0
312	2+50W	22.0	39.0
313	2+75W	39.0	20.0
314	3+00W L05	25.0	21.0
315	3+25W	24.0	21.0
316	3+50W	19.0	42.0
317	3+75W	20.0	34.0

End of Bear soils (HALL CREEK GROUP)  
FOURTH OF JULY (DUMAS CLAIM)

#7

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.  
GEOCHEMICAL LAB REPORT

FOURTH OF JULY  
DUMAS CLAIMS  
PAGE 15 / 2

FILE NO G-1192

KRAL NO.	IDENTIFICATION	PB	ZN
318	4+00W L05	35.0	13.0
319	4+25W	60.0	22.0
320	4+50W	25.0	45.0
321	4+75W	29.0	106.0
322	5+00W L05	53.0	54.0
323	0+00 L1	25.0	130.0
324	0+25W	19.0	157.0
325	0+50W	22.0	117.0
326	0+75W	31.0	210.0
327	1+00W L1	24.0	19.0
328	1+25W	26.0	56.0
329	1+50W	20.0	34.0
330	1+75W	28.0	31.0
331	2+00W L1	24.0	30.0
332	2+25W	28.0	45.0
333	2+50W	50.0	93.0
334	0+00W L2	25.0	100.0
335	0+25W	25.0	56.0
336	0+50W	27.0	77.0
337	0+75W	31.0	78.0
338	1+00W L2	60.0	330.0
339	1+25W	25.0	153.0
340	1+50W	25.0	78.0
341	1+75W	22.0	61.0
342	2+00W L2	24.0	85.0
343	2+25W	28.0	64.0
344	2+50W	25.0	88.0
345	0+00 L3	26.0	47.0
346	0+25W	24.0	49.0
347	0+50W	27.0	70.0
348	0+75W	25.0	118.0
349	1+00W L3	24.0	66.0
350	1+25W	27.0	223.0
351	1+50W	30.0	331.0
352	1+75W	26.0	44.0
353	2+00W L3	22.0	170.0
354	2+25W	23.0	100.0
355	2+50W	22.0	103.0
356	0+00 LA	35.0	159.0
357	0+255	28.0	164.0

#8

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.  
GEOCHEMICAL LAB REPORT

FOURTH OF JULY GROUP  
DUMAS CLAIM  
PAGE 16 / 17

FILE NO G-1192

KRAL NO.	IDENTIFICATION	PB	ZN
358	0+505	28.0	179.0
359	0+755	24.0	130.0
360	1+005 LA	27.0	122.0
361	1+255	26.0	176.0
362	1+505	32.0	189.0
363	1+755	68.0	171.0
364	2+005 LA	37.0	158.0
365	2+255	27.0	166.0
366	2+505	28.0	163.0
367	2+755	44.0	131.0
368	3+005 LA	30.0	122.0
369	3+255	26.0	176.0
370	3+505	31.0	150.0
371	3+755	52.0	125.0
372	4+005 LA	36.0	134.0
373	4+255	30.0	119.0
374	4+505	30.0	106.0
375	4+755	31.0	108.0
376	5+005 LA	28.0	111.0
377	5+255	23.0	107.0
378	5+505	22.0	111.0
379	5+755	20.0	112.0
380	6+005 LA	24.0	95.0
381	6+255	24.0	60.0
382	6+505	23.0	57.0
383	6+755	22.0	77.0
384	7+005 LA	22.0	85.0
385	7+255	50.0	83.0
386	7+505	64.0	84.0
387	7+755 A	42.0	107.0
388	8+005 A	44.0	105.0
389	8+255	27.0	87.0
390	8+505	28.0	80.0
391	8+755	34.0	88.0
392	9+005 A	40.0	67.0
393	9+255	53.0	66.0
394	9+505	21.0	27.0
395	9+755	22.0	36.0
396	10+005 A	31.0	54.0
397	0+00 LB	20.0	69.0

#9

KARLOOFS RESEARCH & ASSAY LABORATORY LTD.  
GEOCHEMICAL LAB REPORT

FOURTH OF JULY GROUP  
DUMAS CLAIM  
PAGE 17 OF 18

FILE NO G-1192

KRAL NO.	IDENTIFICATION	PB	ZN
398	0+255	32.0	55.0
399	0+505	22.0	52.0
400	0+755	31.0	78.0
401	1+005 LB	25.0	138.0
402	1+255	29.0	135.0
403	1+505	34.0	137.0
404	1+755	37.0	130.0
405	2+005 LB	29.0	125.0
406	2+255	27.0	107.0
407	2+505	31.0	121.0
408	2+755	52.0	138.0
409	3+005 LB	33.0	117.0
410	3+255	25.0	100.0
411	3+505	29.0	91.0
412	3+755	30.0	87.0
413	4+005 LB	38.0	112.0
414	4+255	33.0	118.0
415	4+505	28.0	92.0
416	4+755	29.0	91.0
417	5+005 LB	31.0	36.0
418	5+255	49.0	89.0
419	5+505	23.0	53.0
420	5+755	23.0	107.0
421	6+005 LB	29.0	42.0
422	6+255	44.0	35.0
423	6+505	26.0	56.0
424	6+755	34.0	71.0
425	7+005 LB	21.0	54.0
426	7+255	28.0	28.0
427	7+505	32.0	45.0
428	7+755	31.0	68.0
429	8+005 LB	28.0	52.0
430	8+255	32.0	63.0
431	8+505	27.0	60.0
432	8+755	24.0	42.0
433	9+005 LB	25.0	131.0
434	9+255	30.0	94.0
435	9+505	29.0	170.0
436	9+755	28.0	112.0
437	10+005 LB	22.0	68.0

END DUMAS

KARLOPS RESEARCH & ASSAY LABORATORY LTD.  
GEOCHEMICAL LAB REPORT

FILE NO G-1192

KRAL NO.	IDENTIFICATION	PB	ZN
262	5+00 L1	40.0	67.0
263	0+00 L2	19.0	61.0
264	0+25	21.0	41.0
265	0+50	18.0	61.0
266	0+75	26.0	66.0
267	1+00 L2	22.0	66.0
268	1+25	29.0	73.0
269	1+50	43.0	100.0
270	1+75	23.0	83.0
271	2+00 L2	40.0	176.0
272	2+25	22.0	85.0
273	2+50	16.0	81.0
274	2+75	17.0	76.0
275	3+00 L2	19.0	90.0
276	3+25	14.0	82.0
277	3+50	11.0	69.0
278	3+75	20.0	70.0
279	4+00 L2	34.0	64.0
280	4+25	23.0	77.0
281	4+50	15.0	61.0
282	4+75	31.0	47.0
283	5+00 L2	25.0	66.0
284	0+00 L0 D. B.	22.0	166.0
285	0+25E	18.0	103.0
286	0+50E	17.0	143.0
287	0+75E	16.0	117.0
288	1+00E L0	17.0	139.0
289	1+25E	17.0	176.0
290	1+50E	15.0	184.0
291	1+75E	18.0	196.0
292	2+00E L0	15.0	183.0
293	2+25E	17.0	172.0
294	2+50E	33.0	144.0
295	2+75E	20.0	214.0
296	3+00E L0	34.0	225.0
297	3+25E	31.0	237.0
298	3+50E	33.0	307.0
299	3+75E	34.0	201.0
300	4+00E L0	31.0	153.0
301	4+25E	24.0	155.0

END OF HALL CREEK GROUP

FOURTH OF JULY  
DAYBREAK CLAIM

#11

KANLOOPS RESEARCH & ASSAY LABORATORY LTD.  
GEOCHEMICAL LAB REPORT

FILE NO G-1192

FOURTH OF JULY GROUP  
DAYBREAK CLAIM  
PAGE 20 of 25

KRAL NO.	IDENTIFICATION	PB	ZN
302	4+50E	23.0	165.0
303	4+75E	22.0	158.0
304	5+00E L0	21.0	169.0
305	5+25E	21.0	163.0
306	5+50E	19.0	157.0
307	5+75E	21.0	135.0
308	6+00E L0	24.0	125.0
309	0+00 L1	36.0	196.0
310	0+25E	34.0	195.0
311	0+50E	35.0	164.0
312	0+75E	28.0	141.0
313	1+00E L1	23.0	133.0
314	1+25E	29.0	156.0
315	1+50E	20.0	153.0
316	1+75E	27.0	134.0
317	2+00E L1	26.0	139.0
318	2+25E	24.0	140.0
319	2+50E	25.0	147.0
320	2+75E	20.0	141.0
321	3+00E L1	19.0	152.0
322	4+50E	41.0	162.0
323	4+75E	44.0	166.0
324	5+00E L1	43.0	164.0
325	5+25E	52.0	353.0
326	5+50E	31.0	345.0
327	5+75E	53.0	229.0
328	6+00E L1	30.0	203.0
329	0+00 L2	30.0	191.0
330	0+25W	19.0	147.0
331	0+50W	33.0	218.0
332	0+75W	48.0	197.0
333	1+00W L2	26.0	146.0
334	1+25W	32.0	159.0
335	1+50W	24.0	246.0
336	1+75W	34.0	162.0
337	2+00W L2	33.0	190.0
338	2+25W	48.0	152.0
339	2+50W	53.0	221.0
340	2+75W	30.0	184.0
341	3+00W L2	126.0	111.0



KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.  
GEOCHEMICAL LAB REPORT

FILE NO G-1192

FOURTH OF JULY GROUP  
DAY BREAK CLAIM  
PAGE 21 / ↑

KRAL NO.	IDENTIFICATION	PB	ZN
342	3+25W	52.0	710.0
343	3+50W	33.0	283.0
344	3+75W	40.0	400.0
345	4+00W L2	41.0	610.0
346	4+25W	98.0	951.0
347	4+50W	39.0	582.0
348	0+00 L3	33.0	241.0
349	0+25W	27.0	146.0
350	0+50W	20.0	132.0
351	0+75W	76.0	252.0
352	1+00W L3	73.0	212.0
353	1+25W	36.0	260.0
354	1+50W	36.0	169.0
355	1+75W	48.0	160.0
356	2+00W L3	41.0	184.0
357	2+25W	30.0	152.0
358	2+50W	54.0	312.0
359	2+75W	46.0	230.0
360	3+00W L3	27.0	421.0
361	3+25W	22.0	658.0
362	3+50W	39.0	463.0
363	3+75W	42.0	816.0
364	4+00W L3	69.0	830.0
365	4+25W	33.0	1195.0
366	4+50W	38.0	448.0
367	0+00 L4	30.0	170.0
368	0+25E	34.0	287.0
369	0+50E	40.0	231.0
370	0+75E	27.0	184.0
371	1+00E L4	29.0	220.0
372	1+25E	30.0	252.0
373	1+50E	46.0	576.0
374	1+75E	40.0	360.0
375	2+00E L4	43.0	492.0
376	2+25E	41.0	492.0
377	2+50E	28.0	311.0
378	2+75E	51.0	482.0
379	3+00E L4	48.0	476.0
380	3+25E	20.0	303.0
381	3+50E	21.0	239.0

KAWLOOPS RESEARCH & ASSAY LABORATORY LTD.  
GEOCHEMICAL LAB REPORT  
FILE NO G-1192

FOURTH OF JULY GROUP  
DAY BREAK CLAIM  
PAGE 22 / 2

KRAL NO.	IDENTIFICATION	PB	ZN
382	0+00 L5	24.0	97.0
383	0+25E	17.0	96.0
384	0+50E	23.0	126.0
385	0+75E	43.0	201.0
386	1+00E L5	20.0	171.0
387	1+25E	21.0	207.0
388	1+50E	17.0	192.0
389	1+75E	26.0	231.0
390	2+00E L5	16.0	153.0
391	2+25E	19.0	184.0
392	2+50E	17.0	127.0
393	2+75E	21.0	553.0
394	3+00E L5	23.0	446.0
395	3+25E	21.0	522.0
396	3+50E	48.0	608.0

PB ZN METHOD -80 MESH HOT ACID EXTRACTION ATOMIC ABSORPTION

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DETAILED COST ESTIMATE

GEOLOGIST (R. WELLS)	
4 field days @ \$225.00/day	\$1,675.00
2 days report preparation	
1.5 days drafting	
ASSISTANTS (SOIL SAMPLERS)	
F. Klages: 5 days @ \$120./day	
R. Mitchell: 5 days @ \$120./day	\$1,200.00
FOOD AND ACCOMODATION	
3 men - 6 days @ \$40/man day	\$720.00
FOUR-WHEEL DRIVE RENTAL PLUS FUEL	
6 days @ \$70./day	\$420.00
SOIL ANALYSES FOR Pb/Zn	
384 soils @ \$3.50/sample	\$1,340.00
TYPING	
1 day @ \$90./day	\$90.00
	-----
TOTAL	\$5,445.00

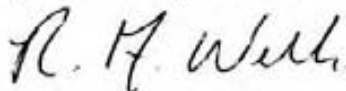
(AMOUNT CLAIMED FOR ASSESSMENT PURPOSES: \$4,000.00)

AUTHOR'S CERTIFICATE

I, Raymond A. Wells, of Merritt, British Columbia, do hereby certify that:

1. I am a geologist employed by Scope Exploration Services Ltd., P.O. Box 1101, Merritt, British Columbia.
2. I am a graduate of the University of British Columbia with a B.Sc. Degree in Geology (1976).
3. I have practised my profession since graduation. My previous employers include Trigg, Woollett and Associates of Edmonton, Pan Ocean Oil Ltd., of Calgary, and Cordilleran Engineering of Vancouver.
4. Recent clients include London Silver Corporation of Vancouver, Lawrence Mining Corporation and Goldrich Resources Inc. of Vancouver, B.C.
5. This assessment report is based on research and field activities conducted during 1984.

Respectfully submitted,



Raymond A. Wells,

November, 1984.

### STATEMENT OF QUALIFICATIONS

I, Fred Klages, have been employed in exploration field work for 12 years. During this time I have gained extensive experience in geochemical techniques and grid preparation under the direction of seasoned field personnel.

A handwritten signature in cursive script that reads "Fred Klages". The signature is written in dark ink and is centered on the page.

Fred Klages.

STATEMENT OF QUALIFICATIONS

I, Rick Mitchell, have been employed in exploration field work for 5 years. During this time I have gained extensive experience in geochemical techniques and grid preparation under the direction of seasoned field personnel.

*Rick Mitchell*

Rick Mitchell

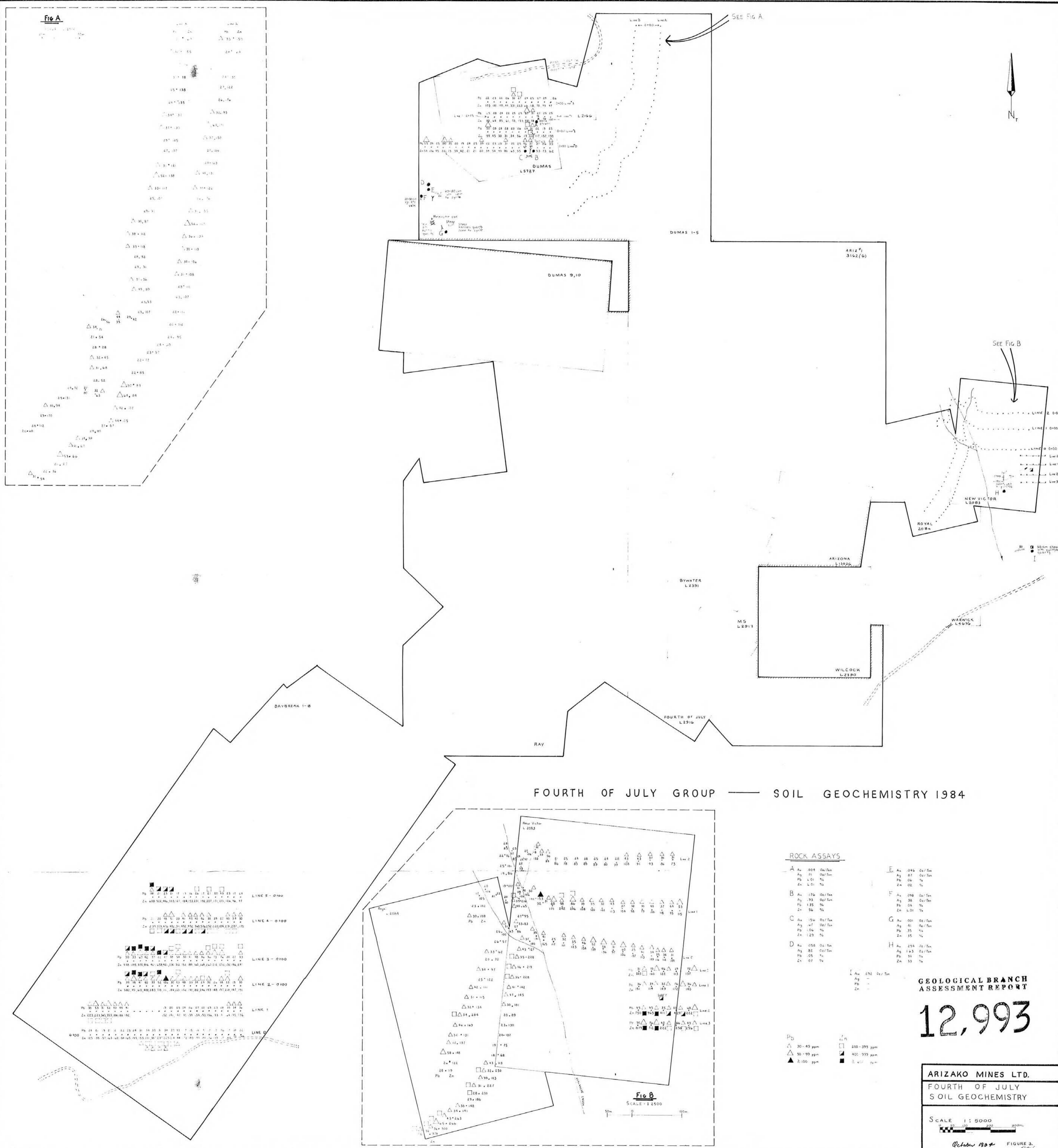


Fig A

SEE FIG A

SEE FIG B

FOURTH OF JULY GROUP — SOIL GEOCHEMISTRY 1984

ROCK ASSAYS

A	Au .004 Oz/Ton	E	Au .046 Oz/Ton
	Ag .01 Oz/Ton		Ag .87 Oz/Ton
	Pb 1.01 %		Pb .06 %
	Zn 1.01 %		Zn .02 %
B	Au .176 Oz/Ton	F	Au .098 Oz/Ton
	Ag .73 Oz/Ton		Ag .41 Oz/Ton
	Pb 1.35 %		Pb .04 %
	Zn .56 %		Zn 1.01 %
C	Au .156 Oz/Ton	G	Au .000 Oz/Ton
	Ag .07 Oz/Ton		Ag .41 Oz/Ton
	Pb 1.06 %		Pb .35 %
	Zn 1.29 %		Zn .35 %
D	Au .058 Oz/Ton	H	Au .254 Oz/Ton
	Ag .82 Oz/Ton		Ag 1.43 Oz/Ton
	Pb .05 %		Pb .31 %
	Zn .07 %		Zn .33 %
		I	Au .672 Oz/Ton
			Ag -
			Pb -
			Zn -

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

12,993

ARIZAKO MINES LTD.  
FOURTH OF JULY  
SOIL GEOCHEMISTRY

SCALE 1:5000  
October 1984

Pb	30-49 ppm	Zn	200-399 ppm
△	50-99 ppm	■	400-799 ppm
▲	≥100 ppm	■	≥1000 ppm

Fig B

SCALE 1:2500

