

4440

921/4E
RECONNAISSANCE

GEOLOGIC

AND

GEOCHEMICAL

SURVEYS

ON CLAIMS

IC 1 to 24

IN THE

KAMLOOPS MINING DIVISION

OF

BRITISH COLUMBIA

May 7, 1973

E. AMENDOLAGINE, P.Eng.

Department of	
Mines and Petroleum Resources	
ASSESSMENT REPORT	
NO.	4440
	A-P

PROPERTY

The property consists of 24 contiguous mining claims known as IC 1 to 24 inclusive with recorded No.'s 110135 to 110158 inclusive and respectively in the Kamloops Mining Division of British Columbia.

LOCATION

The property is located some 8 miles southeasterly of Kamloops, B.C. at N. latitude $50^{\circ} 34'$ and W. longitude $120^{\circ} 14'$ some 2 miles east of Separation Lake.

ACCESS

The property is located some 18 road miles from Kamloops. Via 2 miles west on the Trans Canada Highway from Kamloops then some 12 miles south on the No. 5 Highway, then some 4 miles northeast on the Campbell Creek road.

MAPS

- #1 Location map
- #2 Geological map

GENERAL GEOLOGY

This area is part of the Interior Plateau region and contains rocks ranging in age from Triassic to Recent. The general geology is shown on Map No. 886-A accompanying Memoir 249, Geology and Mineral Deposits of Nicola Map Area, British Columbia, by W.E. Cockfield, published by the Department of Mines and Resources.

LEGENDCenozoic

Kamloops Group - Andesites, basalts,

Mesozoic

Iron Mask Batholith - Microdiorites, micromonzonites, gabbro, diorites, pyroxenites, monzonite, syenite.

Post Nicola Intrusions - Picrite, basalt, serpentine

Nicola Group - Andesites, basalts, lava, tuffs and agglomerate.

Cache Creek Group - Andesites and tuffaceous argillite.

Palaeozoic

Argillite, quartzite, hornstone, limestone, conglomerate, breccia, greenstone and serpentine.

SURVEYS CONDUCTED

The surveys consisted of a reconnaissance geological and geochemical survey performed, with the assistance of Pat Nolan and by Geologist P. Marshall, helper Vincent Amendolagine, and myself during the period of September 1-30, 1972. The control consisted of chain and compass lines with samples taken every 400 feet intervals along the lines.

The property was systematically examined by soil sampling. The samples were taken mostly with an auger at approximately 18" in depth.

They were shipped to Core Laboratory where they were assayed by hot extraction method for copper in ppm. The assays are plotted on the enclosed plan at a scale of 400' = 1".

The geochemical soil sample assays ranged from 15 ppm Cu to 153 ppm Cu. The statistical frequency analysis indicated that 7.3% of the soil samples assayed 50 ppm Cu and higher.

The following is a statistical frequency analysis.

<u>Cu in Ppm</u>	<u>No. of Samples</u>	<u>%</u>	
1 to 19 ppm	11	10%)	
20-29 ppm	36	33%)	
30-39 ppm	40	36%)	92.7%
40-49 ppm	15	13%)	
50-59 ppm	4)		
66 ppm	1)		
72 ppm	1)		
80 ppm	1)	= 7.3%	
153 ppm	1)		

The analysis indicates that possibly 7.3% of the samples could be considered approaching anomalous readings. These were only a few samples and mainly scattered. The areas around these readings should be checked in detail to examine their significance.

The geology was a reconnaissance survey which consisted of plotting all observed rock outcrops. All the outcrops seen were of a granitic type formation which is believed to be the Jurassic Coast intrusive. Generally the granite is white but in most instances the granite along the

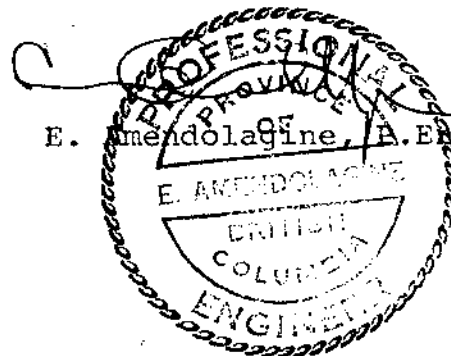
Campbell Creek road is mostly severely fractured with the immediate area of the fractures giving a pink appearance. The pinkness in the rock generally does not penetrate completely through the rock but forms a zonal effect adjacent to the fractures. This effect is due possibly to hydrothermal alteration and should be completely studied.

CONCLUSION

The geochemical survey indicated 8 possible readings approaching anomalous conditions, however, no anomalies were outlined at this time. The immediate areas of these readings should be detail soil sampled to examine their significance. The geologic survey indicates some possible alteration mainly near the Campbell Creek road. This alteration and its association with the fracturing should be more thoroughly examined.

Respectfully submitted,

E. Amendolagine, A. Eng.





ASSAYERS
CHEMISTS
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CORE LABORATORIES LTD.

325 Howe Street Vancouver 1, B.C. Phone 688-3504

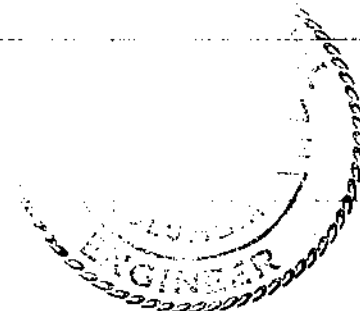
Certificate of Analysis

REPORT NO.
437

SAMPLE(S) FROM: MANNY CONSULTANTS (PAGE TWO)

1C

SAMPLE NO.	Cu ppm	Sample No.	Cu ppm
61	33	91	46
62	22	92	36
63	27	93	29
64	19	94	32
65	25	95	37
66	34	96	30
67	36	97	36
68	34	98	42
69	42	99	40
70	40	100	13
71	30	101	20
72	24	102	25
73	23	103	19
74	18	104	26
75	22	105	25
76	37	106	17
77	33	107	20
78	32	108	31
79	30	109	20
80	32	110	13
81	22		
82	21		
83	17		
84	28		
85	27		
86	28		
87	27		
88	29		
89	52		
90	32		



DATE February 20, 1973

SIGNED



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GEOCHEMISTS

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Certificate of Analysis

REPORT NO.
437

SAMPLE(S) FROM: **MANNY CONSULTANTS**
4550 Harriet St.
Vancouver 10, B.C.

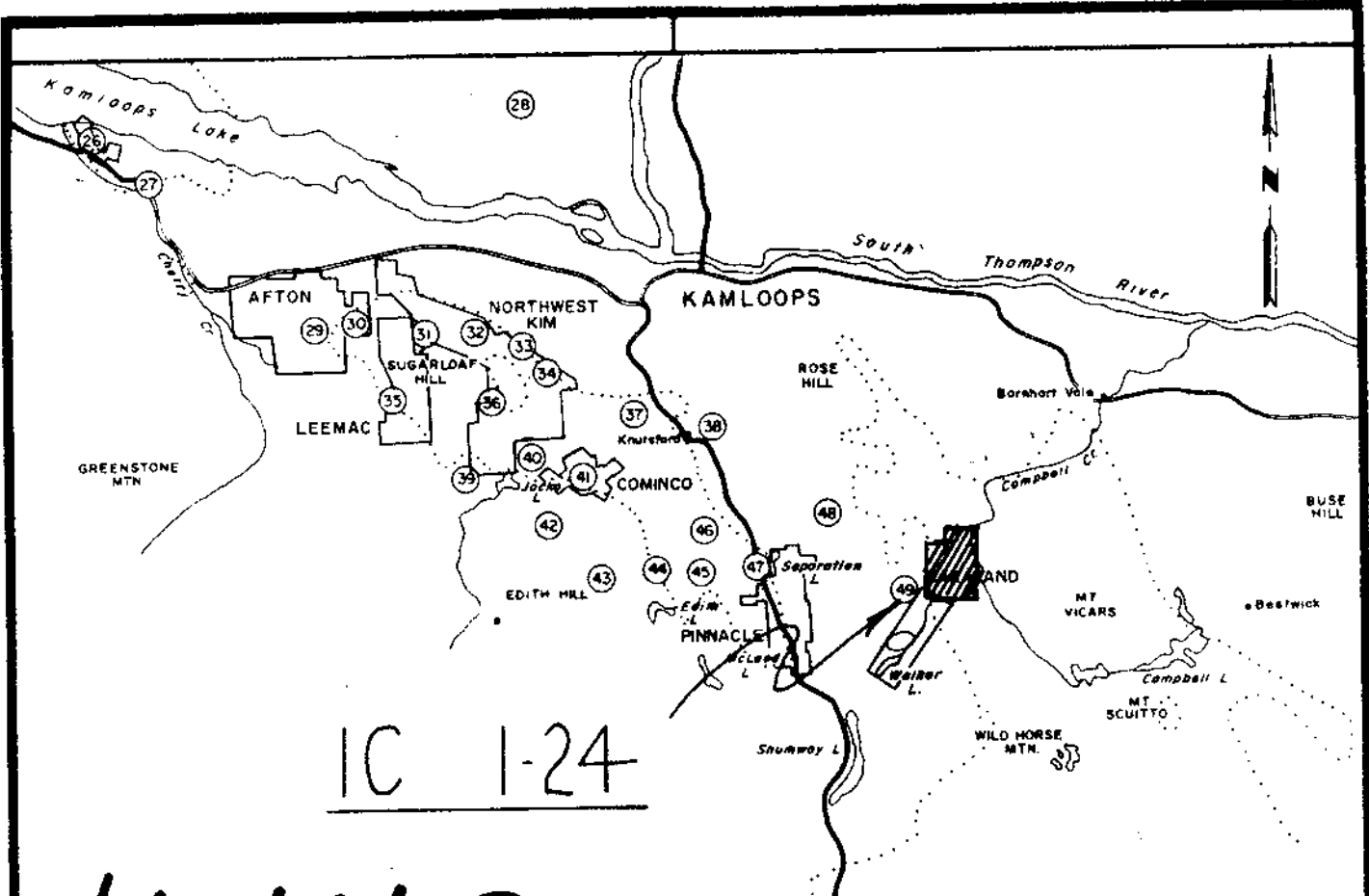
1C

SAMPLE NO.	Cu ppm	Sample No.	Cu ppm
1	37	31	20
2	32	32	27
3	45	33	40
4	38	34	28
5	31	35	23
6	37	36	22
7	48	37	30
8	44	38	26
9	31	39	40
10	38	40	30
11	32	41	30
12	29	42	27
13	28	43	28
14	18	44	47
15	22	45	24
16	20	46	21
17	66	47	16
18	40	48	15
19	33	49	17
20	32	50	40
21	72	51	31
22	40	52	32
23	33	53	33
24	35	54	37
25	53	55	158
26	80	56	47
27	35	57	47
28	30	58	59
29	53	59	38
30	51	60	28







DATE February 20, 1973

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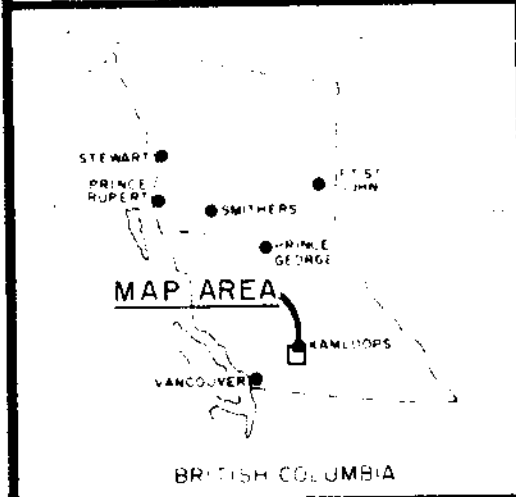
IC 1-24

4440 M-1

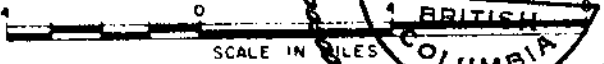
-  Property Outline
-  Mineral Showings, Nicola Map: 887 A
-  Mineralized Lineament
- MESOZOIC
-  Jurassic Coast Intrusive

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 4440 MAP # 1

To ACCOMPANY REPORT OF E. AMEN, P.E.

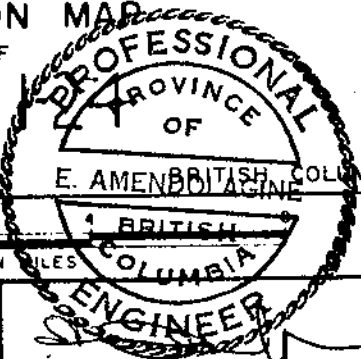


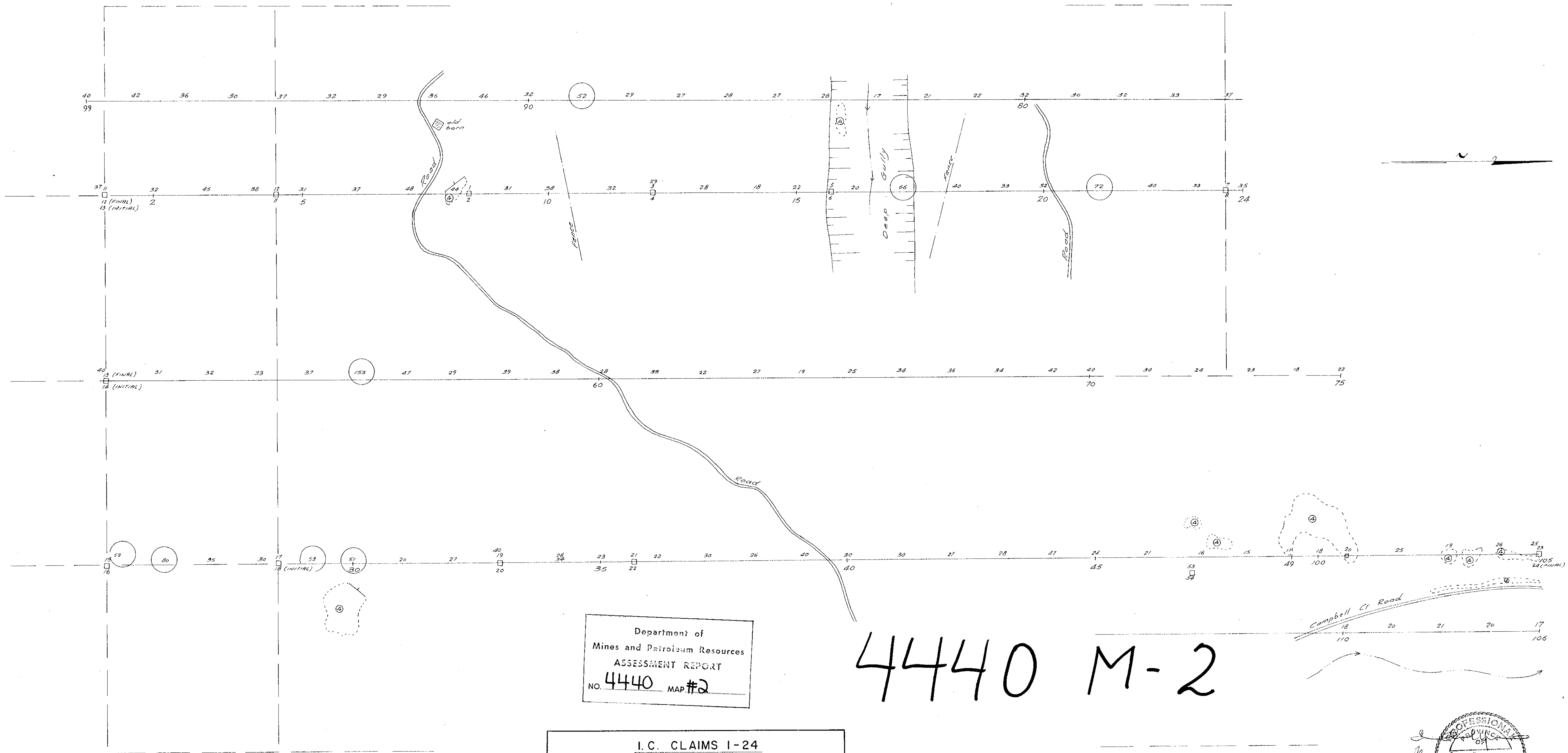
LOCATION MAP
OF
IC
KAMLOOPS AREA



SCALE IN MILES

MAY 3, 1973

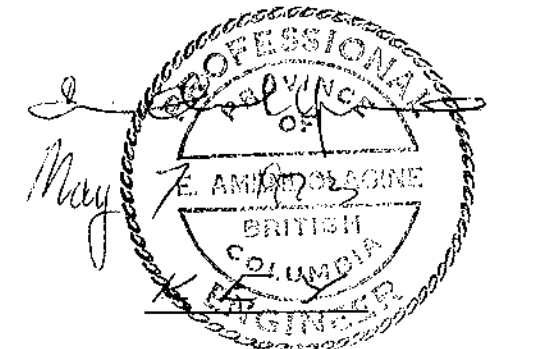
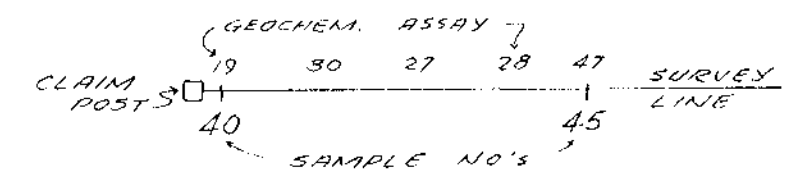




Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 4440 MAP #2

4440 M-2

I.C. CLAIMS 1-24
GEOLOGICAL & GEOCHEMICAL MAPPING
E. AMENDOLAGINE MAY 1973
SCALE: 1 in. = 400 ft
KAMLOOPS MINING DIVISION



④ - Granite: Black & White, occ. Pink; Coarse grained, massive.