

WILDHORSE CREEK EXTENSION PROJECT

FORT STEELE MINING DIVISION

WILDHORSE RIVER, BRITISH COLUMBIA

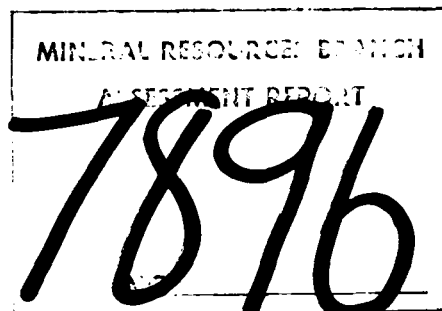
NTS 82 G ~~12~~ 13 ~~E~~ $\frac{1}{2}$ 14 ~~W~~

Lat. 49°49'

Long. 115°30'

PROSPECTING REPORT

APRIL 1, 2 & 3 CLAIMS



R. A. Buckley, P. Eng.

March 20, 1980

I N D E X

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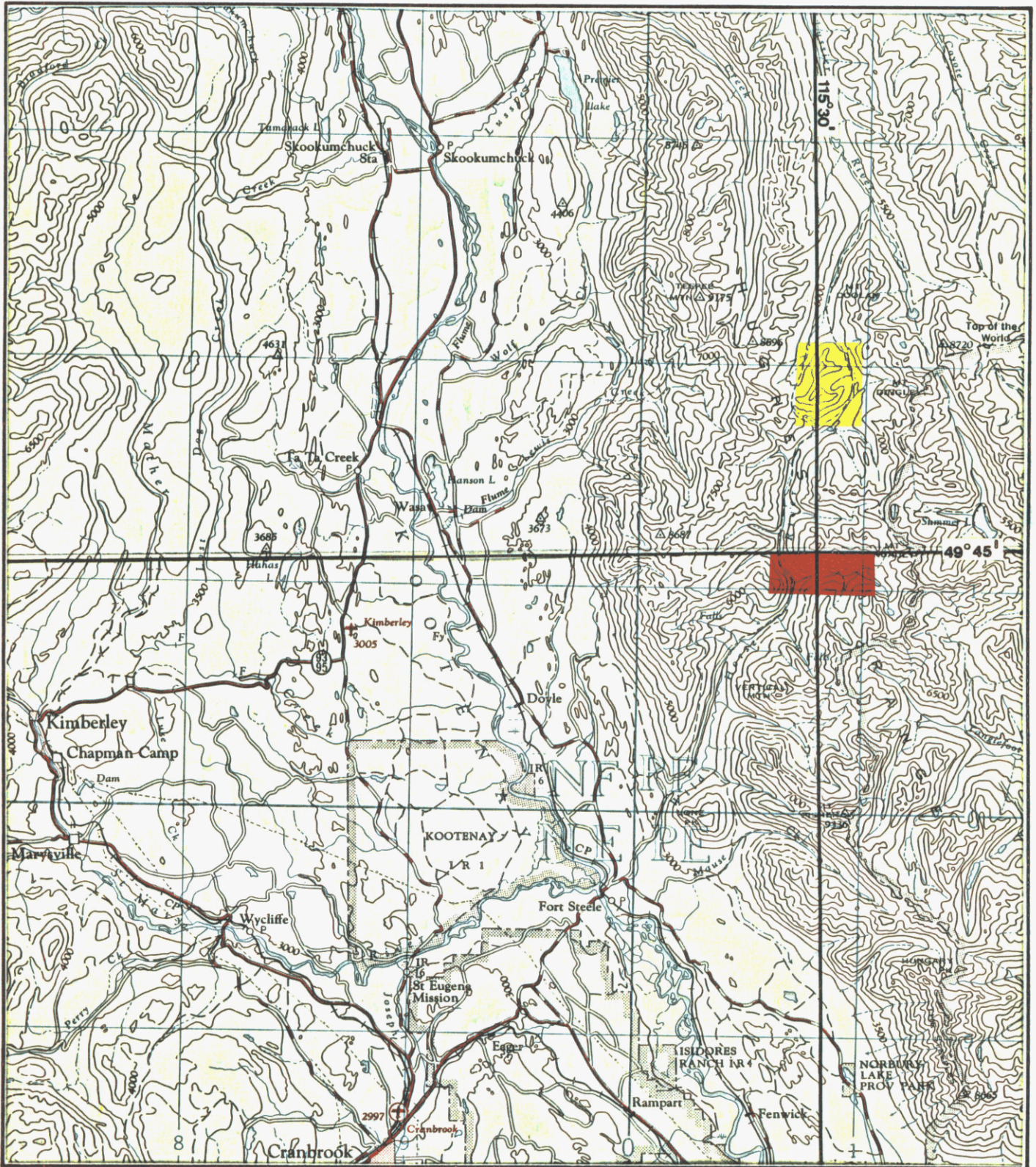
Map 2 - Geology and Silt-Soil Sample Description

Map 3 - Creek Silt Sampling

I N T R O D U C T I O N

Attention to this portion of the Wildhorse River was renewed with the publication of Preliminary Map No. 28 and the accompanying notes by Trygve Höy "Geology of the Estella-Kootenay King Area, Southeastern British Columbia", by the Ministry of Mines and Petroleum Resources.

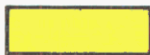
Two of the current 3 claim group were staked in April with a follow-up claim April 3 being located with the return of better weather. In total 52 Units have been located on ground surrounding a quartz monzonite intrusive where this intrusive cuts through Cambrian dolomites and Lower Proterozoic (Gateway Formation) clastics and dolomites. Major prospecting interest was directed to the search for tungsten bearing skarns.



EAST WILDHORSE CREEK
(DAISY & CEDAR CLAIMS)



EAST WILDHORSE EXTENSION
(APRIL CLAIMS)

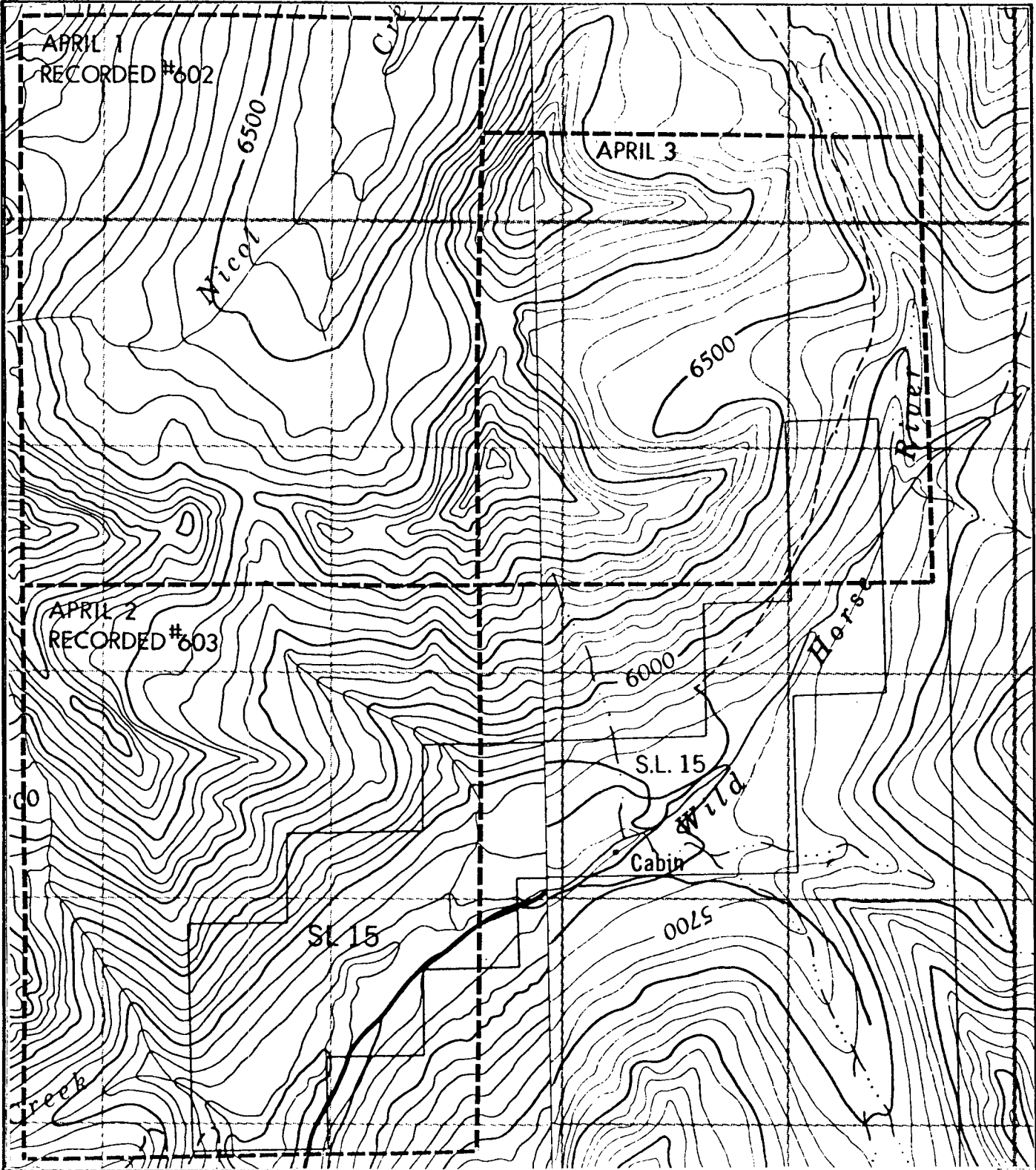


DEKALB MINING CORPORATION

EAST WILDHORSE CREEK
BRITISH COLUMBIA

CLAIM LOCATION MAP

NTS MAP 82-G



DEKALB MINING CORPORATION

EAST WILD HORSE EXT.
B.C.

CLAIM MAP

1:25,000

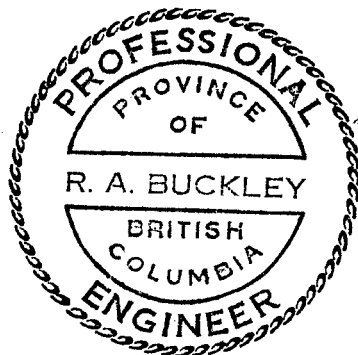
80 03

W O R K P R O G R A M

Work on the property began after a tent camp set-up with general reconnaissance of roads, trails, stream and rock outcroppings. It was then decided to sample the stream sediments, map the outcroppings and cut lines in preparation for a detail soil sampling program.

The line cutting program progressed much slower than anticipated due to heavy underbrush and dead fall with the result that the program was not finished by the end of the season. Finished lines have been plotted on Map 1. In total 32.450 line kilometers of line has been cut.

The stream sediment survey progressed well with several areas of interest being located. Map 3 has been posted with copper and tungsten stream sediment values being plotted. Rock mapping isolated several areas to be followed up. Map 3 records where copper showings have been discovered. Regional mapping by the Ministry of Mines and Petroleum Resources has been transferred to the base map, (Map 2). Limited detail Geology has been mapped in the vicinity of the intrusive but is inconclusive and has not been posted on this scale. Follow-up Geological mapping is scheduled in the next exploration season.



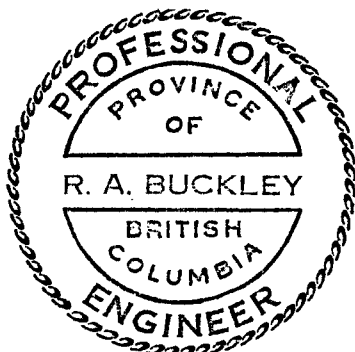
R. A. Buckley

Q U A L I F I C A T I O N S

R. A. BUCKLEY

- A. I, Ronald A. Buckley, am by profession a Geologist, residing at R.R. #2, Cochrane, TOL OWO, in the Province of Alberta.
- B. I graduated in the year 1957 from Acadia University, Wolfville, Nova Scotia, with a Bachelor of Science Degree in Geology, with a minor in Chemistry and Physics.
- C. I graduated in the year 1959 from McGill University, Montreal, in the Province of Quebec, with a Master of Science Degree in Geology.
- D. Since graduation I have taken updating courses through the Department of Continuing Education at the University of Calgary in Structural Geology (PhD credit course), Sedimentary Geology (PhD credit course), Geochemical Surveying, Property Evaluation, Geology of Stratabound Lead Zinc Deposits, Geology of Reefs (2 courses) and Air Photo Interpretation.
- E. Since graduation, I have been employed by a Mining Company, a Provincial Department of Mines, and three Oil Companies in the search for oil, gas and metallic minerals.
- F. I am a member:

The Alberta Association of Petroleum Geologists
Mineralogical Association of Canada
Society of The Sigma XI
Canadian Institute of Mining and Metallurgy
Association of Professional Engineers of Alberta
Professional Engineers of British Columbia



R. A. Buckley, B.Sc., M.Sc., P. Geol., P. Eng.

REFERENCES

1. Geology of the Estella-Kootenay King Area, Southeastern British Columbia. Includes Preliminary Map No. 28 Trygve Höy 1977.
2. Geology of the Mount Fisher-Sand Creek Area. Includes Preliminary Map No. 34 M.E. McMechan 1978.
3. Map 11-1960 Geology Fernie, West Half, Kootenay District G.B. Leech.
4. Cranbrook Map - Area, B.C. H.M.A. Rice G.S.C. Mem. 207 1937.
5. Geology of the Cranbrook Map - Area, B.C. S.J. Schofield G.S.C. Mem. 76 1915.
6. NTS Map 82G

A P P E N D I X

DEKALB MINING CORPORATION
WILDHORSE CREEK EXTENSION, B.C.

FEBRUARY 1980

P E COMMENCED
P E COMPLETED
3 15

COMPANY WI 100.0000
P E NUMBER 404
LEASE

CODE	DESCRIPTION MAJ ACCT	PRIOR YEAR	CURR YEAR	TOTAL	ESTIMATE	VARIANCE
SEISMIC PROJECT						
500	CLAIM STAKING COSTS 385	2,400		2,400	3,000	600-
500	ANNUAL WK RECORDING 385	435		435	300	135
509	CONT LINE CUTTING C 385	6,605	758-	5,847	8,500	2,653-
510	BULLDOZING AND CLEA 385		1,350	1,350		1,350
510	CONT GEOCHEMICAL CH 385	2,400	2,400-		3,000	3,000-
520	PROCESSING AND INTE 385	1,600	1,600-		2,000	2,000-
523	CO PERSONNEL & TRAV 385	6,143	2,800	8,943	2,000	6,943
515	DRAFTING AND REPROD 385	379	379-		500	500-
517	MAPS, BOOKS, PUBLIC 385	101		101	100	1
530	COMMUNICATIONS 385	80	80-		100	100-
510	MISCELLANEOUS 385		742	742		742-
510	EQUIPMENT 385	400	400-		500	500-
575	ROAD CONST. & MAINT 385		2,800	2,800		2,800
576	CAMP - ROADWAY & YA 385		410	410		410
517	CAMP-BUILDINGS & EO 385		751	751		751
578	CAMP-MAINTENANCE & 385		531	531		531
TOTAL SEISMIC PROJECT		20,543	3,767	24,310	20,000	4,310
TOTAL EXPENDITURES		20,543	3,767	24,310	20,000	4,310
COMPANY NET INTEREST		14,552	2,011	16,563	20,000	
AUGUST EST/ACTUAL			1,418-			
CURRENT YEAR			3,429			

DEKALB MINING CORPORATION
WILDHORSE RIVER PROJECT AFE 4041

<u>PERSONNEL</u>	<u>PERIOD WORKED</u>			<u>ACTUAL PAY</u>			<u>JOB CLASSIFICATION</u>
	<u>JULY</u>	<u>AUGUST</u>	<u>SEPTEMBER</u>	<u>JULY</u>	<u>AUGUST</u>	<u>SEPTEMBER</u>	
V. Johnson		15 - 31	1 - 12	\$	\$ 897.00	\$ 744.00	Line Cutter
W. Krockner			6 - 15			318.00	Line Cutter
G.K. MacMenagil			1 - 7			90.00	Camp Cook
R. Michaud	30 - 31	1 - 31		114.00	1,837.00		Line Cutter
D. Mochrie		26 - 28			196.56		Line Cutter
C.C. Nightingale		15 - 25			632.32		Line Cutter
R.W. Pitts	30 - 31	1 - 28		114.00	1,937.00		Line Cutter
G. Sather			9			66.00	Line Cutter
T.J. Termuende		15 - 31	1 - 9		826.50	174.00	Line Cutter
N. Buckley		25 - 26			146.50		Soil Sampler
A. J. Morris	29 - 31	1 - 31	1 - 14	300.00	3,100.00	1,400.00	Project Supervisor
R. A. Buckley	24 - 31	1 - 11	19	1,400.00	1,100.00	200.00	Exploration Manager
TOTAL				<u>\$1,928.00</u>	<u>\$10,571.88</u>	<u>\$2,992.00</u>	

WILDHORSE RIVER EXTENSION
SILT SAMPLE - DESCRIPTIONS

- 79 A 1 - black mud, mostly organic; creek follows gulley - possible contact between grey crystalline (silty dolomite?) and fine grained hornfelsed shale and grey limestone.
- 79 A 2 - "soil" - some silt, high organic; seasonal run off drainage channel
 - float: feldspar (pink) porphyry granite with biotite and minor pyrite.
 - crystalline (silty dolomite?)
 - grey bedded limestone (quartzite)
- 79 A 3 - approximately 6" stream - sandy silt - on logging road.
- 79 A 4 - <6" stream; sandy silt, mud and organic.
 - float: pink feldspar porphyry granite; grey-green limestone.
- 79 A 5 - "dry" stream bed; brown soil with coarse rock fragments.
 - float: pink feldspar porphyry granite; chloritized meta sediments; grey limestone.
- 79 A 6 - Sandy silt; 6" - 1 foot wide stream; mostly glacial alluvium.
- 79 A 7 - Sandy silt; 3' - 6' wide stream; glacial alluvium.
- 79 A 8 - Sand; dry stream bed; glacial boulders.
- 79 A 9 - Sand; glacial boulders.
- 79 A 10 - Medium to coarse sand; glacial alluvium.
- 79 A 11 - Wildhorse River - fine to coarse sand; glacial debris and alluvium.
- 79 A 12 - 3' - 6' wide stream; fine mud to coarse rock fragments.
 - float: white quartz, white limestone (crystalline); grey-green shale; pink and green quartzite.
 - (previous silt sample flag - PF 167)
- 79 A 13 - fine to coarse sand.
 - float: pinkish quartzite; grey limestone; green, pyritiferous chloritic argillite occasionally with quartz stringers.
- 79 A 14 - dry - seasonal runoff channel; medium to coarse sand with rock fragments.
 - float: pinkish granodiorite; green and pink quartzite.
- 79 A 15 - fine silt and large rock fragments; glacial debris.
- 79 A 16 - fine to coarse sand.
 - float: white limestone (sucrosic)
- 79 A 17 - fine to medium silt with coarse sand (pebbles).
 - float: fine grained micaceous greenstone.
 - white "bull" quartz stringers within greenstone.
 - green and purple banded meta sandstone with disseminated pyrite crystals.
- 79 A 18 - fine to medium sand.
 - float: mostly glacial debris; white limestone; greenstone; various altered phases of granitic intrusive.
- 79 A 19 - fine to medium sand.
 - float: white limestone; greenish feldspar porphyry granite intrusive.
- 79 A 20 - (mile 18 on Wildhorse River road); medium to coarse sand.
 - float: white limestone (with altered zones - skarn?); feldspar (pink) porphyry intrusive; other glacial debris.
- 79 A 21 - soil sample taken below limestone/intrusive contact; possible skarn with pyrite and malachite.
- 79 A 22 - fine silt to coarse sand.



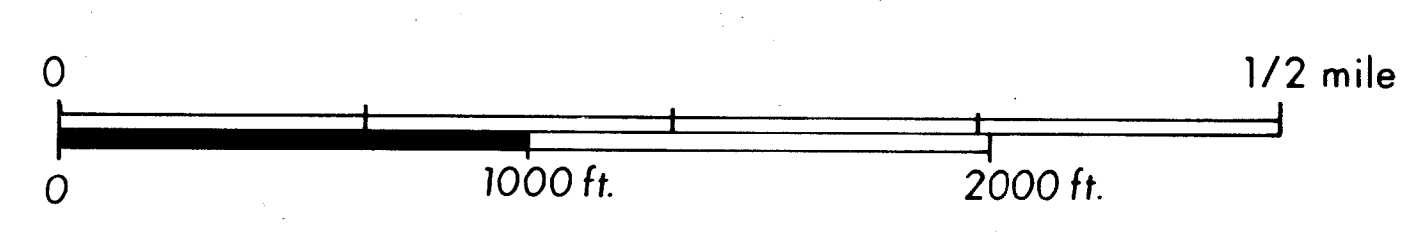
LEGEND
 — EXPLORATION GRID LINES
 — ROAD
 △ SET SAMPLE LOCATION
 ■ CLAIM POST
 - - - CLAIM BOUNDARIES

EAST WILD HORSE EXT.
 BRITISH COLUMBIA

EXPLORATION GRID LINES
 MAP 1

79 12 13

SCALE 1:5000



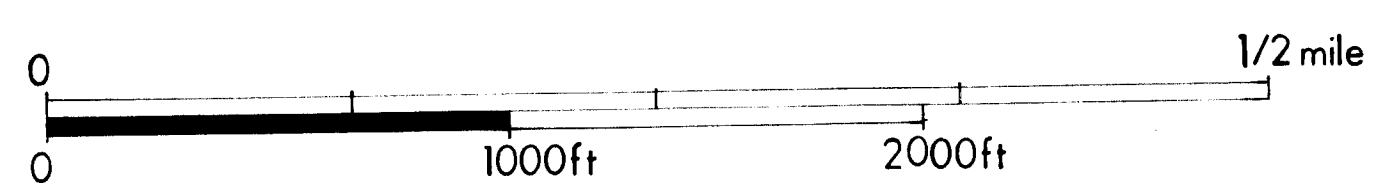
metric : 1cm on map = 5000cm on ground

MINERAL RESOURCES STRATEGIC ASSOCIATION
7896
 PROFESSIONAL ENGINEER
 R. A. BUCKLEY
 BRITISH COLUMBIA
 REGISTERED ENGINEER
 TO ACCORDANCE WITH THE PROFESSIONAL ENGINEERS ACT
 MARCH 1980



EAST WILD HORSE CK.
BRITISH COLUMBIA

SOIL SURVEY



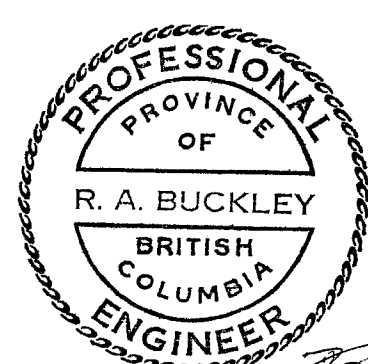
• Cu (Copper)
• W₃ (Tungsten)
• Sn (Tin)
N.R. Not reported

— ROADS & TRAILS
— RIVERS & STREAMS

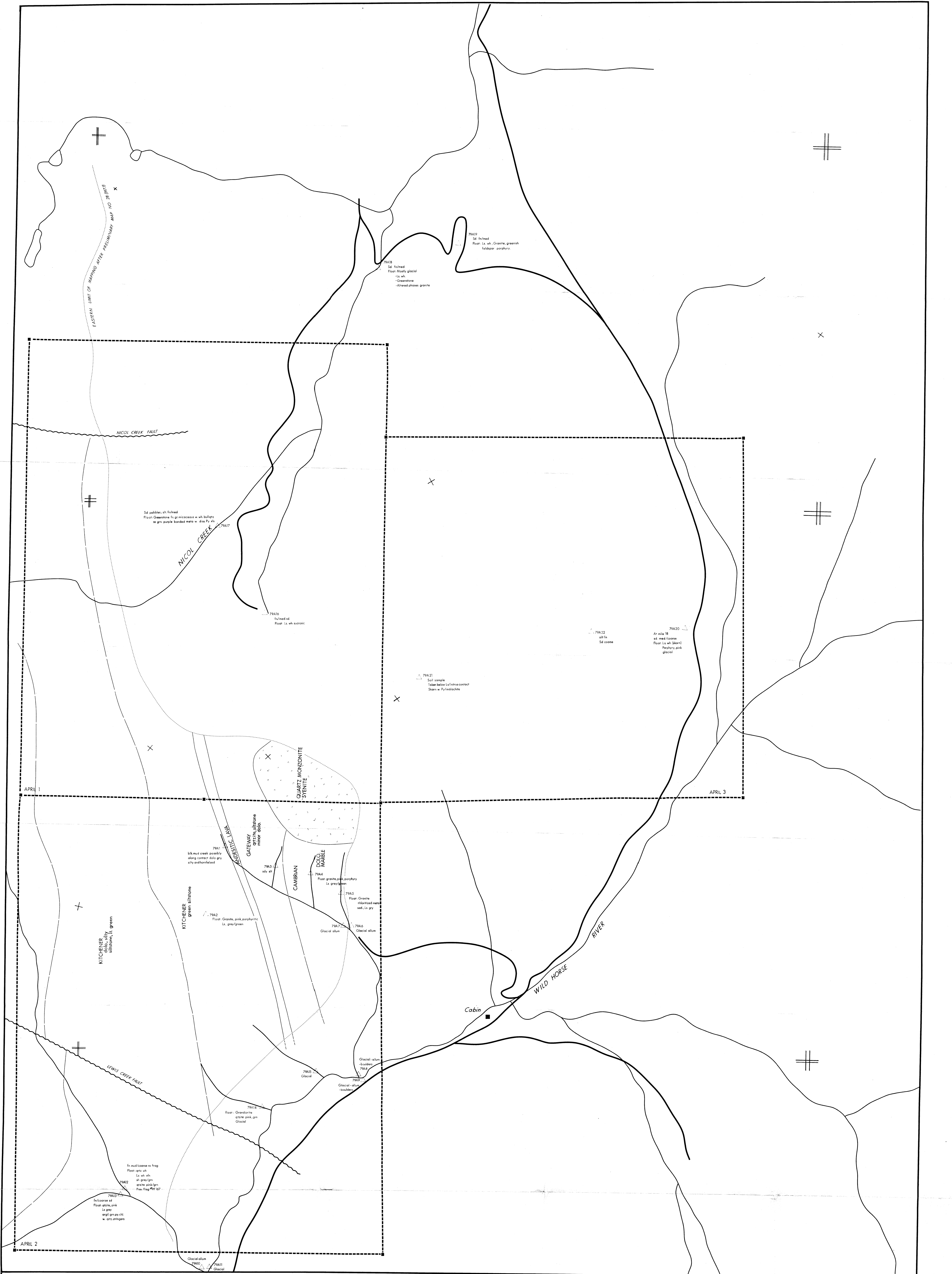
metric: 1 cm on map = 5000 cm on ground

SCALE 1:5000

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TO ACCOMPANY GEOCHEMICAL REPORT
BY R. A. BUCKLEY, P. ENG.
MARCH, 1980

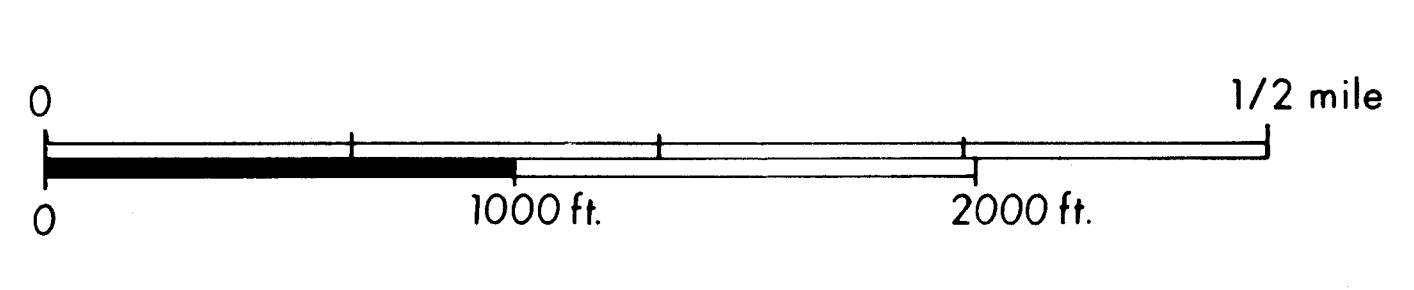


EAST WILD HORSE EXT.
BRITISH COLUMBIA

GEOLOGY AND SILT-SOIL SAMPLE DESCRIPTION

MAP 2
80 03 14

SCALE 1:5000



- LEGEND**
- ROAD
 - ▲ SILT SAMPLE LOCATION
 - CLAIM POST
 - CLAIM BOUNDARIES

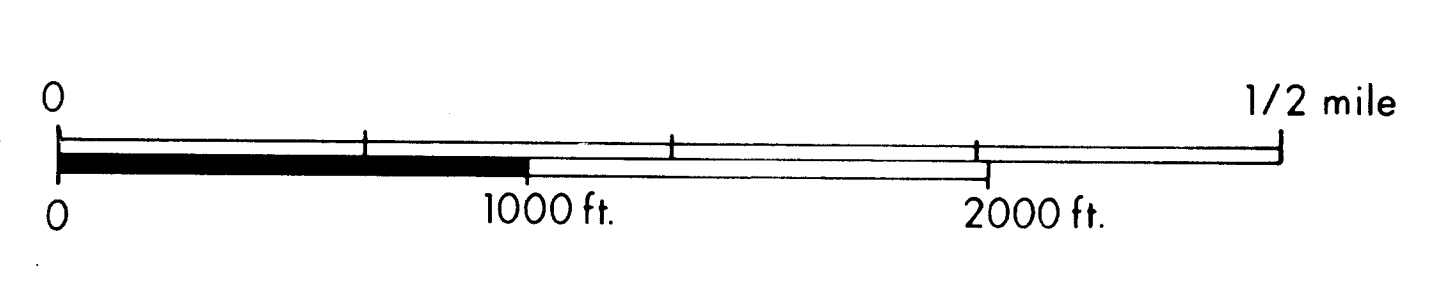
PROFESSIONAL ENGINEER
R. A. BUCKLEY
BRITISH COLUMBIA
ENGINEER

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TO ACCURATELY PROSPECTING
REFLECT BY R. A. BUCKLEY, P. ENG.
MARCH, 1980



EAST WILD HORSE EXT.
BRITISH COLUMBIA



metric : 1cm on map = 5000cm on ground

- LEGEND**
- ROAD
 - △ SILT SAMPLE LOCATION
 - CLAIM POST
 - - - CLAIM BOUNDARIES

△ TUNGSTEN
COPPER
Measured in ppm

CREEK SILT SAMPLING
MAP 3
79 11 19
SCALE 1:5000

MINERAL RESOURCES BRANCH
ASSESSMENT DIVISION
7896

PROFESSIONAL
ENGINEER
OF
BRITISH
COLUMBIA
R. A. BUCKLEY
MARCH 1980

TO ACCORDANCE WITH THE
REGULATIONS OF THE
PROFESSIONAL ENGINEERS
ACT, 1970