

PR-CHAMBERLAIN 75(1) A
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TRENCHING AND STRIPPING--CHAMBERLAIN PROJECT

(COAL LIC. #3554-3559, 3014, 3017, 3020)

SUKUNKA RIVER AREA (93 P 4E)

by

55° 10' 121° 30'

R. S. Verzosa, P.Eng.

for

TECK CORPORATION LIMITED

and

BRAMEDA RESOURCES LIMITED

MINING RECORDER
RECEIVED and RECORDED

DEC 16 1975

M.R. #.....
VICTORIA, B. C.

December, 1975

Vancouver, B. C.

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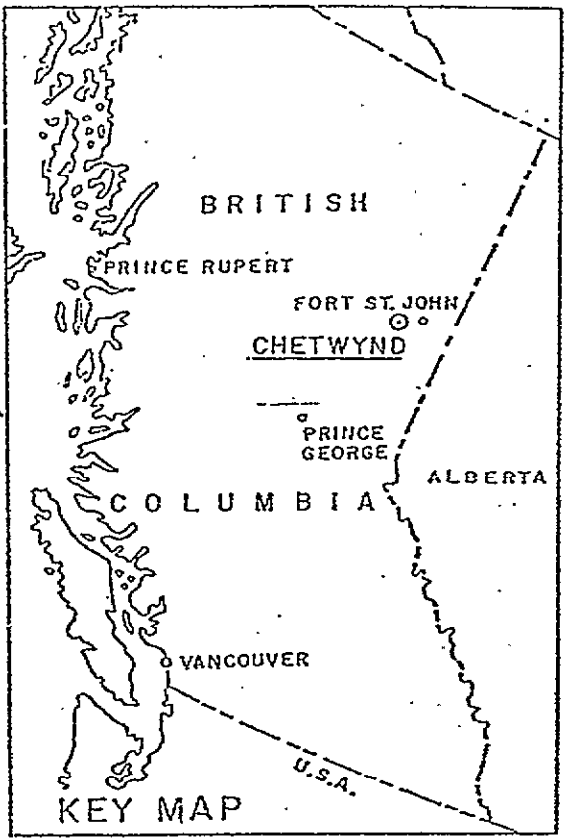
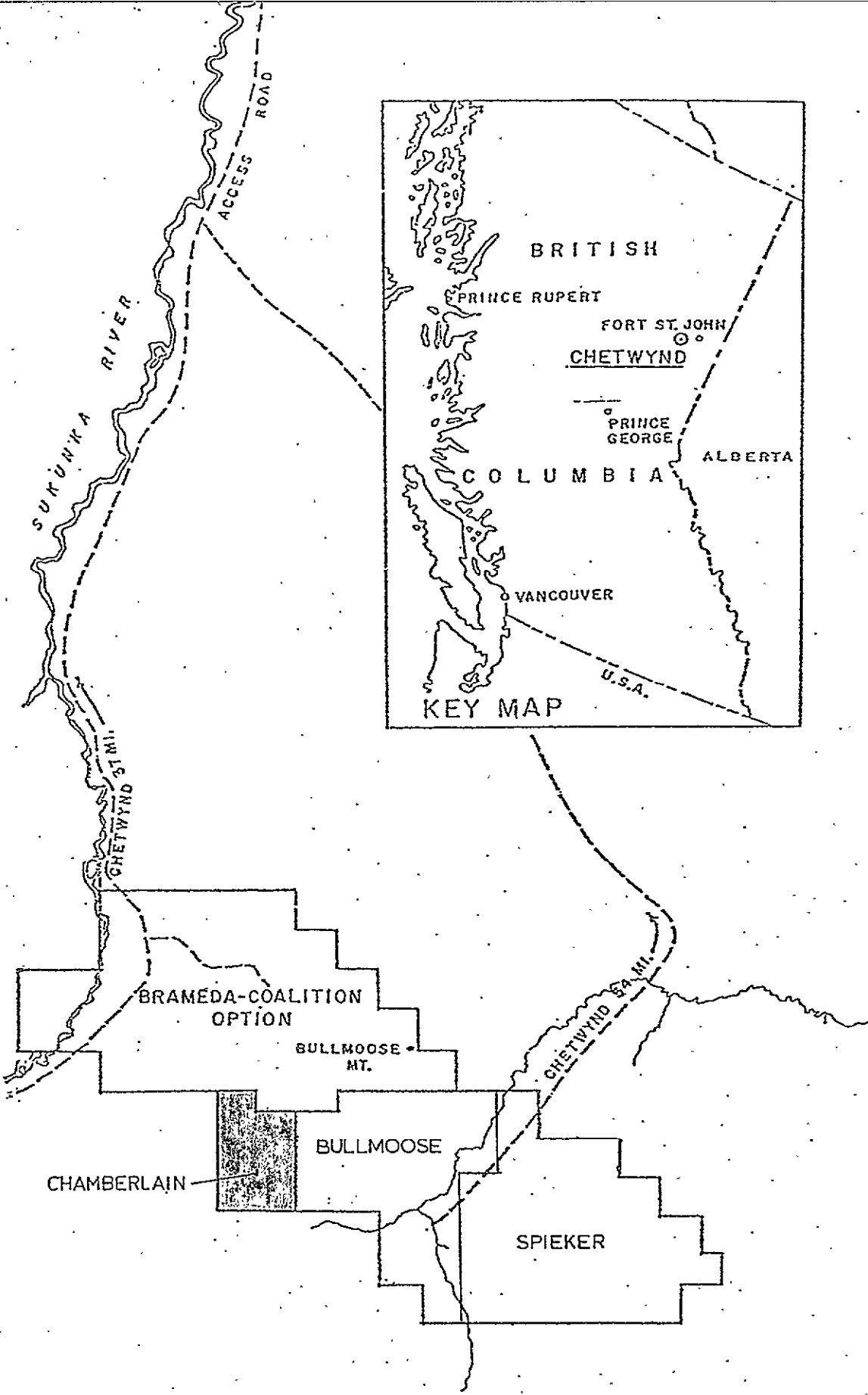
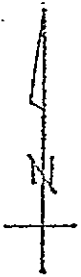
INTRODUCTION

A trenching and stripping program was carried out by Teck Corporation Limited on the jointly-owned (Teck 50%--Brameda 50%) Chamberlain coal property at Mt. Chamberlain in the Sukunka River area (Figure 1). The object of the program was to uncover by bulldozer coal seams in the Gates Member and in the Gething Formation for the purpose of geological mapping and sampling. The work was carried out in alpine country with elevations ranging up to 6,000 feet.

Including the construction of an access road from the adjoining Bullmoose property, the program required an aggregate total of 23 days during the months of August and early September, 1975.

STRIPPING AND TRENCHING

A D-6 bulldozer was employed most of the time although some difficult sections in the road construction required the use of a D-8. A total of 218 hours of bulldozer time was spent on the program.



TECK CORPORATION LTD.
BULLMOOSE PROJECT
PROPERTY LOCATION MAP

Figure 2 shows the location of trenches, strippings and access roads. A total of ten short trenches each averaging 70 feet long, 12 feet wide and 4 feet deep were completed. Only approximately 1400 feet of stripping was done, most of which was coincident with the access roads. Overburden in the area generally averages three feet thick. Permafrost is a problem that was frequently encountered within four feet of the surface.

GENERAL GEOLOGY

The Chamberlain property is the site of a northwesterly tight anticline, on each flank of which are exposed sequences of the Gething, Moosebar and Commotion Formations (Figure 3). The trenching was primarily done on both the Bird and Chamberlain seams of the Gething. Where fully exposed the Chamberlain seam on the property ranges in thickness from a minimum of 6 feet to a maximum of 10 feet (Figure 4). The Skeeter seam where recognized, occurs from 2.5 feet to 8 feet above the Chamberlain and like most occurrences in the Bullmoose Mountain area contains as much as 50 per cent shaley material. The Chamberlain seam in the Chamberlain property is generally separated from the well-recognized sandstone floor by as much as 7 feet of very carbonaceous shale and mudstone. On trench No. 8 a poorly exposed 10-foot seam occurs approximately 36 feet above the Chamberlain seam. Similar seams occur on trenches 2 and 4.

Two nine-foot coal seams of the Gates Member were exposed along the access road into the property (localities 13 and 14). The seams appear to be of good quality. Only one sample was collected for analysis, the result of which is appended with this report.

Respectfully submitted;



R. S. Verzosa, P. Eng.

GEOPHYSICAL ENGINEERING LIMITED

Vancouver, B. C.
December, 1975

COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 228 NORTH LA SALLE STREET, CHICAGO, ILLINOIS 60601 • AREA CODE 312 726-8434

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147 Riverside Dr., North Vancouver, B.C. V7H 1T6Office: Tel. (604) 929-2228
Roberts Bank Tel. (604) 946-7021

November 3, 1975

TECH CORPORATION LIMITED,
1199 W. Hastings St.,
Vancouver, B.C.

Sample Identification:

Report No. 64-11454

Coal Sample No. 7

LOCALITY 12

RAW COAL ANALYSIS

	<u>DRY BASIS</u>
% Ash	15.84
% Volatile	26.50
% Fixed Carbon	<u>57.66</u>
	100.00
Btu	10672
% Sulfur	0.54
Free Swelling Index:	0

Respectfully Submitted,

COMMERCIAL TESTING & ENGINEERING CO.

R.A. Houser,
District Manager

RAH/se



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COAL ACT

(Section 19 & B.C. Reg. #436/75)

Exploration & Development Work Report Cover Sheet

Property name: Chamberlain Project Coal Map No. 93-P-4

Location: Sukunka River Area Land District Peace River

Coal Licence No.(s) 3554-3559, 3014, 3017, 3020

Licensee: Brameda Resources Ltd. and Teck Corporation Ltd.

Operator: Teck Corporation Limited

Title of Report: Trenching and Stripping - Chamberlain Project by R. S. Verzosa, P.Eng. for Teck Corporation Ltd. and Brameda Resources Ltd. December 1975

Period covered by Report: August and September 1975

Category of work covered in report

Geological Mapping _____

Surveys: Geophysical _____

Geochemical _____

Other Topographic \$1,970.97

Road Construction \$6,093.00

Surface work \$10,291.70

Underground work _____

Drilling _____

Logging \$29.50

Sampling _____

Testing _____

Reclamation _____

Other work _____

Total costs of work reported \$ 18,385.17

Comments:

Value of work approved \$ 18,385.17

Signature: A.R.C. James
Senior Inspector of Mines

Date Jan 12/76

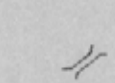
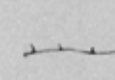
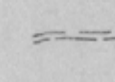
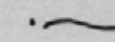
Accepted: [Signature]
Chief Gold Geologist
Mineral Resources Branch

Date Jan 14/76

4825.H.0-58



LEGEND

-  TRENCH
-  STRIPPING
-  ACCESS ROADS
-  COAL SEAMS

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TECK CORPORATION LIMITED
VANCOUVER, B.C.

SUKUNKA RIVER AREA, B.C.
CHAMBERLAIN PROPERTY
LIARD M.D., B.C. *R.S. Vejan*

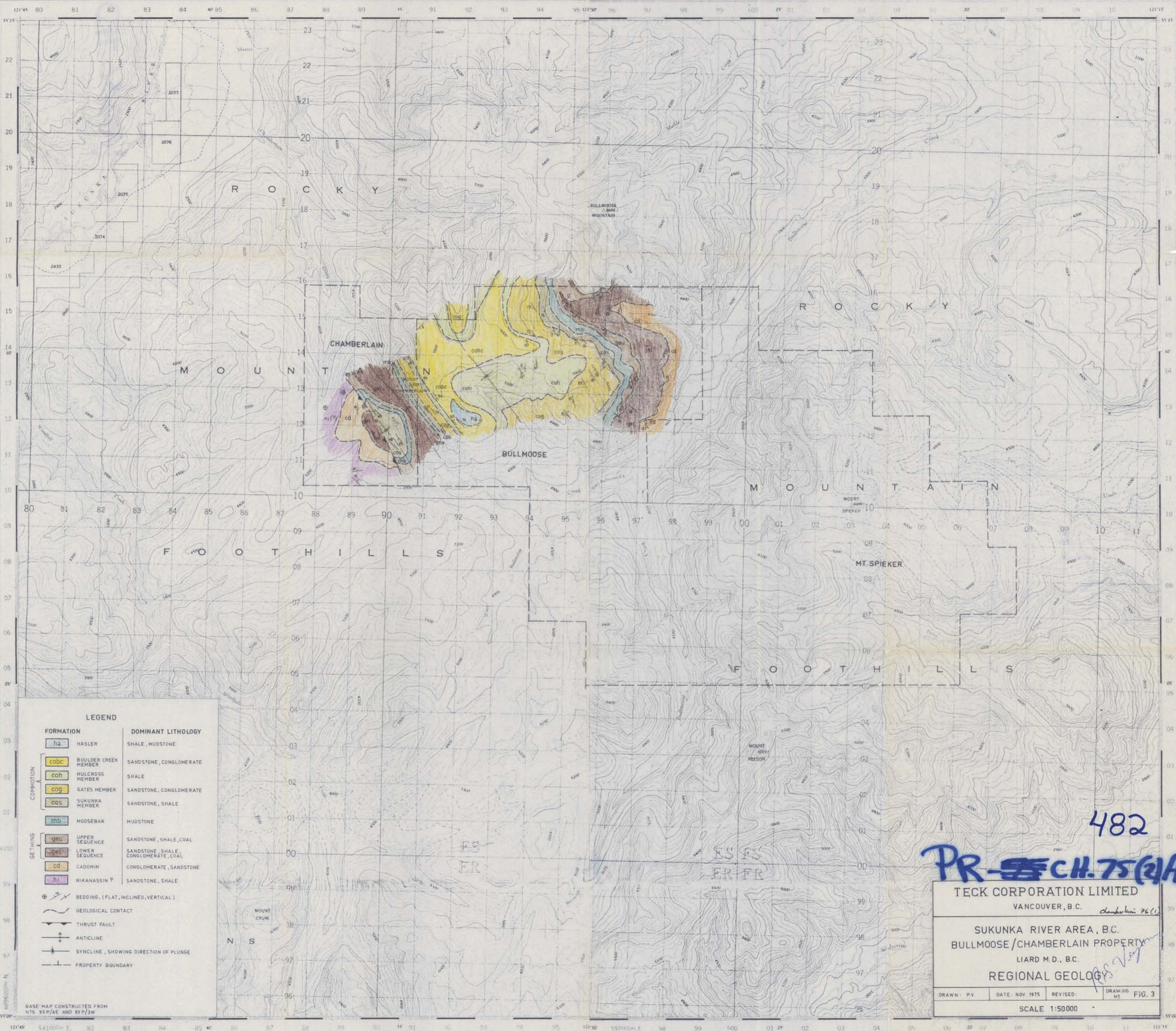
TRENCH LOCATION MAP

DRAWN BY	DATE NOV 1975	REVISED	DRAWING NO. FIG. 2
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SCALE 1"=400'

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LEGEND

FORMATION	DOMINANT LITHOLOGY
ha	HASLER SHALE, MUDSTONE
cobc	BOULDER CREEK MEMBER SANDSTONE, CONGLOMERATE
coh	HULCROSS MEMBER SHALE
cog	GATES MEMBER SANDSTONE, CONGLOMERATE
cos	SUKUNKA MEMBER SANDSTONE, SHALE
mb	MOOSEBAR MUDSTONE
geu	UPPER SEQUENCE SANDSTONE, SHALE, COAL
gel	LOWER SEQUENCE SANDSTONE, SHALE, CONGLOMERATE, COAL
cd	CADOMIN CONGLOMERATE, SANDSTONE
hi	NIKANASSIN ? SANDSTONE, SHALE

	BEDDING, (FLAT, INCLINED, VERTICAL)
	GEOLOGICAL CONTACT
	THRUST FAULT
	ANTICLINE
	SYNCLINE, SHOWING DIRECTION OF PLUNGE
	PROPERTY BOUNDARY

BASE MAP CONSTRUCTED FROM
NTS 93P/4E AND 93P/3W

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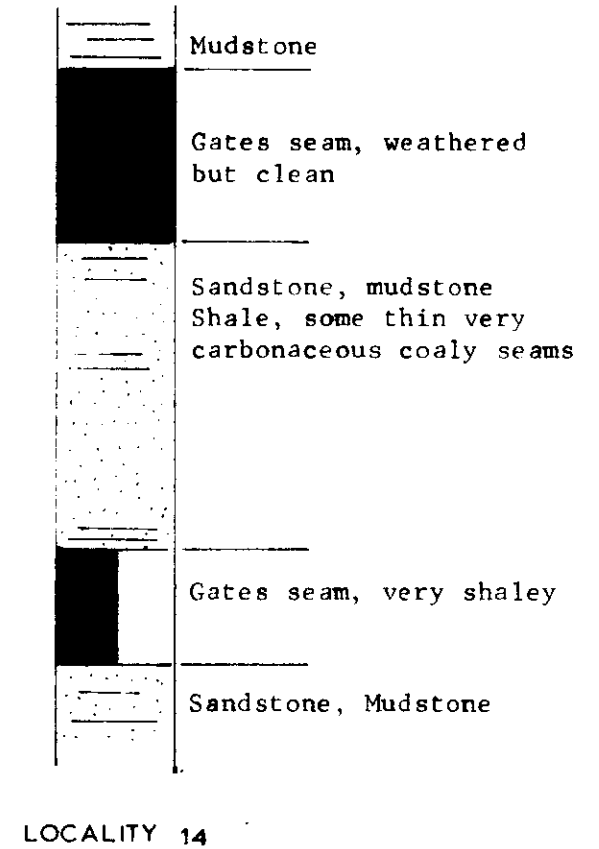
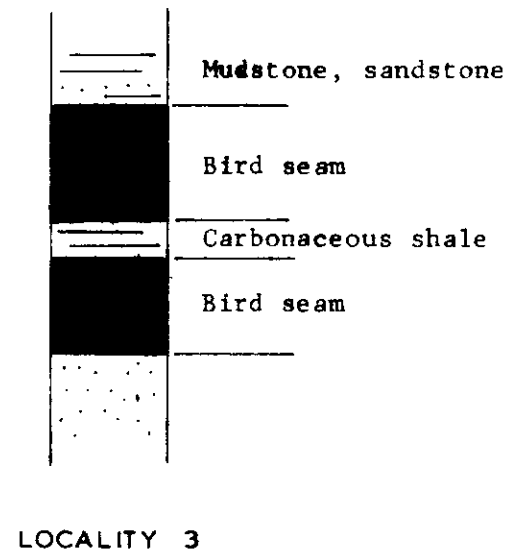
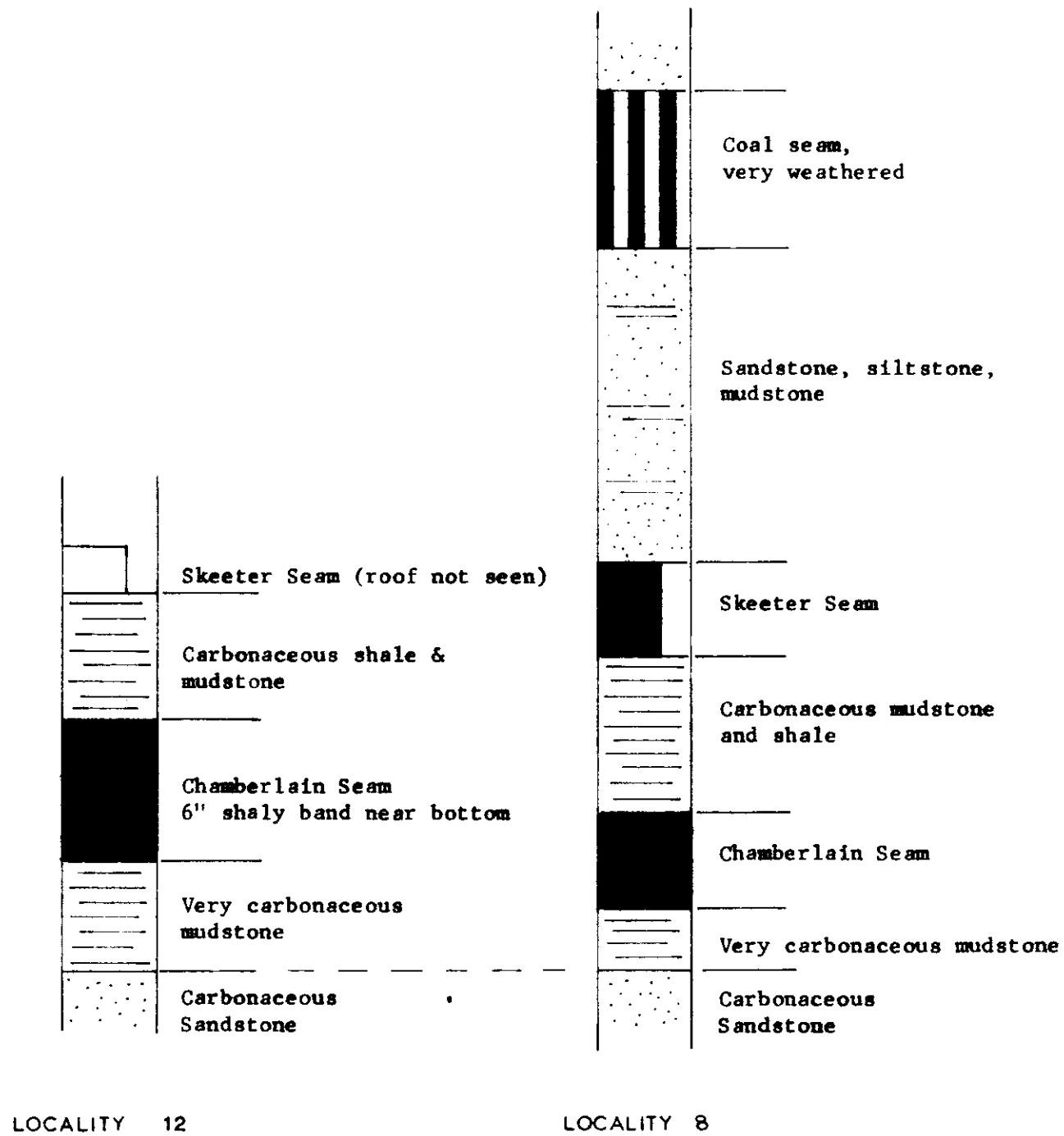
TECK CORPORATION LIMITED
VANCOUVER, B.C. *Chamberlain 75(1)*

SUKUNKA RIVER AREA, B.C.
BULLMOOSE/CHAMBERLAIN PROPERTY
LIARD M.D., B.C.

REGIONAL GEOLOGY

DRAWN: P.V. DATE: NOV. 1975 REVISED: DRAWING NO. FIG. 3

SCALE 1:50000



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FIG. 4 DETAIL OF COAL SEAMS

VERTICAL SCALE 1" = 10 Feet

R.S. Vaughan