

OX - QUINSDON 1913 (2) A.

2 Maps - 1 CROSS SECTION
LETTER

- 1913 -

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QUINSAM COAL FIELD

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Roof - Shaley Sandstone

COAL (clean)		2' - 7"
Soft mining		2"
COAL (clean)		1' - 4"
Shale		4' - 0"
COAL (clean)		1' - 6"

(A)

Floor - Shale

CROSS SECTION - QUINSAM RIVER OUTCROP

Roof - Shaley Sandstone

Soft mining		6"
COAL (boney)		6"
COAL (clean and hard)		2' - 0"
Shaley Sandstone		3' - 0"
COAL (somewhat boney with thin partings of shale)		11' - 0"

(B)

Floor - Black Shale with streaks of Coal

CROSS SECTION - IRON RIVER OUTCROP

COPY

GOVERNMENT LABORATORY

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Victoria, B. C. August 15th 1912

Analyses of samples of coal

for Canadian Collieries, Ltd.

Victoria, B. C.

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	Samples Marked	
	<u>Iron River</u> (B)	<u>Quinsam River</u> (A)
Moisture	5.5 %	4.1 %
Volatile combustible matter	30.0	35.1
Fixed Carbon	54.0	54.1
Ash	$\frac{10.5}{100.0}$	$\frac{6.7}{100.0}$
Coking Qualities	non	non

Signed.

Herbert Carmichael

Government Analyst

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WJS/A

December 31st 1913

H. S. Fleming, Esq.
1, Broadway
New York

Dear Sir,

Re. Quinsam Coal Field

I am mailing you to-day a couple of blue prints of a plan of the Quinsam Coal Field South of the 50th Parallel of Latitude, which is the northern boundary of our coal area.

There are two important outcrops of coal in this field, which are designated on the plan as A and B. I enclose copies of the cross section of these exposures taken by myself last year.

I also enclose herewith copies of analyses of samples of coal from the respective outcrops, which were made by the Government Assayer.

I may state that I consider this a valuable coal-field, although not large in extent. The formation is nearly all sandstone with a comparatively light cover, probably running from 200 feet to 400 feet of sandstone over the coal horizon.

The area is very slightly disturbed, the prevailing dip being about ten degrees to Magnetic North.

From the limited nature of the outcrops I could not very

satisfactorily determine, whether the two coal outcrops represent separate seams or not.

The Iron River outcrop (B) is close to the base of the coal measures, being only about thirty feet from the underlying older rocks.

The outcrop on Quinsam River (A) may possibly represent an upper seam as it occurs in a somewhat higher horizon in the coal formation, but the base of the measures could not be definitely determined.

The analyses shows a strong similarity in the nature of the coal from the two outcrops.

It would not be an expensive field to prospect as the country is now pretty well opened up by the new wagon road being constructed by the Provincial Government from the Coast to Buttles Lake in Strathcona Park.

This section of the country will be traversed by three railways. The Canadian Pacific and the Canadian Northern have projected roads already surveyed and a large logging Company is building a logging railway from the mouth of Campbell River towards Quinsam Lake.

I recommend that a foot trail from the wagon road should be out into the outcrops and a little work be done on the exposures to get beyond the weathered surface and thus obtain a clearer idea regarding the nature of the coal seams.






I remain,

Yours truly,

William J. Sutton

QUINSAM COAL FIELD

Roof. Shaley Sandstone















COAL (clean)		2' - 7"
Soft mining		2"
COAL (clean)		1' - 4"
Shale		4' - 0"
COAL (clean)		1' - 6"

(A)

Floor. Shale

CROSS SECTION - QUINSAM RIVER OUTCROP

Roof - Shaley Sandstone

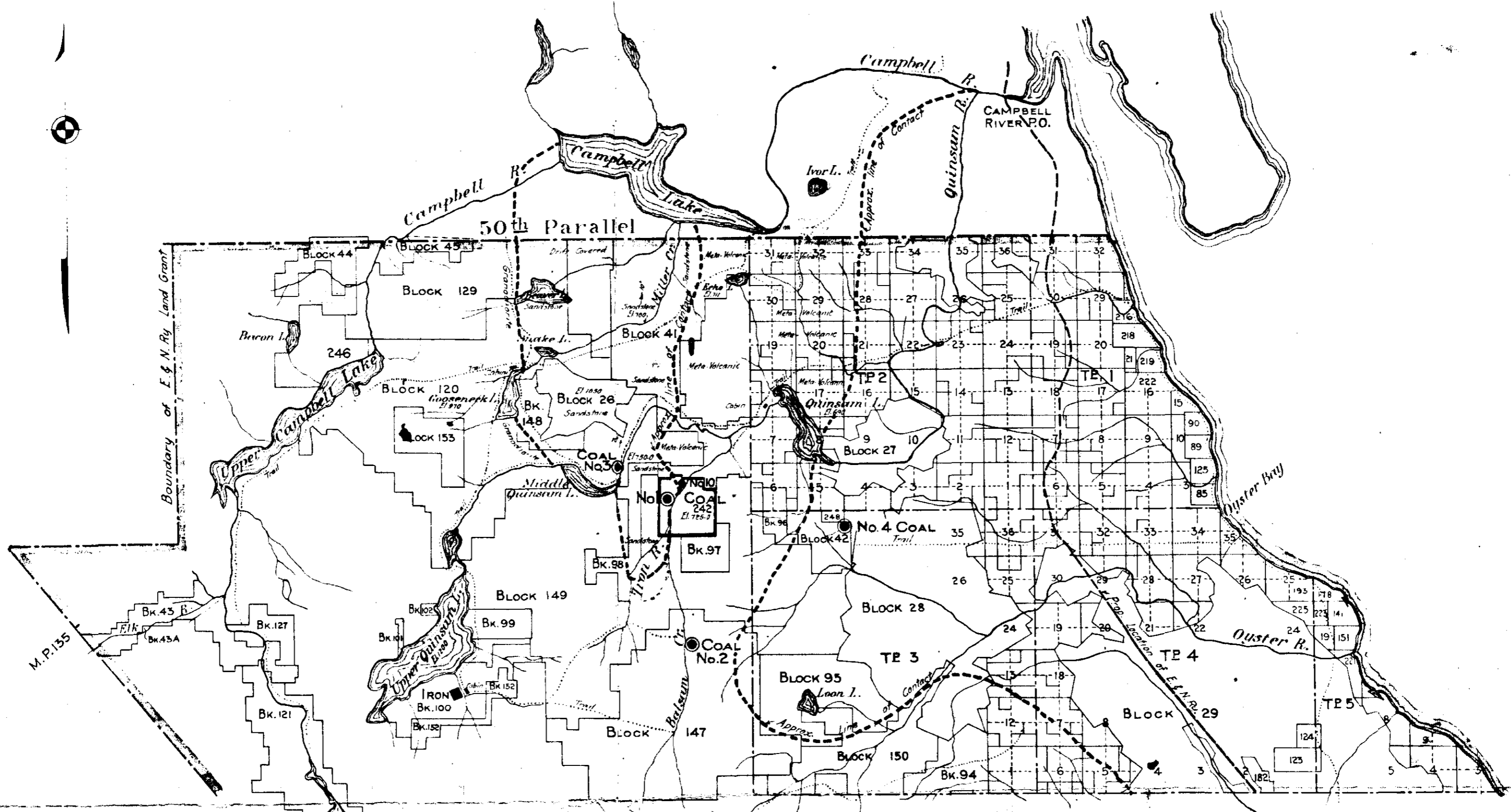
Soft mining		6"
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(B)

Floor. Black Shale with streaks of Coal

CROSS SECTION - IRON RIVER OUTCROP

— MAP OF —
QUINSAM DISTRICT
 SCALE: 1 INCH = 2 MILES



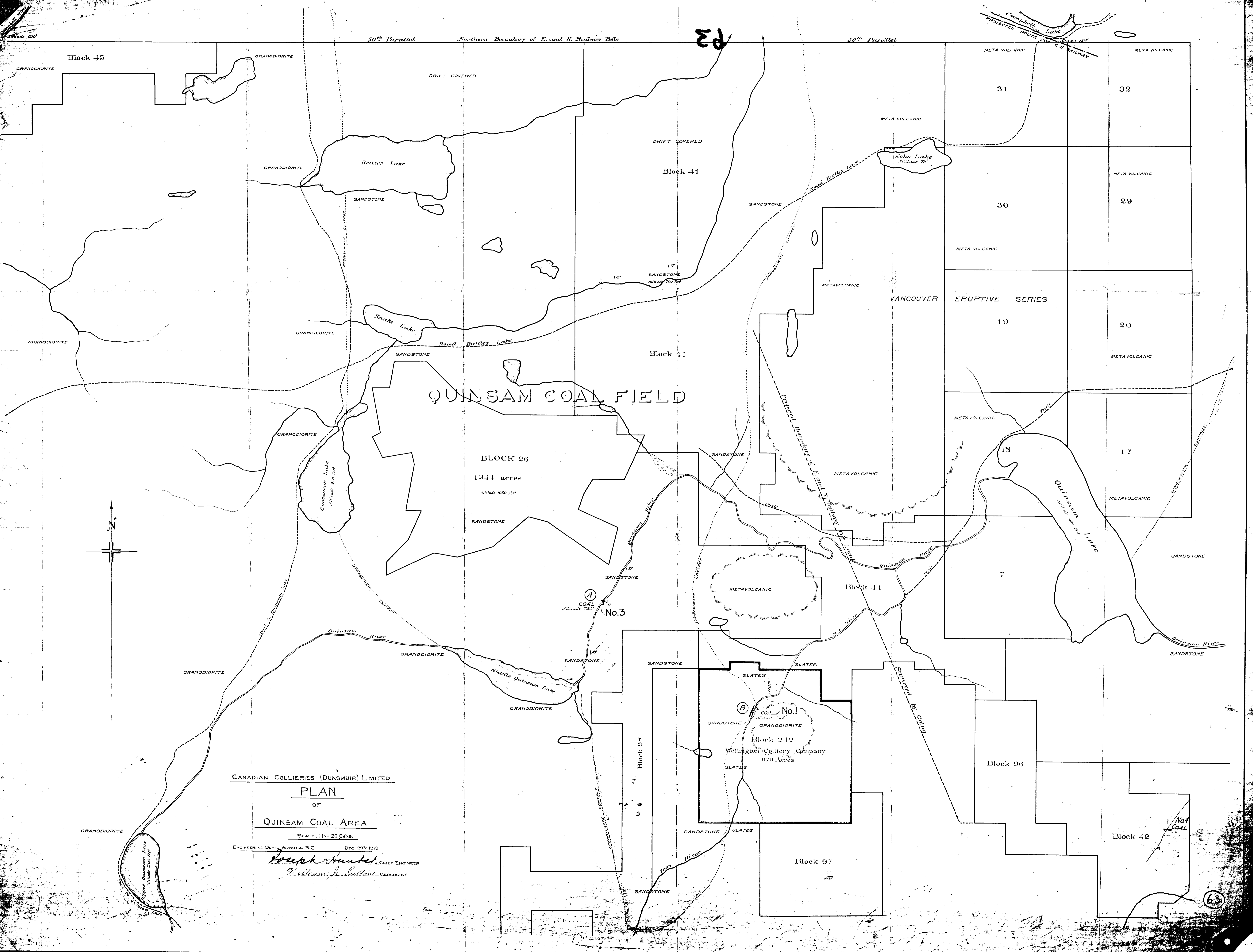
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Buttes Lake COMOX DISTRICT

Canadian Collieries (Dunsmuir) Ltd.
 Engineering Dept.
 Cumberland B.C.

A.C.L. 14878

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 DC2 #27V



CANADIAN COLLIERIES (DUNSMUIR) LIMITED

PLAN

OF

QUINSAM COAL AREA

SCALE: 1 in = 20 CHNS.

ENGINEERING DEPT. VICTORIA, B.C. DEC. 28th 1913

Joseph Huntley CHIEF ENGINEER

William J. Sutton GEOLOGIST

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