

# MAR 19560001: SOUTHWESTERN ALBERTA

Received date: Dec 31, 1956

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ECONOMIC MINERALS

FILE REPORT No.

FE-AF-005(01)

November 19th, 1956.

ORE RESERVES OF WEST CANADIAN MAGNETIC ORES.

Drilling for Iron Ore is now confined to the Milvain area. There will be no further drilling done either at Iron Flats or the Karasek Area this year. With the exception of a slight number of assays pertaining to the Karasek Area, complete assay information has been received. It is therefore possible to arrive at final estimates of ore outlined in these two areas during the exploration program carried out in 1956. This has been done and the results are tabulated below.

Karasek

Ore over 40% Fe .....	2,570,000 tons
Ore between 30 and 40% Fe.....	2,080,000 tons
Ore less than 30% Fe .....	3,050,000 tons

The average grade of the ore over 40% is 46.28% and that of the 30 to 40% is 35%. Therefore a reserve of 4,650,000 tons of ore averaging 40% iron has been defined.

Iron Flats

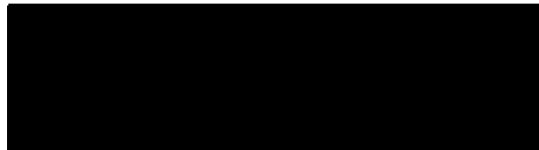
Ore over 40% .....	5,100,000 tons
Ore between 30 and 40% Fe .....	4,100,000 tons
Ore less than 30% Fe .....	6,200,000 tons

The average grade of the ore over 40% is 45.0%.

Milvain's

Drilling is progressing as rapidly as possible in this area with the purpose of determining the westerly extension of the ore horizon. As soon as the results of the drilling are known, similar estimates will be made of the area.

Respectfully,



R. A. Diamond,  
Engineer.

Midseason Report. July 25, 1956

by Robt Steiner.

Iron Flats (after drilling) -

immediately available - 5 - 14 m. tons.

potential - upwards of 25 m. tons.

\* "sideritic ss" underlying the ore which could be mined.

Burmes North (before drilling).

area between Bountry's and Marasik Tunnel  
may contain 78 million tons grading

42 to 47% iron. "A conservative estimate"

Possible potential closer to 195 m. tons.

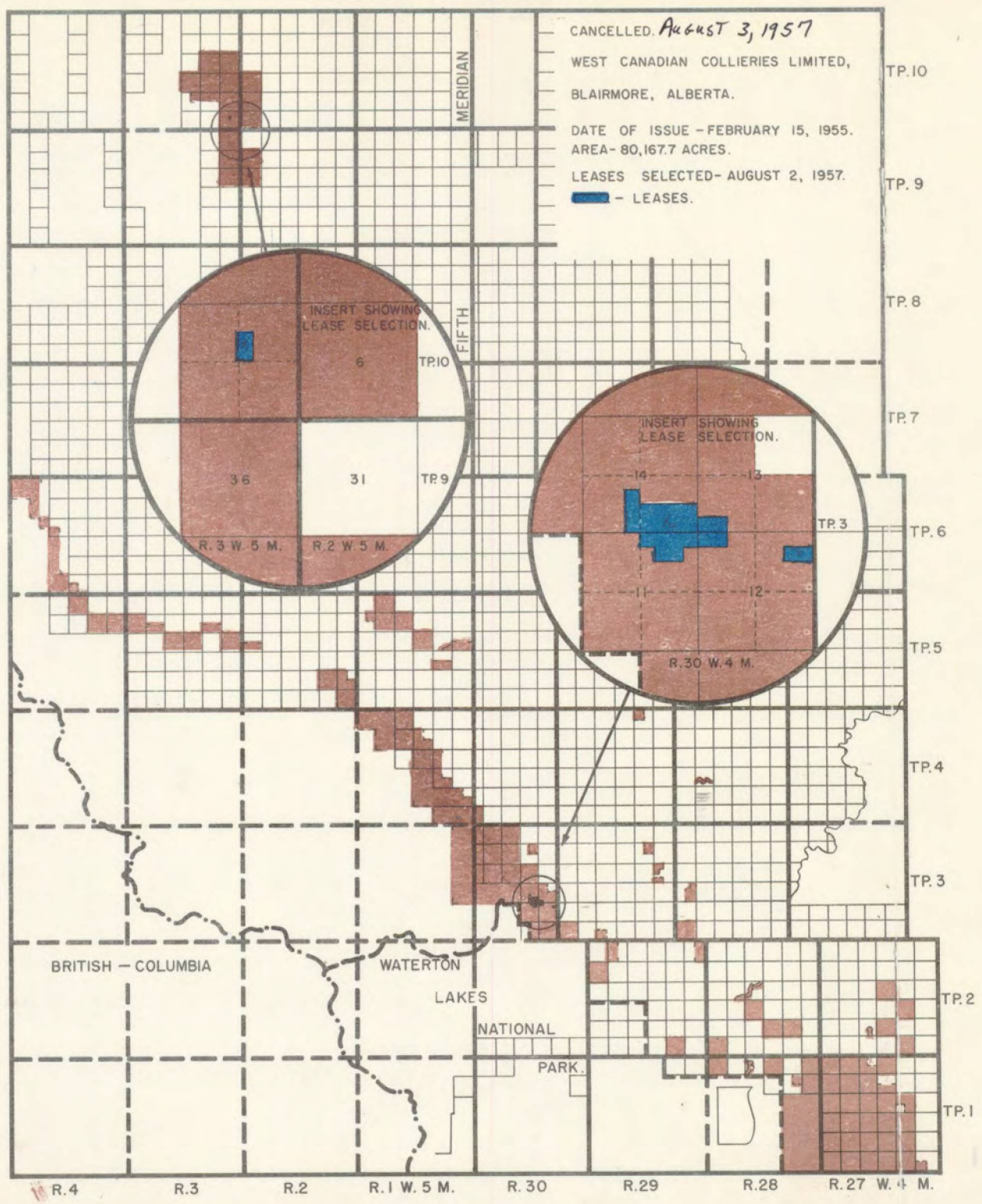
Todd Creek (before drilling)

around 38 million tons.

82 H/374+5

826/1+8+9+10+16

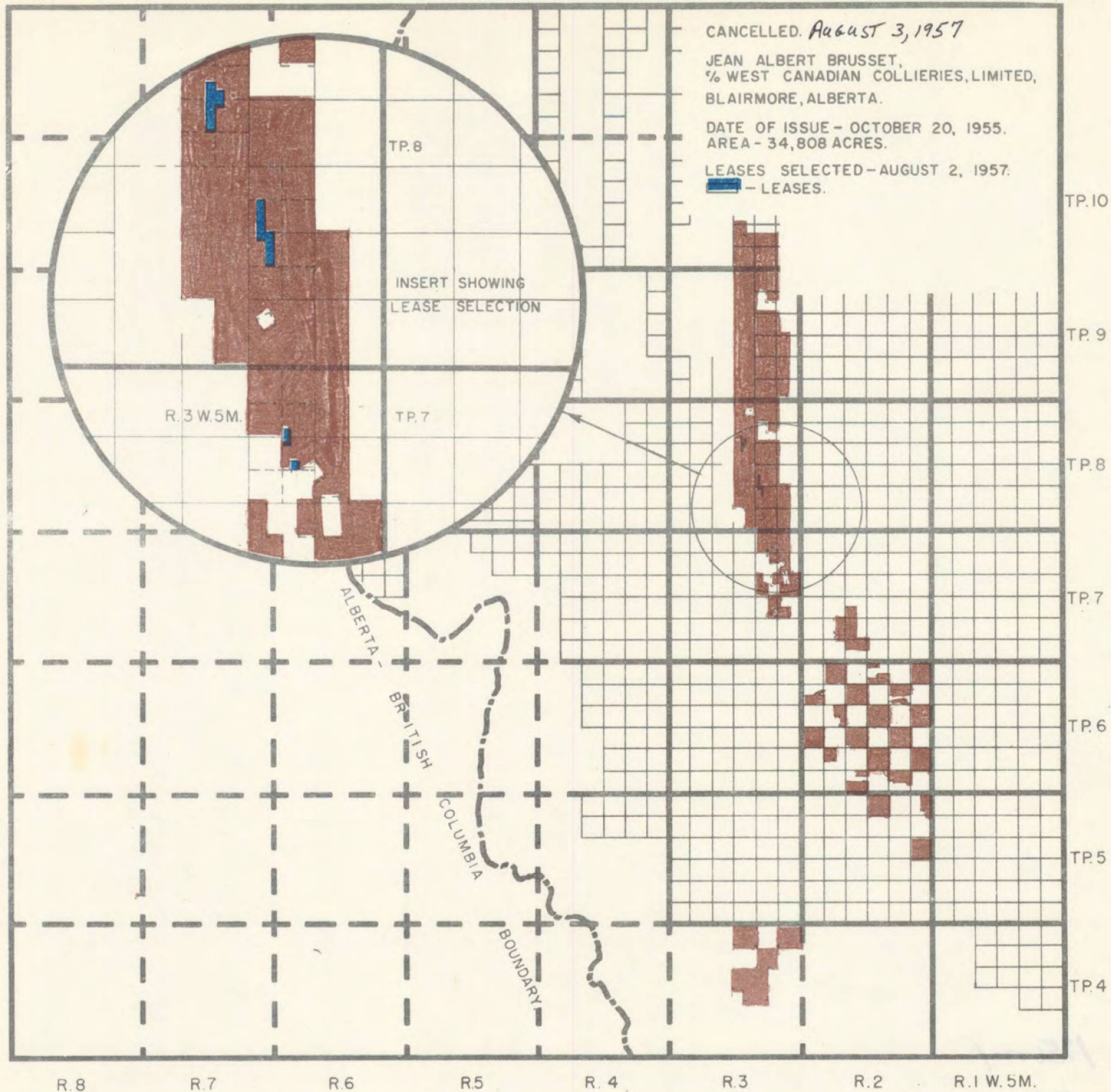
# IRON PROSPECTING PERMIT NO. 5



10003271

826/819+16

# IRON PROSPECTING PERMIT No. 7



CANCELLED. August 3, 1957

JEAN ALBERT BRUSSET,  
% WEST CANADIAN COLLIERIES, LIMITED,  
BLAIRMORE, ALBERTA.

DATE OF ISSUE - OCTOBER 20, 1955.  
AREA - 34,808 ACRES.

LEASES SELECTED - AUGUST 2, 1957.  
■ - LEASES.

TP.8

INSERT SHOWING  
LEASE SELECTION

R.3 W.5M.

TP.7

TP.10

TP.9

TP.8

TP.7

TP.6

TP.5

TP.4

R.8

R.7

R.6

R.5

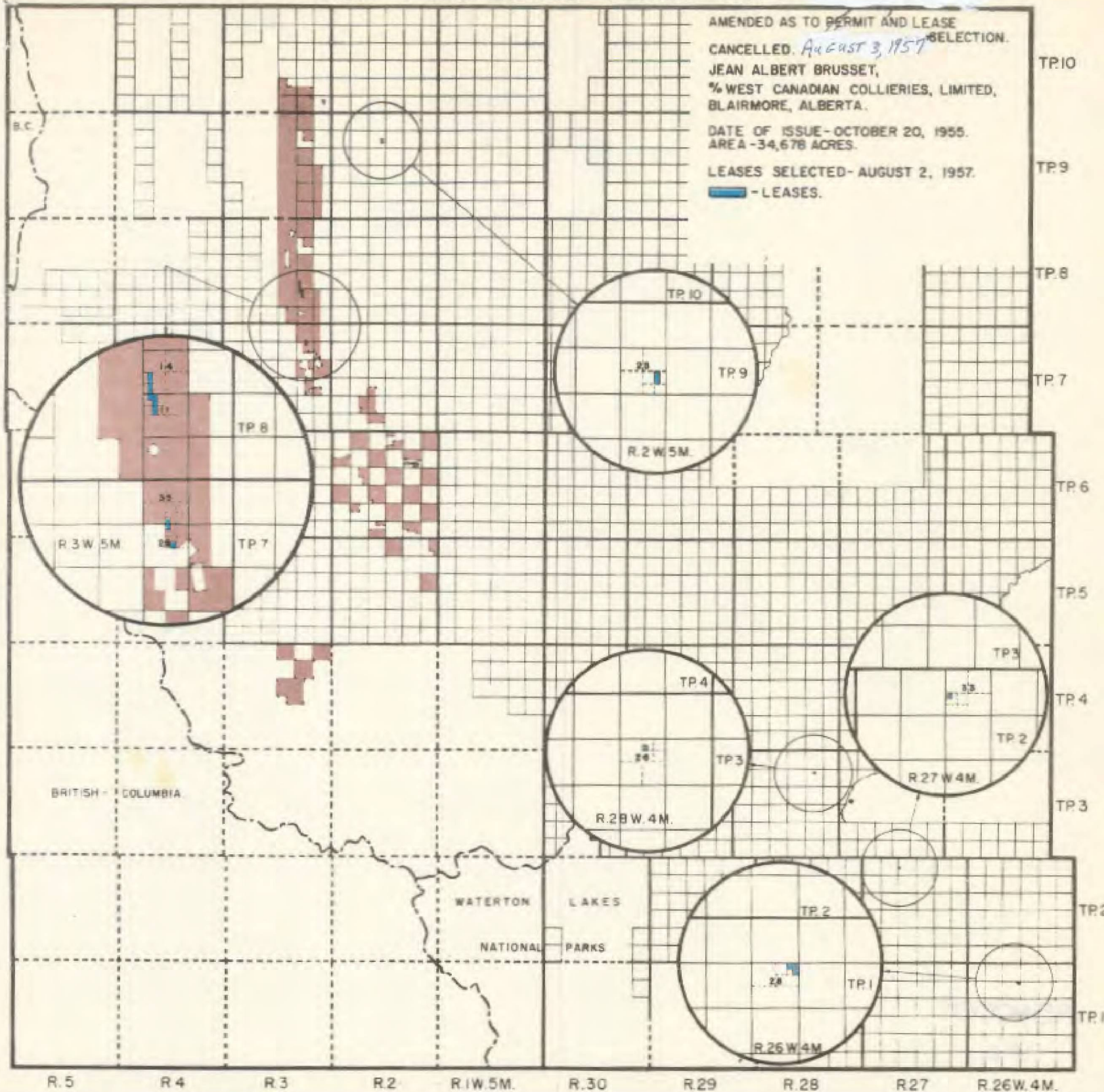
R.4

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R.2

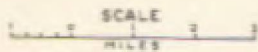
R.1 W.5M.

# IRON PROSPECTING PERMIT NO. 7



826/16

825/148



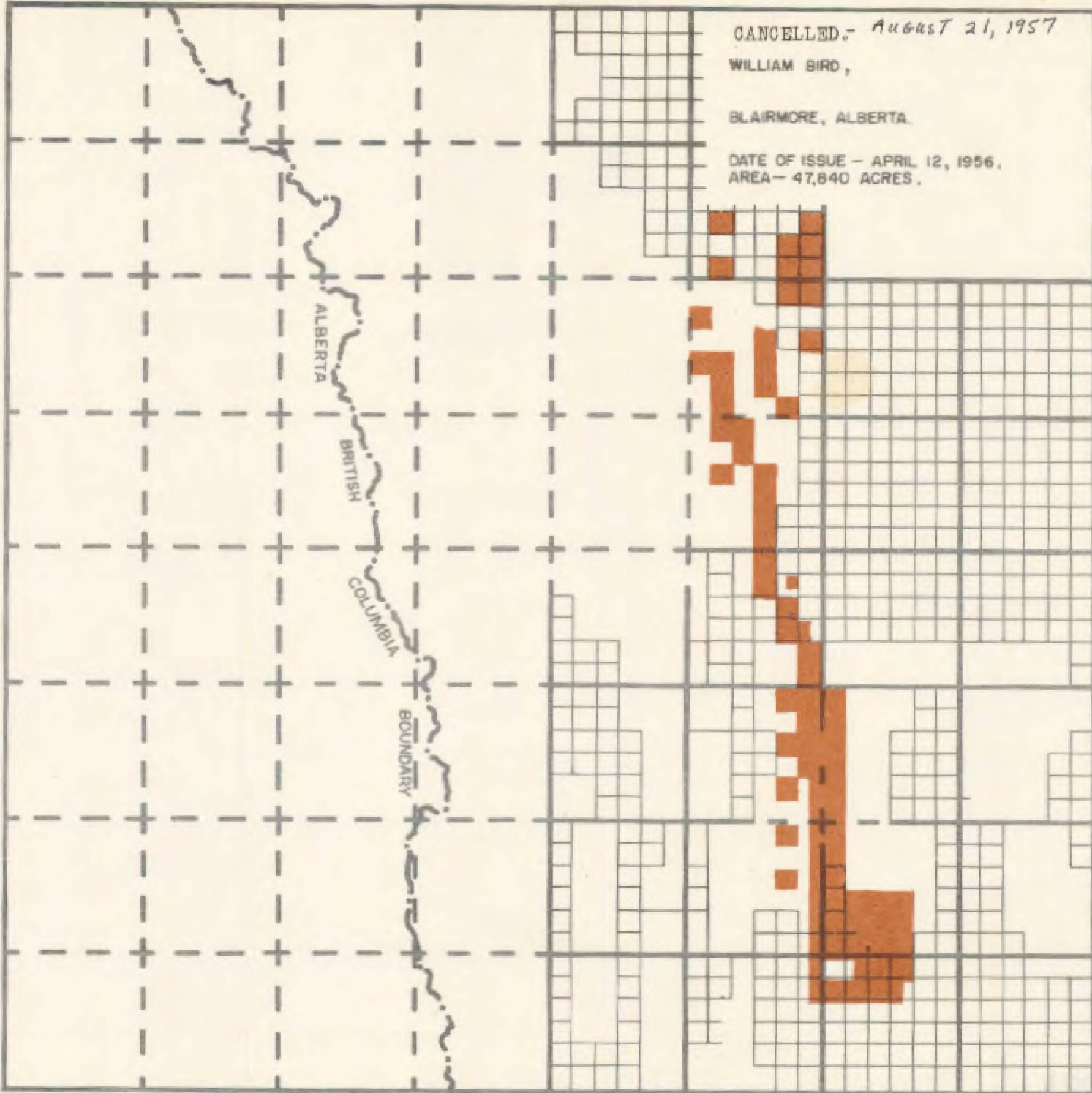
# IRON PROSPECTING PERMIT No. 8

CANCELLED - August 21, 1957

WILLIAM BIRD,

BLAIRMORE, ALBERTA.

DATE OF ISSUE - APRIL 12, 1956.  
AREA - 47,840 ACRES.



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TP. 11

TP. 10

R. 8

R. 7

R. 6

R. 5

R. 4

R. 3

R. 2

R. 1W. 5M.

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