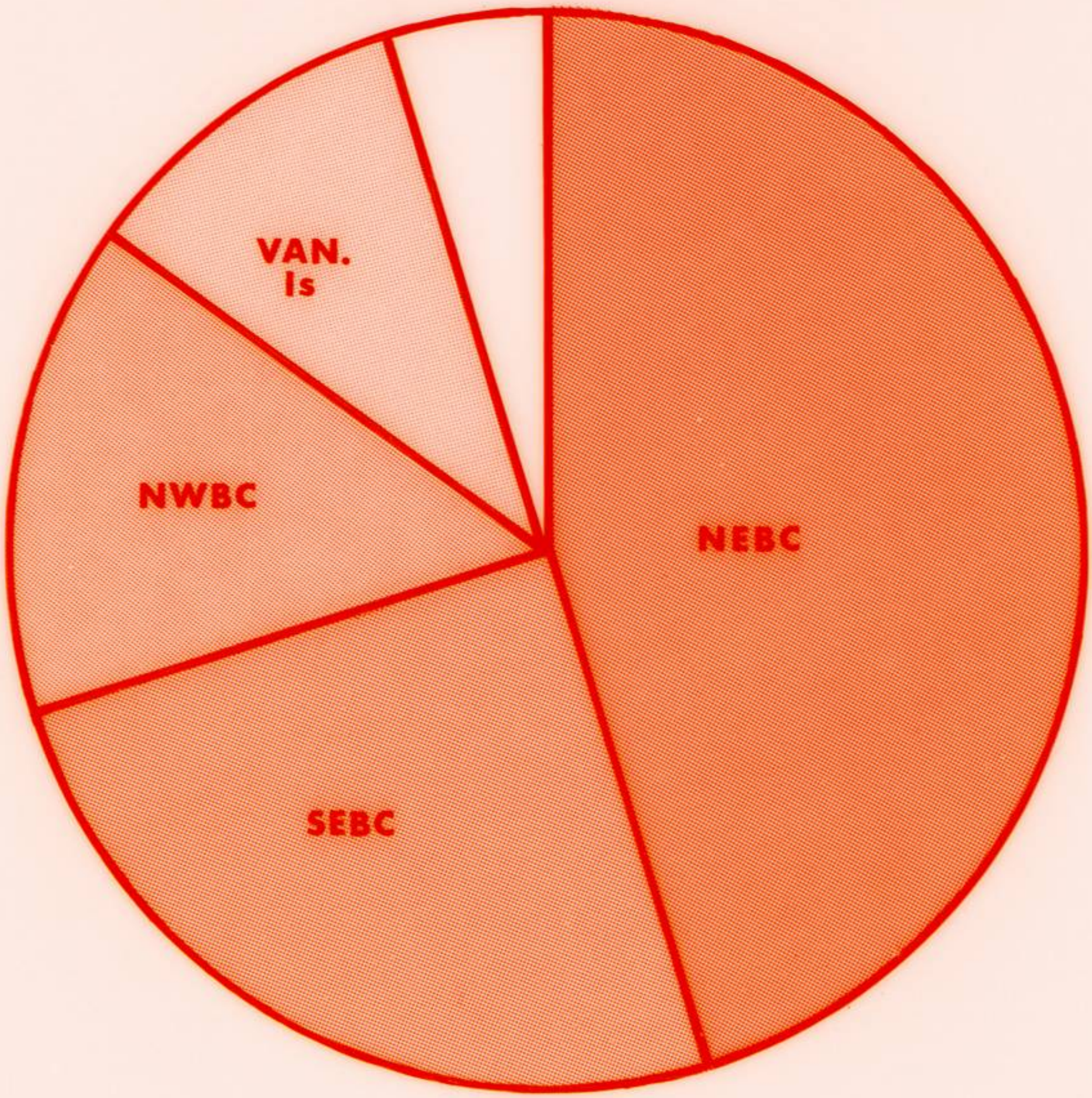
B.C. COAL LAND AREAS



644 376 ha

2 488 sq mi

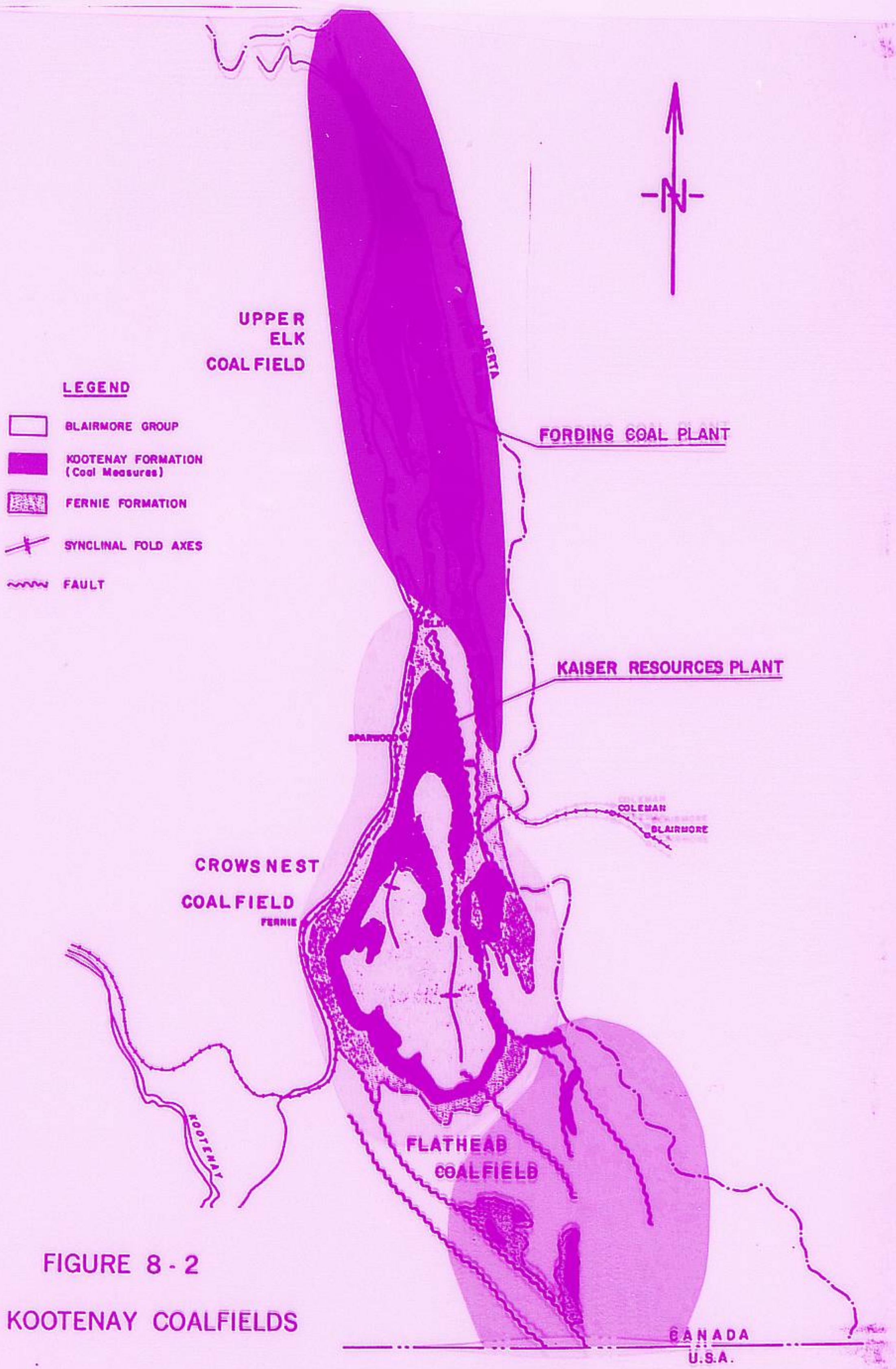
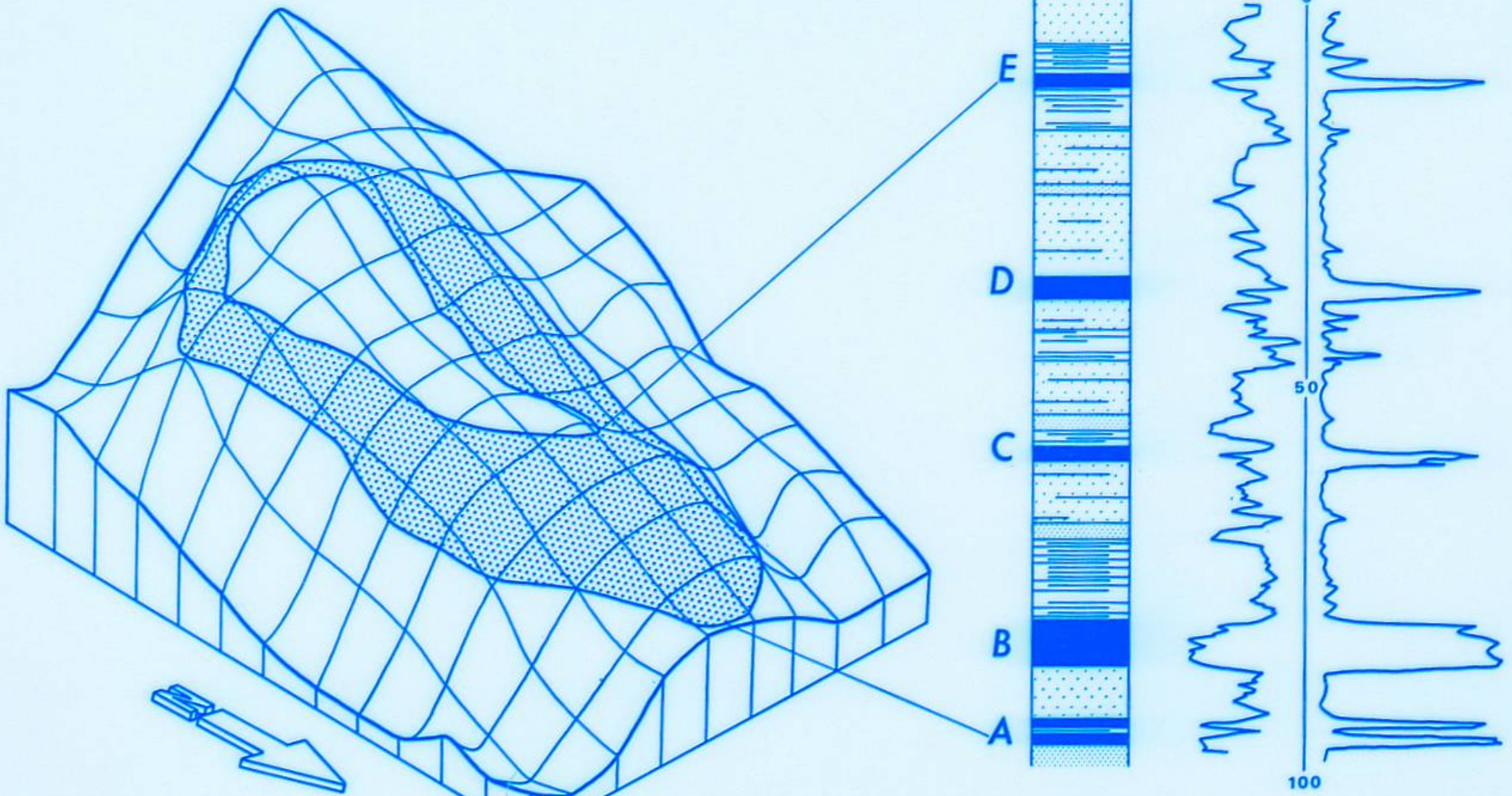


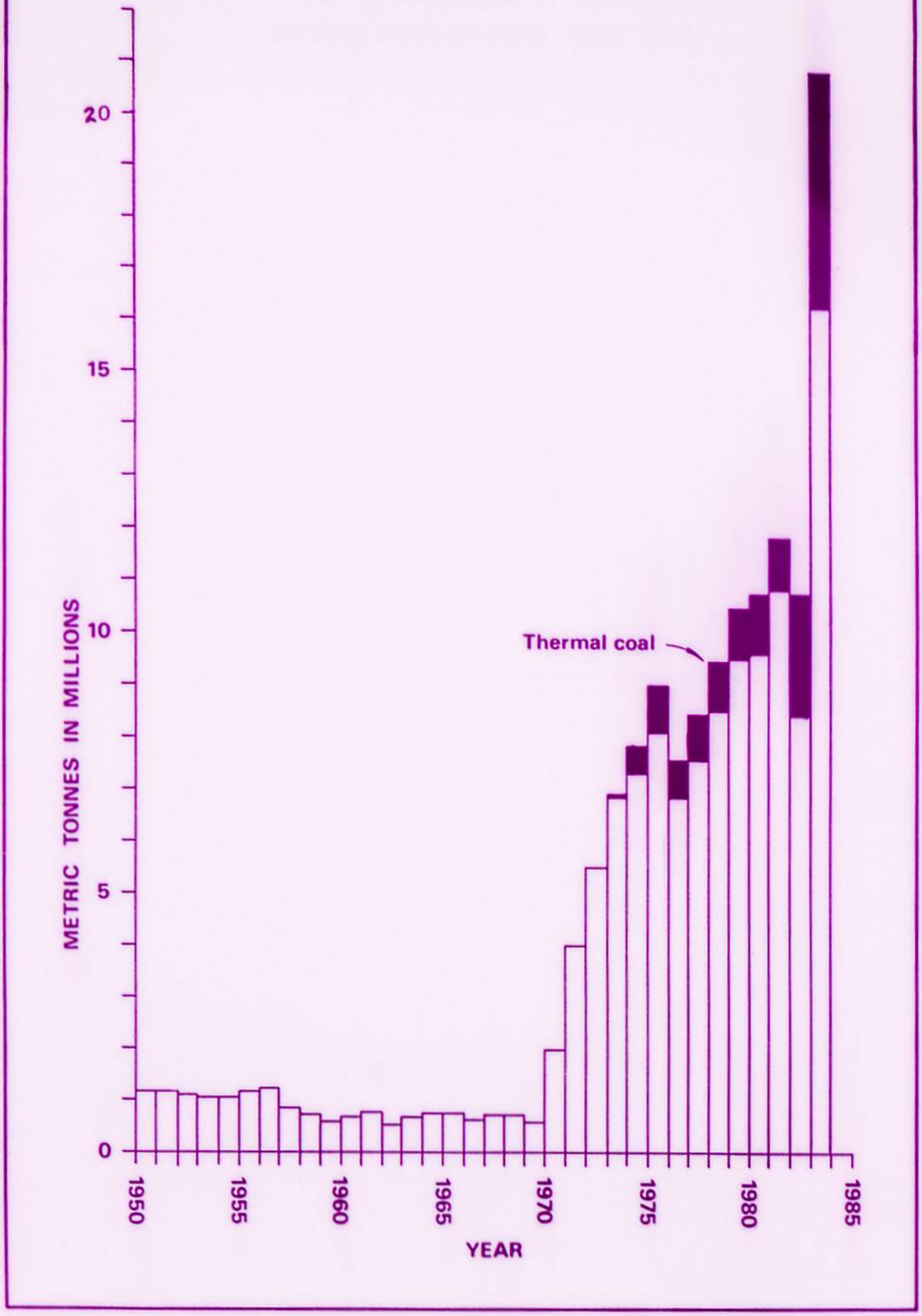
FIGURE 8 - 2

EAST KOOTENAY COALFIELDS



BULLMOOSE

PRODUCTION OF COAL 1950-1984



DESTINATION OF TOTAL BRITISH COLUMBIA COAL – *1984*

PROPOSED DESTINATION OF NORTHEAST COAL
2.25 MILLION TONNES TO JAPAN

PRINCE RUPERT

Met. coal	15,616,154 T	(81%)
Thermal coal	3,648,314 T	(19%)
Total coal	19,264,368 T	

BRITISH COLUMBIA .75%

CANADA (EXCL. B.C.) 5.25%

VANCOUVER

ASIA 84.5%

SOUTH AMERICA 4.5%

EUROPE 4.0%

NORTH AMERICA 1.0%

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UPPER JURASSIC

LOWER CRETACEOUS

MINNES GROUP (~ 2100 m)

Bullhead Group

CADOMIN 15-45m

GETHING FORMATION (120-200m)

FORT ST. JOHN GROUP

MOOSEBAR FORMATION (120-215m)

COMMOTION FORMATION

Gates Member (262-274 m)

Hulcross Member (75-105m)

Boulder Creek Member (122-140 m)

SHAFTESBURY FORMATION (82+m)

Interbedded gray shale and mudstone.

Sandstone, conglomerate and shale with carbonaceous materials.

Marine shale with sideritic concretions and mudstones.

Cyclic alternation of interbedded gray shale and coarse to fine grain sandstone, conglomerate and coal.

A,B,C

Babcock Member

Upper Gates Member

D,E,F

G/I,J,K

Middle Gates Member

Torrens Member

Marine shale with sideritic concretions; glauconitic sandstone at base.

Bird, Skeeter-Chamberlain

Middle Coal Zone

Basal Conglomerate.

Siltstones, shales, some sandstone and coaly shale.

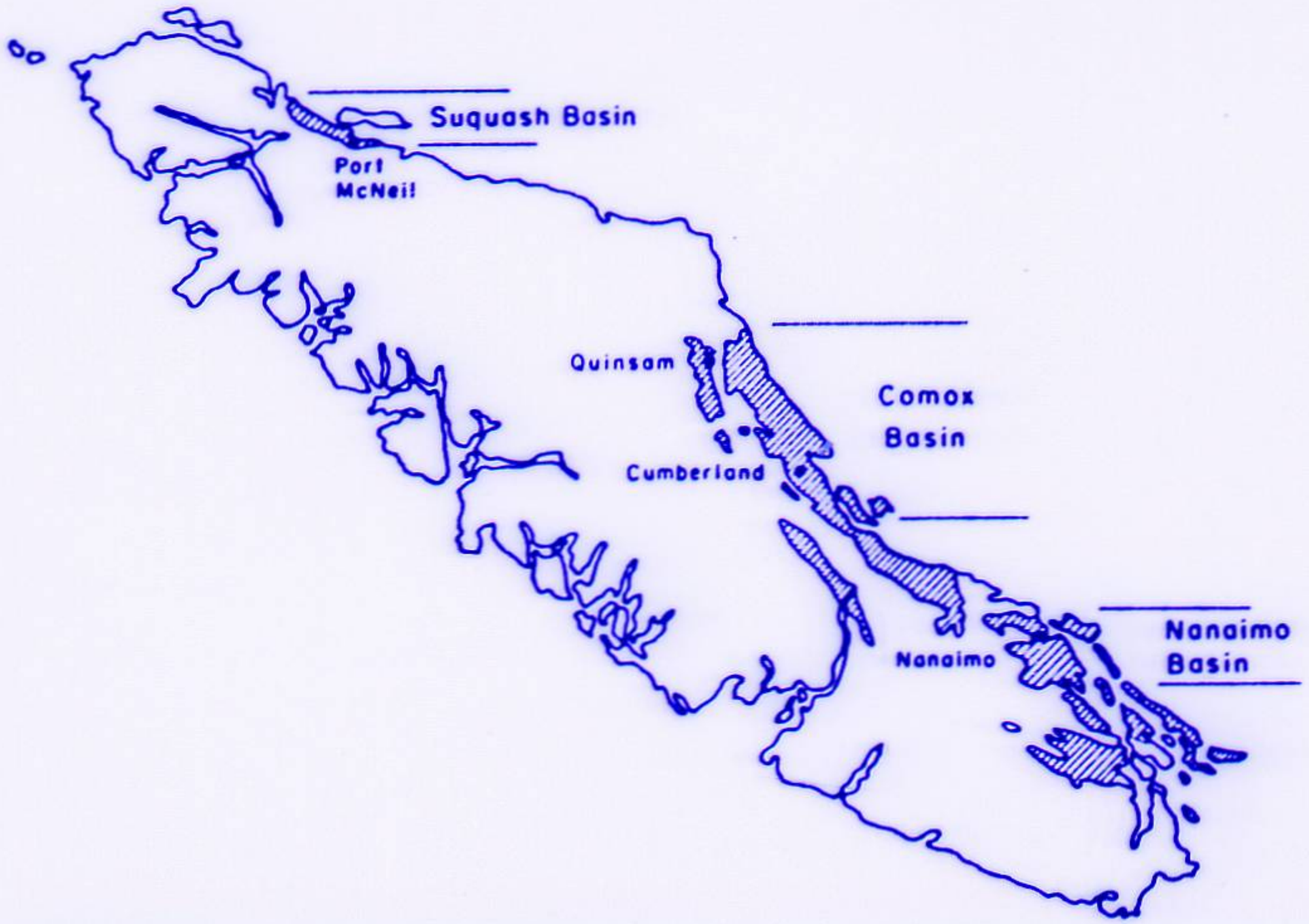

FIGURE 1. Extent of Nanaimo group sediments, approximate boundaries of coal basins and location of main centres, Vancouver Island.

115°30'
115°00'
114°30'
50°30'
50°00'
49°30'
49°00'
Schematic
A
B
C
D
E
F
G
H
I
J
K
Cad.
Elk
27
26
25
24
23
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
8A
7
6
4
4A
3
2
D
C
B
A
3
5
6
7
8
9
10
B
10
9
8
5U
5L
4
3
2
1
0
-1
7A
6
5
4
3
2
1
J. Lodgepole
300
200
100
0
metres
10
9
8
7
6
5
4
3
2
No.1 Mine
E. Imperial Ridge
H. Hosmer
G. Natal
Baldy Ridge
Elk
15
14
13
12
11
10
9
8
7
5
4
2
1
I. Coal Creek Mtn.
2
3
4U
4L
5
K. Sage Creek
B. Weary Ridge
C. Eagle Mtn.
29
16
15
14
10
9
8
7
5
3
2
1
?
D
C
B
A
1
2
3
4
5
6
7
8
9
10B
10A
A. Upper Elk Valley
D. South Greenhills
F. Line Creek Ridge
N
ALBERTA
BRITISH COLUMBIA

LEGEND

ELK FORMATION . ..... Elk

CADOMIN FORMATION..... Cad.

COAL SEAM >1m .....

(approx. to scale)

STRATIGRAPHIC CONTACT..

NORMAL FAULT CONTACT..

0 10 20 30

KILOMETRES

123°
122°
121°
120°
FORT ST. JOHN
56°
Williston Lake
Peace River
Peace River
Moberly River
Kiskatinaw River
CHETWYND
Pine
DAWSON CREEK
BULLMOOSE
TUMBLER RIDGE
55°
QUINTETTE
Parsnip River
McGregor River
Fraser R.
54°

PEACE RIVER COAL PROPERTIES, OIL AND GAS FIELDS

- Freehold coal rights
- Coal licence issued
- Coal licence application
- Gas field
- Oil field

Kilometres
0 10 20 30 40 50

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GENERAL RANK CLASSES

COAL–BEARING FORMATION

1 ANTHRACTIE

2 LOW AND MEDIUM VOLATILE BITUMINOUS

3 HIGH VOLATILE BITUMINOUS

4 SUBBITUMINOUS/LIGNITE

0 200 400

SCALE–KILOMETRES

GROUNDHOG COAL DEPOSITS 1

FORT ST. JOHN

PEACE RIVER COALFIELD 2

PRINCE RUPERT

TELKWA COALFIELD 3

PRINCE GEORGE

BOWRON RIVER COAL DEPOSITS 3

GRAHAM ISLAND COAL DEPOSITS 4 2

SUQUASH COAL DEPOSITS 3

HAT CREEK COALFIELD 4

MERRITT COALFIELD 3

SIMILKAMEEN COALFIELD 3

EAST KOOTENAY COALFIELD 2

COMOX COALFIELD 3

VANCOUVER

NANAIMO COALFIELD 3

VICTORIA

Province of British Columbia

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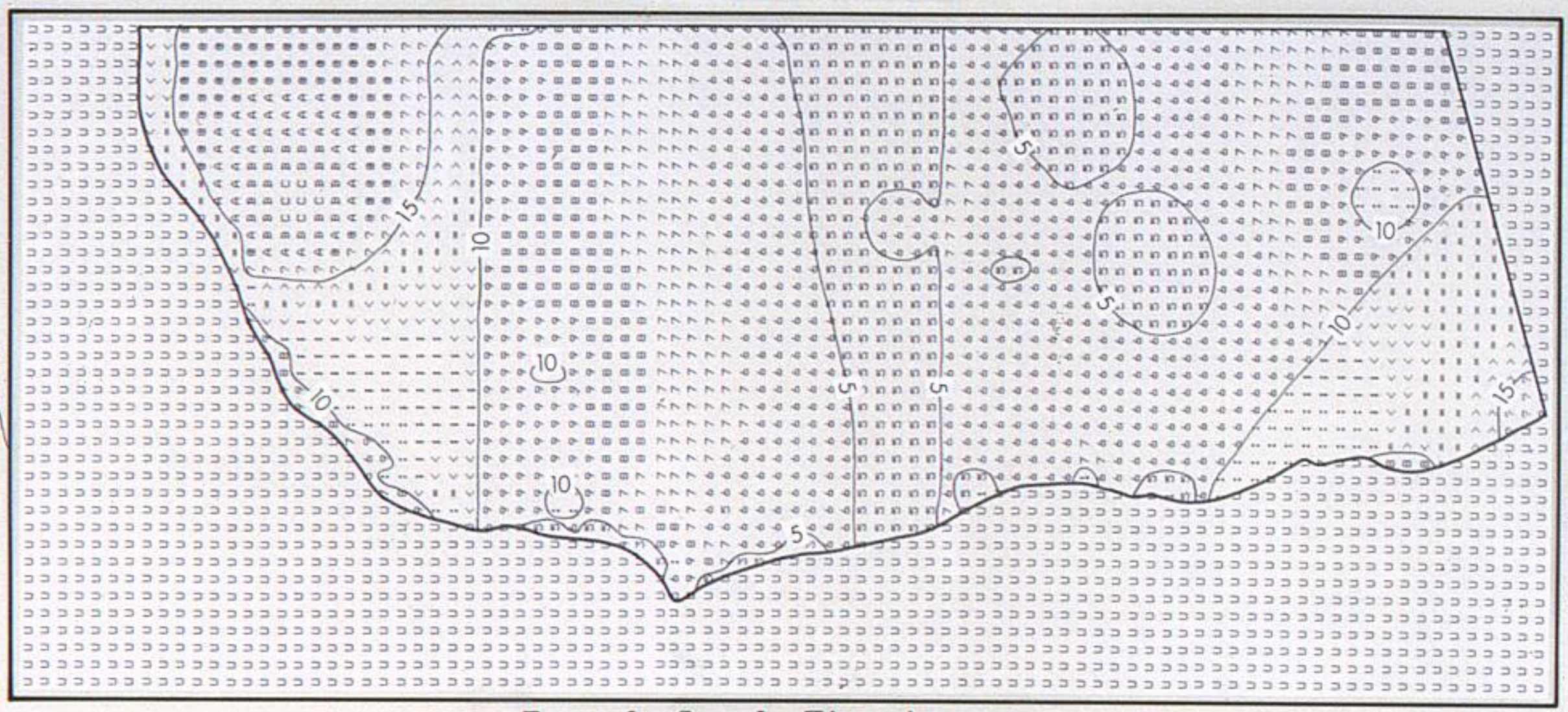
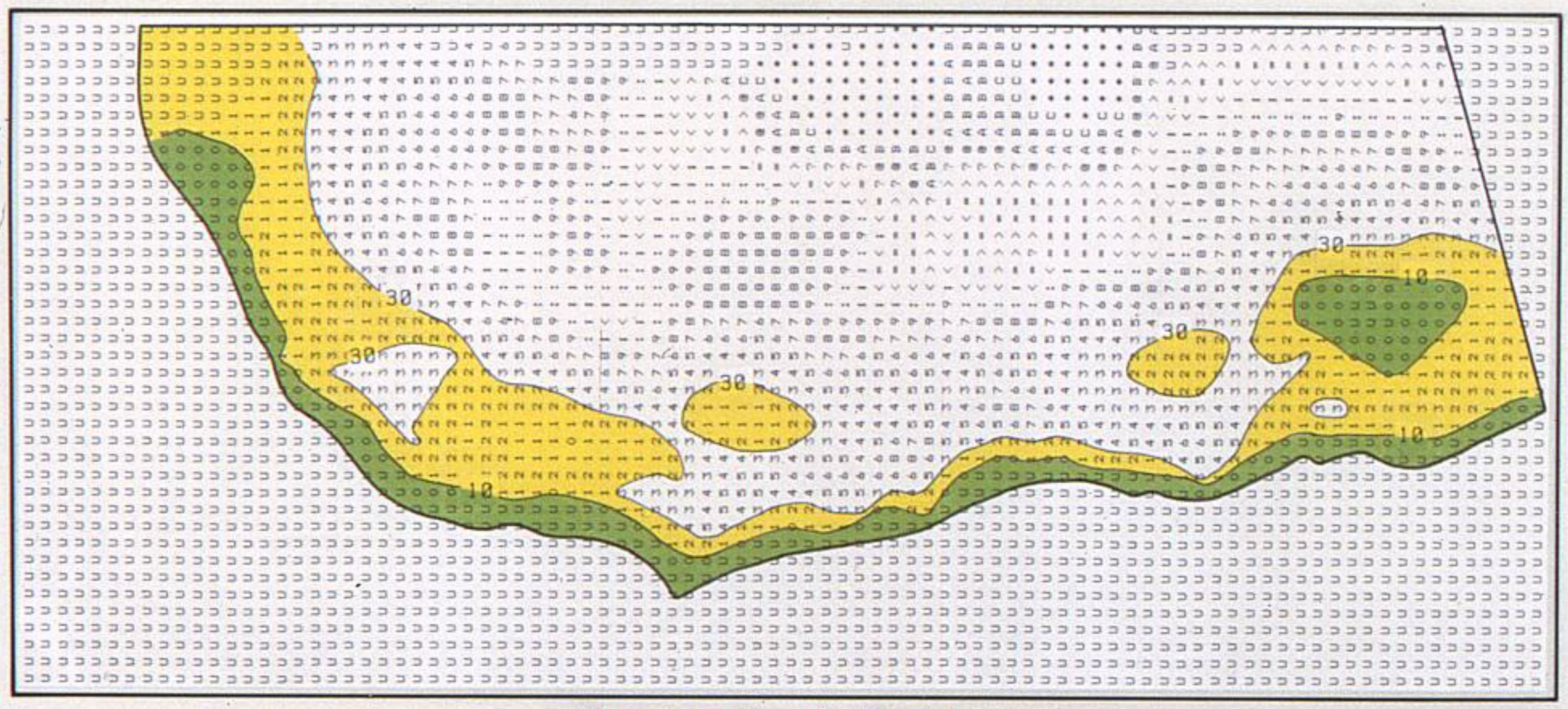
FLATHEAD RIDGE



Total Coal Thickness



Waste-Coal Ratio