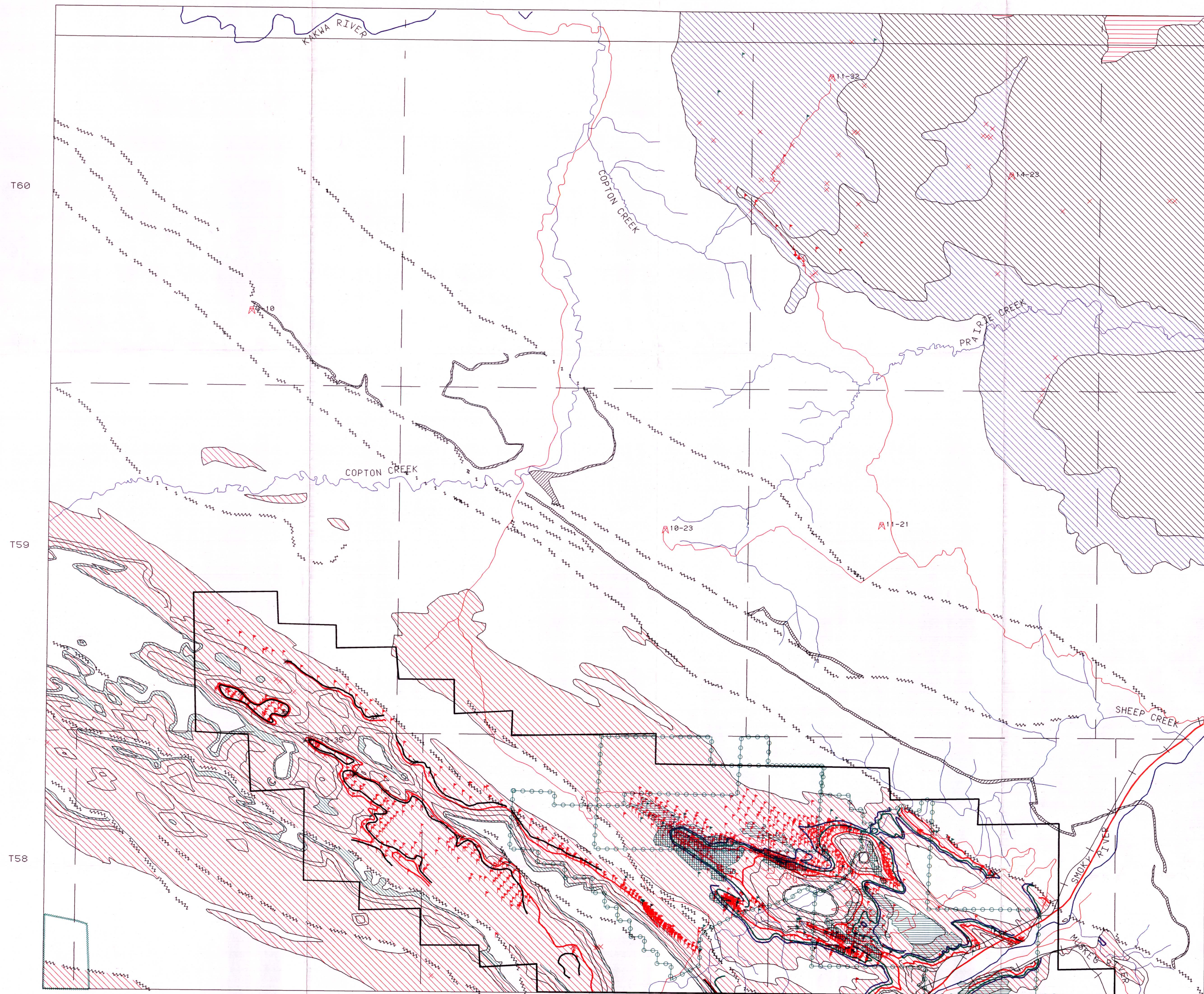


# REGIONAL COAL MAPPING - COPTON CREEK NTS 83L/3

R J H RICHARDSON, W LANGENBERG, D K CHAO, F M DAWSON, D FIETZ

SCALE 1 50,000

54 25 119 5 R10 R9 R8 W6 R7 54 25 119 0



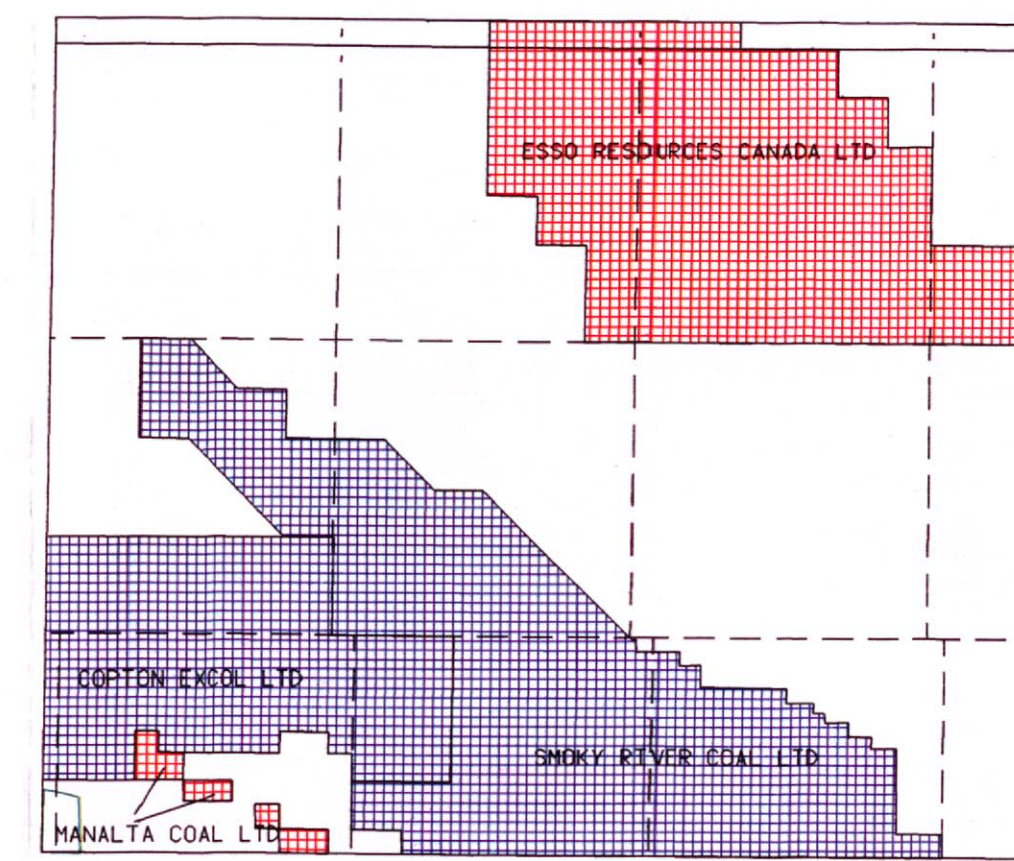
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1 50,000 LEGEND

- |  |                     |  |                                       |  |                                     |  |                                |
|--|---------------------|--|---------------------------------------|--|-------------------------------------|--|--------------------------------|
|  | SEAM 4              |  | COALSPUR FORMATION (CUPPER)           |  | COAL MINE PERMIT AREA OUTLINE       |  | OIL & GAS LOCATION (CAPPED)    |
|  | SEAM 7              |  | COALSPUR FORMATION (LOWER)            |  | ERCB SMOKY RIVER COAL FIELD OUTLINE |  | OIL & GAS LOCATION (ABANDONED) |
|  | SEAM 10             |  | BRAZEAU FORMATION (CUPPER)            |  | COAL ADIT                           |  | HIGHWAY 40                     |
|  | SEAM 11             |  | CHUNGO MEMBER OF PUSKWASKAU FORMATION |  | COAL OUTCROP                        |  | ROAD OR TRAIL                  |
|  | FAULT (DEFINED)     |  | LUSCAR GROUP                          |  | COAL TRENCH                         |  | RIVER                          |
|  | FAULT (APPROXIMATE) |  | CADOMIN FORMATION OF LUSCAR GROUP     |  | COAL DRILLHOLE, COAL INTERSECTED    |  | RAILWAY                        |
|  | FAULT (ASSUMED)     |  | OUTLINE OF SURFACE COAL MINE WORKINGS |  | COAL DRILLHOLE, NO COAL INTERSECTED |  | WILLMORE WILDERNESS PARK       |

INSTITUTE OF SEDIMENTARY AND PETROLEUM GEOLOGY  
ELAD ENTERPRISES INC

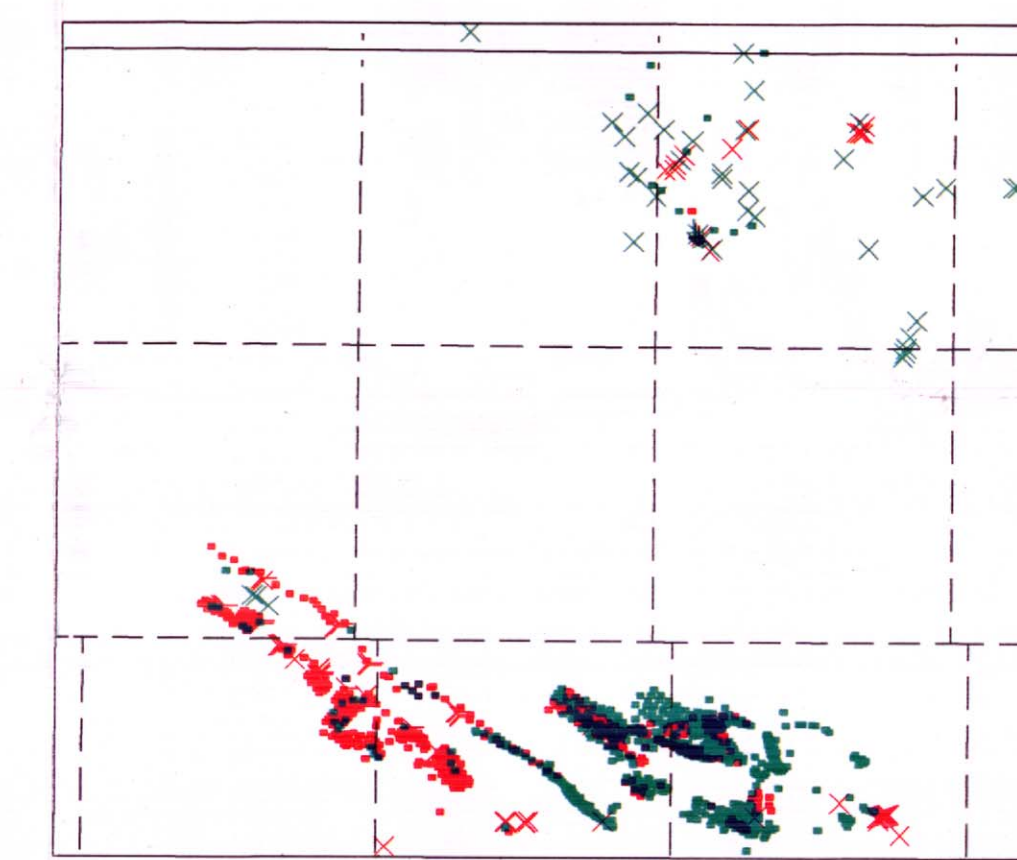
## REGIONAL COAL MAPPING - COPTON CREEK NTS 83L/3 COAL DISPOSITIONS



SCALE 1 250,000

- COAL LEASE
- COAL LEASE APPLICATION

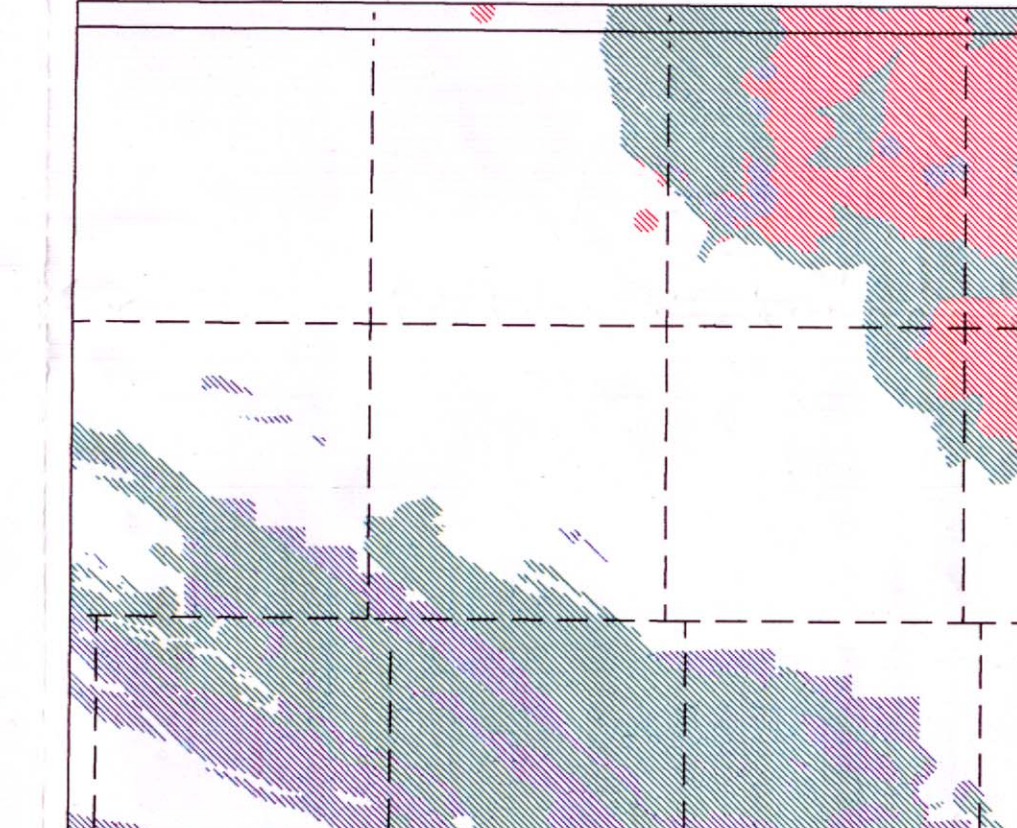
## REGIONAL COAL MAPPING - COPTON CREEK NTS 83L/3 COAL EXPLORATION DATA INFORMATION



SCALE 1 250,000

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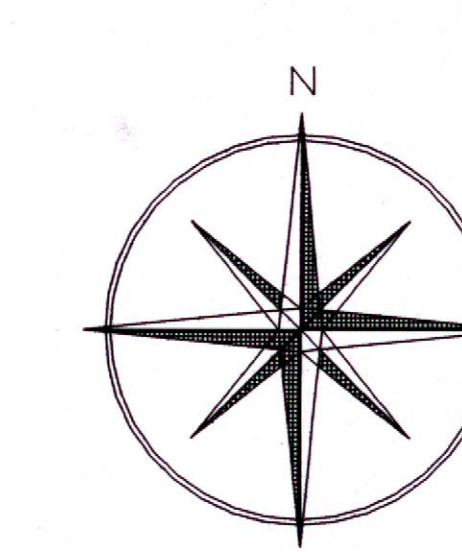
## REGIONAL COAL MAPPING - COPTON CREEK NTS 83L/3 COAL DEVELOPMENT POTENTIAL\*



- HIGH POTENTIAL
- MEDIUM POTENTIAL
- LOW POTENTIAL
- NO DATA AVAILABLE

\* NOTE \*

Coal Development Potential is a semi-quantitative and subjective evaluation of the potential of coal development based on limited data and reflecting current mining technology and general economic conditions. CAUTION: THESE RESULTS ARE BASED ON MAINLY GEOLOGICAL CRITERIA AND DO NOT INCLUDE ECONOMIC OR POLITICAL FACTORS. THE FUTURE TO ESTABLISH A 'POTENTIAL' MAP FOR A GIVEN SET OF CRITERIA, PLEASE CONTACT THE AQS.

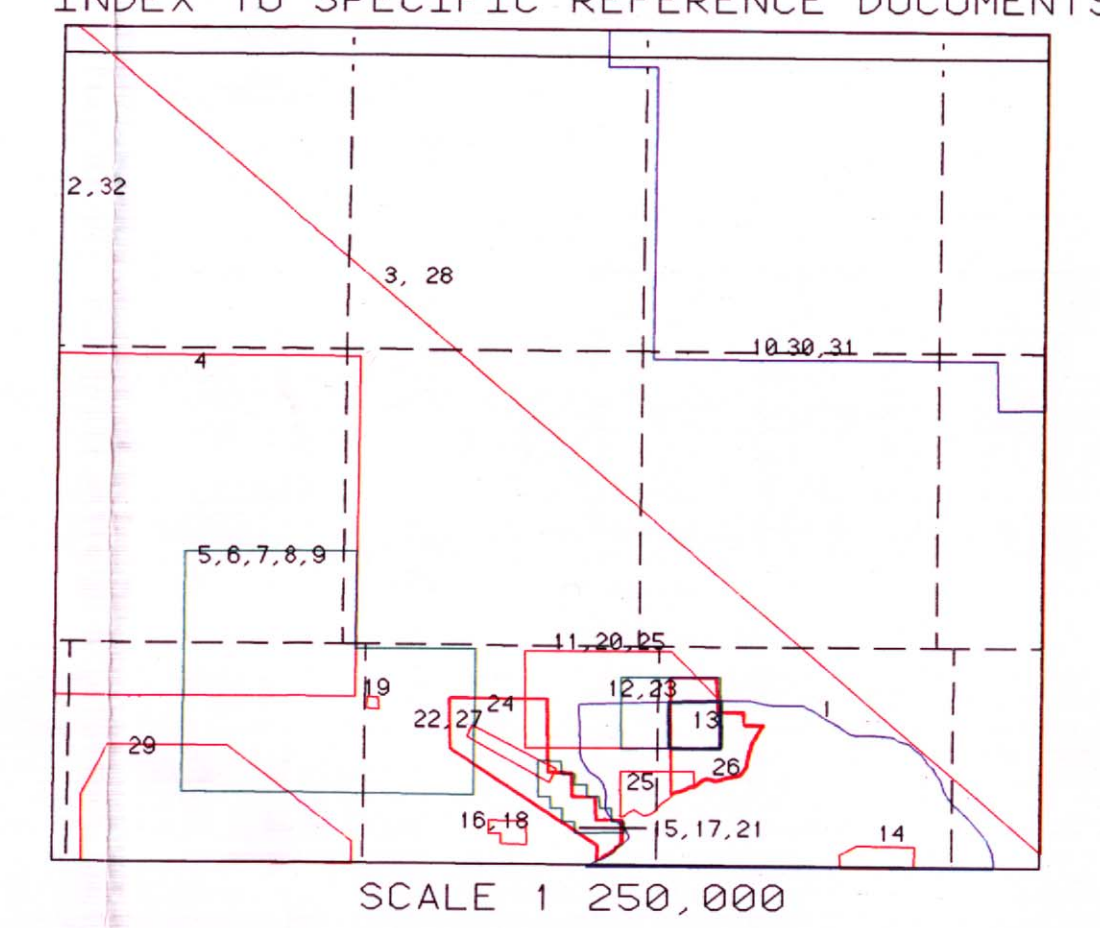


ALBERTA RESEARCH COUNCIL MAP RCMS  
IMAGE NAME 83L3011  
COMPILED DATE JANUARY, 1991  
REVISION DATE MAY 13, 1991

RELIABILITY AND USE  
Information contained on this map was derived from aerial, satellite, and field data. Every attempt has been made to accurately portray the data. However, the user is advised to provide their own verification of the data. For more information on the project, please contact the Regional Coal Geology Section, Research Council of Energy and the Alberta Research Council, P.O. Box 8338, Station F, Edmonton, Alberta, T6H 5Z2.

FUNDING  
Funds for this project have been provided by the Alberta Department of Energy and the Alberta Research Council.

## REGIONAL COAL MAPPING - COPTON CREEK NTS 83L/3 INDEX TO SPECIFIC REFERENCE DOCUMENTS

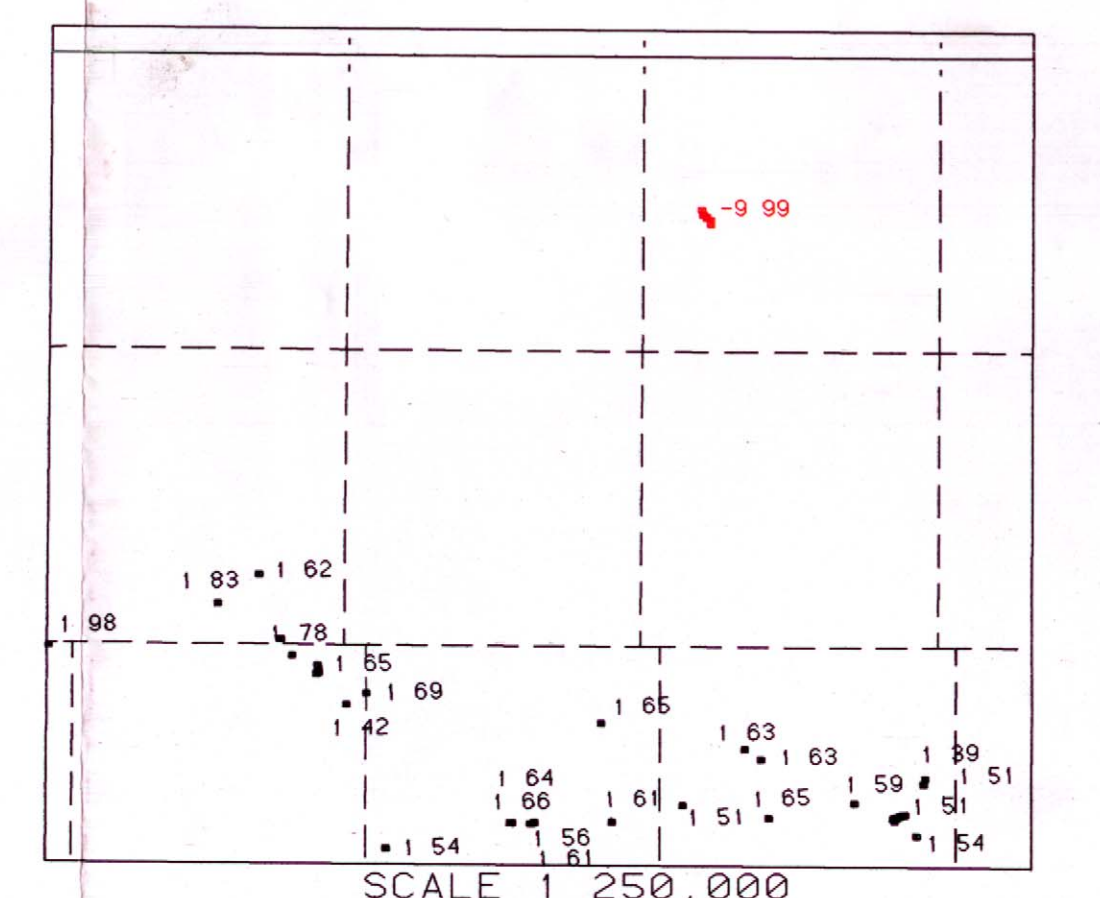


SCALE 1 250,000

INDEX TO SPECIFIC REFERENCE DOCUMENTS FOR THE MAPSHEET NTS 83L/3

1. Langenberg, D. K., Richardson, R. J. H. and Dawson, F. M. 1987. Regional Coal Geology of the Copton Creek area, Alberta. Alberta Research Council Geological Survey Bulletin No. 55. Report containing: a) map 'Geological Map Grande Cache Area, Alberta', scale 1:15,000; b) 'Cross Section, Grande Cache Area, Alberta', scale 1:15,000; c) map 'Structure of Top of Number 4 Coal Seam, Grande Cache, Alberta', scale 1:30,000.
2. Outline identified as 1 on GIS plot.
3. Geological Survey of Canada Report 2185, Scale 1:50,000. Outline identified as 2 on GIS plot.
4. Geological Survey of Canada Report 2185, Scale 1:50,000. Outline identified as 2 on GIS plot.
5. Geological Survey of Canada Report 2185, Scale 1:50,000. Outline identified as 2 on GIS plot.
6. Geological Survey of Canada Report 2185, Scale 1:50,000. Outline identified as 2 on GIS plot.
7. Geological Survey of Canada Report 2185, Scale 1:50,000. Outline identified as 2 on GIS plot.
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21. Geological Survey of Canada Report 2185, Scale 1:50,000. Outline identified as 2 on GIS plot.
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25. Geological Survey of Canada Report 2185, Scale 1:50,000. Outline identified as 2 on GIS plot.
26. Geological Survey of Canada Report 2185, Scale 1:50,000. Outline identified as 2 on GIS plot.
27. Geological Survey of Canada Report 2185, Scale 1:50,000. Outline identified as 2 on GIS plot.

## REGIONAL COAL MAPPING - COPTON CREEK SELECTED VITRINITE REFLECTANCES (X) FROM COAL OUTCROPS & TRENCHES



SCALE 1 250,000

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