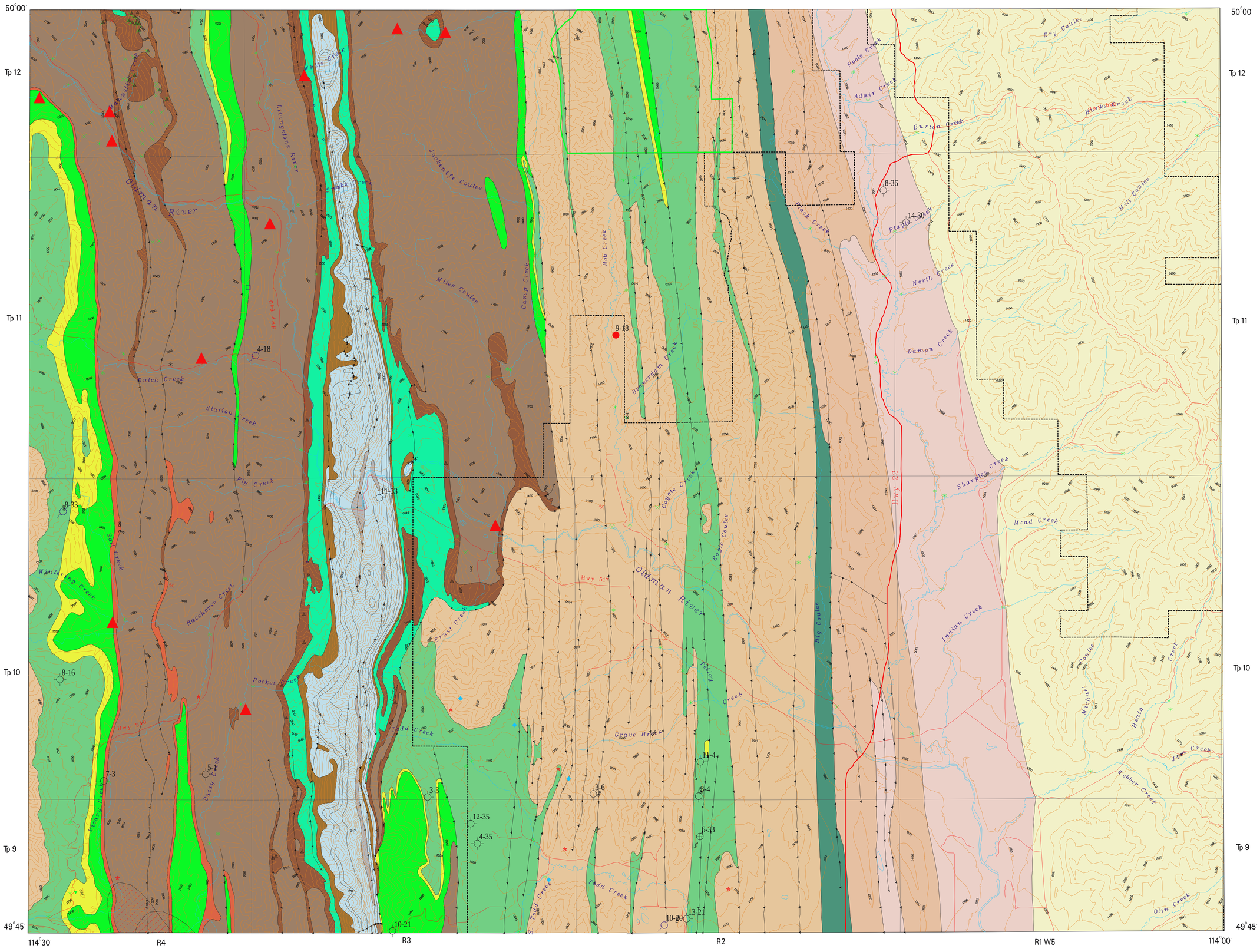

Legend

TERTIARY
- Porcupine Hills Fm

CRETACEOUS OR TERTIARY
- Willow Creek Fm

CRETACEOUS
- St. Mary River Fm
- Bearpaw Fm
- Belly River Fm
- Wapiabi Fm
- Cardium Fm
- Blackstone Fm
- Crowsnest Fm
- Blairmore Gp
- Kootenay Gp

JURASSIC
- Fernie Gp

TRIASSIC TO PENNSYLVANIAN
- Spray River and Spray Lake Gps

MISSISSIPPIAN
- Etherington, Mount Head, Turner Valley, Pekisko, and Shunda Fms
- Banff Fm
- Fault

- Clay/Shale, Common
- Magnetite
- Phosphate
- Geochemical Anomaly
- Metallogenic Occurrence
- Rock Samples
- Stream Samples

Scale 1:50,000

- Coal Trench
- Coal Drillhole, Scurry Rainbow Oil Ltd. (Coal Intersected)
- Coal Drillhole, Scurry Rainbow Oil Ltd. (No Coal Intersected)
- Surface Coal Mine Location
- Underground Coal Mine Location
- Gas Pool
- Well Location (Abandoned)
- Well Location (Capped)
- Well Location (Proposed/Rejected)
- Well Location (Suspended)

- Forestry Reserve
- Ecological Reserve
- Major Highway
- Secondary Highway and Road
- Contour (50 metre interval)
- Major Lake/River

Kilometres
-1 0 1 2 3

Location Map

Note: See specific reference documents on Map 2

Southern Alberta NATMAP Project
Maycroft, Alberta - NTS 82G/16

D.K. Chao, R.J.H. Richardson, D. Fietz*

Original Compilation: 1995
Revised and Released: 1996
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Map 1 of 2

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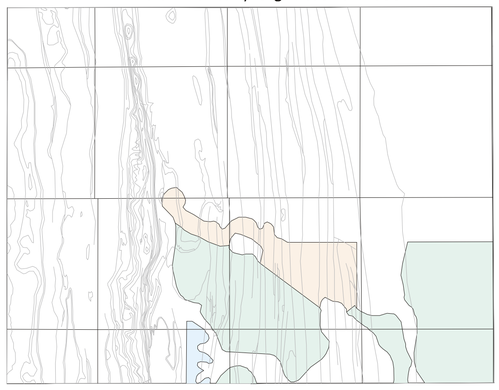
Environmentally Significant Areas

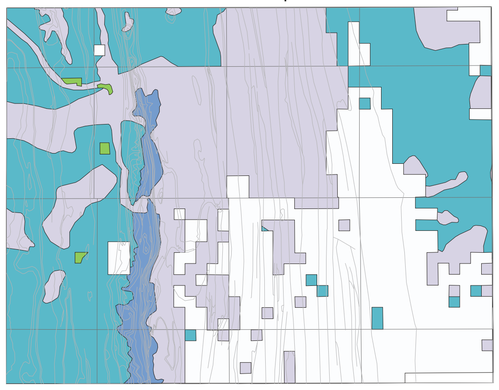


Scale 1:250,000

- International
- Regional
- National
- Local
- Provincial

Source: Alberta Dept. of Environmental Protection

Refined Eastern Slopes Zones

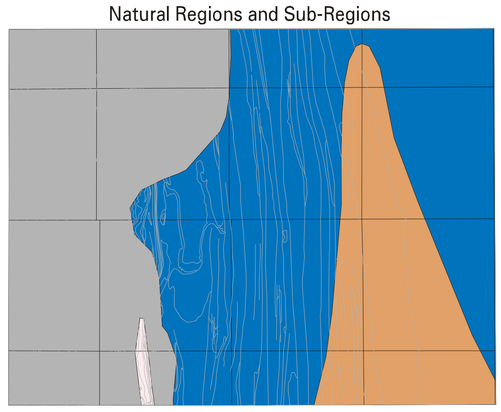


Scale 1:250,000

- Prime Protection
- Critical Wildlife
- General Recreation
- Multiple Use

Source: Alberta Dept. of Environmental Protection

Natural Regions and Sub-Regions

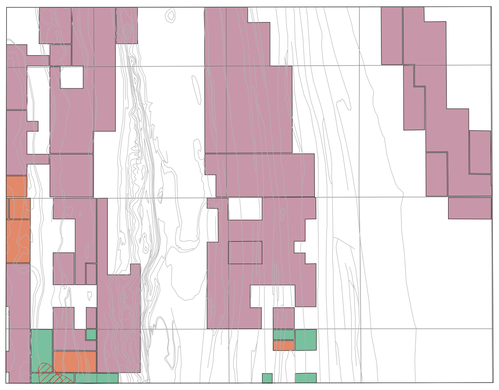


Scale 1:250,000

- Rocky Mountains, Alpine
- Rocky Mountains, Sub-Alpine
- Rocky Mountains, Montane
- Grassland, Foothills Fescue

Source: Resource Data Division, Alberta Dept. of Environmental Protection

Petroleum and Natural Gas Leases and Licences

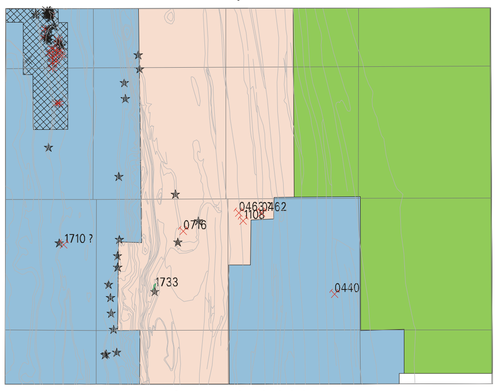


Scale 1:250,000

- Petroleum and Natural Gas Licence (5 year term: Foothills)
- Gas Pool
- Petroleum and Natural Gas Lease (5 year term)
- Natural Gas Lease

Source: Mineral Access, Geology, Mapping Branch, Alberta Dept. of Energy (May, 1995)

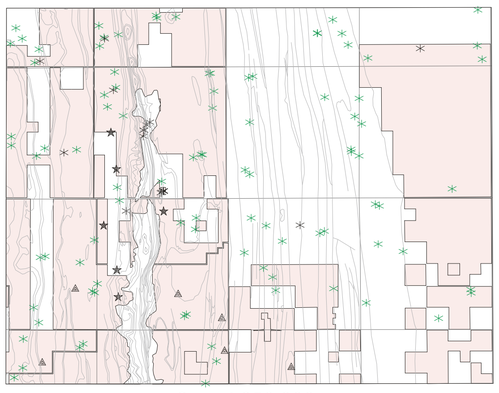
Land Classification for Coal Exploration / Development, and Coal Exploration Data



Scale 1:250,000

- Coal Category 1
- Coal Drillhole Location
- Coal Category 2
- Coal Trench Location
- Coal Category 3
- Coal Mine Location
- E.U.B. Coal Field

Metallic Mineral Permit Areas



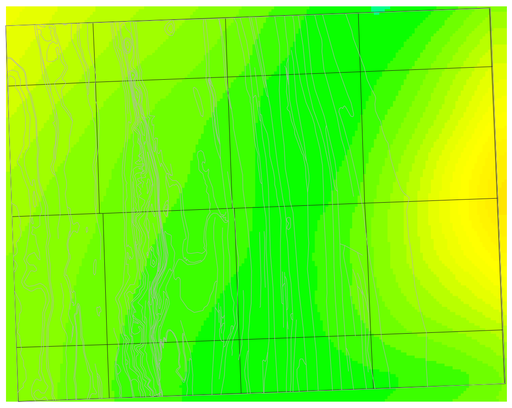
Scale 1:250,000

- AGS Sample Location
- Metallic Mineral Agreement**
- Rock Sample Location*
- Stream Sediment Sample Location*
- Geochemical Sample Location*

* Canada-Alberta MDA Project: MDA 93-04-034; ARC Open File Report 1994-7

** Mineral Access, Geology, Mapping Branch, Alberta Dept. of Energy (May, 1995)

Aeromagnetic Field Anomalies



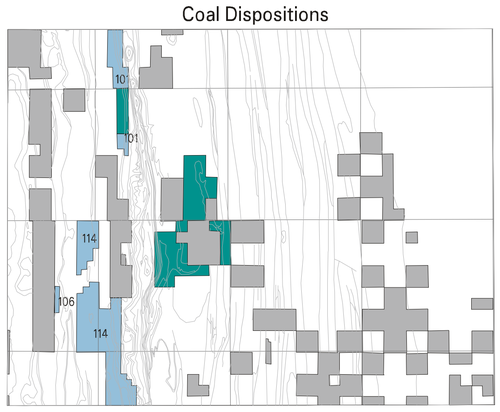
Scale 1:250,000

nano Teslas

1500	350	200	75	-50	-175
1000	300	175	50	-75	-200
750	275	150	25	-100	-225
500	250	125	0	-125	-250
400	225	100	-25	-150	-275

Source: Geophysical Data Centre, Natural Resources Canada

Coal Dispositions

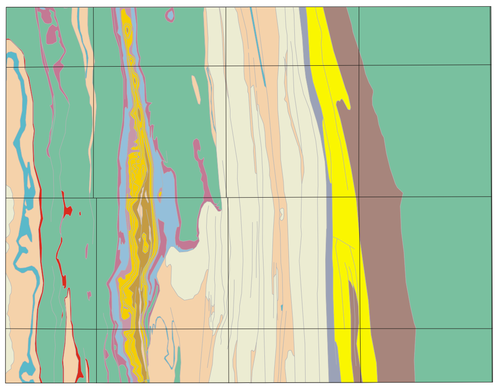


Scale 1:250,000

- Coal Lease
- Freehold
- Area with registered right of First Refusal

101. Manalta Coal Ltd.
106. Chinook Coal Ltd.
114. Scurry-Rainbow Oil Ltd. and Consolidation Coal Company of Canada

Near-surface Non-renewable Mineral Resource Potential

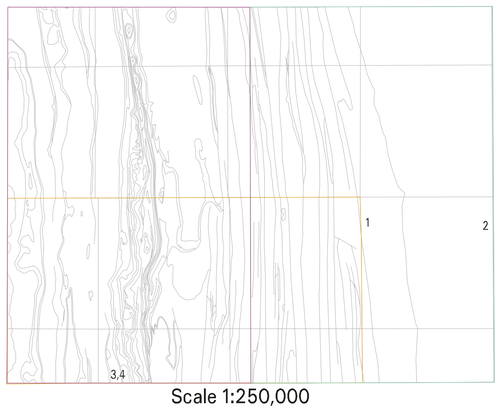


Scale 1:250,000

- Sandstone (Building Stone)
- Sandstone (Crushed Stone/Rip Rap)
- Sandstone/Shale (Cement)
- Volcanic Rock (Decorative Stone)
- Sandstone (Building Stone)/ Clay (Ceramic)
- Coal/Clay (Ceramic)
- Gem Fossils (Ammolite)/ Shale (Lightweight Aggregates)
- Phosphate
- Clay (Ceramic)/Magnetite
- Sandstone (Building Stone)/ Phosphate/Quartzite
- Shale (Cement)
- Dolomite (Crushed Stone/Rip Rap)
- Limestone (Cement/Lime)

Source: Evaluation by W.N. Hamilton, Alberta Geological Survey

Index to Specific Reference Documents



Scale 1:250,000

INDEX TO SPECIFIC REFERENCE DOCUMENTS FOR THE MAPSHEET 82G/16

1. Leach, W.W. 1903. The Blairmore-Frank Coal Fields. Geological Survey of Canada - Summary Report for 1902, Volume XV - Part A, Pages 169 to 181; includes Map 808, 'Geological Sketch Map of Part of the Blairmore-Frank Fields', ~ Scale 1:140 000. Outline identified as 1 on the index map.

Douglas R.J.W. 1950. Callum Creek, Langford Creek, and Gap Map-Areas, Alberta. Geological Survey of Canada Memoir 255.

2. Douglas R.J.W. and Shaw, G. 1944-45. Callum Creek mapsheet. Geological Survey of Canada Map 982A (82G/16 east half). Scale 1:63 360. Outline identified as 2 on the index map.

3. Douglas R.J.W. 1947. Gap mapsheet. Geological Survey of Canada Map 978A (82G/16 west half). Scale 1:63 360. Outline identified as 3 on the index map.

4. Dawson, F.M. Pre-1992. (Unpublished) Geological Survey of Canada - Institute of Sedimentary and Petroleum Geology, Western Canada Coal Atlas Project: Kootenay Group Pilot Maps 82G/15, 82G/16, 82J/1 and 82J/2. Scale 1:70 000 and 1:35 000. Outline defined as 4 on the index map.

RELIABILITY AND USE

Information relating to this mapsheet has been derived from a number of different sources, scales and formats (digital and hard copy). While every attempt has been made to accurately portray the data, this map is intended to provide a basic compilation and overview of Earth Resources; for more specific informational needs please contact the Land Use Planning and Environmental Management Support Team, Alberta Geological Survey, Alberta Department of Energy, 6th Floor, North Tower, Petroleum Plaza, 9945-108 Street, Edmonton, Alberta, Canada T5K 2G6 (phone: (403)422-1927).

Location Map

FUNDING

Funds for this project have been provided by the Alberta Department of Energy.

NOTE

The 'Near-surface Non-renewable Mineral Resource Potential Map' is a semiquantitative and subjective evaluation of the mineral resource potential based on limited data, current resource technology and general economic geology factors. CAUTION SHOULD BE EMPLOYED IN THE USE OF THESE ANALYSES! The analyses are based mainly on geological criteria and do not take into account actual economic constraints to development (related to ore grades, reserves, recoverability, accessibility, markets, etc.), now, or in the future.

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Map 2 of 2

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