

Holter Collection Finding Aid

The reports in this collection are divided into seven groups based on the mineral type or broad topic of the reports.

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Potash

1. Calcium and Magnesium in Alberta Brines (with B. Hitchon); Research Council of Alberta Geology Report No.1, 1971.
2. Geological Criteria for the Location Of Economic Potash Deposits; CIMM Bull., June 1971.
3. Geology of the Prairie Evaporite Formation of Saskatchewan, Canada; *in* Geology of Saline Deposits, Proceedings of the 1968 Hanover Symposium, 1972.
4. Composite Geological Logs for Salt Cavern Testholes, Home *et al* Canso Strat No. 3A and Home *et al* Canso Strat No. 4B, prepared for Home Oil Co., 1978.
5. Alternatives to Present Potash Mining Practices in Canada; final report by Montreal Engineering Company; for Canada Centre for Mineral and Energy Technology, Energy, Mines and Resources Canada, December 1984.
6. Salt Solution Study for Southeastern Saskatchewan – A Guide for Oil and Gas Exploration; prepared for non-exclusive distribution, 1984.
 - 6-1.** Normal Area; Standard Listing; Salt Solution Study for Southeastern Saskatchewan, 1984.
 - 6-2. Map:** Figure 1 Location Map, Figure 2 Stratigraphic Table; Salt Solution Study for Southeastern Saskatchewan; A Guide for Oil and Gas Exploration, 1984.
 - 6-3. Map:** Figure 3; Regional Geology; Salt Solution Study for Southeastern Saskatchewan, 1984.
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6-9. Map: Figure 9; Seismic Contour Map on Approximate Top of the Birdbear Formation; Salt Solution Study for Southeastern Saskatchewan, 1984.

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6-22. Map: Figure 23; Structure Contour Map on top of the Souris Valley Fm.; Salt Solution Study for Southeastern Saskatchewan, 1984.

6-23. Map: Figure 24; Isopach Map of the Souris Valley Fm.; Salt Solution Study for Southeastern Saskatchewan, 1984.

6-24. Map: Figure 25; Structure Contour Map on top of the Frobisher-Alida-Tilston Fms.; Salt Solution Study for Southeastern Saskatchewan, 1984.

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6-26. Map: Figure 27; Structure Contour Map on top of the Uppermost Mississippian Fms.; Salt Solution Study for Southeastern Saskatchewan, 1984.

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- 6-36. Map:** Figure 37; Isopach Map of the Lower Colorado Group; Salt Solution Study for Southeastern Saskatchewan, 1984.
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- 6-39. Map:** Figure 40; Summary of Thickness Anomalies; Salt Solution Study for Southeastern Saskatchewan, 1984.
- 6-40. Map:** Figure 41; Summary of Seismic Anomalies; Salt Solution Study for Southeastern Saskatchewan, 1984.
7. Synopsis of a Salt Solution Study for Southeastern Saskatchewan – A Guide for Oil and Gas Exploration; prepared for selective sale by: Minprobe Consultants Ltd., 1984.
8. Hydrogeological Study of the Rocanville Mine (with L.W. Vigrass and K. Hutchence); internal study prepared for the Potash Corporation of Saskatchewan Limited, 1985.
9. Reviews of a Potash Exploration Program in the Canning Basin, Western Australia; internal studies prepared for the Broken Hill Proprietary Co. Ltd., 1986, 1987.
10. Cross Sections through the Dawson Bay Formation, I.M.C. K-2 Min, Esterhazy, Saskatchewan; internal study prepared for the International Minerals and Chemical Corporation (Canada) Ltd., 1987.
11. Geological Conditions in the Problematic Inflow Area of the I.M.C. K-2 Mine; Esterhazy, Saskatchewan; internal study prepared for International Minerals and Chemical Corporation (Canada) Ltd., 1987.
12. Grout Acceptability Factors for the Dawson Bay Formation in the Problematic Inflow Area of the I.M.C. K-2 Mine; internal study prepared for the International Minerals and Chemical Corporation (Canada) Ltd., 1987.
13. Geological Risk Comparison: I.M.C. to P.C.S. Rocanville Mines, Saskatchewan; internal study prepared for the International Minerals and Chemical Corporation (Canada) Ltd., 1988.

14. An Analysis of Drilling Problems in the B and C Inflow Areas, I.M.C. K-2 Mine, Saskatchewan; internal study prepared for the International Minerals and Chemical Corporation (Canada) Ltd., 1989.
15. Drilling, Coring, and Testing Procedures at the I.M.C. K-2 Mine, 1986 to 1988 Inclusive; internal study for the International Minerals and Chemical Corporation (Canada) Ltd., 1989.
16. A Review of Core Fracture Analyses, I.M.C. K-2 Mine, Esterhazy, Saskatchewan; internal study prepared for the International Minerals and Chemical Corporation (Canada) Ltd., 1989.
17. Structural and Thickness Features of Strata Overlying the Mining Zone with the I.M.C. Mine Inflow Area; internal study prepared for the International Minerals and Chemical Corporation (Canada) Ltd., 1989.
18. A Comparative Study of Geophysical Survey Results and Geological Conditions; internal study prepared for the International Minerals and Chemical Corporation (Canada) Ltd., 1990.
19. A Review of Potential Shaft Conditions at the I.M.C. Gerald 1c-13-20-32 Test Site; internal study prepared for the International Minerals and Chemical Corporation (Canada) Ltd., 1990.
20. A Review of Potential Shaft Conditions at the I.M.C. Gerald 10d-13-20-32 Test Site *with* Well History and Engineering Report; internal study prepared in cooperation with C.W. Cawston and Associates for the International Minerals and Chemical Corporation (Canada) Ltd., 1990.
21. An Evaluation of Alberta Limestones for use as Paper Filler Materials; Alberta Research Council open File Report 1990-11.
22. An Evaluation of a Proposed Potash Mining Area East of the Current I.M.C. Operations; Esterhazy, Saskatchewan; internal study prepared for the International Minerals and Chemical Corporation (Canada) Ltd., 1991.
23. A Review of Potential Shaft Conditions at the I.M.C. Gerald 5a-17-20-31 Test Site; internal study for International Minerals and Chemical Corporation (Canada) Ltd., 1991.
24. Geotechnical Site Investigation of the C and G Timber "North 40" Harvest Unit on Lookout Mountain, Whatcom County; prepared for C and G Timber, Inc., May 2004.

25. Summary of Geological Assessment Work on Acron Potash Permits in South Central Saskatchewan; prepared for: JSC Acron, 2007.
26. 43-101 Formatted Technical Report for Potash Subsurface Mineral Permit No. 379 within the Homefield, Saskatchewan Area; prepared for: JSC Acron, 2008.
27. 43-101 Formatted Technical Report for Potash Subsurface Mineral Permit Nos. KP-423 to -429 Incl. within the Rosetown, Saskatchewan Area; prepared for: Agracity Ltd., 2008.
28. 43-101 Formatted Technical Report for Potash Subsurface Mineral Permit KP-501 within the Rosetown, Saskatchewan Area; prepared for: 101119529 Saskatchewan Ltd., 2008.
29. 43-101 Formatted Technical Report for Potash Subsurface Mineral Permit No. 380 within the Parkerview, Saskatchewan Area; prepared for: JSC Acron, 2009.
30. 43-101 Formatted Technical Report for Potash Subsurface Mineral Permit No. 385 within the Hanley, Saskatchewan Area; prepared for JSC Acron, 2009.
31. 43-101 Formatted Technical Report for Potash Subsurface Mineral Permit No. 388 within the Clavet, Saskatchewan Area; prepared for JSC Acron, 2009.
32. 43-101 Formatted Technical Report for Potash Subsurface Mineral Permit No. 393 within the Cupar, Saskatchewan Area; prepared for JSC Acron, 2009.
33. 43-101 Formatted Technical Report for Potash Subsurface Mineral Permit No. 401 within the Raymore, Saskatchewan Area; prepared for JSC Acron, 2009.
34. 43-101 Formatted Technical Report for Potash Subsurface Mineral Permit No. 410 within the Biggar, Saskatchewan Area; prepared for JSC Acron, 2009.
35. 43-101 Formatted Technical Report for Potash Subsurface Mineral Permit Nos. KP-361 to -370 Incl. within the Davidson, Saskatchewan Area; prepared for: JSC Acron, 2009.

36. 43-101 Formatted Technical Report for Potash Subsurface Mineral Permit Nos. KP-382 and -383 within the Foam Lake, Saskatchewan Area; prepared for JSC Acron, 2009.
37. 43-101 Formatted Technical Report for Potash Subsurface Mineral Permit KP-431 within the Yorkton, Saskatchewan Area; prepared for: Agrikalium Mining Corporation, 2009.
38. 43-101 Formatted Technical Report for Potash Subsurface Mineral Permit KP-432 within the Yorkton, Saskatchewan Area; prepared for: Agrikalium Mining Corporation, 2009.
39. 43-101 Formatted Technical Report for Potash Subsurface Mineral Permit KP-433 within the Yorkton, Saskatchewan Area; prepared for: Agrikalium Mining Corporation, 2009.
40. 43-101 Formatted Technical Report for Potash Subsurface Mineral Permit Nos. KP-430 to -433 Inclusive within the Yorkton, Saskatchewan Area; prepared for: Agricity Potash Inc., 2009.
41. 43-101 Formatted Technical Report for Potash Subsurface Mineral Permit KP-502 within the Rosetown, Saskatchewan Area; prepared for: 101119529 Saskatchewan Ltd., 2009
42. A Review of Acron Potash Permit Holdings in South Central Saskatchewan; prepared for: JSC Acron, May, 2009.
43. 43-101 Formatted Technical Report for Potash Subsurface Mineral Permit KP-430 Within the Yorkton, Saskatchewan Area; prepared for: Agrikalium Mining Corporation, July 2010.
44. 43-101 Formatted Technical Report for Potash Subsurface Mineral Permit KP-503 within the Rosetown, Saskatchewan Area; prepared for: 101119529 Saskatchewan Ltd., 2010.
45. Geological Assessment of Potash Subsurface Mineral Permit No. 400 within the Outlook, Saskatchewan Area; prepared for JSC Acron, June 2010.
46. Geological Assessment of Subsurface Mineral Permit KP-421 within the Round Lake, Saskatchewan Area; prepared for JSC Acron, July 2010.

Silica Sand

47. Gravel and Sand Resources of the Grande Prairie Area; Research Council of Alberta, October, 1972.

Industrial Minerals/Rocks

48. Limestone Resources of Alberta, CIMM Bull., March. 1973, also *in* Proceedings Volume on the Eleventh Forum on the Geology of Industrial Minerals, 1974.
49. Marl Deposits of the Hand Hills Area; Alberta Research Council Open File Report 1974-36.
50. Marl Deposits of the Grande Prairie – Peace River Areas; Alberta Research Council Open File Report 1974-37.
51. Gravel Resources of the Red Deer Area; Alberta Research Council Report 75-3, 1975. . Q21 .R42A3
52. Limestone Resources of Alberta; Alberta Research Council Economic Geology Report No. 4, 1976.
53. A Review of Alberta Limestone Production, Marketing, Distribution and Future Development Possibilities; report prepared for the Canada-Alberta Partnership on Minerals program; Canada Natural Resources/Alberta Geological Survey, 1994.
54. Summary Review of the Mount Paulson, Nordegg, and Grotto Mountain Limestone Deposits; internal study prepared for Westmin Resources, 1994.
55. Assessment of the Limestone Resources of Lot 315, Rupert Inlet Area, Vancouver Island, B.C.; internal study prepared for Western Forest Products Limited, 1995.

Slope Stability/Terrain Analysis

56. Preliminary Review of a Proposed Port and Industrial Park Facility at Cherry Point, Whatcom County, Washington; internal study for Cherry point Industrial Park Inc., 1992.
57. Mid-Season Status of the 1996 – 1997 Watershed Restoration Program; internal report, July, 1996.
58. A Proposal to Stabilize Road-Induced Slope Hazards with Explosives in the McTavish Creek Area; internal report, September, 1996.
59. A Review of Terrain Conditions in the Nicknaqueet River Watershed, MidCoast Forest District; internal report prepared for Ministry of Forests and the Oweekeno Nation, 1997.
60. A Review of Terrain Conditions in the Noeick River Watershed; internal report prepared for International Forest Products Ltd., 1997.
61. Late Season Status Report for the 1996 – 1997 Watershed Restoration Program in the MidCoast Forest District; internal report, February, 1997.
62. Pre-Layout Terrain Stability Assessment, Nootka Island Proposed Cutblock B201; internal report prepared for Nootka First Nations Forest Products Ltd., 1997.
63. Pre-Layout Terrain Stability Assessment, Nootka Island Proposed Cutblock B204; internal report prepared for Nootka First Nations Forest Products Ltd., 1997.
64. Post-Layout Terrain Stability Assessment, Bligh Island Proposed Cutblock A201; internal report prepared for Nootka First Nations Forest Products Ltd., 1997.
65. Post-Layout Terrain Stability Assessment, Bligh Island Proposed Cutblock A202; internal report prepared for Nootka First Nations Forest Products Ltd., 1997.
66. Road and Hillslope Prescriptions for the Call Inlet Area; Internal report prepared for Timfor Contractors Ltd., 1997.

67. Road Assessment, Lignite Mainline Proposed Spur 49; internal report prepared for Husby Forest Products Ltd., 1997.
68. Terrain Assessments for Selected Watersheds within the Bella Coola Drainage System; internal reports prepared for International Forest Products Ltd., 1997.
- 68-1. Part 1: Report Outline
 - 68-2. Part 2: Clayton Falls Creek
 - 68-3. Part 3: Salloompt River
 - 68-4. Part 4: Nusatsum River
 - 68-5. Part 5: Noosgulch River
 - 68-6. Part 6: Noomst Creek, McCall Flats
69. Terrain Assessments of Cut Blocks A to J, Smith Inlet Area, Midcoast Forest District; internal report, February, 1997.
70. A Report on Landslide Rehabilitation Assessment Procedures for the Davidson Creek and Naden River Watersheds, Queen Charlotte Islands; internal report prepared for Husby Forest Products Ltd., 1998. **3 parts:**
- 70-1. Part A- General Data; A Report on Landslide Rehabilitation Assessment Procedures for the Davidson Creek and Naden River Watersheds, Queen Charlotte Islands; internal report prepared for Husby Forest Products Ltd., 1998.
 - 70-2. ; Part B- Davidson Creek Watershed; A Report on Landslide Rehabilitation Assessment Procedures for the Davidson Creek and Naden River Watersheds, Queen Charlotte Islands; internal report prepared for Husby Forest Products Ltd., 1998.
 - 70-3. Part C- Naden River Watershed; A Report on Landslide Rehabilitation Assessment Procedures for the Davidson Creek and Naden River Watersheds, Queen Charlotte Islands; internal report prepared for Husby Forest Products Ltd., 1998.
71. Detailed Terrain Assessments of the Noosgulch River Watershed; internal report prepared for International Forest Products Ltd., 1998.
72. Geotechnical Assessment of the D.A. Gibson Property near Hagensborg, B.C.; private report prepared for D.A. Gibson for submission to the Ministry of Transportation and Highways, 1998.
73. Overview (Level 1) Assessment of the Machmell Branch M-100 Project Area, MidCoast Forest District; internal report prepared for Western Forest Products Ltd., 1998.

74. Overview (Level 1) Assessment of the Milton-Inrig Watershed; internal report prepared for Western Forest Products Ltd., 1998.
75. Overview (Level 1) Assessment of the Sheemahant West Main Project Area, MidCoast Forest District; internal report prepared for Western Forest Products Ltd., 1998.
76. Post-Layout Terrain Stability Assessment, Bligh Island Proposed Cutblock A200; internal report prepared for Nootka First Nations Forest Products Ltd., 1998.
77. Project Management Report for the 1998 Nicknaquet Watershed Restoration Program Part 1: Report Text; prepared for Oweekeno Nation, 1998.
78. Project Management report for the 1998 Nicknaquet Watershed Restoration Program Part 2: Addendum; prepared for Oweekeno Nation, 1998.
79. Certification Report for the 1998 Road Deactivation Program, Noosgulch River Watershed; internal report prepared for the International Forest Products Ltd., 1999.
80. Certification Report for Road Prescriptions for the Clayton Falls Creek Watershed; internal report prepared for International Forest Products Ltd., 1999.
81. Interior Watershed Assessment Procedures for the Intlpam Creek Area; internal report prepared for Ainsworth Lumber Co. Ltd., B.C., 1999.
82. Post-Layout Terrain Stability Assessment, Phinney Creek, Proposed Cutblock P624; internal report prepared for Western Forest Products Ltd., 1999.
83. Post-Layout Terrain Stability Assessment, Phinney Creek, Proposed Cutblock P627; internal report prepared for Western Forest Products Ltd., 1999.
84. Post-Layout Terrain Stability Assessment, Phinney Creek, Proposed Cutblock P632B; internal report prepared for Western Forest Products Ltd., 1999.

85. Road Deactivation Certification for the 1999 Clayton Falls Creek Watershed Restoration Program; Bella Coola area, B.C.; internal report for International Forest Products Ltd., 1999.
86. Road Prescription Certification for the 1999 McCall Flats Watershed Restoration Program; Bella Coola area, B.C.; internal report for International Forest Products Ltd., 1999.
87. Road Prescription Certification for the 1999 Noomst Creek Watershed Restoration Program; Bella Coola area, B.C.; internal report for International Forest Products Ltd., 1999.
88. Road Deactivation Certification for the 1999 Noosgulch River Watershed Restoration Program; Bella Coola area, B.C.; internal report for International Forest Products Ltd., 1999.
89. Terrain Stability Assessment of Cutblock 2 in the Owlhead Creek Area; internal report prepared for the Salmon Arm District of the B.C. Ministry of Forests, 1999.
90. Terrain Stability Assessment of Cutblock 2 in the Wilson Creek Area; Internal report prepared for the Salmon Arm District of the B.C. Ministry of Forests, 1999.
91. Historical Map and Air Photo Atlas of the Nooksack River Delta, June, 2000; internal report.
92. Proposed Work Plan for Monitoring of Nooksack River Delta Channels, prepared by M. Holter/G. Dunphy; internal report, 2000.
93. Field Observations Boulder Creek Bridge Replacement Site prepared by M.E. Holter; internal report, 2001.
94. Photo Monitoring of the Larson's Reach Engineered Log Jams on the South Fork Nooksack River, 2001; internal report.
95. Photo Monitoring of the Larson's Reach Engineered Log Jams on the South Fork Nooksack River, 2003; internal report.

Miscellaneous

96. The Oldman Lead-Zinc Occurrence, Southwestern Alberta; Bull. Of Canadian Petroleum Geology, Vol. 25, 1977. TN 873.C2A3

Coal

97. Estevan Coal Study by M.E. Holter, 1969.
98. Coal Seams of the Estevan Area, Saskatchewan; CIMM Bull., August 1972, also *in* Proceedings of the First Conference on Western Canadian Coal, 1972.
99. Geology of the Luscar (Blairmore) Coal Beds, Central Alberta Foothills (with G.B. Mellon); *in* Proceedings of the First Geological Conference on Western Canadian Coal, 1972.
100. Coal Analysis from Well Logs (with J. Kowalski); CIMM Bull., June, 1976, also AIME Paper SPE 5503, 1975.
101. Geology and Coal Resources of the Ardley Coal Zone of Central Alberta (with J.R. Yurko and M. Chu); Alberta Research Council Report 75-7, 1975. . Q21 .R42A3
102. Geology and Coal Resources of the Horseshoe Canyon Formation of Central Alberta (with M. Chu and J.R. Yurko); Alberta Research Council Open File Report 1976-16.
103. Geology and Coal Resources of Southeastern Alberta by M.E. Holter and M. Chu; Alberta Research Council, 1977.
104. Coal Quality Report for the Highvale Mine, Alberta; prepared for Calgary Power Ltd., 1978.
105. Evaluation of Sodium Oxide and Potassium Oxide Contents of Coal Ash from the Keephills Area of the Highvale Mine; prepared for Calgary Power Ltd., 1978.
106. Geology and Coal Resources of the Wapiti Formation of North Central Alberta by M. Chu; Alberta Research Council, 1978.

107. Coal Subcrop Study for the Highvale Mine; prepared for Calgary Power Ltd., 1979.
108. Geological Monitoring of Test Burn Pit, Sheerness, Alberta; prepared for Alberta Power Ltd., 1979.
109. Evaluation of Coal Resources at the Proposed Site of the Alberta Power Ltd. Thermal Plant, Sheerness, Alberta; prepared for Alberta Power Ltd., 1979.
110. Judy Creek North Coal Reserves Coal Exploration Report; prepared for Esso Minerals Canada Ltd., 1978.
111. Geological Report for the Bukit Asam Mine, Indonesia; prepared for P.M. Batubara, 1979.
112. Surface Mining Evaluation, Point Aconi, Nova Scotia – Phase 2 (Geological Contributions); prepared for NOVACO, 1979.
113. A Coal Lease Evaluation Study for the South Horseshoe Canyon Coal Area; prepared for non-exclusive distribution, 1980.
 - 113-1. Map:** Depth to Base of Horseshoe Canyon Formation; South Horseshoe Canyon Coal Area.
 - 113-2. Map:** Testhole Control (South Sheet); South Horseshoe Canyon Coal Area.
 - 113-3. Map:** Testhole Control (Central Sheet); South Horseshoe Canyon Coal Area.
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114. Coal Quality Evaluation for the Sheerness Coal Field, Alberta; prepared for Alberta Power Ltd., 1980.
115. A Coal Quality Evaluation of the Blackfoot Coal Field, Alberta; prepared for Crows Nest Resources Ltd., 1981.
116. Geological Evaluation of the Buffalo Hill Coal Deposit, Alberta; prepared for Seagull Resources Ltd., 1981.
117. Evaluation of a PanCanadian Coal Property, South Central Alberta; prepared for Gulf Canada Resources Inc., 1981.
118. An Evaluation of Alberta Foothills Coal Properties; prepared for Gulf Canada Resources Inc., 1981.
119. Ardley Coal Land Sale Evaluation; prepared for non-exclusive distribution, 1981.

120. A Drilling Report on the 1981 Lynx Creek Coal Exploration Program; prepared for Home Oil Company Limited, December 1981.
121. Drilling Report for the CU Resources Ltd. Coal Exploration Program, Central Alberta; February 1981.
122. Drilling Report for the 1981 Coal Exploration Program Buffalo Hill Area; prepared for Seagull Resources Ltd., May 1981.
123. Drilling Report for the 1981 Coal Exploration Program Chip Lake Area; prepared for Norcan Energy Resources Ltd., July 1981.
124. Ardley Land Evaluation; prepared for Gulf Canada Resources Inc., August 1981.
125. Evaluation Records for Testhole 81-17, Buffalo Hill Area; prepared for Seagull Resources Ltd., September 1981.
126. Evaluation Report for CU Resources Coal Properties, Central Alberta, 1981.
127. An Evaluation Review of the Grassy Mountain Coal Property; prepared for Gulf Canada Resources Inc., June 1981.
128. Geological Evaluation of the Lynx Creek Coal Deposit, South West Alberta Foothills; prepared for Home Oil Company Limited, 1981.
129. A Report on the Buffalo Hill East Study Area; prepared for Seagull Resources Ltd., May 1981.
130. Coal Gas Testing Program, Buffalo Hill Coal Deposit; prepared for Seagull Resources Ltd., 1982.
131. An Evaluation of HudBay Coal Properties, Drumheller Area, Alberta; prepared for TransAlta Utilities Corporation, 1982.
132. Field Activities Report for the 1982 Buffalo Hill Program; prepared for Seagull Resources Ltd. by: Minco Consultants Ltd., October 1982.
133. Geological Evaluation of the Three Hills Coal Deposit, Alberta; prepared for CU Resources Ltd., 1982.
134. Geology, Coal Quality, and Reserves of the Buffalo Hill Coal Deposit, Alberta; prepared for Seagull Resources Ltd., 1982.

135. Hydrogeological Evaluation of the Buffalo Hill Coal Deposit 1982; prepared for Seagull Resources Ltd. by Minco Consultants Ltd. and Campbell Geoscience Ltd., November 1982.
136. Interim Report on the 1982 Buffalo Hill Coal Evaluation Program; prepared for Seagull Resources Ltd., May 1982.
137. Northwest Buffalo Hill Coal Evaluation 1982; prepared for Seagull Resources Ltd., August 1982.
138. Suggested Outline for a Mine Feasibility Study, Buffalo Hill Coal Deposit; prepared for Seagull Resources Ltd., November 1982.
139. Ardley Coal Resources of the Red Deer Area, Alberta; prepared for TransAlta Utilities Corporation, 1983.
140. Geological Evaluation of the Mount Klappan Coal Project; prepared for Canadian Utilities Limited by: Minco Consultants Ltd., April 1983.
141. A Revised Coal Resource Evaluation for the McLeod River Area; prepared for Altex Resources Ltd. By: Minco Consultants Ltd., February 1983.
142. An Appraisal of the Bengkulu Coal Showings: Sumatra, Indonesia; internal study prepared for Peter Bawden Drilling Ltd., 1987.
143. The Origins, Characteristics, and Beneficiation of Sulfur-Bearing Coals; internal study prepared for the British Columbia Ministry of energy, Mines and Petroleum Resources, 1988.
144. British Columbia Coal Specifications; an information brochure prepared for the British Columbia Ministry of Energy, Mines and Petroleum Resources, 1988.
145. Coal Quality Study of the Magnolia Deposit, Alberta, Technical Report (Vol. 1); internal study prepared for Westmin Resources Limited, 1993.
146. Coal Quality Study of the Magnolia Deposit, Alberta, Project Data (Vol. 2); internal study prepared for Westmin Resources Limited, 1993
147. Coal Quality Study of the Magnolia Deposit, Alberta, Operational Report (Vol. 3); internal study prepared for Westmin Resources Limited, 1993

Oil and Gas

148. An Evaluation of Dome Petroleum Ltd. Mineral Title Lands, Alberta; prepared for TransAlta Utilities Corporation, 1982.
149. An Evaluation of the Oil and Gas Potential of Central California; prepared for Torhjem Oil Corporation, July, 1982.
150. Oil and Gas Potential of the Kinuso Area, Alberta; prepared for Interstate Resources Inc., 1982.
151. Oil and Gas Potential of the St. Albert Area, Alberta; prepared for Interstate Resources Inc., 1982.
152. Geology and Hydrocarbon Occurrences of Devonian and Lower Paleozoic Strata; Southeastern Saskatchewan, Northwestern North Dakota, and Northeastern Montana; prepared for non-exclusive distribution, 1985.
 - 152-1.** Geology and Hydrocarbon Occurrences of Devonian and Lower Paleozoic Strata; Southeastern Saskatchewan, Northwestern North Dakota, Northeastern Montana; Stratigraphic Correlation Table; prepared for non-exclusive distribution, 1985
 - 152-2 .** Geology and Hydrocarbon Occurrences of Devonian and Lower Paleozoic Strata; Southeastern Saskatchewan, Northwestern North Dakota, Northeastern Montana; Appendix A (1 of 2); prepared for non-exclusive distribution, 1985
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153. A Geological Study of the North Cactus Lake Heavy Oil Pool – A Review of Parameters Relevant to Sand Control Problems; University of Regina, Energy Research Unit Contribution No. 106, 1985.

154. Geology and Hydrocarbon Occurrences of Paleozoic Strata, Southern Alberta and North Central Montana; prepared for non-exclusive distribution, 1986.

154-1. Study Particulars; Geology and Hydrocarbon Occurrences of Paleozoic Strata, Southern Alberta and North Central Montana; prepared for non-exclusive distribution, 1986.

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