

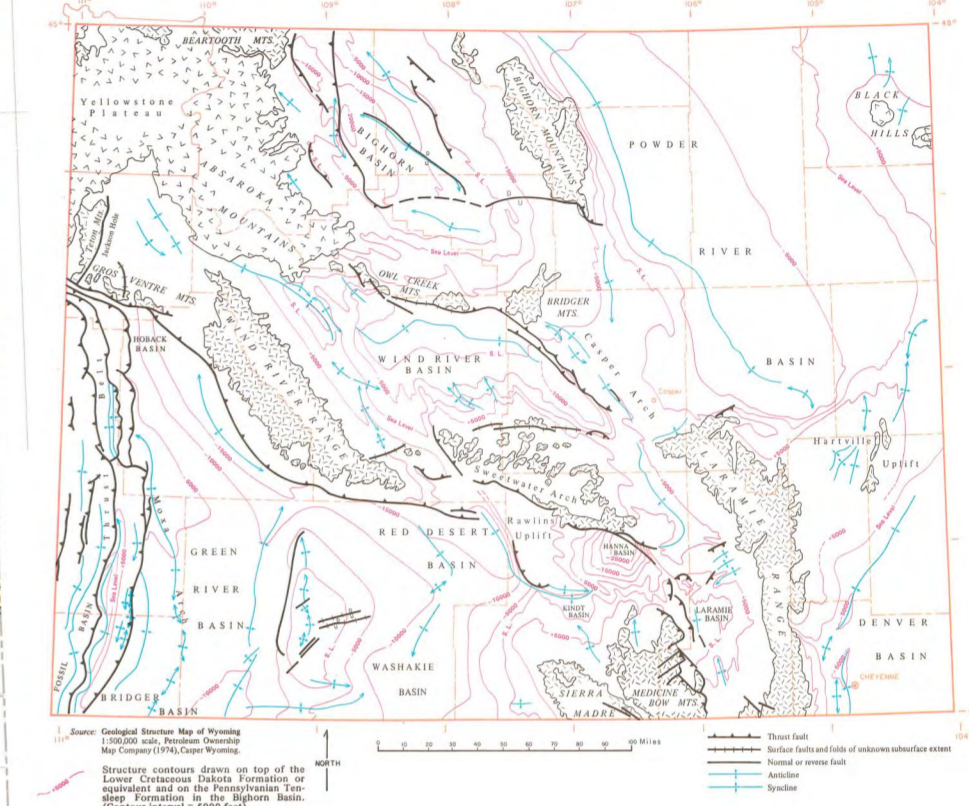


WYOMING MINES AND MINERALS 1979

Compiled by W. Dan Hausel, Gary B. Glass, David R. Lageson,
Alan J. Ver Ploeg, and Rodney H. De Bruin

SCALE 1:500,000
1 inch equals approximately 8 miles

STRUCTURAL INDEX MAP



EXPLANATION

- | | |
|--|--|
| | ANORTHOSITE COMPLEX
Predominantly Precambrian anorthositic (high alumina) rocks. Includes layers of anorthositic, mafic anorthositic, feldspathic mafic, and mafic anorthositic. |
| | BENTONITE-BEARING STRATA
Includes the Carboniferous, Permian, Bighorn, Frontier, Newcastle, Hilliard, and Aspen Formations.
Bentonite mine
* (operator, mine name) (A)(L)(F)
X Abandoned |
| | COAL-BEARING STRATA
Includes coal-bearing rocks of the Lower Carboniferous, Permian, Bighorn, Frontier, Newcastle, Hilliard, and Aspen Formations. Includes the Carboniferous, Permian, Bighorn, Frontier, Newcastle, Hilliard, and Aspen Formations. Includes the Carboniferous, Permian, Bighorn, Frontier, Newcastle, Hilliard, and Aspen Formations.
Coal mine
* (operator, mine name) (A)(L)(F)
X Abandoned |
| | GYPSUM-BEARING STRATA
Includes rocks of Permian age and the Permian Frontier, Newcastle, Hilliard, and Aspen Formations.
Gypsum mine
* (operator, mine name) (A)(L)(F)
X Abandoned |
| | LIMESTONE-BEARING STRATA
Includes rocks of Permian age and the Permian Frontier, Newcastle, Hilliard, and Aspen Formations.
Limestone quarry
* (operator, mine name) (A)(L)(F)
X Abandoned |
| | OIL SHALE
The outlined area depicts oil shale occurrence only; no implication as to quantity and quality of the resource in the Green River and Washakie basins (G.R.G.S. Prof. Paper 820, 1973). For further information concerning Wyoming's oil shale, contact the Geology Division, Wyoming Department of Energy and Environment, P.O. Box 100, Cheyenne, WY 82002. |
| | PHOSPHATE-BEARING STRATA
Includes phosphate-bearing rocks of the Permian Frontier Formation.
Phosphate plant (operator, mine name)
* (operator, mine name) (A)(L)(F)
X Abandoned |
| | URANIUM
Uranium occurrences are found in rocks of nearly every geological age in Wyoming. These occurrences include the Triassic, Permian, Carboniferous, Permian, Bighorn, Frontier, Newcastle, Hilliard, and Aspen Formations, including the Permian Frontier, Newcastle, Hilliard, and Aspen Formations. Includes the Carboniferous, Permian, Bighorn, Frontier, Newcastle, Hilliard, and Aspen Formations.
Uranium mine
* (operator, mine name) (A)(L)(F)
X Abandoned |
| | PRECAMBRIAN ROCKS
UNDIFFERENTIATED PRECAMBRIAN ROCKS EXPOSED AT THE SURFACE. |

MISCELLANEOUS MINERAL OCCURRENCES AND SYMBOLS

Miscellaneous mineral occurrences are noted as follows:
 * Mineral occurrence as noted on the map
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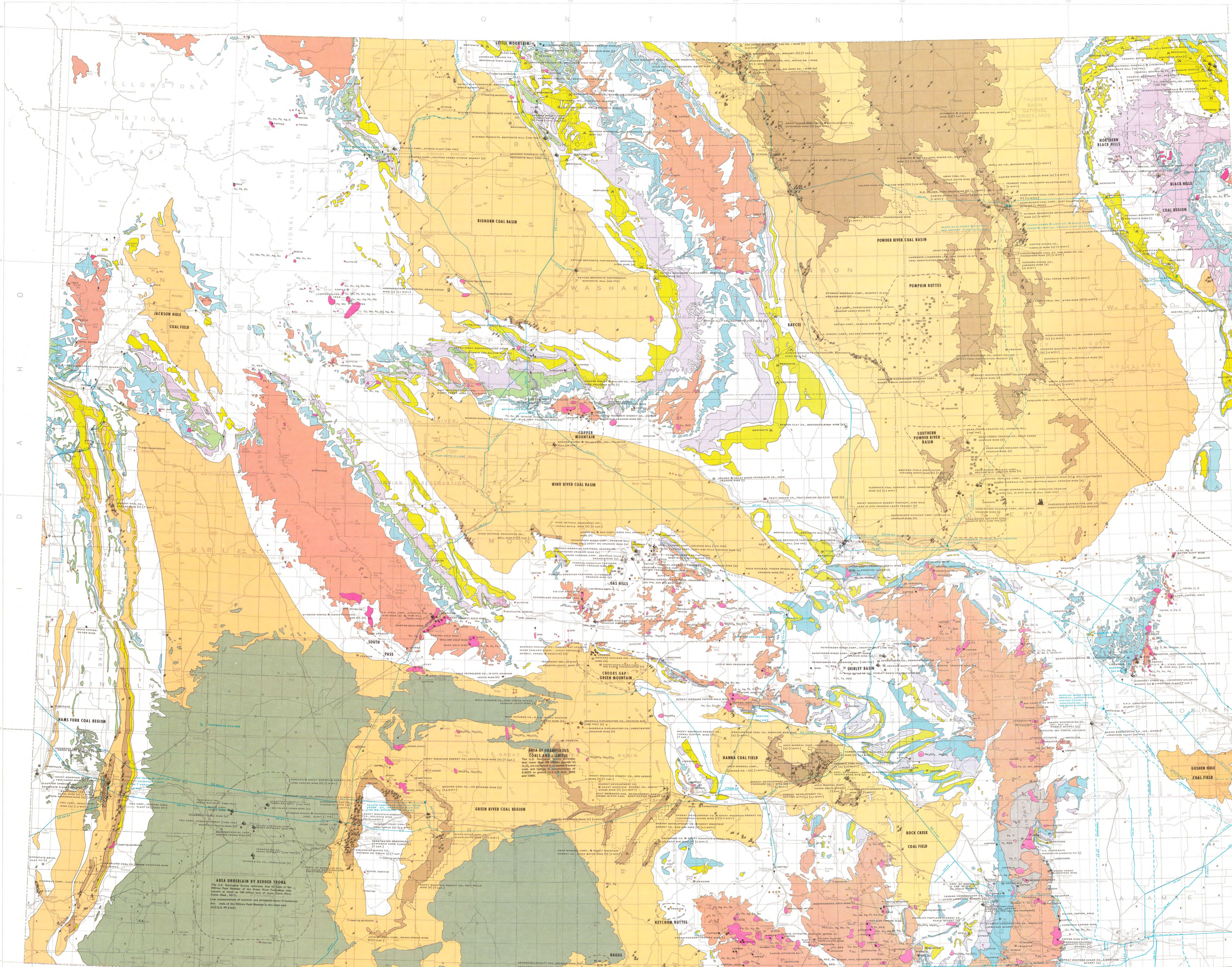
GEOTHERMAL SPRINGS

Spring with water above mean annual surface temperature, and associated tectonic deposits.

SYMBOLS AND ABBREVIATIONS

Ag = Silver	Cu = Copper	Ni = Nickel	U = Uranium
As = Arsenic	F = Fluorine	Pb = Lead	V = Vanadium
Au = Gold	Fe = Iron	Pt = Platinum	W = Tungsten
Ba = Barium	Li = Lithium	Pa = Protactinium	Zn = Zinc
Be = Beryllium	MgO ₂ = Magnesium sulfate	Rb = Rubidium	
Bi = Bismuth	Mg = Magnesium	Sr = Strontium	
Br = Bromine	Na ₂ CO ₃ = Sodium carbonate	Tl = Thallium	
Ca = Calcium	Na ₂ SO ₄ = Sodium sulfate	Tm = Thulium	
Cl = Chlorine		Y = Yttrium	

* Mine with active mining permits on file with Wyoming Department of Environmental Quality but no known plans to resume or start mining within the near future.



This map is modified from U.S. Geological Survey 1966 Edition.

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Information on mineral occurrences and mine posted through November 1, 1978.

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