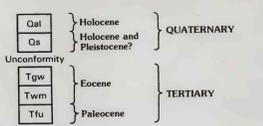


EXPLANATION OF RESOURCE POTENTIAL

- [The study area contains identified resources of sand]
- H/C** Geologic terrane having high resource potential for coal, with certainty level C
 - M/B** Geologic terrane having moderate resource potential for oil shale, with certainty level B
 - L/B** Geologic terrane having low resource potential for natural gas with certainty level B; low resource potential for oil with certainty level B, and low resource potential for claystone and shale, with certainty level C

CORRELATION OF MAP UNITS



DESCRIPTION OF MAP UNITS

- [Bedrock covered by surficial deposits is shown by stacked symbols]
- Qal** Alluvium (Holocene)—Mainly flood-plain and lacustrine deposits of sand
 - Qs** Dune sand (Holocene and Pleistocene?)—Active and stable dunes
 - Tgw** Green River and Wasatch Formations (Eocene)—Mainly sandstone, mudstone, shale, and oil shale of lacustrine and fluvial origin; 400-600 ft thick
 - Twm** Main body of Wasatch Formation (Eocene)—Largely sandstone and mudstone of fluvial origin; 2,000-3,000 ft thick
 - Tfu** Fort Union Formation (Paleocene)—Sandstone, siltstone, shale, and coal of fluvial and paludal origin; 1,300-1,400 ft thick
- Contact—Approximately located; dotted where concealed
 - U — Normal fault—Approximately located; U, upthrown side; D, downthrown side
 - ▲— Thrust fault—Approximately located; smooth on upper plate
 - Strike and dip of inclined beds
 - Exposure of coal bed—Number shows thickness of coal, in inches
 - Surface opening to coal bed—Number shows thickness of coal, in inches
 - Sample locality and number for dune sand
 - ▲ Sample locality and number for claystone and shale
 - + Sample locality for oil shale—Southwest and east of study area

LEVEL OF RESOURCE POTENTIAL	H/A	H/B	H/C	H/D
	M/B	M/C	M/D	
	L/B	L/C	L/D	
	U	N		
	A	B	C	D
	LEVEL OF CERTAINTY			

- LEVELS OF RESOURCE POTENTIAL
- H** High mineral resource potential
 - M** Moderate mineral resource potential
 - L** Low mineral resource potential
 - U** Unknown mineral resource potential
 - N** No known mineral resource potential
- LEVELS OF CERTAINTY
- A** Available data not adequate
 - B** Data indicate geologic environment and suggest level of resource potential
 - C** Data indicate geologic environment, give good indication of level of resource potential but do not establish activity of resource-forming processes
 - D** Data clearly define geologic environment and level of resource potential and indicate activity of resource-forming processes in all or part of the area
- Diagram showing relationships between levels of mineral resource potential and levels of certainty. Shading shows levels that apply to this study area

Base from U.S. Geological Survey Bores Tusk, unretired advance print, 1986; Phoenixville Spring, 1969; Dove Spring, unretired advance print, 1988; White Rock, 1988

SCALE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1968

SCALE 1:24 000
1 1/2 0 1 MILE
1 0 1 KILOMETER
CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

WYOMING

MINERAL RESOURCE POTENTIAL MAP OF THE SAND DUNES WILDERNESS STUDY AREA,
SWEETWATER COUNTY, WYOMING