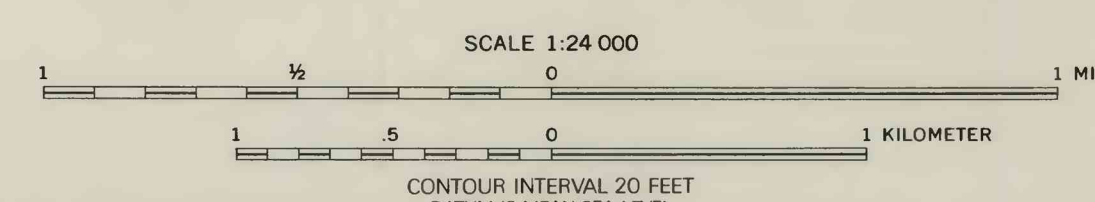


108°55'00"
44°22'30"
Base from U.S. Geological Survey
Corbett Dam, Stone Barn Camp, Gilmore Hill,
Vication, Ralston, and Gilmore Hill NW
7.5 minute quadrangles



WYOMING

Geology mapped by Donald G. Hadley and
K.E. Malsued
108°42'30"
44°22'30"

EXPLANATION OF MINERAL RESOURCE POTENTIAL

H/C Geologic terrane having high resource potential for gas in low-permeability Cretaceous and Tertiary rocks, with certainty level C, and for paleontological resources in the Willowood Formation, with certainty level C—Applies to entire study area

M/C Geologic terrane having moderate resource potential for gas in porous and permeable Cretaceous and Tertiary rocks, with certainty level C—Applies to northwest part of study area

L/C Geologic terrane having low resource potential, with certainty level C, for metals; for sand and gravel, bentonite, and glass sand; for oil and geothermal sources; and for gas in Paleozoic, lower Mesozoic, and porous and permeable Cretaceous and Tertiary rocks—Applies to entire study area except for gas in porous and permeable Cretaceous and Tertiary rocks in area marked M/C

Area underlain by measured and indicated subbituminous coal resources

CORRELATION OF MAP UNITS

Ql	Quaternary
Qa	
Gp	
Tw	Tertiary
Thu	
Mm	Mississippian

LIST OF MAP UNITS

Ql Landslide deposit (Quaternary)—Failed Willowood Formation

Qa Alluvial terraces (Quaternary)—Developed along ancestral Shoshone River

Gp Pediment surfaces (Quaternary)

Tw Willowood Formation (Tertiary)

Thu Fort Union Formation (Tertiary)

Mm Madison Limestone (Mississippian)

Unpaved road

Paved road

Trail

Stream

Power line

Syncline—Arrows show dip

Anticline, shallow plunge—Arrows show dip and direction of plunge

Detachment fault—Sawtooth on upper plate

Contact

Contact, generalized

Strike and dip of bedding, inclined

Strike and dip of bedding, horizontal

Azimuth of paleocurrent measurement

Coal prospect

Stream sediment and rock geochemical sample locality and number

Rock, thin-section, and geologic data sample locality from mapping field stations (number)

Measured outcrop section (dashed where offset)

LEVEL OF RESOURCE POTENTIAL	U/A	H/B	M/C	H/D
	UNKNOWN POTENTIAL	HIGH POTENTIAL	MODERATE POTENTIAL	HIGH POTENTIAL
LEVEL OF CERTAINTY	L/B	M/C	M/D	N/D
	LOW POTENTIAL	MODERATE POTENTIAL	MODERATE POTENTIAL	NO POTENTIAL

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

MINERAL RESOURCE POTENTIAL, GEOLOGIC, AND SAMPLE LOCALITY MAP OF THE McCULLOUGH PEAKS WILDERNESS STUDY AREA, PARK COUNTY, WYOMING