GEOLOGIC MAP OF BLACK MESA, ARIZONA

Scale 1: 500,000
1" = 8 miles

10 0 10 20 miles

Sources of Information

Cooley, M.E. and others, 1969
Regional hydrogeology of the Navajo and Hopi Indian Reservations, Arizona, New Mexico and Utah: U.S. Geological Survey Professional Paper 521-A

Wilson, E.D. and others, 1969
Geologic Map of Arizona: Arizona Bureau of Mines and U.S. Geological Survey

EXPLANATION

TERTIARY

Tvs — Volcanics and Sediments

UNCONFORMITY

CRETACEOUS — Mesaverde Group

Ky — Yale Point Sandstone

Kw — Wepo Formation

Kt — Toreva Formation

Km — Mancos Shale

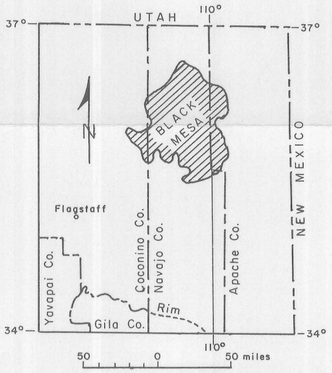
Kd — Dakota Sandstone

UNCONFORMITY

JURASSIC

Jm — Morrison Formation

Jsr — San Rafael Group



LOCATION INDEX

List of Coal Mines

1 Coal Mine Canyon or Tuba City #3
2 Steamboat
3 Chinle #1
4 Montezuma
5 Keams Canyon
6 Chinle #2
7 Oraibi
8 Maloney or Kayenta #2
9 Kayenta #1
10 Cow Springs or Tuba City #4