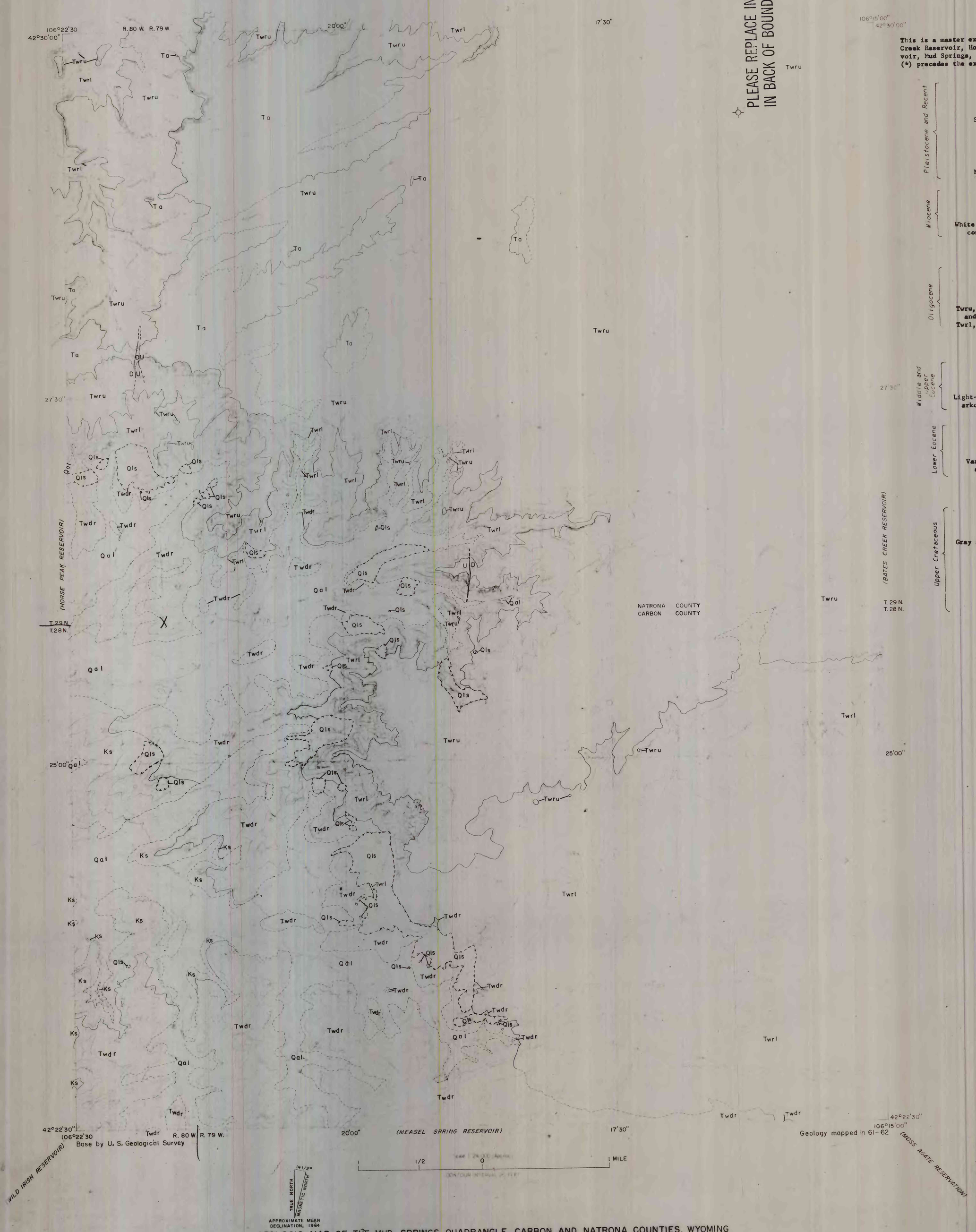
OPEN FILE
1964

OFR 64-70



EXPLANATION

This is a master explanation for open-file geologic maps of the Bates Creek Reservoir, Horse Peak, Measel Spring Reservoir, Moss Agate Reservoir, Mud Springs, and Wild Irish Reservoir quadrangles. An asterisk (*) precedes the explanation for symbols not present in this quadrangle.

QUATERNARY

Pleistocene and Recent

Qal
Alluvium
Stream alluvium and terrace gravels

Qls
Landslide material
May be in part late Tertiary in age

TERTIARY

Miocene

Ta
Arikaree Formation
White tuffaceous sandstone, claystone, arkosic conglomerate, and fresh-water limestone

UNCONFORMITY

Oligocene

Twru
Twrl
White River Formation
Twru, upper member, interbedded tan siltstone and conglomerate.
Twrl, lower member, tan tuffaceous siltstone

Middle and Upper Eocene

Tcs
*Claystone and sandstone
Light-green silicified bentonitic claystone and arkosic sandstone. May be basal White River

Lower Eocene

Twdr
Wind River Formation
Variegated siltstone and claystone, and gray sandstone; locally conglomeratic at base

UNCONFORMITY

CRETACEOUS

Upper Cretaceous

Ks
Steele Shale
Gray soft shale; thin lenticular sandstone beds near top

Kn
*Niobrara Formation
Gray limy shale and shaly limestone

Contact
Dashed where approximately located

High-angle fault
Dashed where approximately located. U, upthrown side; D, downthrown side

Landslide area

*Strike and dip of beds

Dry test hole

This map is preliminary and has not been edited or reviewed for conformity with U. S. Geological Survey standards and nomenclature.

GEOLOGIC MAP OF THE MUD SPRINGS QUADRANGLE, CARBON AND NATRONA COUNTIES, WYOMING

By

E. N. Harshman