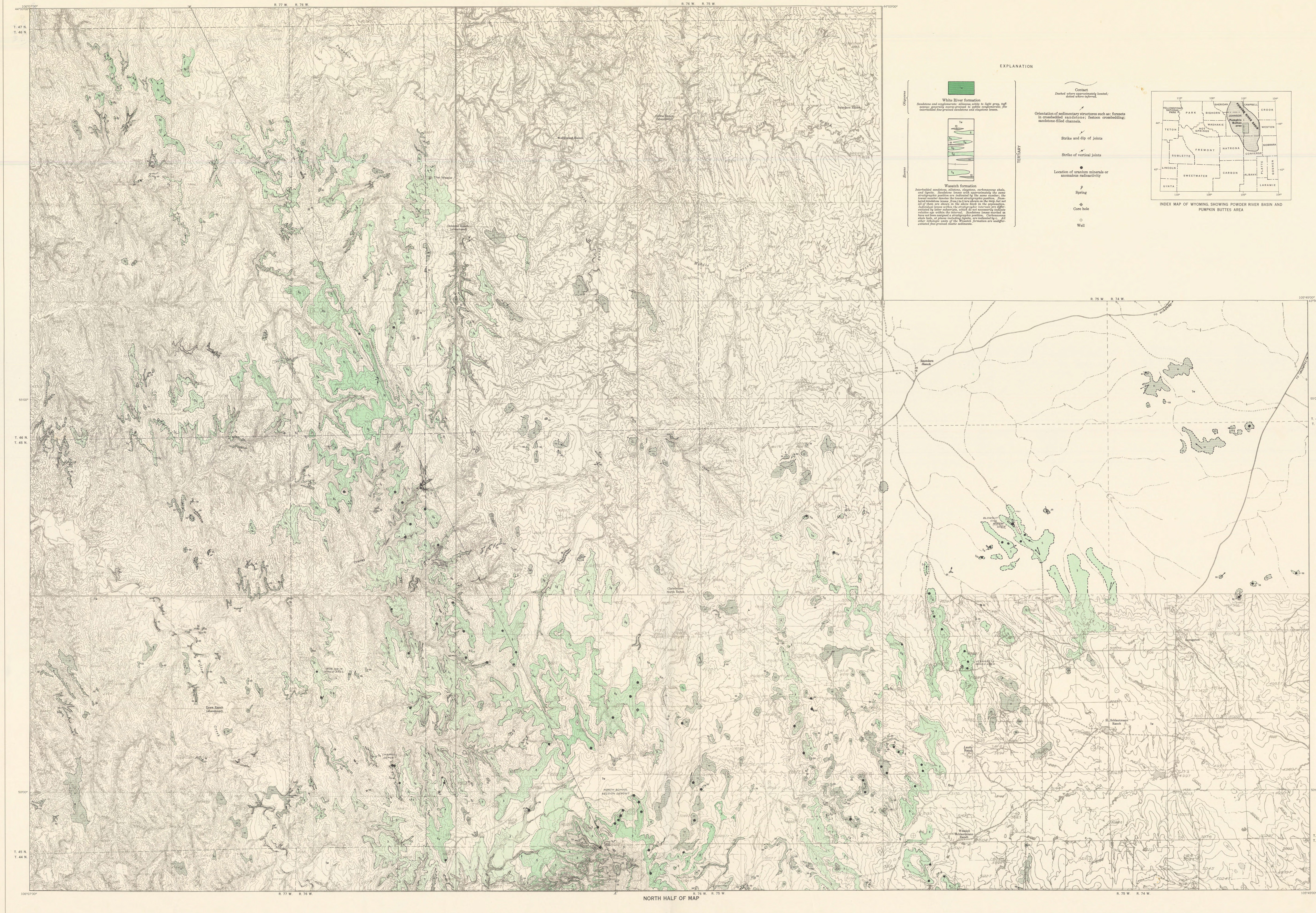
MF-98 (200) Sheet 1 c.1

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
U. S. ATOMIC ENERGY COMMISSION

MINERAL INVESTIGATIONS
FIELD STUDIES MAP MF 98
SHEET 1 OF 3



EXPLANATION

White River formation
Sandstone and conglomerate: siliceous, white to light gray, tuffaceous; generally coarse-grained to pebble conglomerate; few interbedded fine-grained sandstone and claystone lenses.

Wasatch formation
Interbedded sandstone, siltstone, claystone, carbonaceous shale, and lignite. Sandstone lenses with approximately the same stratigraphic position are indicated by the same number; the lowest number denotes the lowest stratigraphic position. Numbered sandstone lenses from 1 to 11 are shown on the map, but not all of them are shown in the above block in the explanation. Individual lenses within the stratigraphic intervals are differentiated by letter subscripts, which do not necessarily indicate relative age within the interval. Sandstone lenses marked ss *have not been assigned a stratigraphic position. Carbonaceous shale beds, at places including lignite, are indicated by* c. *All other lithologic units of the Wasatch formation are undifferentiated fine-grained clastic sediments.*

Contact
Dashed where approximately located; dotted where inferred.

Orientation of sedimentary structures such as: foresets in crossbedded sandstone; festoon crossbedding; sandstone-filled channels.

Strike and dip of joints

Strike of vertical joints

● Location of uranium minerals or anomalous radioactivity

Spring

Core hole

○ Well

INDEX MAP OF WYOMING, SHOWING POWDER RIVER BASIN AND PUMPKIN BUTTES AREA

NORTH HALF OF MAP

Topographic base map is from U. S. Geological Survey preliminary 7½-minute quadrangles. Planimetric part of map in northeast corner was made by radial line plot from aerial photographs.

TRUE NORTH
MAGNETIC NORTH
15°
APPROXIMATE MEAN DECLINATION, 1957

PRELIMINARY GEOLOGIC MAP OF THE PUMPKIN BUTTES AREA, CAMPBELL AND JOHNSON COUNTIES, WYOMING, SHOWING LOCATION OF URANIUM OCCURRENCES

By
W. N. Sharp and A. M. White

Scale 1:24 000
1 ½ 0 1 Mile
Contour interval 20 feet
Datum is mean sea level

1957

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—MR-3460

Geology mapped by M. L. Troyer, S. R. Wallace, P. E. Soister, E. J. McKay, and T. Scott, 1952; and by W. N. Sharp, E. J. McKay, F. A. McKeown, P. E. Soister, and A. M. White, 1953–1955.

Wyoming (Pumpkin Buttes area). Geol. 1:24,000. 1957.
sheet 1, ~~2, 3,~~ attached.
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