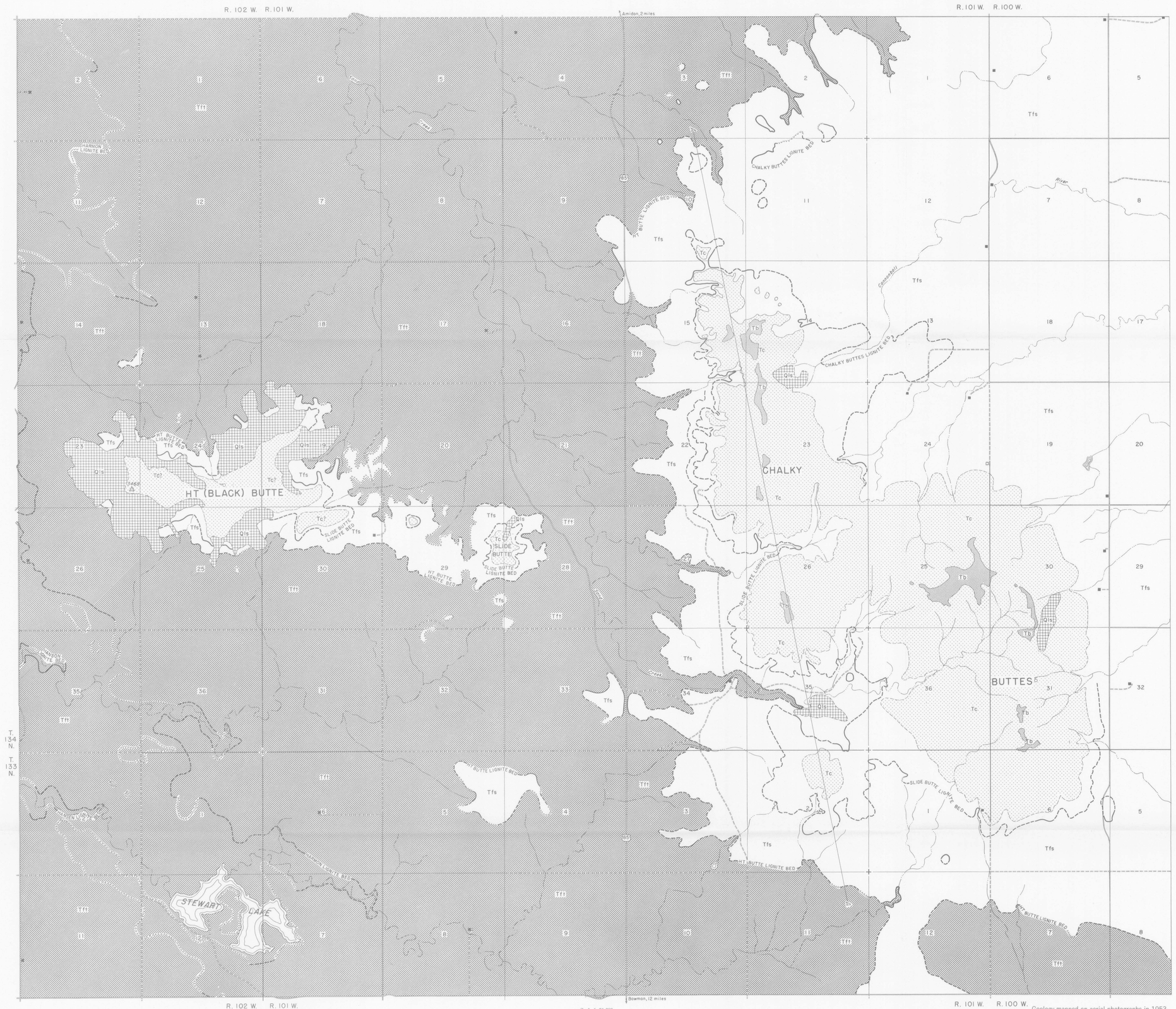
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY
W. E. WRATHER, DIRECTOR

THIS MAP CONCERNS WORK DONE ON BEHALF OF THE U. S. ATOMIC ENERGY COMMISSION
AND IS PUBLISHED WITH PERMISSION OF THE COMMISSION



Base compiled from Bureau of Land Management Plats

Geology mapped on aerial photographs in 1953
by G. W. Moore, R. E. Melin, and R. C. Kepferle.

EXPLANATION

Pleistocene and Recent — QUATERNARY

Qls — Landslide material

Oligocene, White River group — Tb — Brule formation

Tc — Chadron formation

Paleocene — TERTIARY

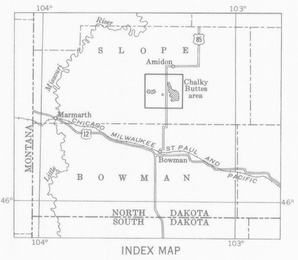
Tfs — Ttf — Fort Union formation
Sentinel Butte member, Tfs;
Tongue River member, Ttf.

Contact
Dashed where approximately located.

0.008 — Lignite bed
Dashed where approximately located.
Figures in section indicate uranium content in percent.

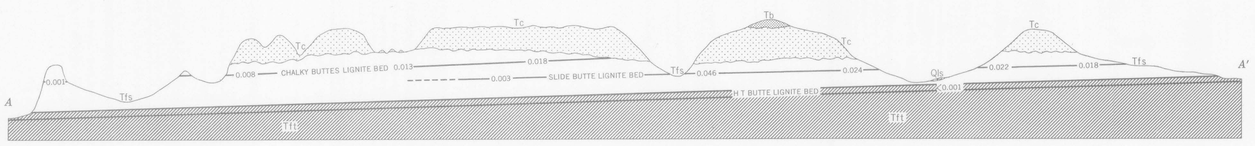
Clinker

A——A′ Line of cross section.



INDEX MAP

APPROXIMATE MEAN DECLINATION, 1956



DIAGRAMMATIC SECTION ALONG LINE A-A′

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C. MR 1745

PRELIMINARY GEOLOGIC MAP OF THE CHALKY BUTTES AREA, SLOPE COUNTY, NORTH DAKOTA

By
G. W. Moore, R. E. Melin, and R. C. Kepferle

1956

For sale by U. S. Geological Survey, price 50 cents