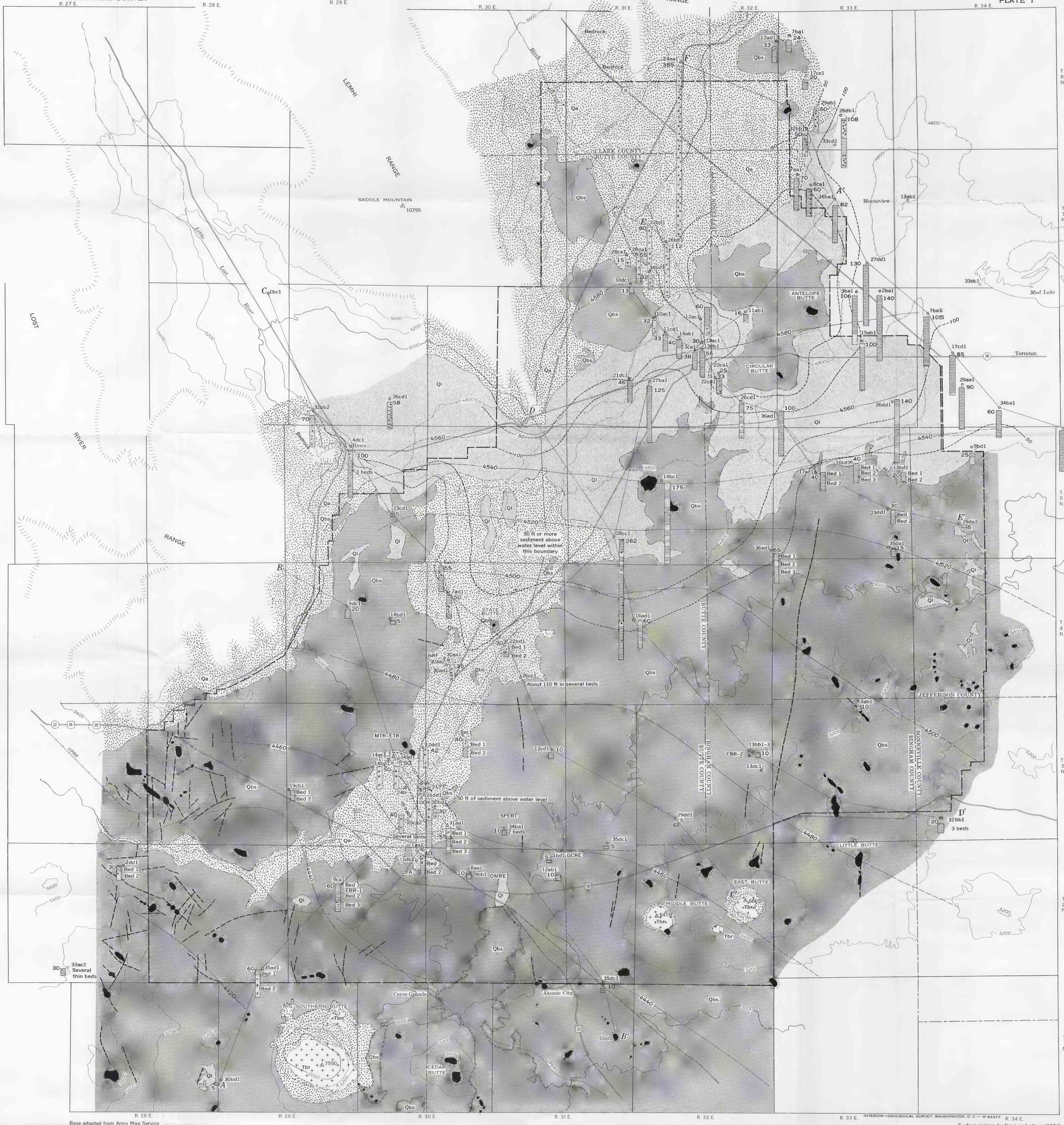

Base adapted from Army Map Service 1:250,000 scale maps

Surface geology by Nace and others (1956) and by E. H. Walker

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—W 63377

GEOLOGIC MAP OF THE NATIONAL REACTOR TESTING STATION, IDAHO

N

SCALE 1:125 000

2 0 2 4 6 8 10 MILES

2 0 2 4 6 8 10 KILOMETERS

CONTOUR INTERVAL 200 FEET
DATUM IS MEAN SEA LEVEL

EXPLANATION

SEDIMENTS

QUATERNARY

Pleistocene and Recent

Ql — Lacustrine deposits
Fine-grained sand, and silt and clay, deposited in lakes and small depressions

Qa — Alluvium
Sand and gravel of alluvial fans and stream channels

IGNEOUS ROCKS

Qbs — Basaltic lavas of Snake River Group and principal craters or vents

TERTIARY

Tbr — Basaltic lavas of Middle Butte, rhyolitic extrusives of East Butte and Big Southern Butte

Approximate geologic contact

Cracks or faults

A——A′ Line of section; see plate 2

---50--- Thickness of sediment above water level

——4500—— Water-level contours, October, 1959
Dashed where approximately located. Datum is mean sea level

○ 8ac1 Well and number

Recent flows of basalt

Reactor test site boundary

Explanation for columnar diagrams

150 — Total thickness of sediment above water level, in feet
100 — Sand and gravel
50 — Dominantly silt with some fine-grained sand, and clay
0

Sedimentary sections are continuous except where 2 or more beds noted