U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

OPEN-FILE REPORT 00-176
(accompanies pamphlet) PLATE 1

GEOLOGIC SURFACE EFFECTS OF UNDERGROUND NUCLEAR TESTING, YUCCA FLAT, NEVADA TEST SITE, NEVADA

By
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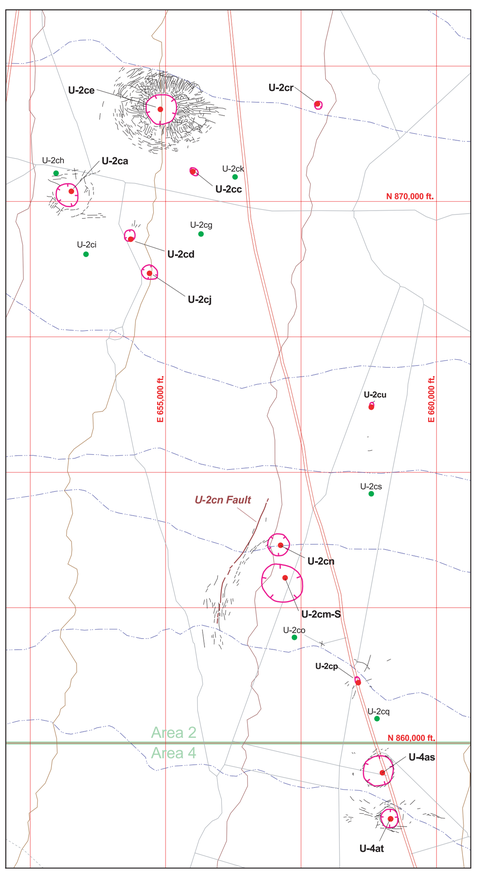
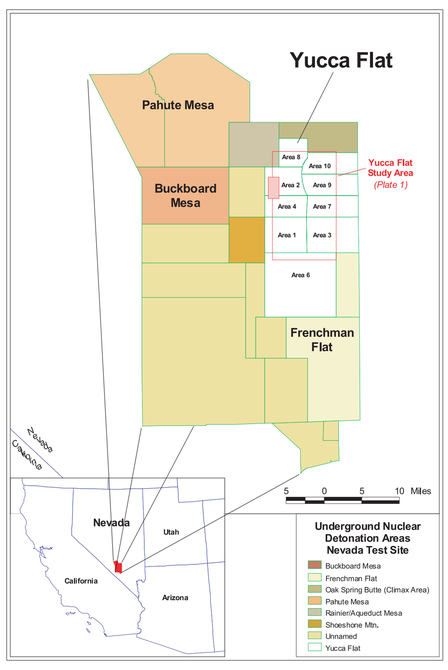
2000

Sites in Areas 2 and 4 near West Boundary of Yucca Flat



INDEX MAP



EXPLANATION

Underground Nuclear Detonation Sites

- Site Mapped for Surface Effects *(Surface effects present)*
- Site Mapped for Surface Effects *(Surface effects not present)*
- Site Not Mapped

Geologic Surface Effects

- Surface crack (or fracture)
- Collapse sink (or crater)
- Pressure ridge
- Fault, vertical displacement *(Bar and ball on downthrown side, displacement in centimeters)*
- Fault, lateral displacement *(Arrows indicate direction of relative motion)*
- Fault, thrust displacement *(Arrows indicate direction of relative motion)*
- Carpetbag Fault *(Bar and ball on downthrown side, displacement in centimeters)*
- Yucca Fault *(Bar and ball on downthrown side, displacement in centimeters)*
- Dashed lines--all features *(A dashed line indicates inferred or approximately located surface effects; line colors as above)*

Roads and Trails

- Road, primary and secondary
- Road, unpaved
- Trail (4wd)

Hydrology

- Intermittent Stream
- Wash or Ephemeral Drain
- Lake or Pond, dry
- Wash or Ephemeral Drain

Topographic Contours

- Index contour *(50-meter contour interval)*
- Intermediate contour *(50-meter contour interval)*
- Auxiliary contour *(10-meter contour interval)*

2000 0 2000 4000 Feet

Map Scale: 1:15,840; 1 inch equals 1/4 mile (1,320 feet)
Map Projection: Nevada State Plane, Central, in feet;
North America Datum 1927; 2,500-foot grid spacing

This map is preliminary and has not been reviewed for conformity with the U.S. Geological Survey editorial standards (or with the North American Stratigraphic Code). Any use of trade, product, or firm names is for descriptive purposes only and does not imply endorsement by the U.S. Government

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