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

OPEN-FILE REPORT 00-176
PLATE 1

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

By

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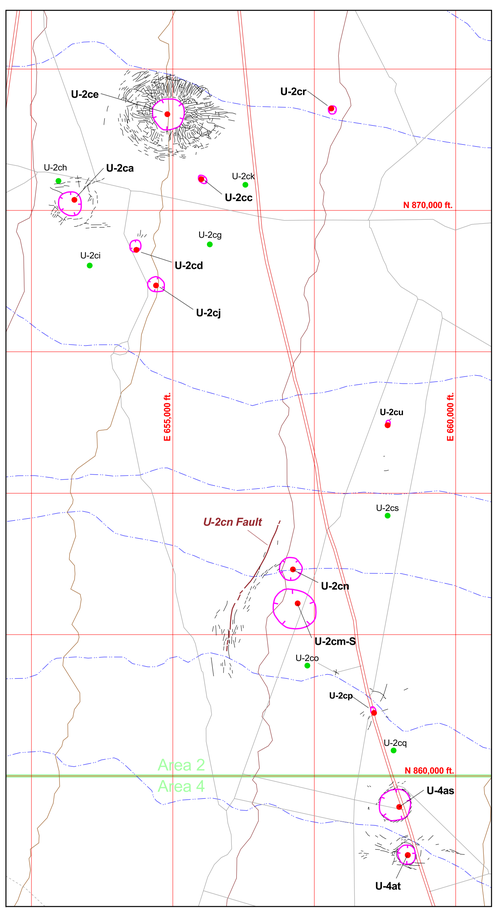
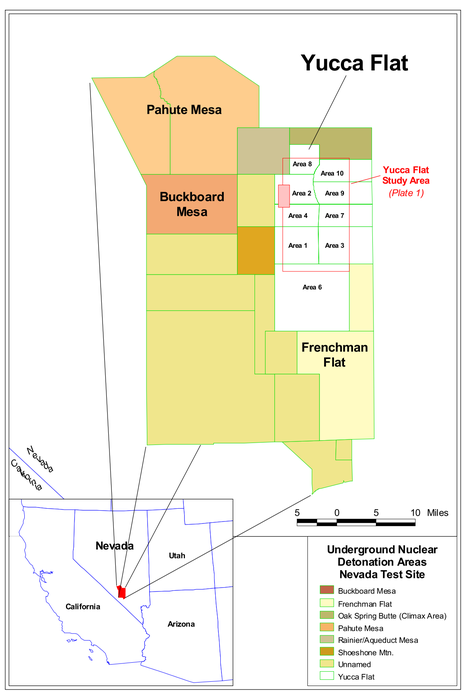
2000

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