GEOLOGIC MAP OF THE MOUND SPRING QUADRANGLE,
NYE AND CLARK COUNTIES, NEVADA, AND INYO COUNTY, CALIFORNIA

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2002

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Prepared in cooperation with the Nye County Nuclear Waste Repository Project Office

MISCELLANEOUS FIELD STUDIES MAP MF-2339
Version 1.0
Pamphlet accompanies map

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

Universal Transverse Mercator projection
Longitude of central meridian 111° 48’ 45”
Latitude of projection origin 0.0
North American Datum of 1927; 10,000-foot grid based on
Nevada central and east zones and California zone 4
1,000-meter grid ticks, zone 11

Geology mapped by Scott Lundstrom in 1997-98

Digital map layout by Bill Sowers
Preparation of GIS files for map layout by Nancy Shock
Edited by F. Craig Brunstein

Manuscript approved for publication September 16, 2002

Any use of trade names in this publication is for
descriptive purposes only and does not imply
LIST OF MAP UNITS

Gravelly alluvium

Qayy Youngest alluvium (Holocene)
Qay Young fan alluvium (Holocene and latest Pleistocene)
Qayo Older young alluvium (Holocene and latest Pleistocene)
Qai Intermediate fan alluvium (late and middle? Pleistocene)
Qau Undivided young and intermediate alluvium (Holocene and late Pleistocene)
QTa Gravelly basin-fill alluvium (early Pleistocene? to late Miocene)

Fine-grained deposits

Qd Dune sand (late Holocene)
Qpy Modern playa sediment (late Holocene)
Qfy Intermittently active fluvial fine-grained alluvium (late Holocene)
Qfo Older fine-grained deposits (Holocene?)
Qsy Youngest spring deposits (late Holocene)
Qse Unit E (Haynes, 1967; Quade, 1986)—Young fine-grained deposits associated with past ground-water discharge (early Holocene to latest Pleistocene)
Qscd Units C and D (Haynes, 1967; Quade, 1986)—Intermediate-age fine-grained deposits associated with past ground-water discharge (late Pleistocene)

Basin-fill of Browns Spring (Pleistocene)

Qby Upper part of basin-fill of Browns Spring (middle Pleistocene)
Qbw Middle white limestone of basin-fill of Browns Spring (middle Pleistocene)
Qbo Lower part of basin-fill of Browns Spring (early? and middle Pleistocene)
Qsu Undivided fine-grained deposits (Holocene and Pleistocene)

Contact—Solid where definitely located; dashed where approximately located
Fault—Ball and bar on downthrown side, arrows show relative sense of offset. Solid where definitely located; dashed where approximately located; dotted where concealed
Tension crack—in fine-grained sediments; lacking apparent offset
Gravity contour—Gravity anomaly data contoured at 1 mgal contour interval. Hachures on selected contours point toward lower anomaly values
Strike and dip of beds
Sample locality—Sites where geochronology samples were collected for uranium-series dating by James B. Paces (sample numbers starting with “MSQ”) and for thermoluminescence dating by Shannon A. Mahan (sample numbers starting with “LV”)