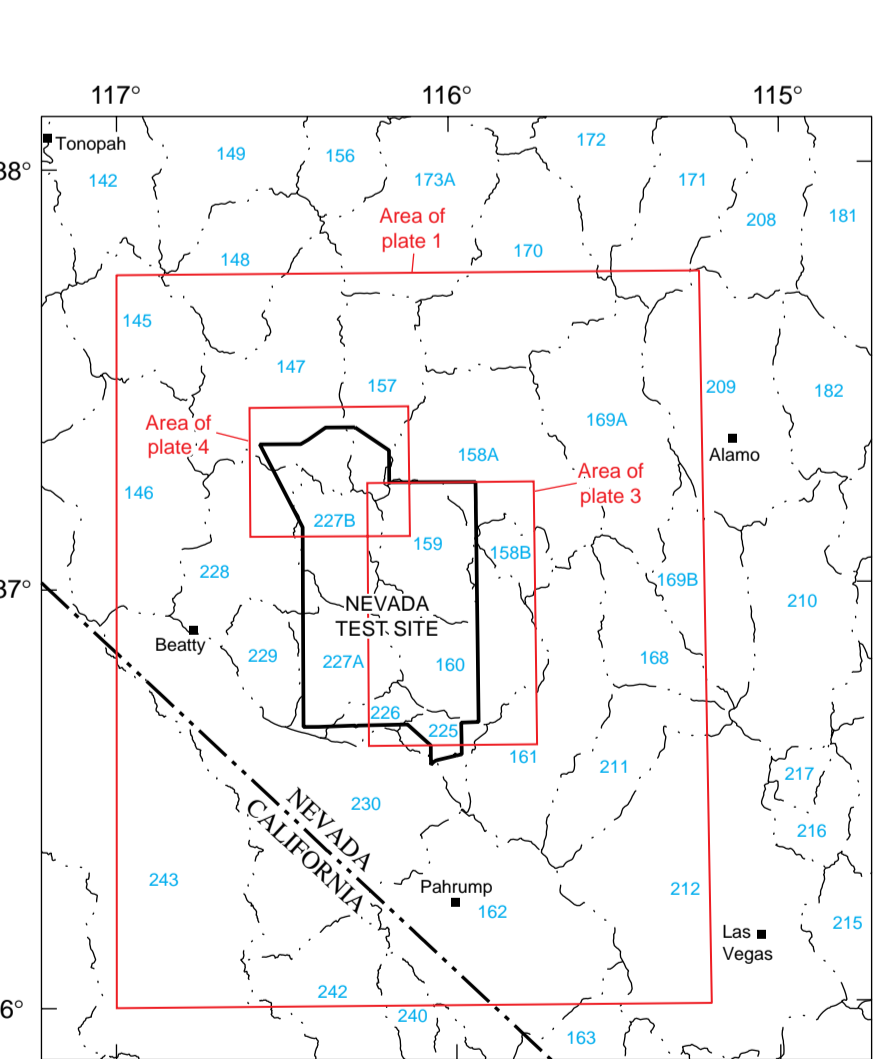


- EXPLANATION**
- Area of ground-water recharge—Delineated on basis of surface altitude and precipitation rate
 - Area of ground-water discharge—Delineated on basis of spring discharge and areas of evapotranspiration. Modified from Winograd and Thordarson (1975, plate 1) and Harill and others (1988, sheet 2)
 - Known distribution of Eleana and basement confining units at water table—Modified from Winograd and Thordarson (1975, plate 1). See table 1 for general description of units
 - Inferred fault-controlled barrier—Line approximates area where ground-water flow could be impeded by fault-related barrier. Modified from Blankenship and Weir (1973, plate 1) and Winograd and Thordarson (1975, plate 1)
 - 500- Water-level contour—Shows altitude of regional water level. Interval 500 feet. Datum is sea level. Modified from Waddell and others (1984, plate 3)
 - Ground-water subbasin boundary—Arrow indicates location and direction of lateral flow across boundary. Queried where uncertain. Modified from Waddell and others (1984, plate 3), and Winograd and Thordarson (1975, plate 1)
 - General direction of ground-water flow
 - A A' Line of section—Symbol identifies control point. Sections are shown on plate 2
 - Well or test hole



HA No.	Name	HA No.	Name
141	Alton Valley	172	Garden Valley
142	Alkali Spring Valley	173A	Rainbow Valley—Southern Part
144	Lisa Valley	181	By Lake Valley
145	Stonewall Flat	182	Delaney Valley
146	Sarcobatus Flat	208	Pahrump Valley
147	Gold Flat	209	Pahrump Valley
148	Cactus Flat	210	Crooke Spring Valley
149	Stone Cabin Valley	211	Three Lakes Valley—Southern Part
156	Hol Creek Valley	212	Las Vegas Valley
157	Kawich Valley	213	Black Mountain Area
158A	Croome Lake Valley	216	Gardner Valley
158B	Pahrump Lake Valley	217	Hidden Valley—North
159	Yucca Flat	225	Mercury Valley
160	Frenchman Flat	226	Rock Valley
161	Indian Springs Valley	227A	Jackass Flats
162	Pahrump Valley	227B	Buckboard Mesa
163	Messner Valley	228	Mercury Valley
164	Three Lakes Valley—Northern Part	229	Crater Flat
165B	Trappo Valley—Northern Part	230	Amargosa Desert
166B	Trappo Valley—Southern Part	240	Chicago Valley
170	Phenac Valley	242	Lower Amargosa Valley
171	Cool Valley	243	Death Valley

Hydrographic areas (HA) and area extent of plates 1, 3, and 4.

Based on U.S. Geological Survey digital data, 1:100,000, 1978-89. Universal Transverse Mercator projection, Zone 11. Shaded-relief base from 1:250,000-scale Digital Elevation Model; sun illumination from northwest at 30 degrees above horizon. 100,000-foot grid based on Nevada State Plane coordinate system, central zone.



MAP SHOWING MAJOR CONTROLS ON REGIONAL GROUND-WATER FLOW AT AND NEAR NEVADA TEST SITE, SOUTHERN NEVADA AND SOUTHEASTERN CALIFORNIA

by
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