

NOTE: AV = Lathrop Wells Intersection; BE = Beatty; DH = Devils Hole; DVJ = Death Valley junction; FC = Furnace Creek; PA = Pahrump Valley; SH = Shoshone Mountain

Figure 2.1-1
Location of Flight Lines for Magnetic Survey

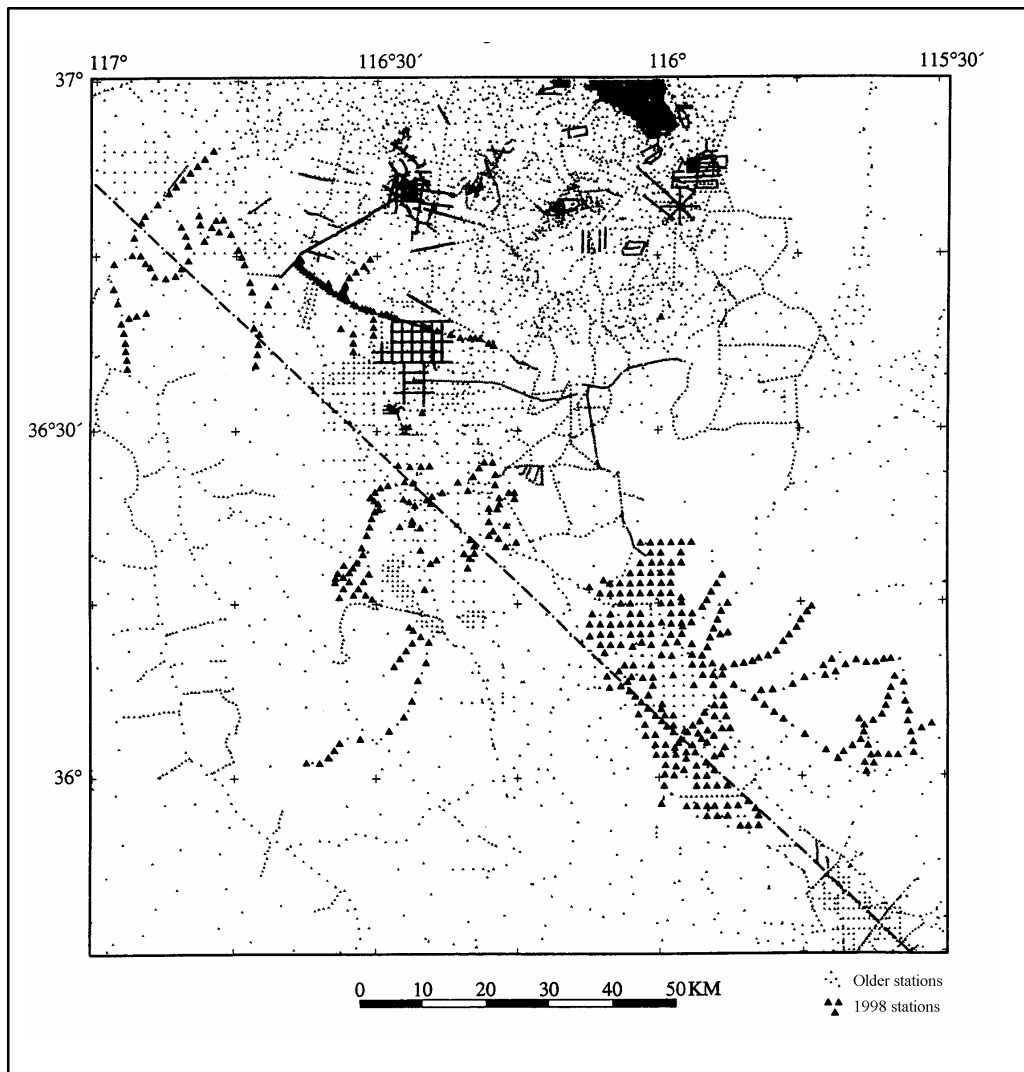
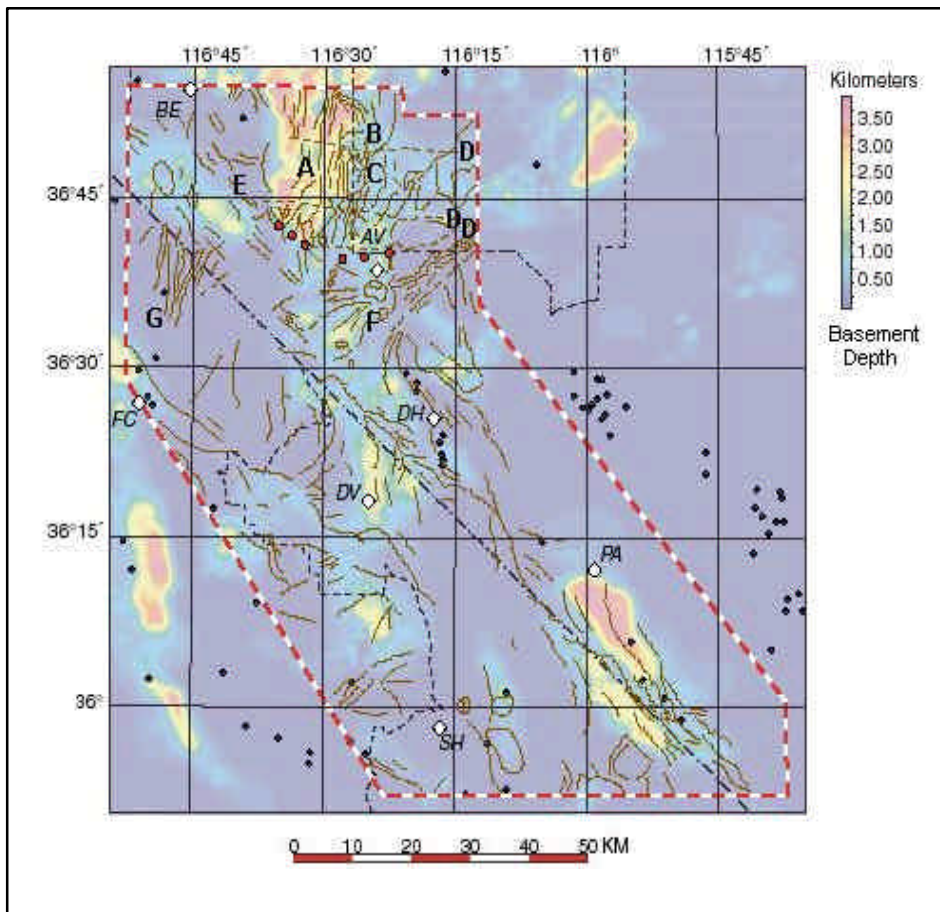


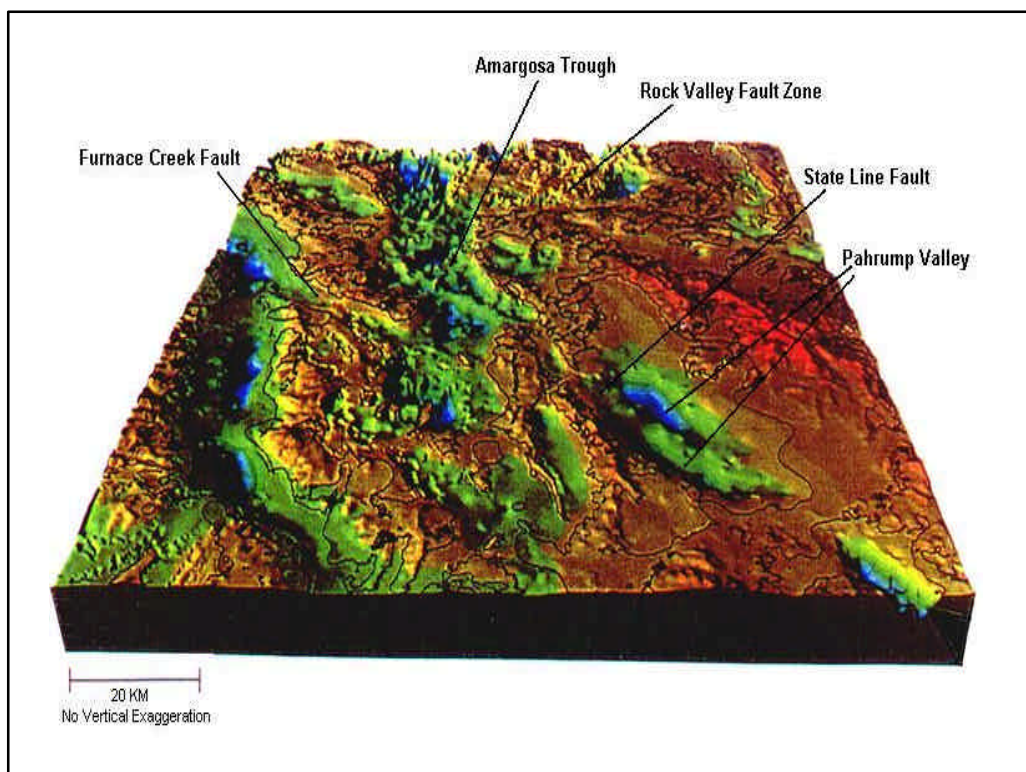
Figure 2.1-2
Location of Gravity Stations



Source: Modified from Blakely et al. (2000a)

NOTES: AV = Lathrop Wells Intersection; BE = Beatty; DH = Devils Hole; DV = Death Valley; FC = Furnace Creek; PA = Pahrump Valley; SH = Shoshone Mountain; See text for explanation of annotations A to G; black-filled diamonds are spring locations; white unfilled diamonds are the geographic locations noted above; gray-filled circles and squares are Early Warning Drilling Program well locations.

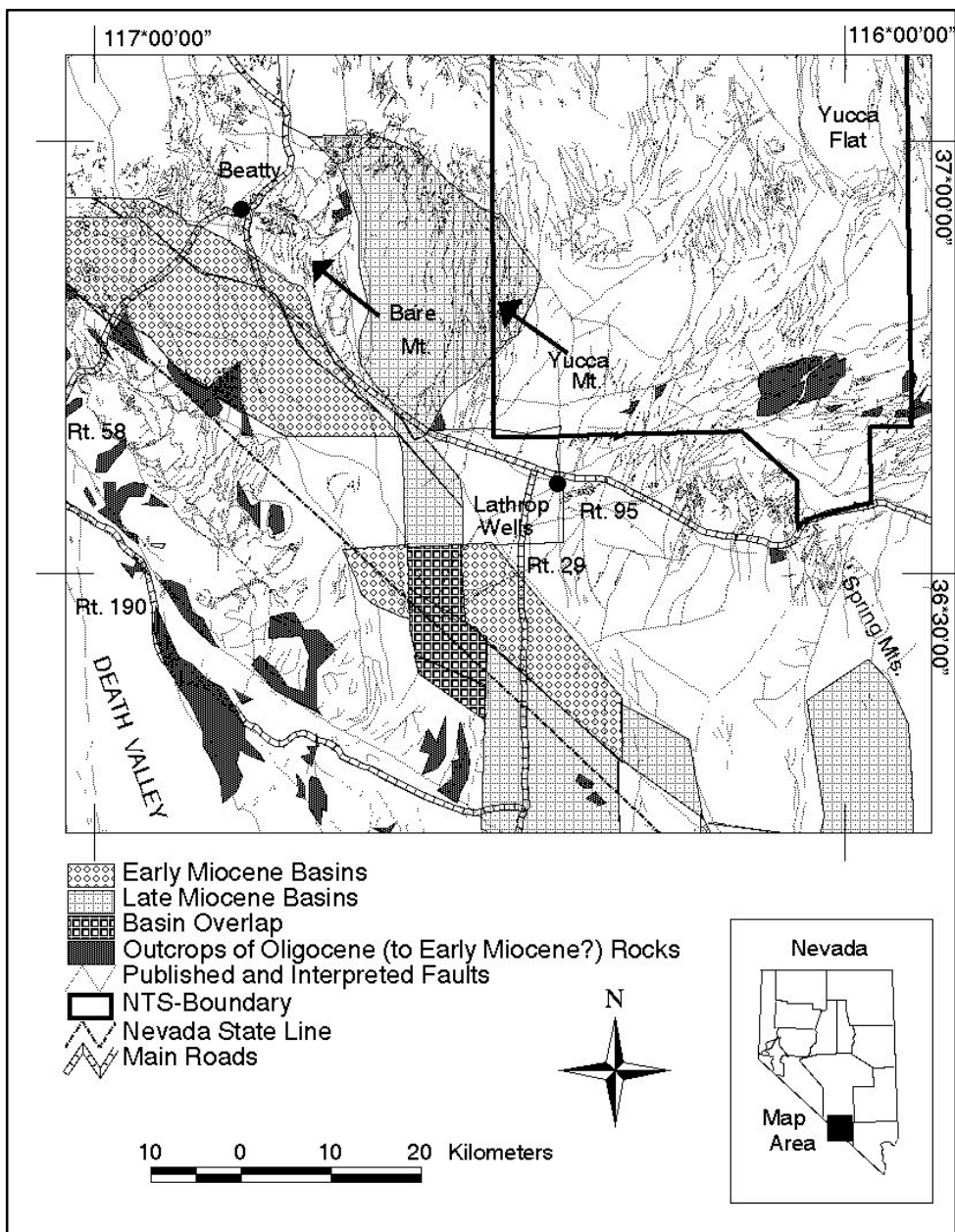
Figure 2.1-3
Magnetic Lineations on Basement Surface



Source: Modified from Blakely et al. (2000b)

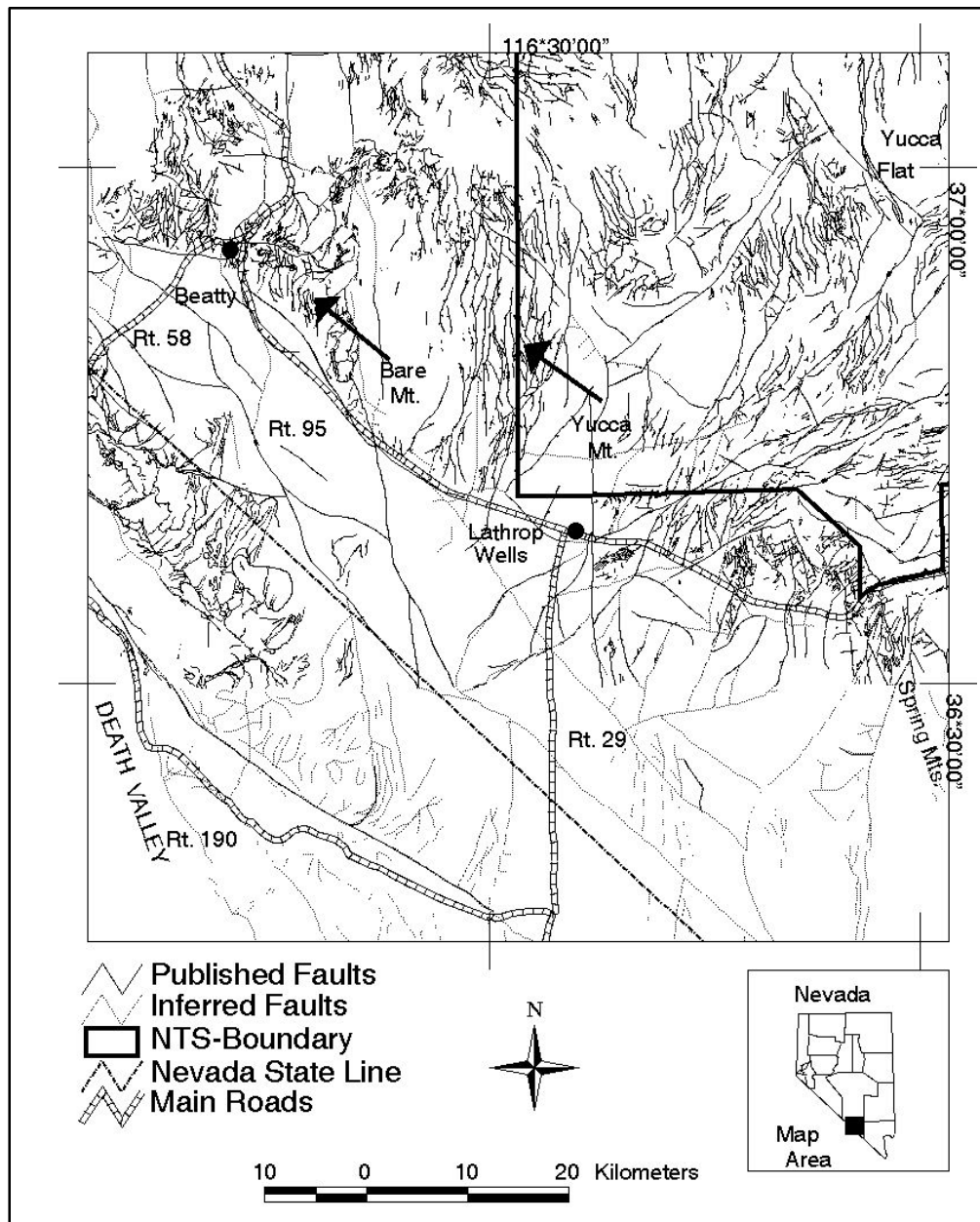
NOTE: Labeled features are discussed in the text.

Figure 2.1-4
Three-Dimensional Representation of the Basement under the
Yucca Mountain Region



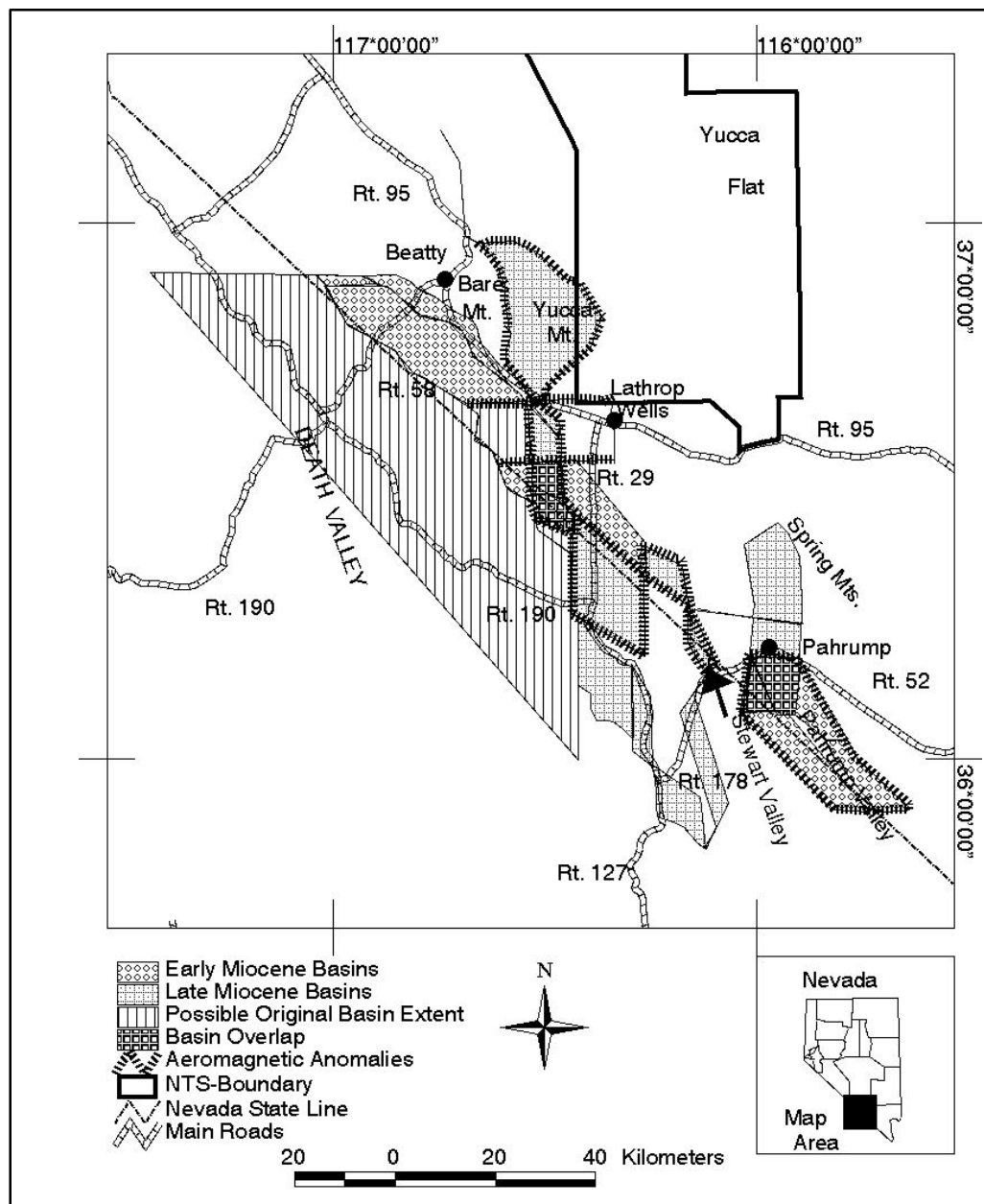
NOTE: NTS = Nevada Test Site

Figure 2.2-1
Structural Basins in the Yucca Mountain Region



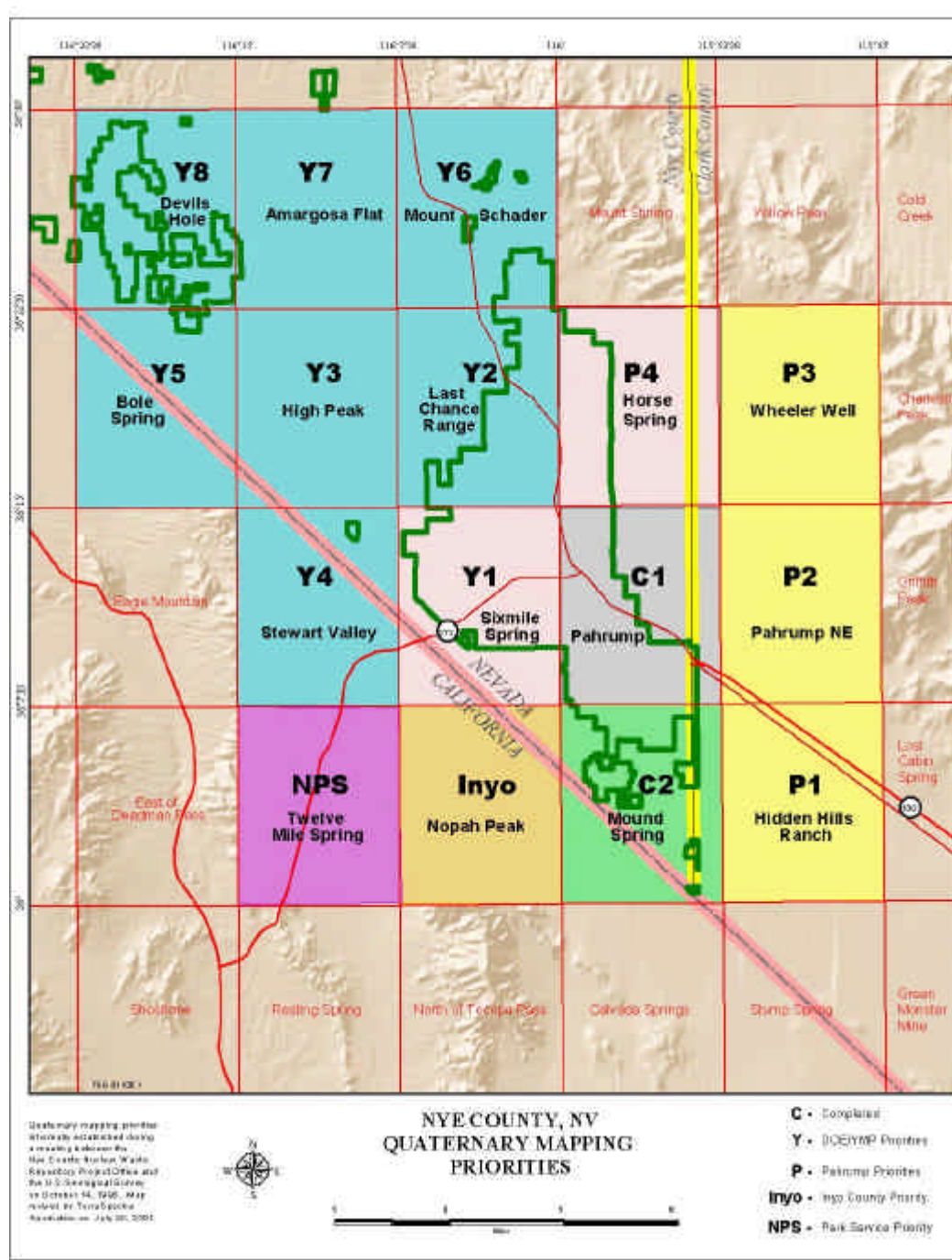
NOTE: NTS = Nevada Test Site

Figure 2.2-2
Map of Known and Inferred Faults in the Yucca Mountain Region

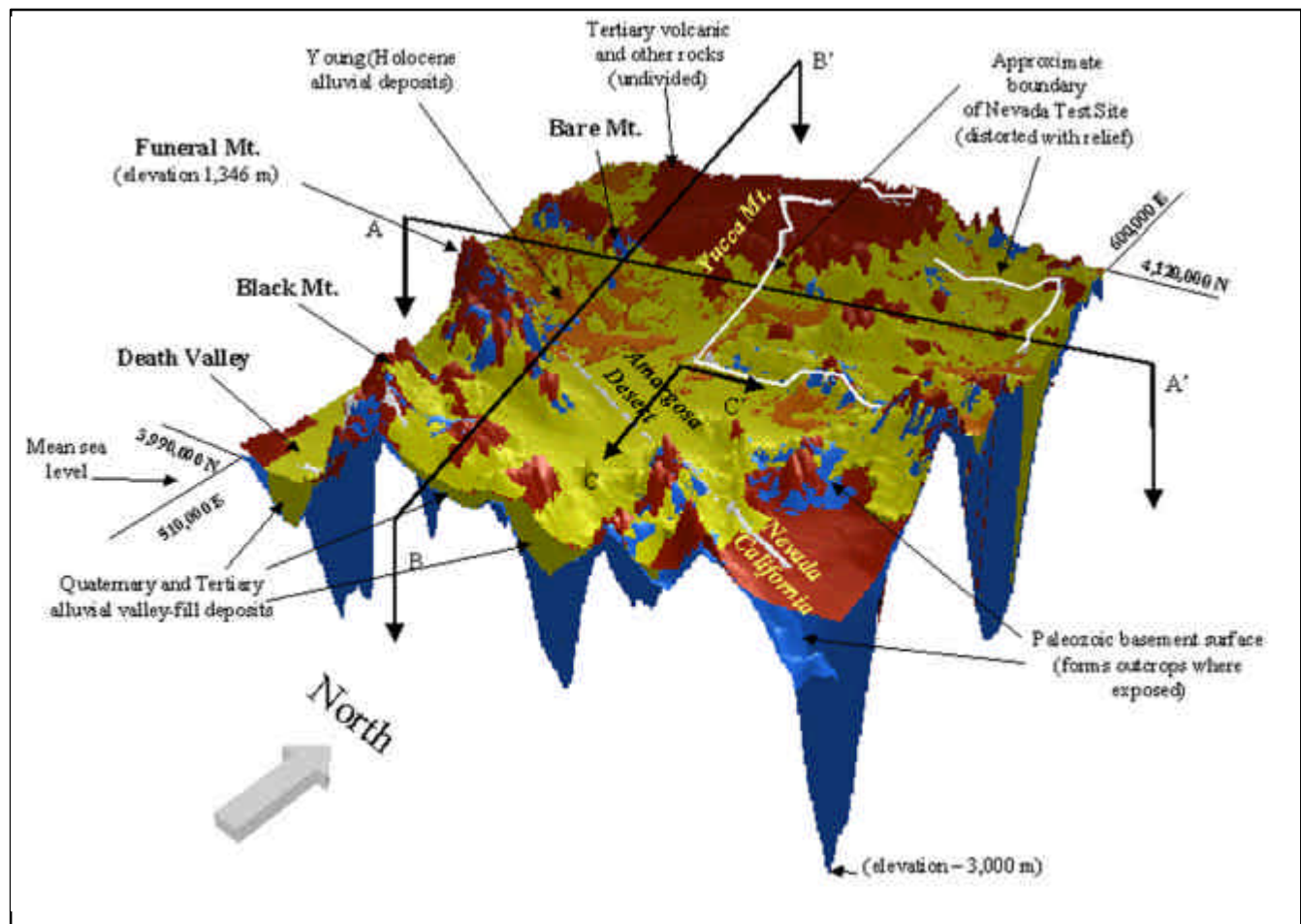


NOTE: Some basins are bounded by aeromagnetic anomalies. Each basin or structural compartment contains possible groundwater-bearing strata, underlying recent alluvium. NTS = Nevada Test Site.

Figure 2.2-3
Map of Known and Inferred Basins in the Yucca Mountain Region

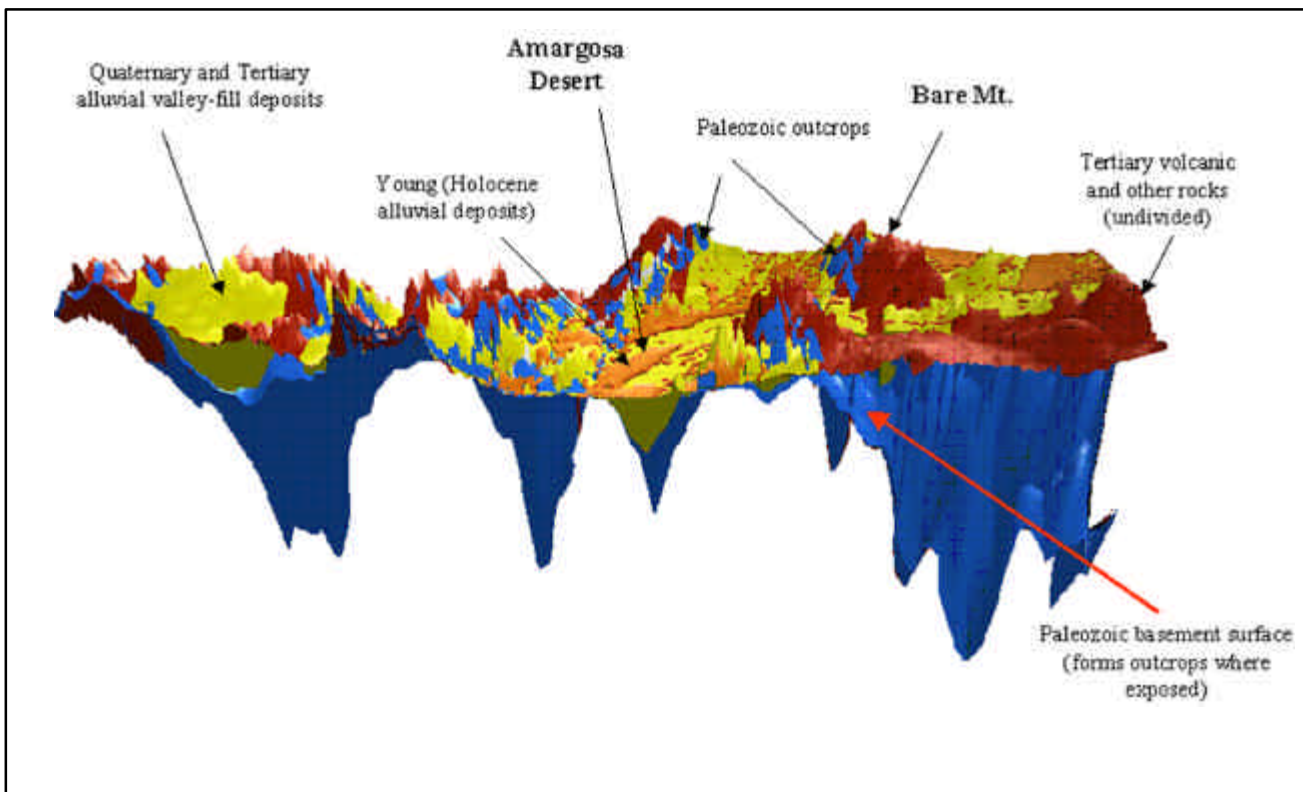


**Figure 2.3-1
Status of Geologic Mapping Activities**



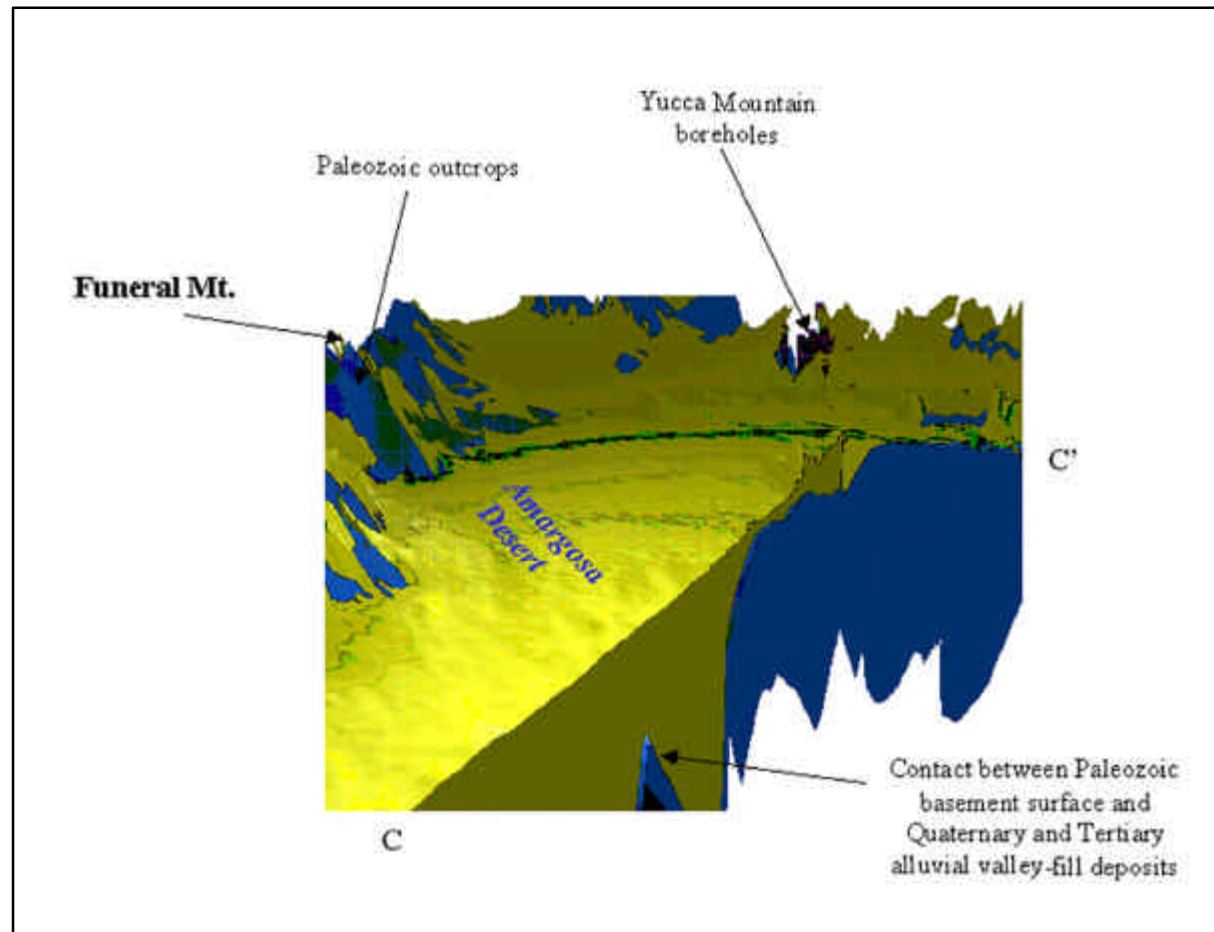
NOTE: UTM coordinates given in the corners of the model are in meters NAD 27. Vertical exaggeration = approximately 10X.

Figure 2.4-1
Simplified Three-Dimensional Geologic Model of the Amargosa Desert/Yucca Mountain Area



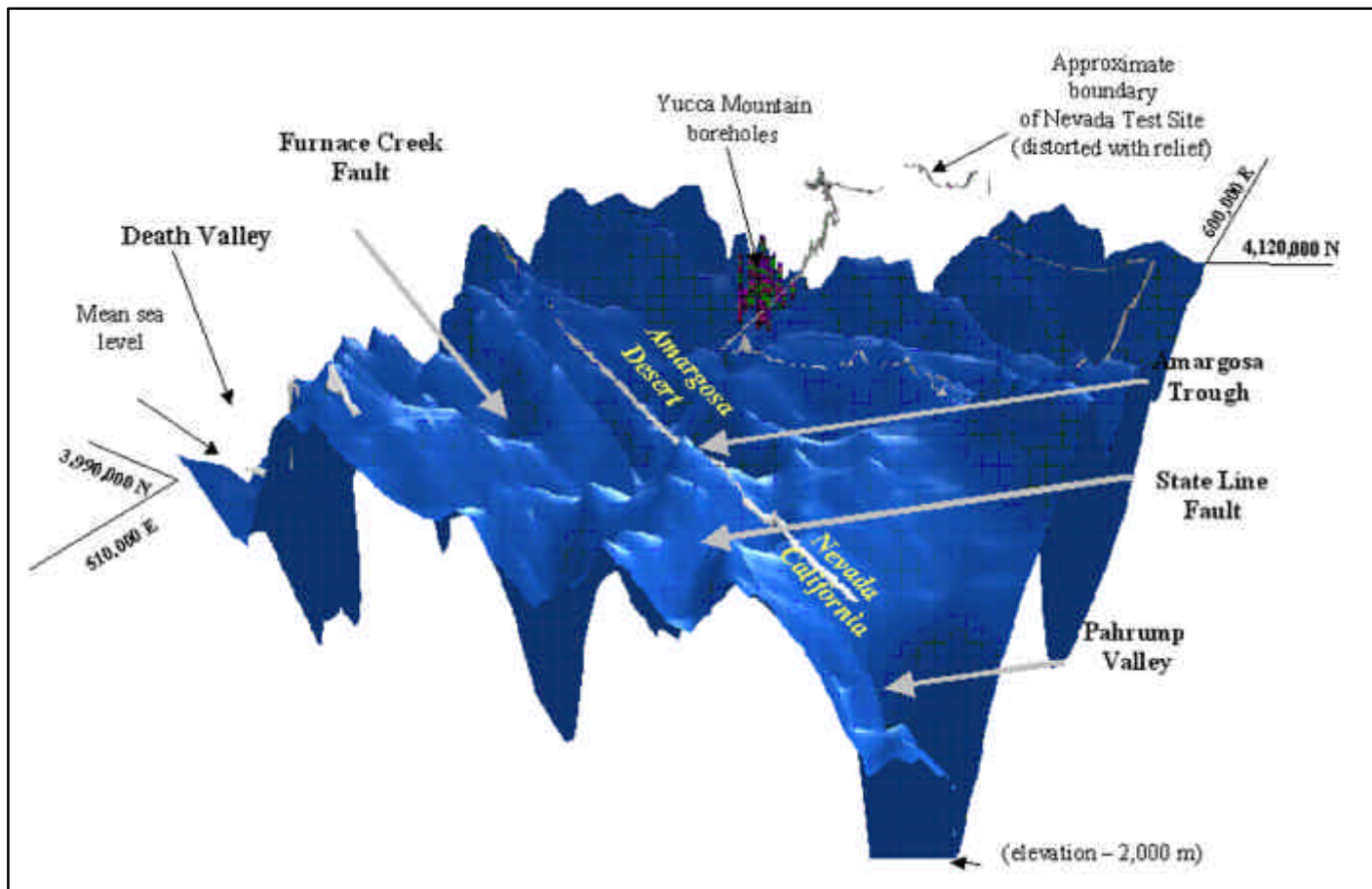
NOTE: Vertical exaggeration = approximately 10X

Figure 2.4-2
Three-Dimensional Geologic Cutout Model of the Upper Amargosa Desert Looking along Line BB' in Figure 2.4-1



NOTE: Vertical exaggeration = approximately 10X

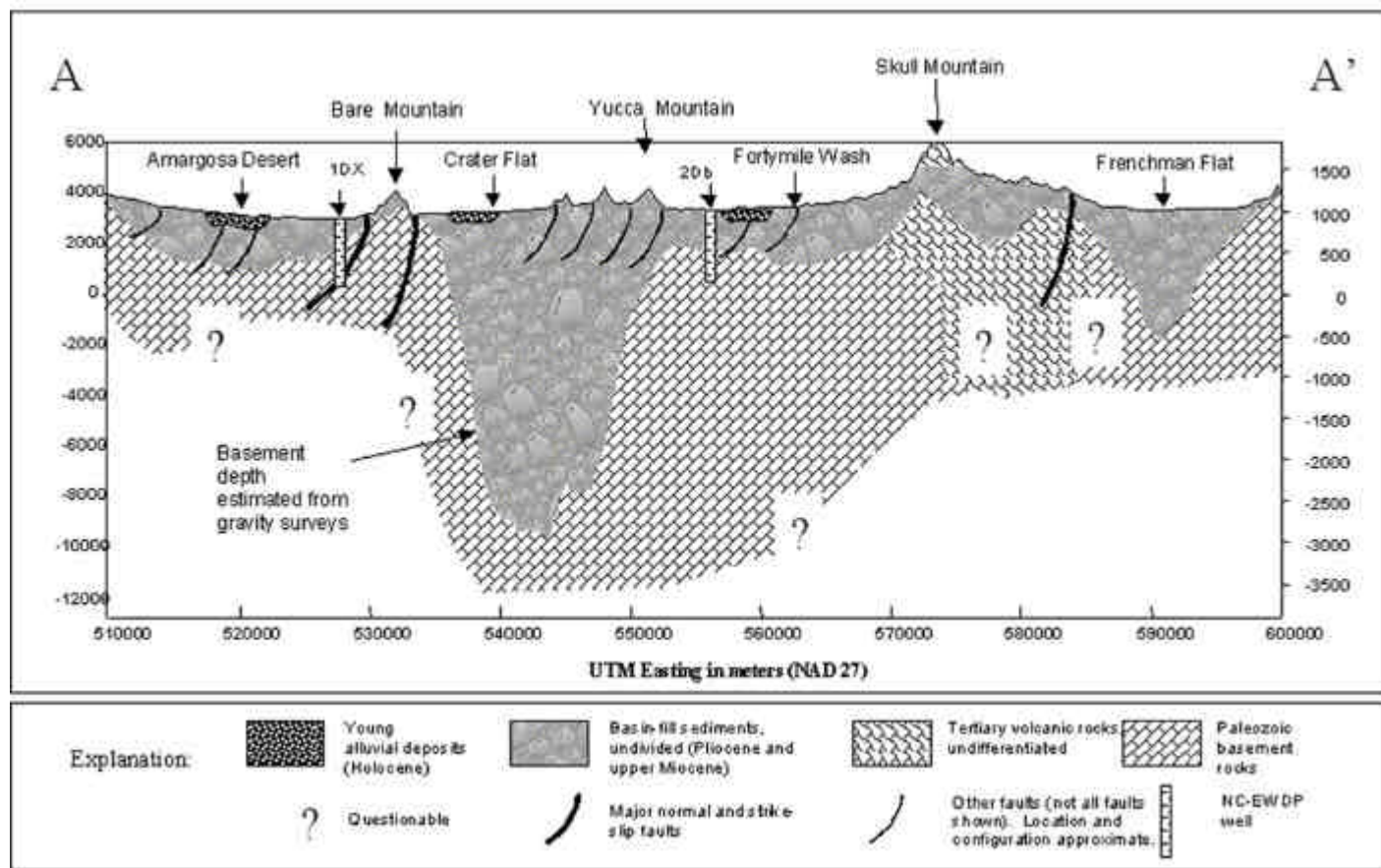
Figure 2.4-3
Close-Up View of Three-Dimensional Geologic Cutout Model of the Upper Amargosa Desert Looking
along Line CC' in Figure 2.4-1



NOTE: View is northwest. Vertical exaggeration = approximately 10X.

Figure 2.4-4

Three-Dimensional Geologic Model of the Paleozoic Basement Surface Stripped of Overlying Deposits in the Amargosa Desert/Yucca Mountain Area



NOTE: The NC-EWDP wells are projected. AMSL = above mean sea level.

Figure 2.4-5
Conceptual East-West Geologic Cross-Section along Line AA' in Figure 2.4-1 Showing Some Major Structural Features and the Extent of the Basin Deposits