

EXPLANATION

**ROCK TYPES**

**VALLEY-FILL DEPOSITS**

**af**  
Alluvium  
Clay, sand, gravel, and caliche. Locally important source of ground water where water table intersects sand and gravel lenses

**af**  
Alluvial-fan deposits  
Heterogeneous unsorted clay, sand, and gravel with lenses of sorted sand and gravel. Most important source of ground water in area. Yield large quantities of water from lenses of sand and gravel

**lb**  
Lake-bed deposits  
Homogeneous clay, silt, and fine sand with included sulfate and chloride salts. Yield small quantities of mineralized water

**cg**  
Conglomerate  
Hard coarse-grained sand and gravel, may yield water to wells although the degree of consolidation indicates a probable low permeability

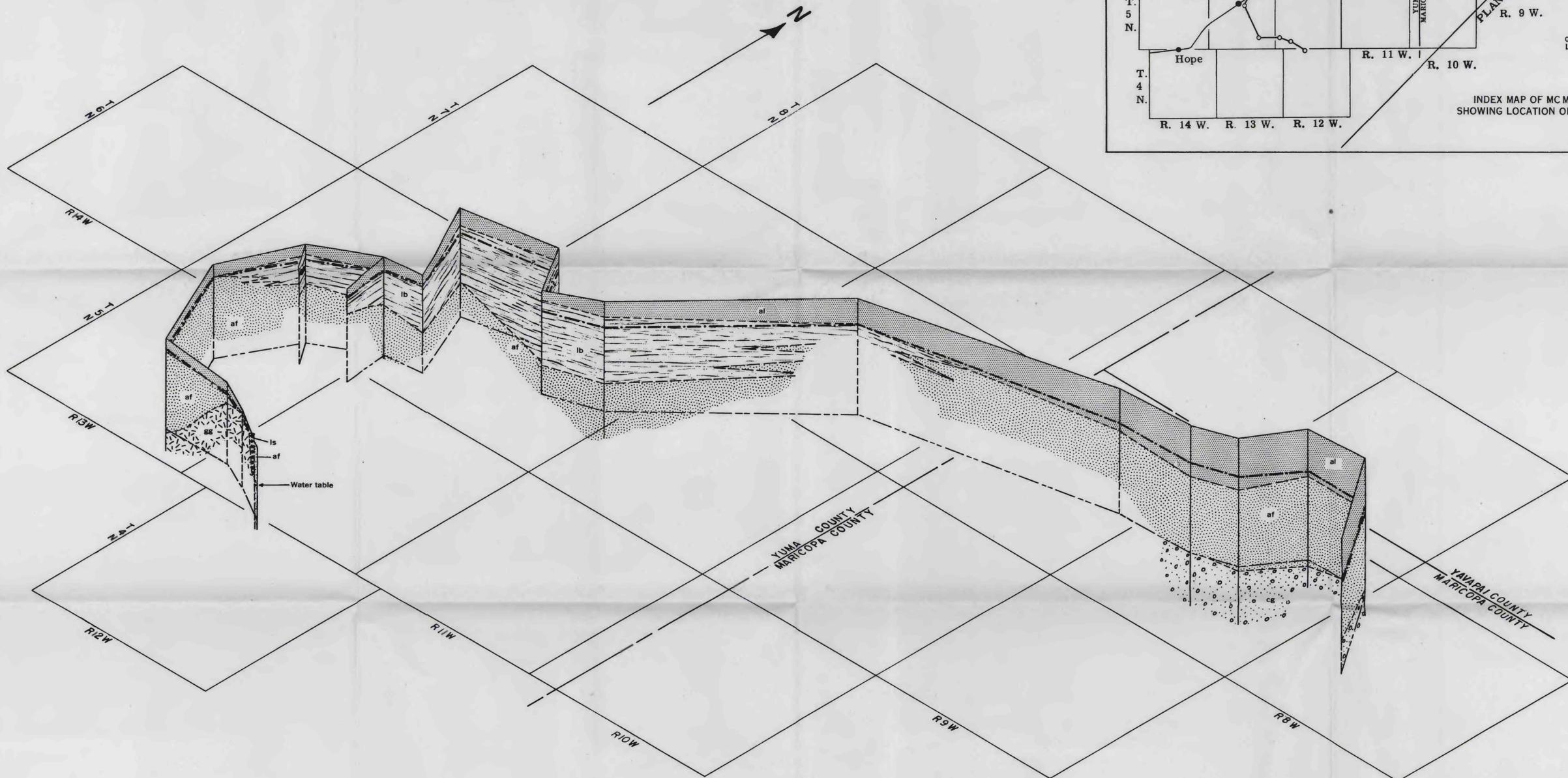
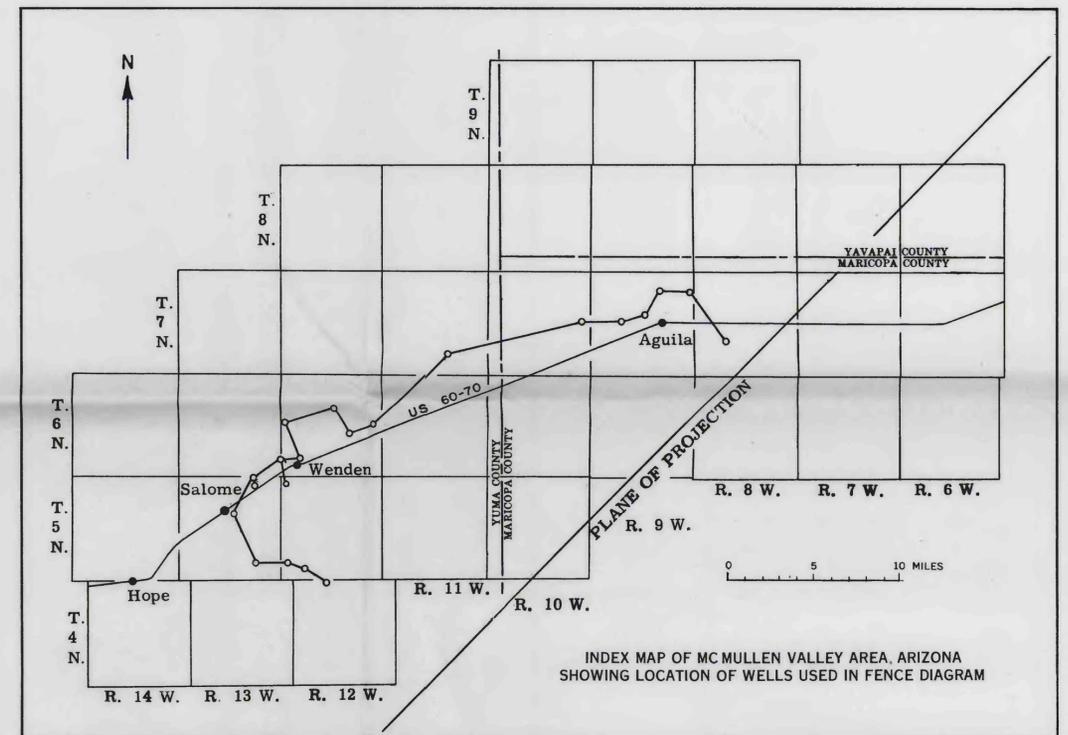
**BASEMENT ROCK**

**ls**  
Limestone  
Virtually not water bearing in area

**gs**  
Granitic gneiss  
Virtually not water bearing in area

**Water table**  
Approximate boundary between units  
Datum plane 1000 feet above sea level

**Wells, showing their vertical position**  
Solid vertical line shows depth of well; dashed vertical line shows projection to 1000-foot datum plane. Location of wells plotted on datum plane 1000 feet above sea level



FENCE DIAGRAM OF THE VALLEY-FILL DEPOSITS IN MC MULLEN VALLEY, ARIZONA