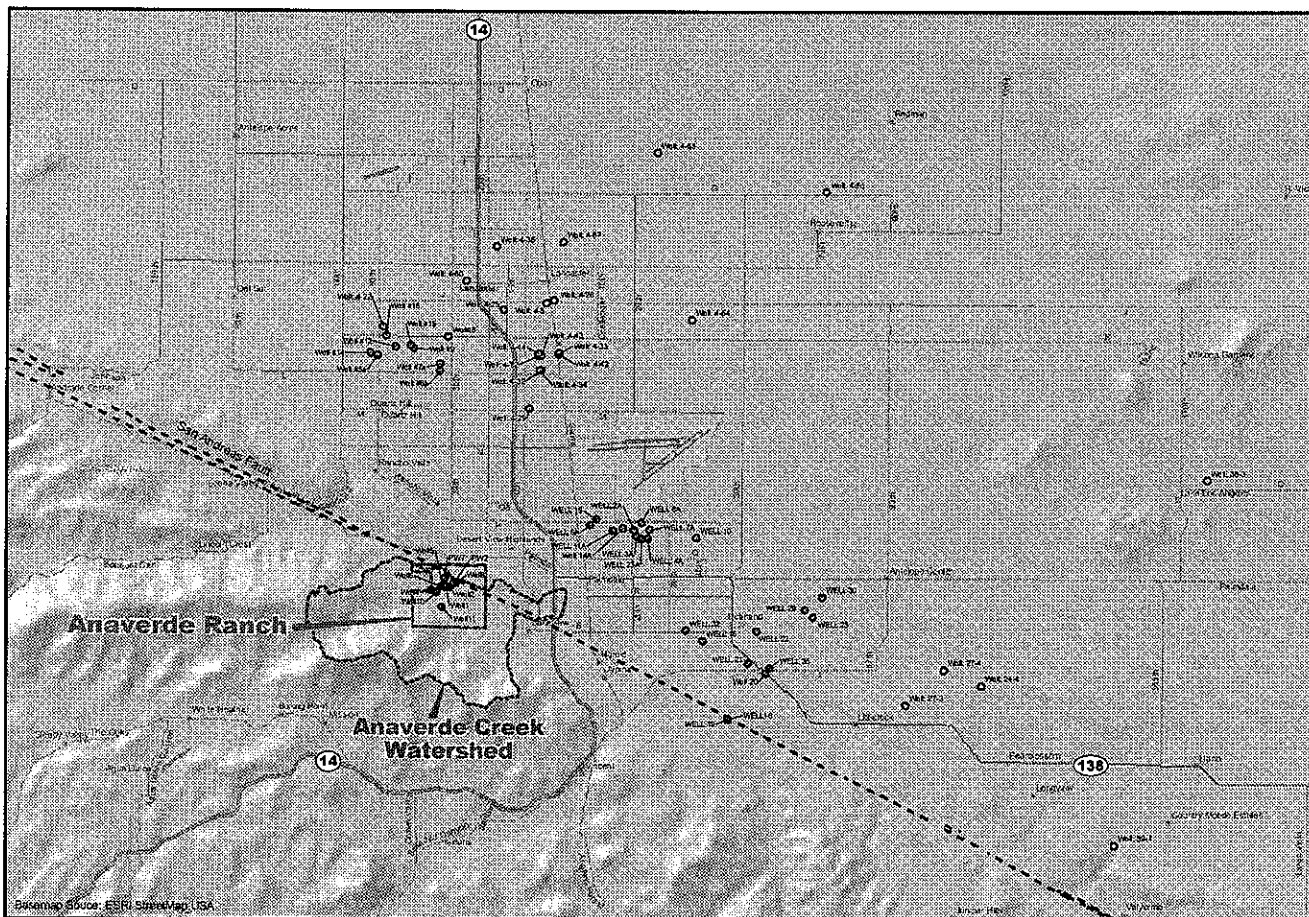




Legend

- Area Wells**
 - Anaverde Ranch
 - LA County
 - Palmide Water District
 - Quartz Hill
- San Andreas Fault (USGS)
- Anaverde Ranch Property Boundary
- Anaverde Creek Watershed Boundary

0 1.5 3 Miles
1:158,400

Exhibit 4
Groundwater Well
Locations in and
near Anaverde
Creek Basin

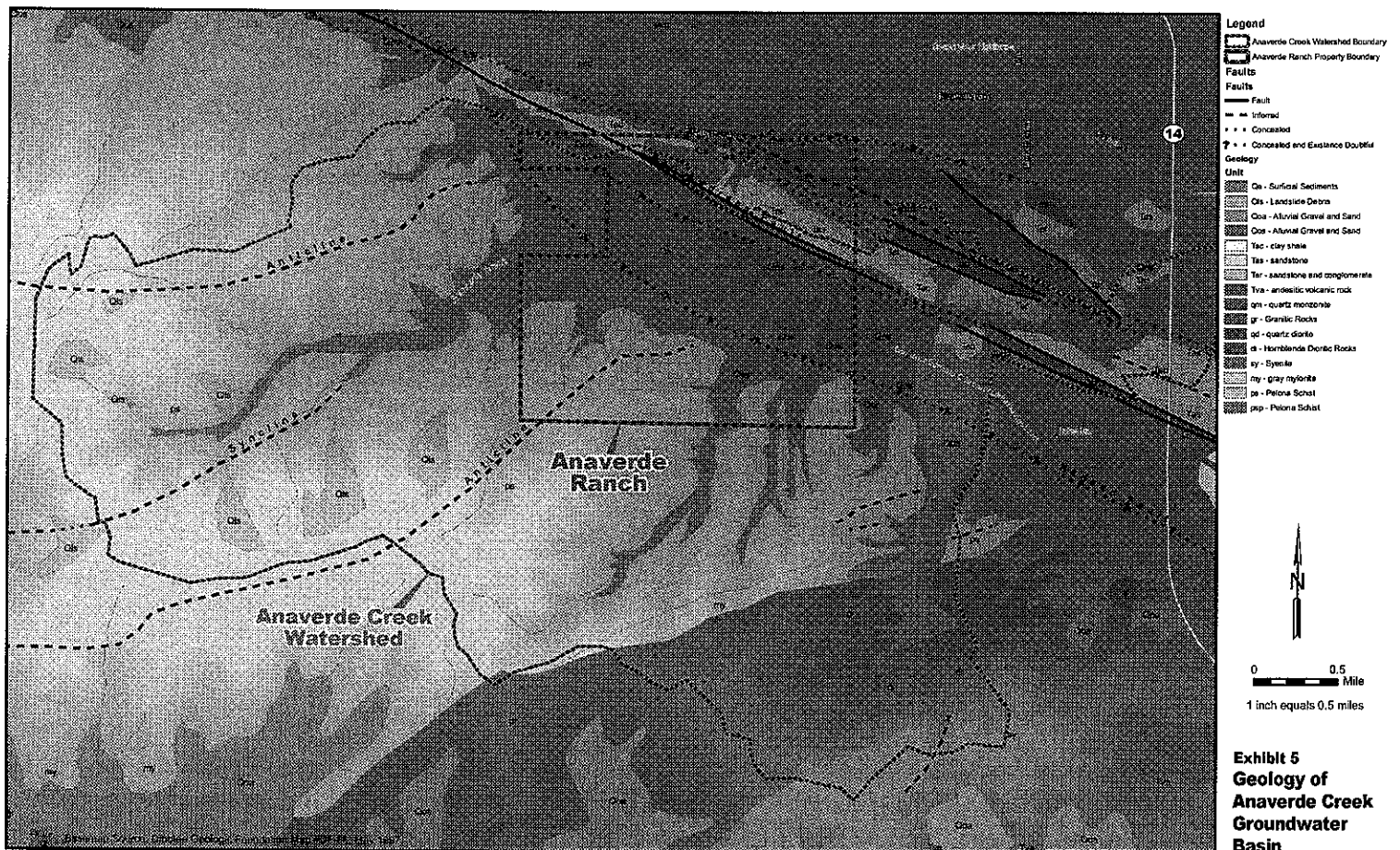
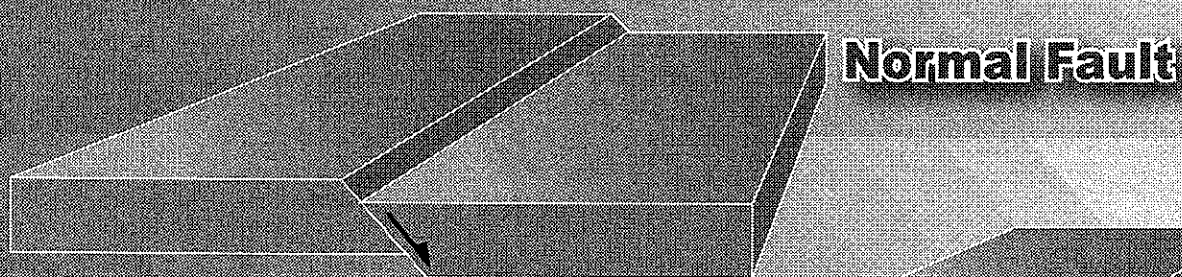
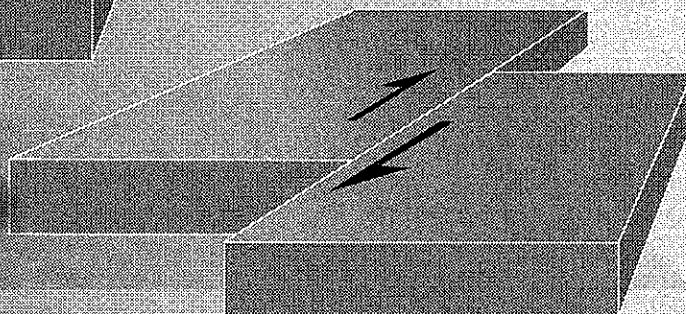


Exhibit 6

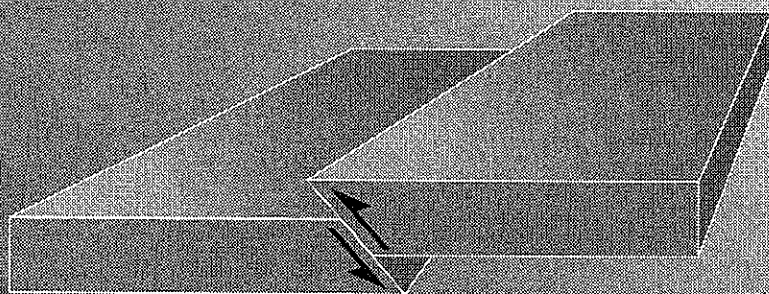
Movement Sense of Geologic Faults **Normal Fault, Strike-Slip Fault, Thrust Fault**



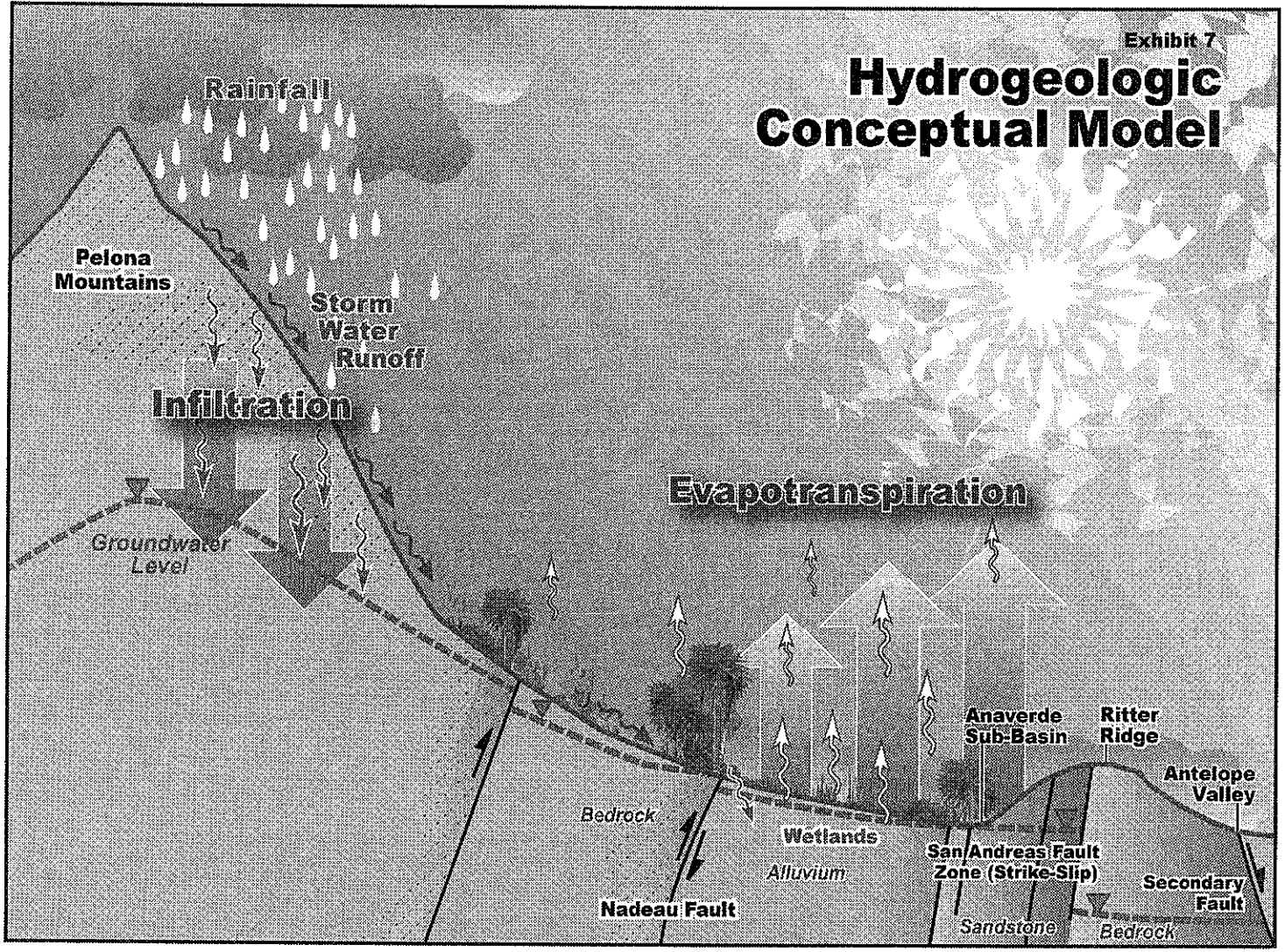
Strike-Slip Fault



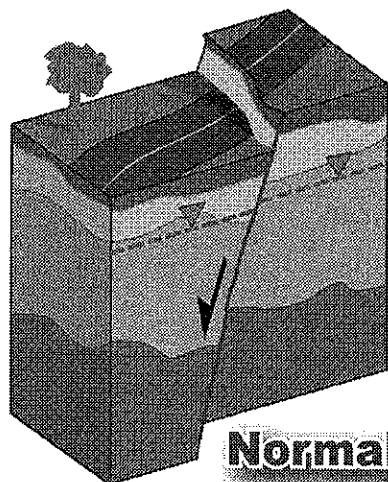
Thrust Fault



Hydrogeologic Conceptual Model



Depiction of Geologic Faults in Relation to Groundwater Movement, Strike-Slip, Down-Drop Block Faults

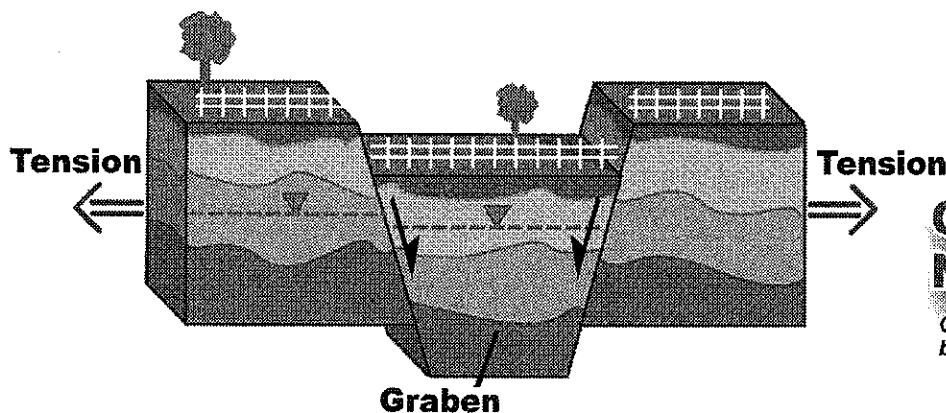
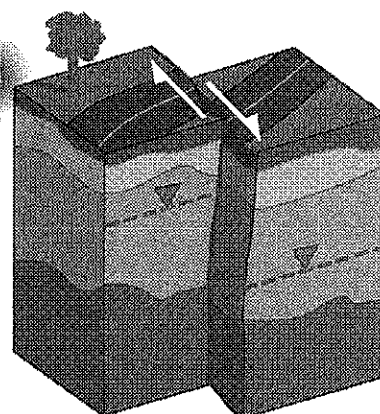


Normal Fault

Normal faults can produce groundwater flow disruption due to bed offset

Strike-Slip Fault

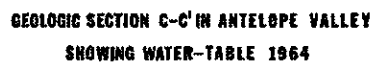
Strike-slip faults are sealed by fine grained material, mineralization and juxtaposition of less permeable rock type



Graben with Normal Faults

Groundwater movement inhibited by offset and mineralization

U.S. GEOLOGICAL SURVEY



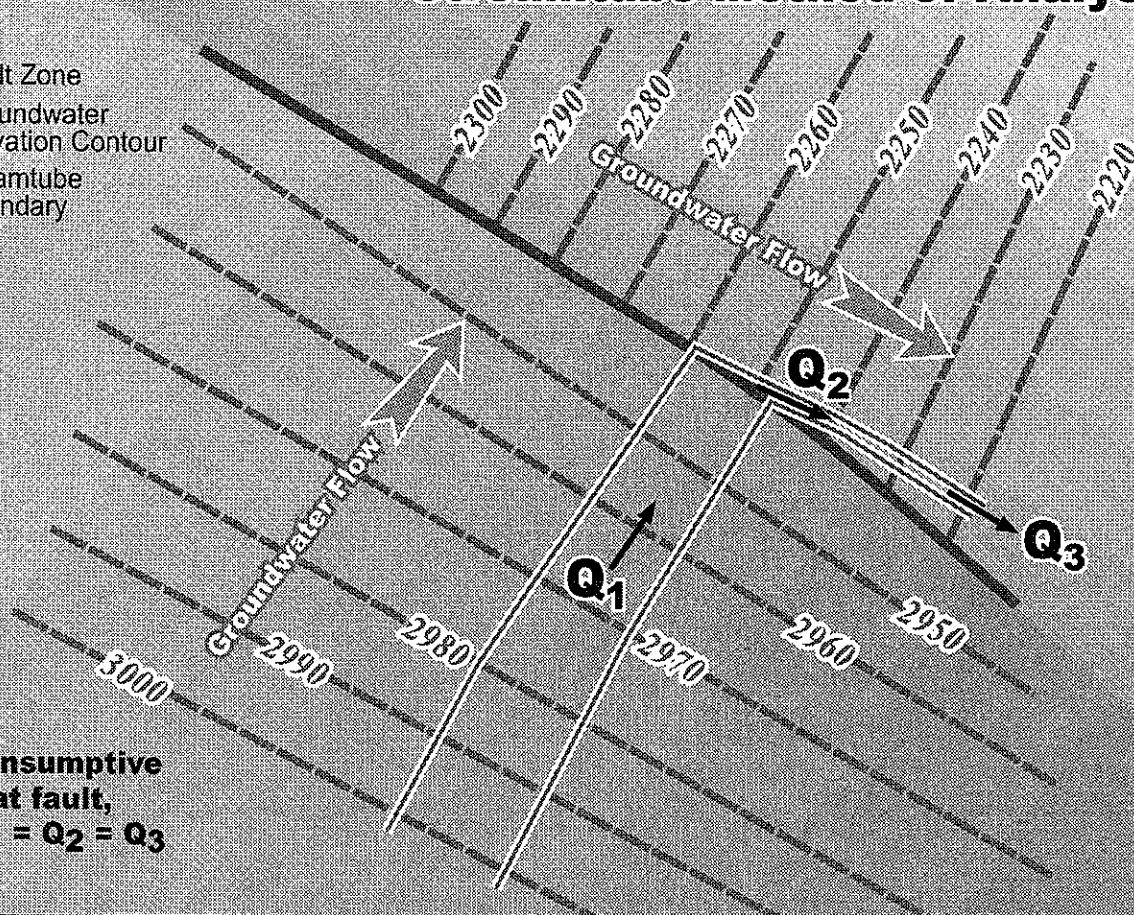
0 1 2 3 4 5 MILES

Scale ratio vertical to horizontal 21:1

Hydrogeology of Flow Across Faults Streamtube Method of Analysis

Legend

-  Fault Zone
-  Groundwater Elevation Contour
-  Steamtube Boundary
-  Boundary



If no consumptive
losses at fault,
then $Q_1 = Q_2 = Q_3$