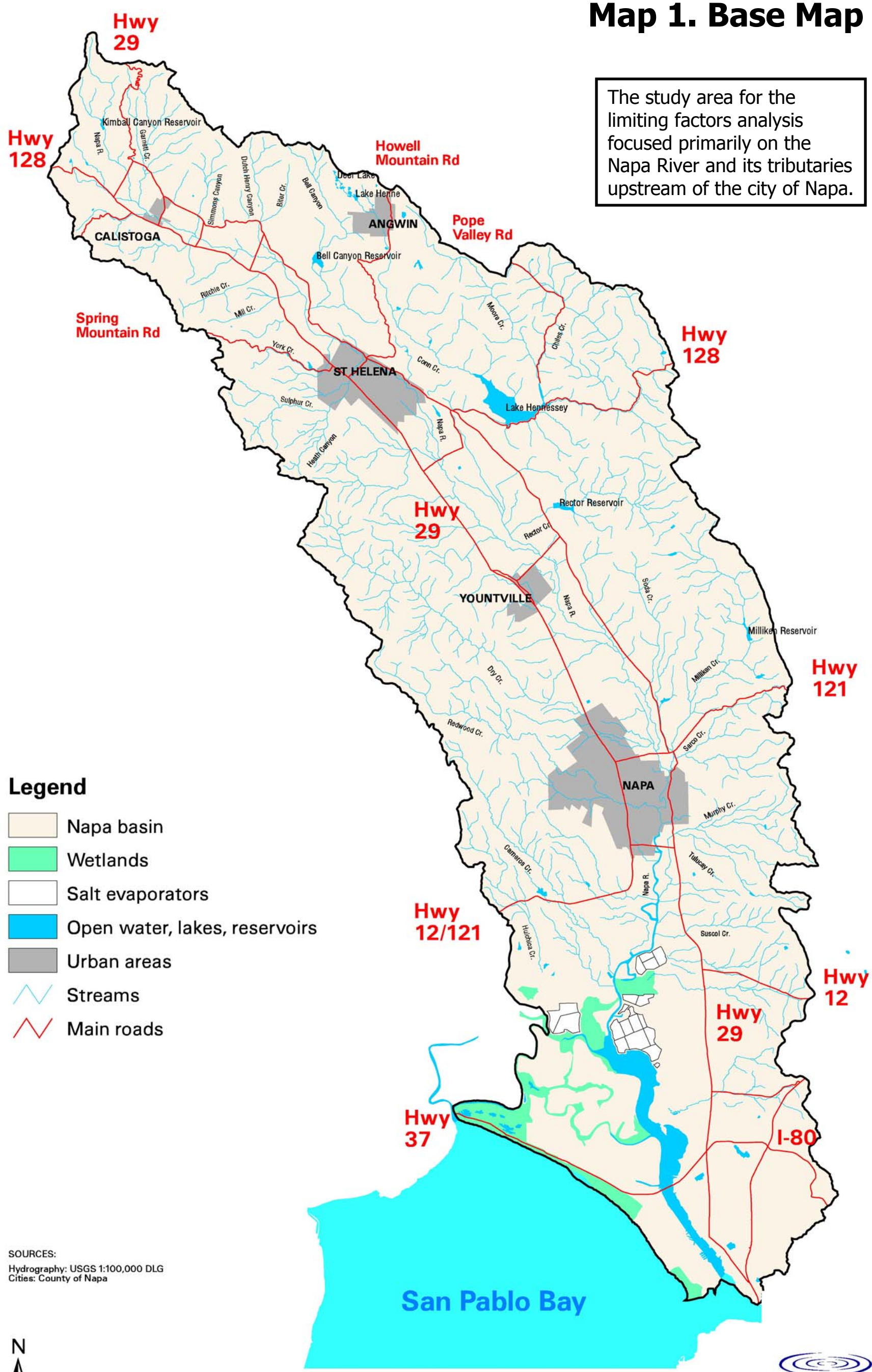

MAPS

Napa River Basin, California

Map 1. Base Map

The study area for the limiting factors analysis focused primarily on the Napa River and its tributaries upstream of the city of Napa.



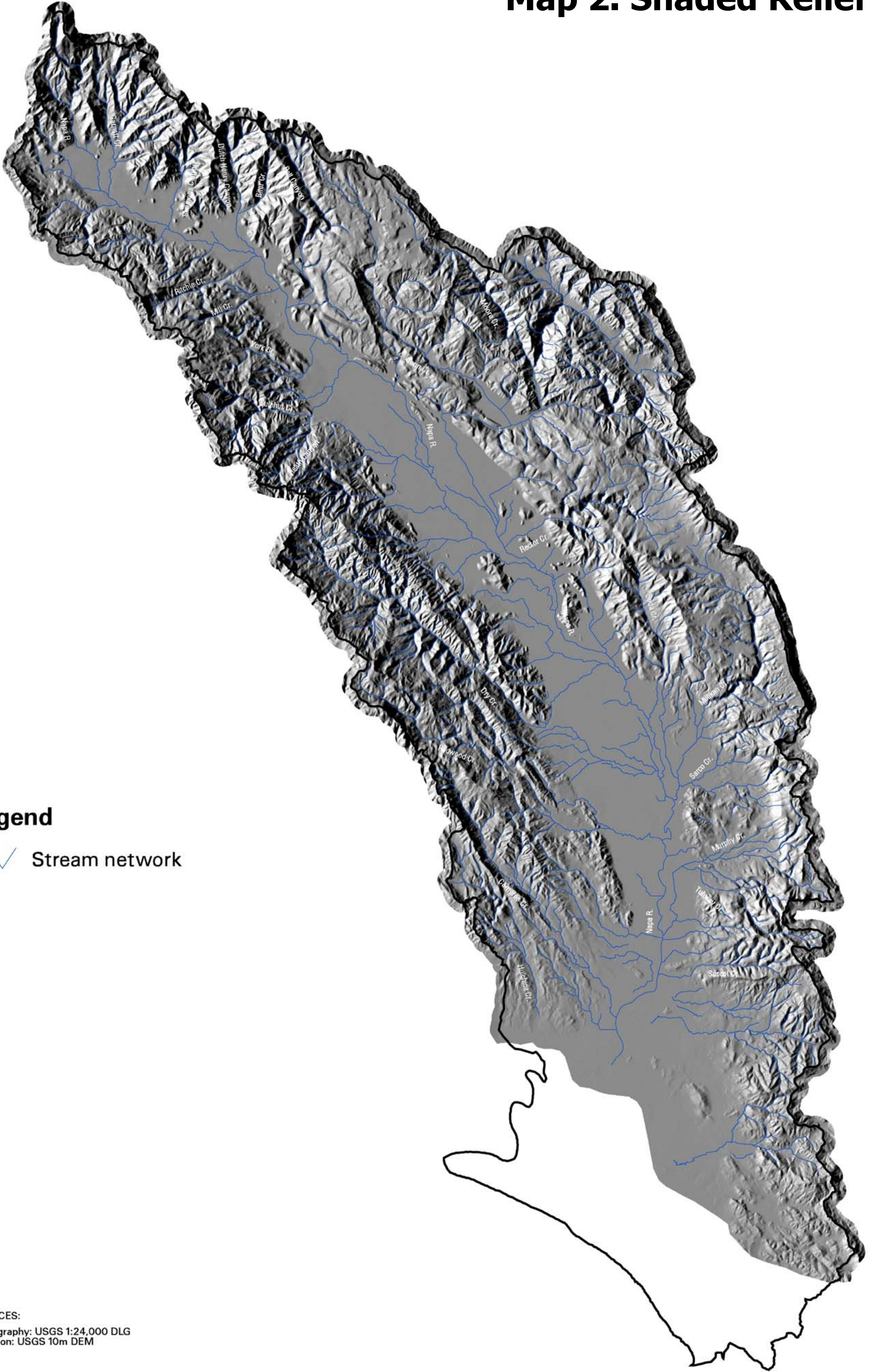
Legend

- Napa basin
- Wetlands
- Salt evaporators
- Open water, lakes, reservoirs
- Urban areas
- Streams
- Main roads


SOURCES:
 Hydrography: USGS 1:100,000 DLG
 Cities: County of Napa



Napa River Basin, California Map 2. Shaded Relief



Legend

 Stream network

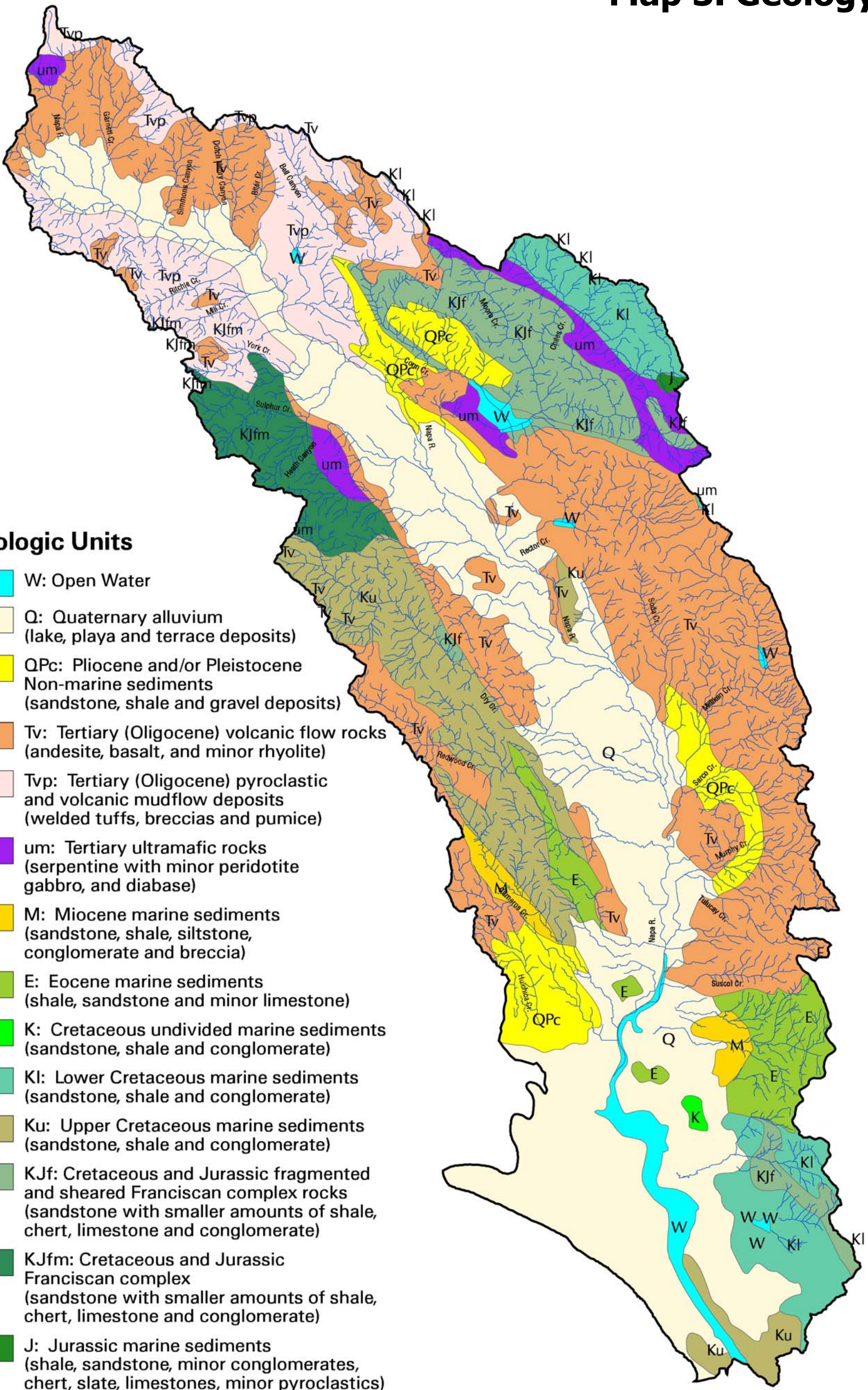
SOURCES:
Hydrography: USGS 1:24,000 DLG
Elevation: USGS 10m DEM



0 mi 3 mi

Napa River Basin, California

Map 3. Geology



Geologic Units

- W: Open Water
- Q: Quaternary alluvium (lake, playa and terrace deposits)
- QPc: Pliocene and/or Pleistocene Non-marine sediments (sandstone, shale and gravel deposits)
- Tv: Tertiary (Oligocene) volcanic flow rocks (andesite, basalt, and minor rhyolite)
- Tvp: Tertiary (Oligocene) pyroclastic and volcanic mudflow deposits (welded tuffs, breccias and pumice)
- um: Tertiary ultramafic rocks (serpentine with minor peridotite gabbro, and diabase)
- M: Miocene marine sediments (sandstone, shale, siltstone, conglomerate and breccia)
- E: Eocene marine sediments (shale, sandstone and minor limestone)
- K: Cretaceous undivided marine sediments (sandstone, shale and conglomerate)
- Kl: Lower Cretaceous marine sediments (sandstone, shale and conglomerate)
- Ku: Upper Cretaceous marine sediments (sandstone, shale and conglomerate)
- KJf: Cretaceous and Jurassic fragmented and sheared Franciscan complex rocks (sandstone with smaller amounts of shale, chert, limestone and conglomerate)
- KJfm: Cretaceous and Jurassic Franciscan complex (sandstone with smaller amounts of shale, chert, limestone and conglomerate)
- J: Jurassic marine sediments (shale, sandstone, minor conglomerates, chert, slate, limestones, minor pyroclastics)

Labels without polygons represent areas less than 0.1 sq. miles.

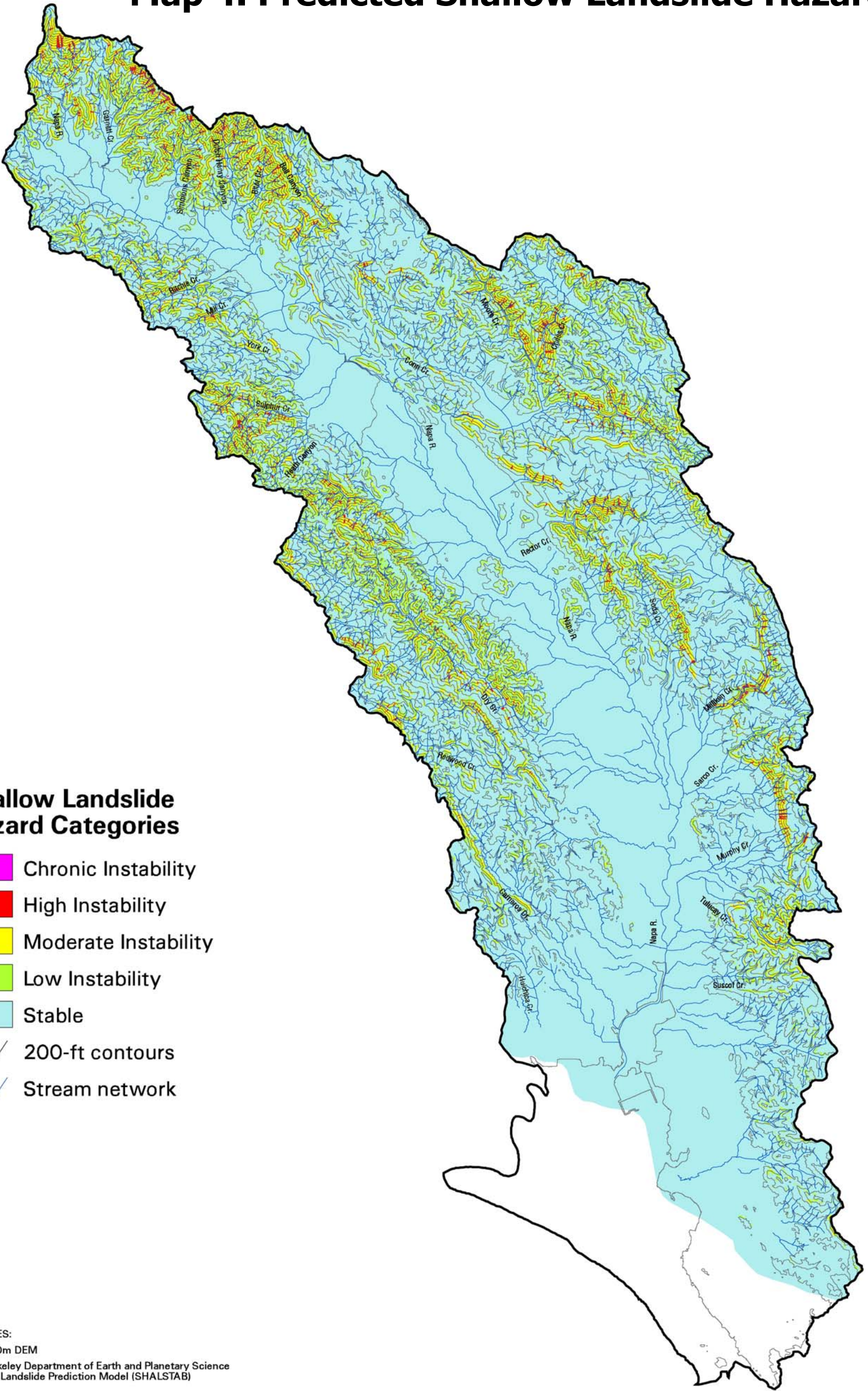


SOURCES:
1:750,000 State of California Geology Map, 1977



Napa River Basin, California

Map 4. Predicted Shallow Landslide Hazard



Shallow Landslide Hazard Categories

- Chronic Instability
- High Instability
- Moderate Instability
- Low Instability
- Stable
- 200-ft contours
- Stream network

SOURCES:
 USGS 10m DEM
 U.C. Berkeley Department of Earth and Planetary Science
 Shallow Landslide Prediction Model (SHALSTAB)

