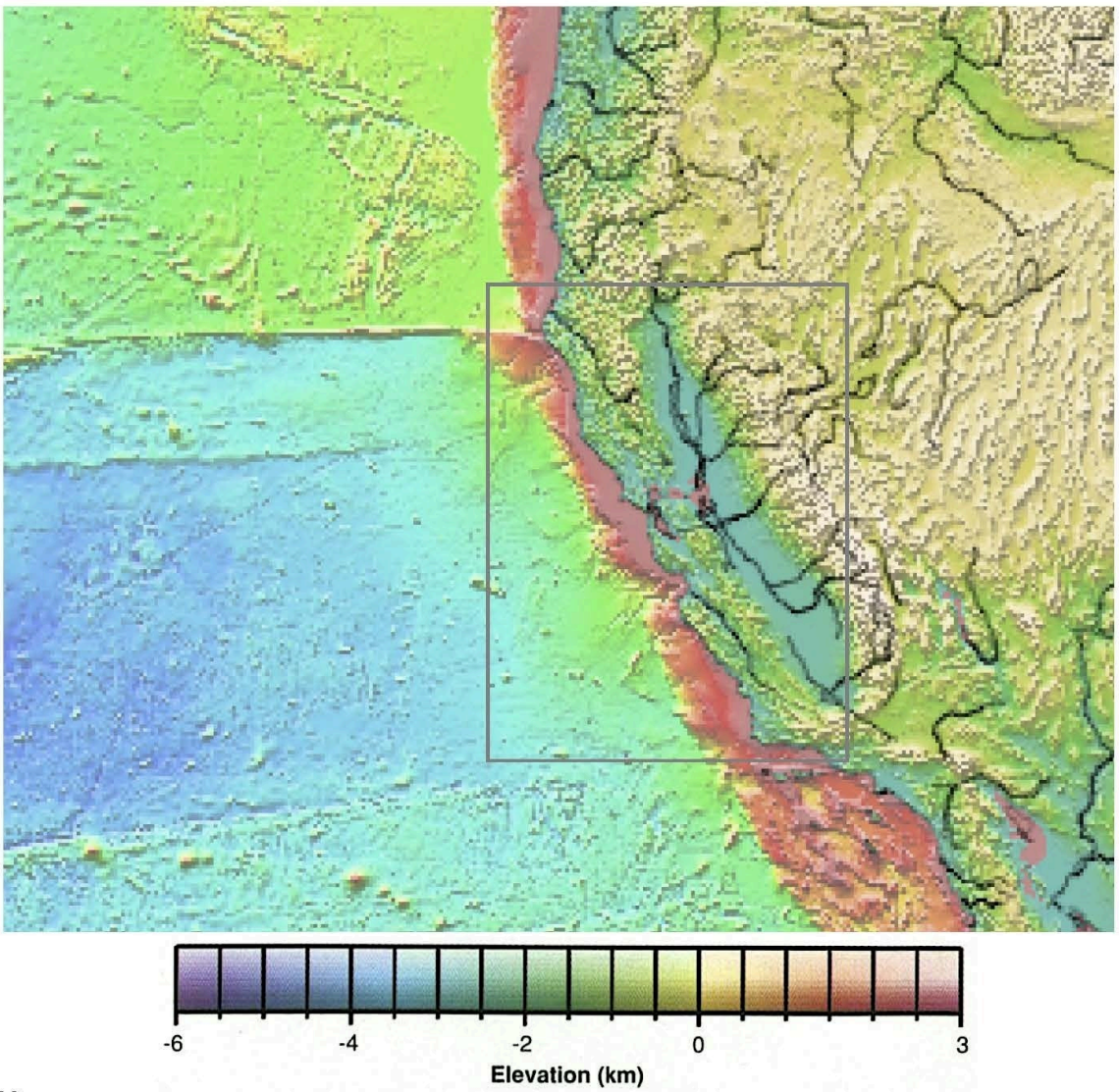
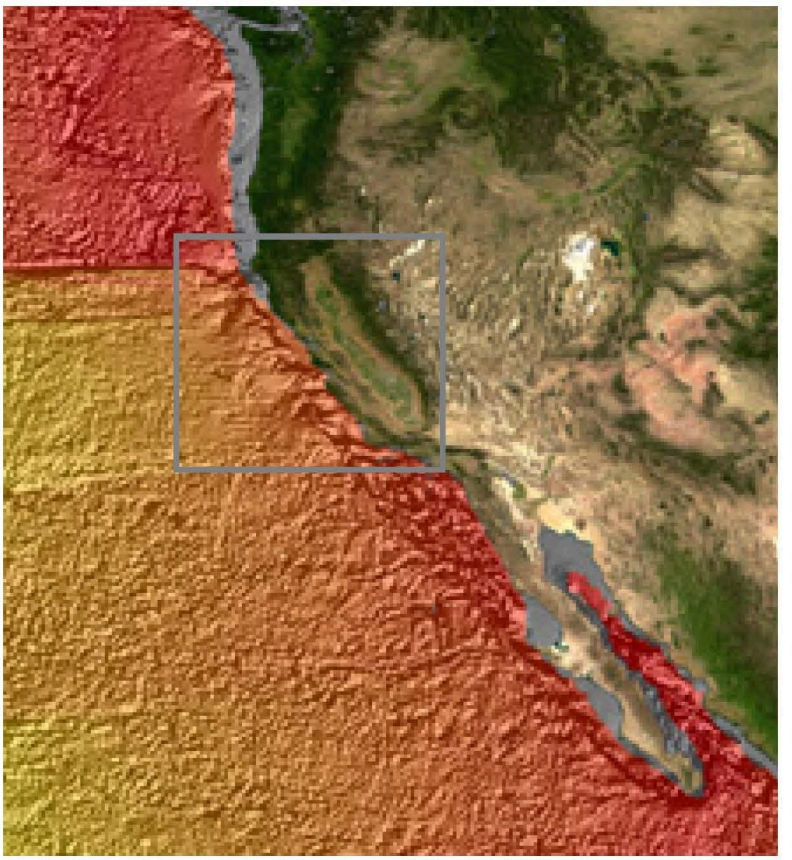
Coast Ranges, West Coast of North America

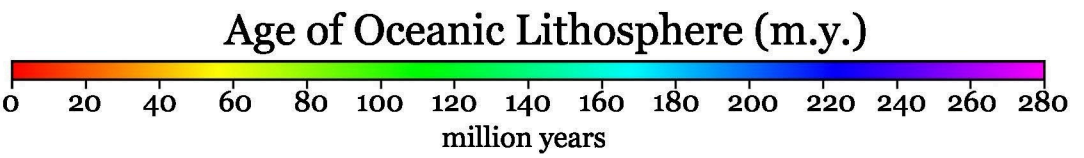


Display:
Sufrace topography including continents and seafloor
Horizontal resolution of 1-12 km
Data from: Smith, W. H. F., and D. T. Sandwell, Global seafloor topography from satellite altimetry and ship depth soundings, Science, v. 277, p. 1957-1962, 26 Sept., 1997.

Data plotted on an Interactive map here:
https://topex.ucsd.edu/marine_topo/mar_topo.html

Coastal Ranges, West Coast of North America

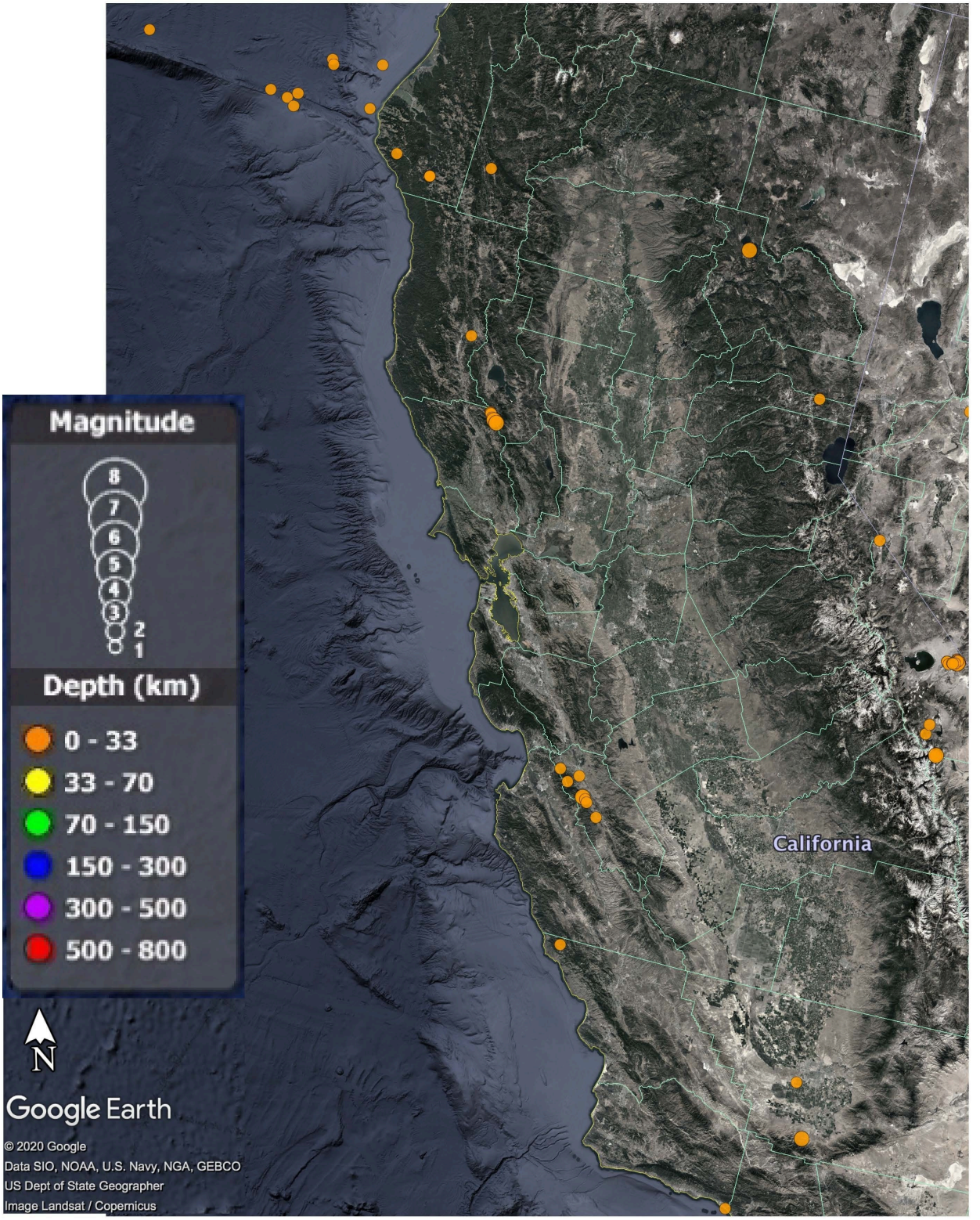




Display: Cut image from global map of Crustal Age Image No Plates:
https://www.ngdc.noaa.gov/mgg/image/crustalimages.html
Global Image created by Elliot Lim, Cooperative Institute for Research in Environmental Sciences, NOAA National Geophysical Data Center (NGDC), Marine Geology and Geophysics Division
Data & Images available from http://www.ngdc.noaa.gov/mgg/

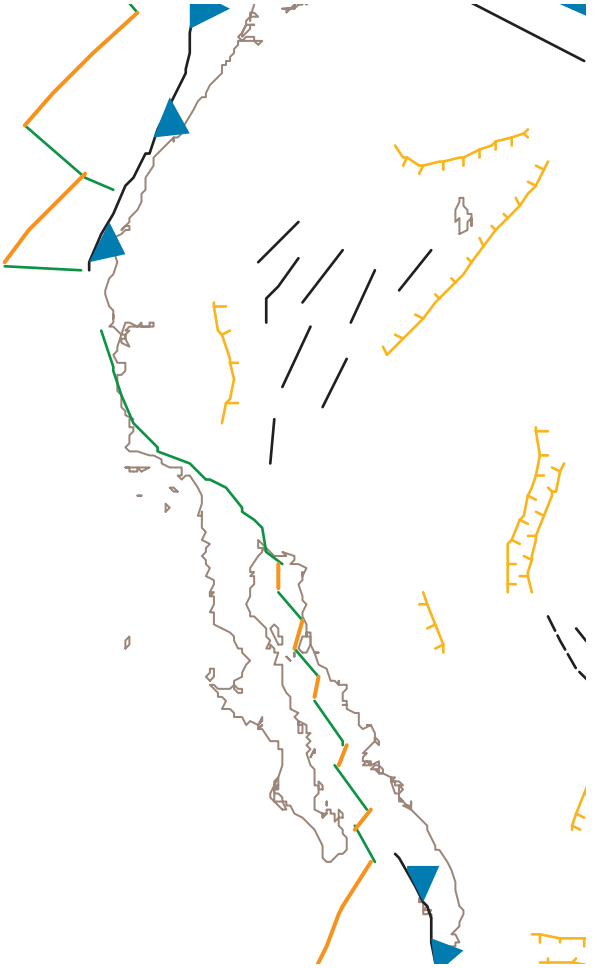
Original Data Source:
Müller, R.D., M. Sdrolias, C. Gaina, and W.R. Roest 2008. Age, spreading rates and spreading symmetry of the world's ocean crust, Geochem. Geophys. Geosyst., 9, Q04006, doi:10.1029/2007GC001743 .

Coast Ranges, West Coast of North America



Display:
All Earthquakes with magnitudes >2.5
Only shows 1 month: June 23, 2020 to July 23, 2020
https://earthquake.usgs.gov/earthquakes/map/

Coastal Ranges, West Coast of North America



Display Modified from:
DIGITAL TECTONIC ACTIVITY MAP OF THE EARTH
Tectonism and Volcanism of the Last One Million Years

DTAM - 1

Robinson Projection

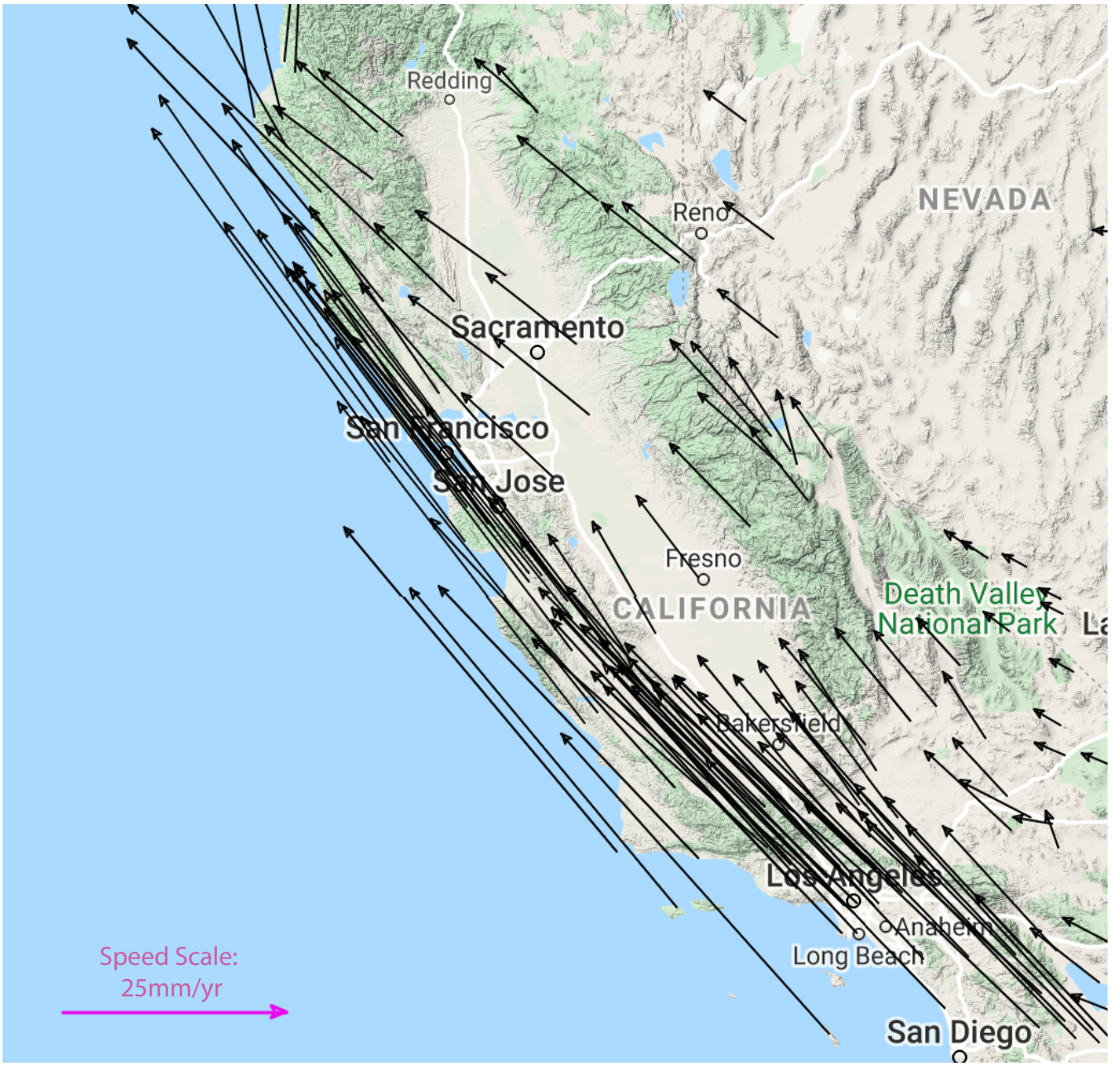
October 2002

NASA/Goddard Space Flight Center
Greenbelt, Maryland 20771

LEGEND

- Actively-spreading ridges and transform faults
- Total spreading rate, cm/year (1.4)
- Major active strike slip fault or fault zone
- Normal fault or rift; hachures on downthrown side
- Reverse fault (overthrust, subduction zones); generalized; barbs on upthrown side
- Major active fault or fault zone where nature, location, or activity are uncertain

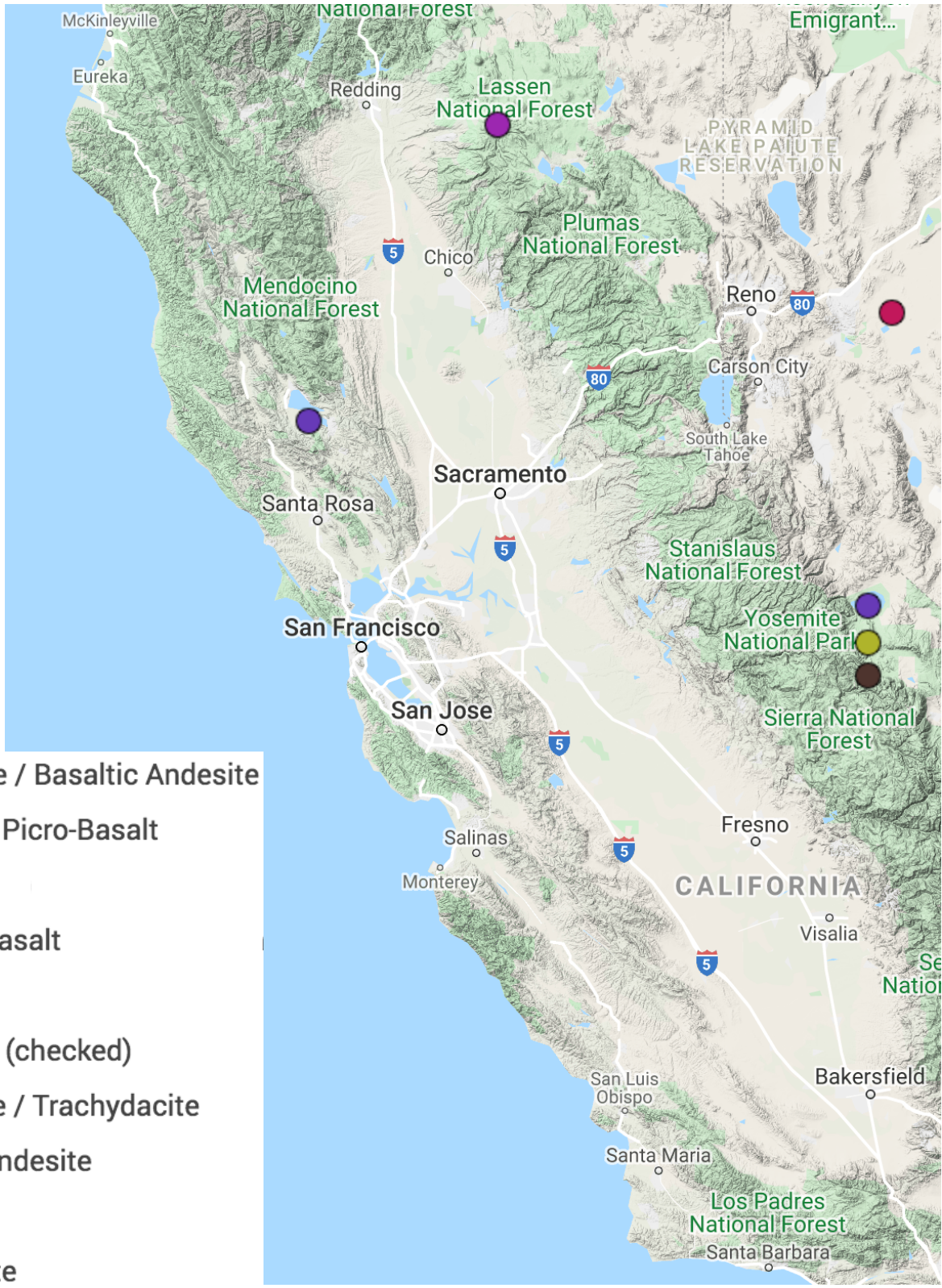
Coastal Ranges, West Coast of North America



Display Data:
North American, GEM, GSRM
Vector scaling: 1x
Showing 1 in 20 vector markers

Data Source:
Interactive site from UNAVCO: GPS Velocity Viewer
https://www.unavco.org/software/visualization/GPS-Velocity-Viewer/GPS-Velocity-Viewer.html

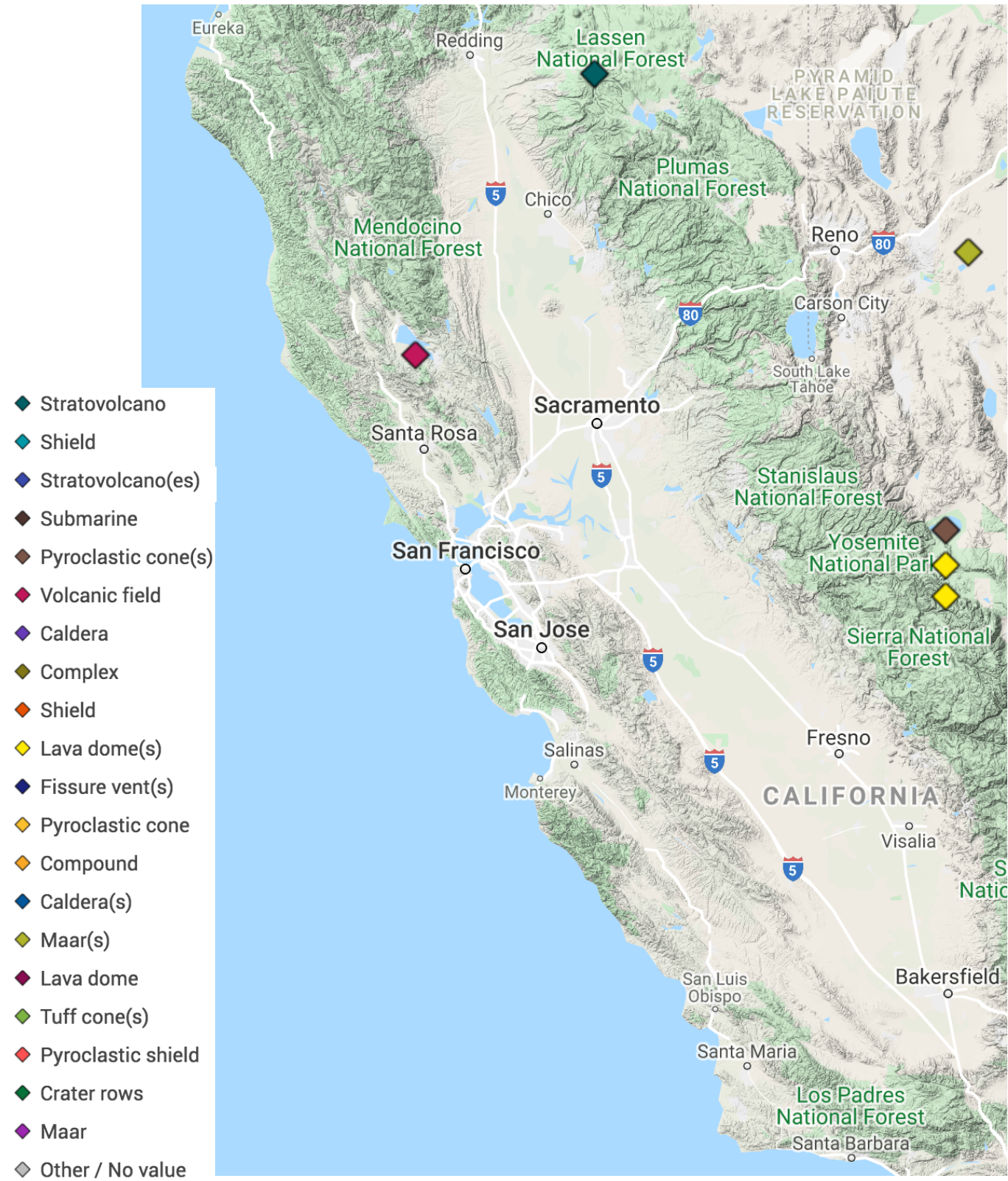
Coast Ranges, West Coast North America



- Andesite / Basaltic Andesite
- Basalt / Picro-Basalt
- Dacite
- Trachybasalt
- Rhyolite
- No Data (checked)
- Trachyte / Trachydacite
- Trachyandesite
- Foidite
- Phonolite
- Phono-tephrite

Display:
All Volcanoes from the last ~10,000 years (Holocene)
https://volcano.si.edu/list_volcano_holocene.cfm

Coast Ranges, West Coast of North America



Display: All Volcanoes from the last ~10,000 years (Holocene)

https://volcano.si.edu/list_volcano_holocene.cfm