Tsunami Flooding

Duration of Flood: Minutes to hours

Time to Peak: Variable (hours to days)

Area Flooded: Coastal areas

Causes of Flood: Earthquake

Engineered Structure Failure Flooding

Duration of Flood: Variable

Time to Peak: Minutes to hours

Area Flooded: Areas downstream of engineered structure (i.e., levees, dams)

Causes of Flood: Failure of structures

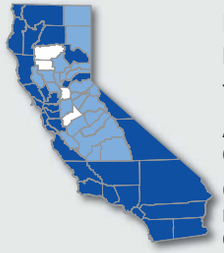
Coastal Flooding

Duration of Flood: Seasonal

Time to Peak: Hours to days

Area Flooded: Coastal areas, bays, back bays, sounds, and inland tidal waterways

Causes of Flood: Winter and Spring coastal storms, high winds, storm surges and high tides



Debris Flow Flooding

Duration of Flood: Hours

Time to Peak: Hours

Area Flooded: Areas downstream of denuded hillsides

Causes of Flood: Heavy localized rainstorms on hillsides with charred or denuded ground

Tsunami Flooding

Slow Rise Flooding

Engineered Structure Failure Flooding

Flash Flooding

Coastal Flooding

Debris Flow Flooding

Alluvial Fan Flooding

Stormwater Flooding

Potential Occurence by County

Absent | Present | Likely

Slow Rise Flooding

Duration of Flood: Weeks

Time to Peak: Days

Area Flooded: Deep floodplains and low-lying urban areas

Causes of Flood: Heavy precipitation especially with snowmelt

Flash Flooding

Duration of Flood: Hours

Time to Peak: Hours

Area Flooded: Steep slopes and impermeable surfaces, as well as adjacent to local streams and creeks

Causes of Flood: High-volume rainstorms, thunderstorms, or slow-moving storms

Alluvial Fan Flooding

Duration of Flood: Hours

Time to Peak: Hours

Area Flooded: Surface and toe of alluvial fans

Causes of Flood: High-volume rainstorms and thunderstorms; displaces high volume of sediment

Stormwater Flooding

Duration of Flood: Hours

Time to Peak: Hours

Area Flooded: Localized urban areas

Causes of Flood: Rainstorms along with blocked or overwhelmed storm drainage systems