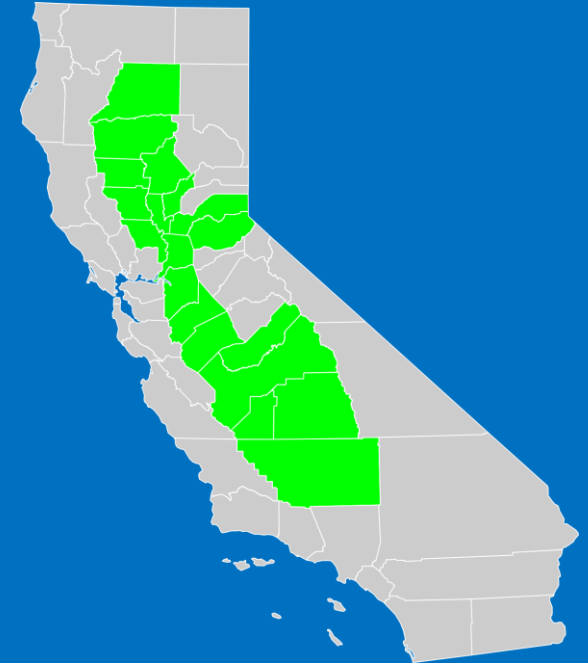


# Central Valley Flooding

Effected areas are from the Columbia River in Oregon, heading south to San Diego, California. Although the majority of damage in 1862 was found to be in the Sacramento and San Joaquin counties, the flood has the potential to extend into Utah, Idaho and Nevada territories.



## 1. The Affected

### Agriculture



The Central Valley is known for its agricultural industry. Sacramento itself boasts its food-to-fork statistics on their advertisements speckled throughout the county.

### Infrastructure



Buildings and other forms of infrastructure are at risk because they have been fortified against more common Californian disasters such as earthquakes and fires.



## 2. Flooding Effects

Food shortages, personal injuries and inaccessibility for medical professionals and emergency response teams.

Casualties: Death by drowning, structural failures, and debris.



Floods can cause unpredictable chaos and havoc to infrastructure, lifting, moving and/or collapsing buildings. Anything that is not anchored is suspect to this type of disaster.



### 3. Mitigating the Damages



There are some steps that have been taken to mitigate the damage, such as building higher foundations for certain buildings, but most of this danger has gone unacknowledged in the central valley for over a hundred years. Individuals can reduce their risk by stocking necessary emergency supplies and clothing and by making escape plans for high and covered ground,

Children should be aware of the dangers of flooding in California, no matter how infrequent it may occur. Adults and children alike should know how to evacuate their home in a safe and orderly fashion.





## 4. Personal conclusions

Although floods can be somewhat foreseen by observing atmospheric patterns and events, the necessities for surviving a flood are material, mental, and require preparation for proper execution.



Infrastructures have not been actively fortified against such disasters due to the common human optimism bias. To rely on the works of others (buildings) is to gamble with your survival rate. It is always better to be prepared than sorry.

