



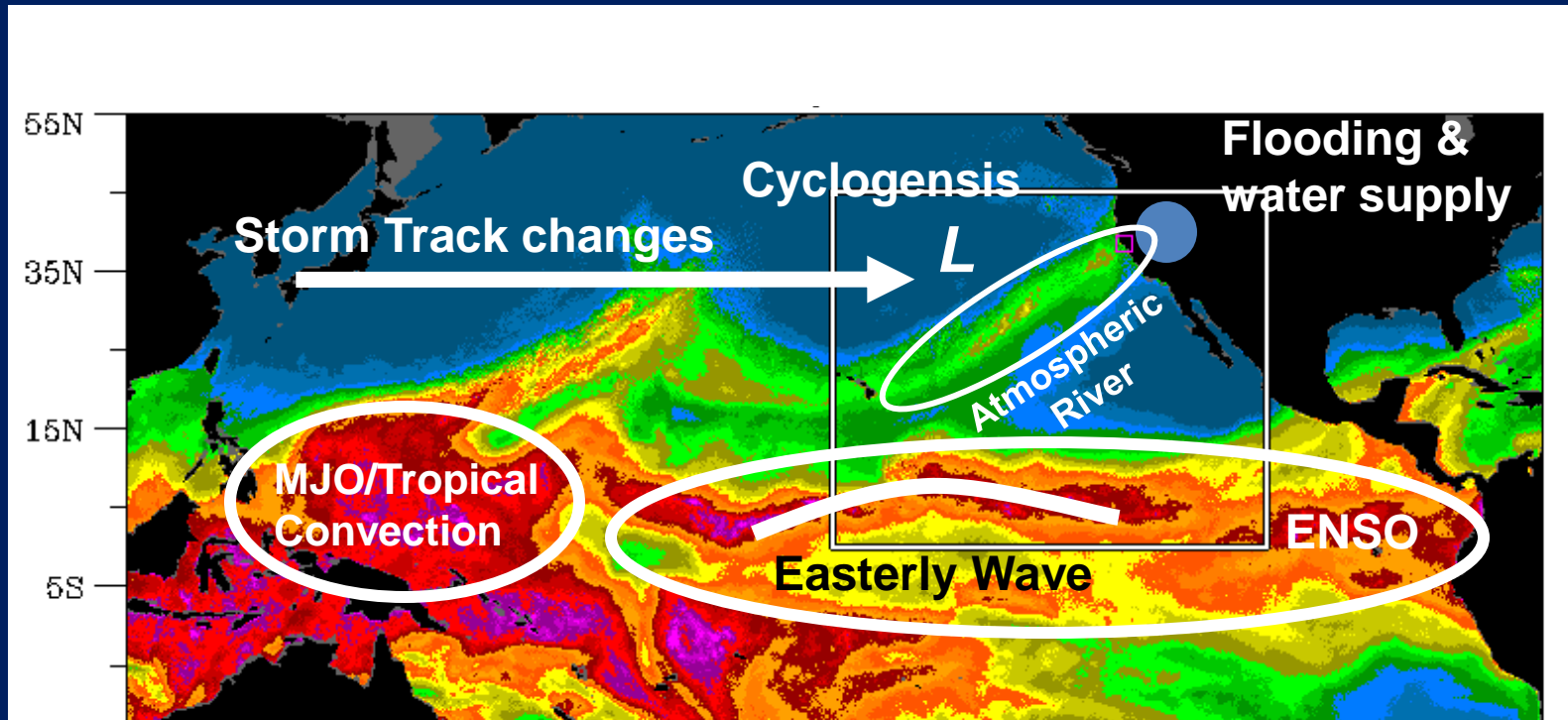
Estimating 250 year floods in a changing world

Michael Anderson
State Climatologist

Tahoe Climate Science Symposium 2014

Key Phenomena Affecting California

Water Supply/Flooding:

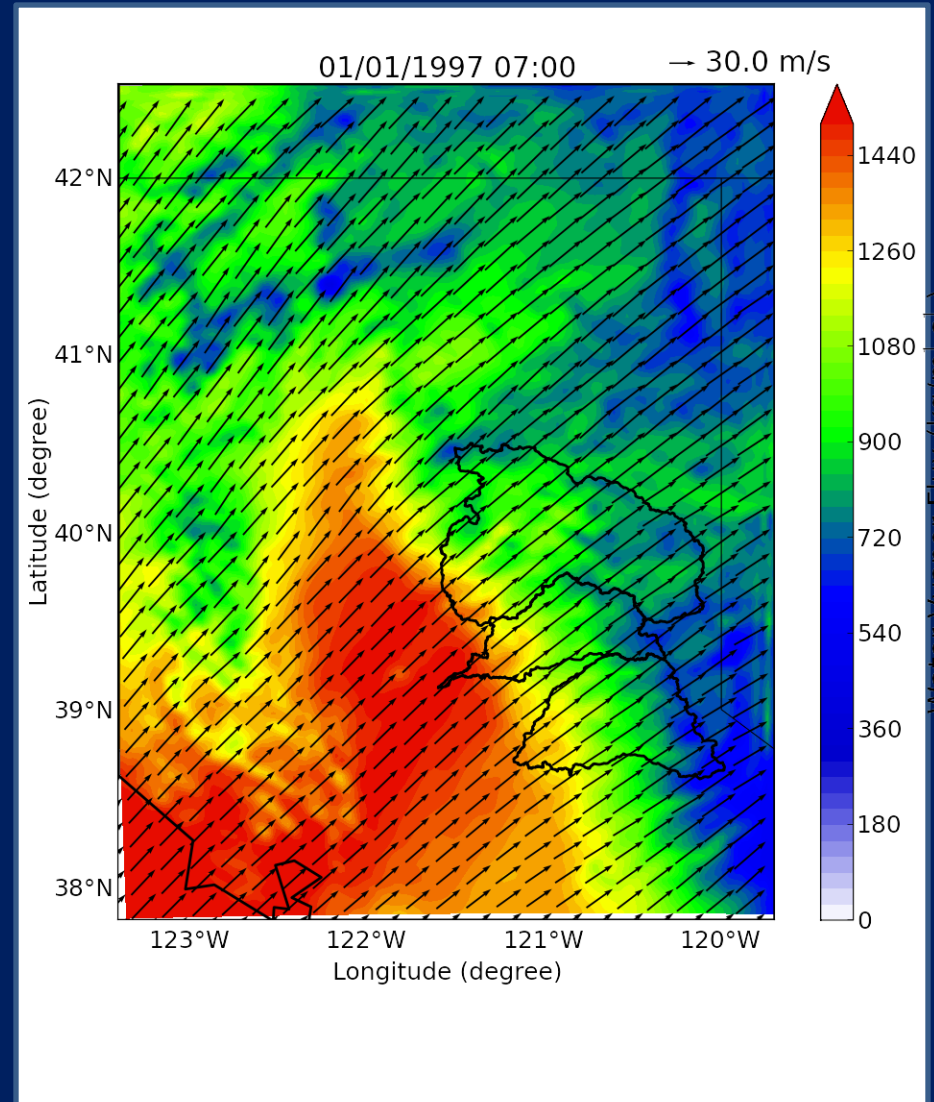


The size of the AR results from the alignment of key processes

The absence of AR activity important to drought

Climate Change and AR Processes

- Duration
- Freezing Elevation
- Moisture Flux
(low level wind*IWV)
- Direction of Impact



From AR to Flood

- Moisture Flux to Precipitation
- Antecedent Watershed Conditions
- Heavy Precipitation Locations

