

## Storm Water → One Water??

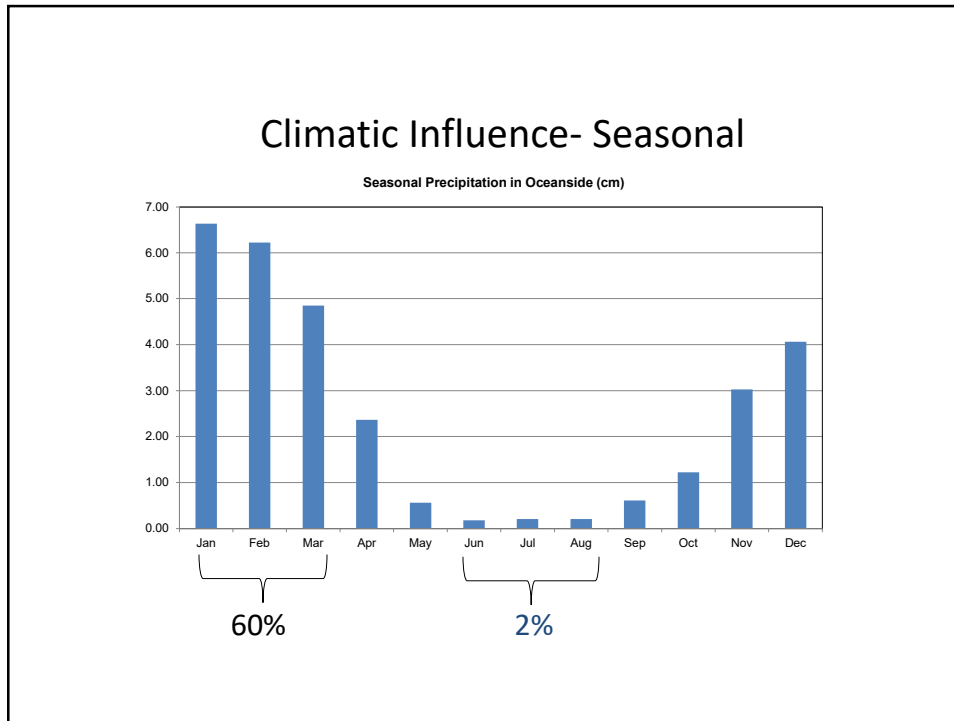
- Our Climate
- Our Geology
- Storm Water Management
- Opportunities and Challenges

1

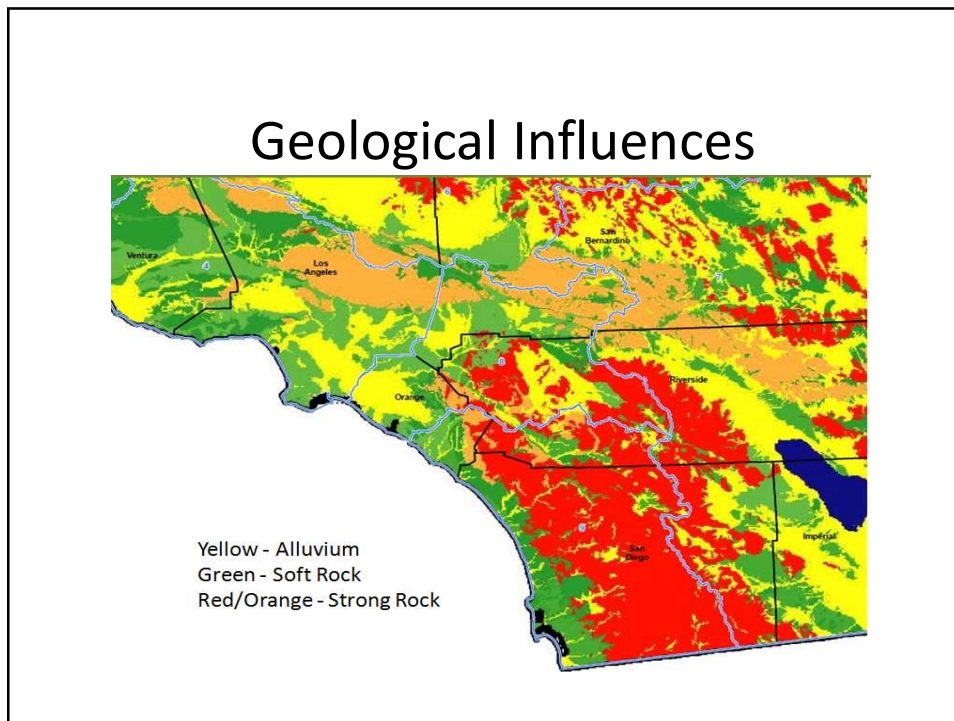
### Climatic Influence- Other Variables

- El Niño and La Niña Oscillations
- Pacific Decadal Oscillations
- Century-scale and Millennial Climate Cycles
- Mediterranean Climatic Patterns
- Anthropogenic

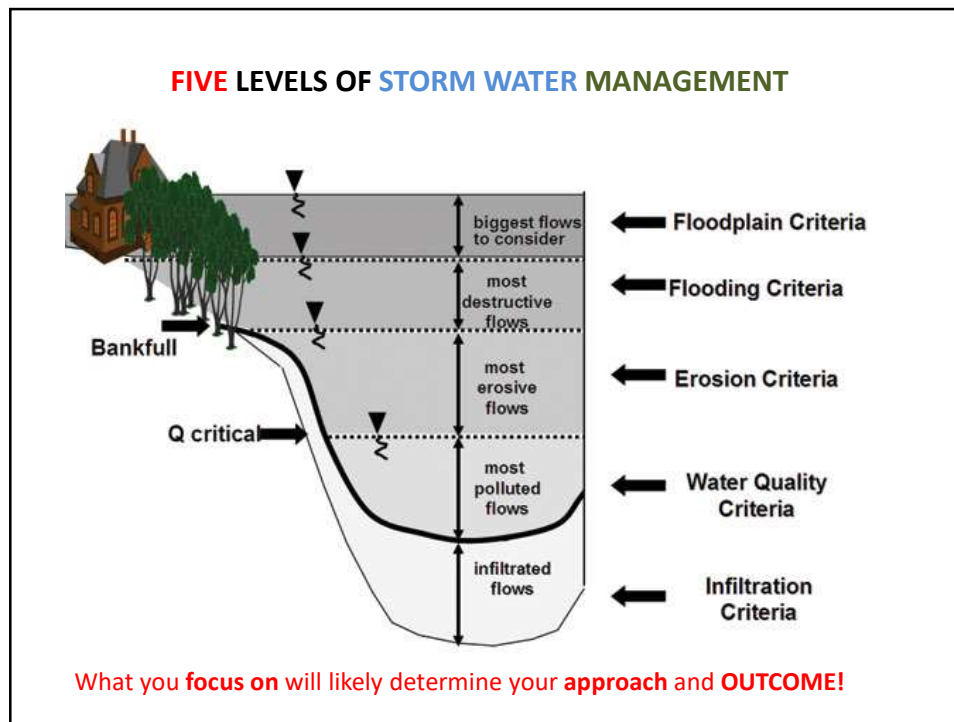
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## Opportunities and Challenges

### ➤ Opportunities

- Design Capture Volume (DCV)/85<sup>th</sup> Percentile
- Capture/Divert at storm drain inlets
- Capture/Divert at end of pipe or in channel
- Hydromod volume? (onsite storage)
- Regional storage (inline & offline – flowby & flowthrough)
- Dry weather flows (by default)
- Need for more water in some sewer systems
- Part of plan to address TMDLs?

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## Opportunities and Challenges

### ➤ Challenges

- Existing regulations not anticipating this
- Existing prohibitions (e.g., federal, state, and local laws)
- Existing infrastructure
- Existing frameworks/perceptions
  - PUDs, sewer districts
  - RWQCB philosophy on end-of-pipe v. source?
- Infrequency and random nature of precipitation (not reliable)
- Geotechnical considerations