

# District Climate Change Vulnerability Assessments

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# Caltrans District Climate Change Vulnerability Assessments

Climate Change Stressors Studied:



Sea Level Rise



Storm Surge



Precipitation



Increased  
Temperatures



Wildfire



Project future climate scenarios (2050, 2070, 2100)



Identify and map segments of the State Highway System at risk of impact from climate change



Provide Summary and Technical Reports and online viewer tool to all twelve Districts

# Vulnerability Assessment Delivery Schedule



District 4 (released)

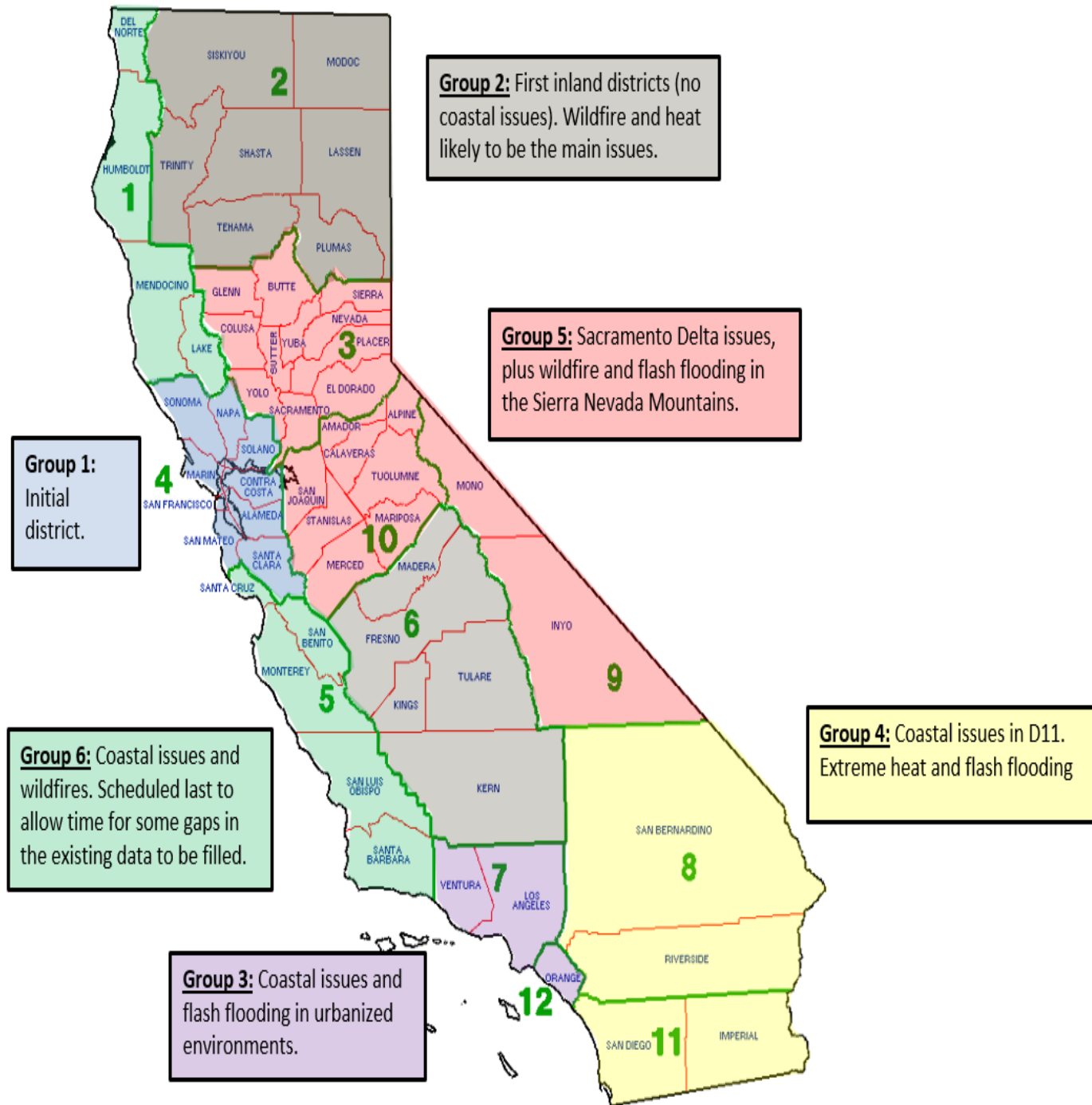
Districts 2 and 6 (released)

Districts 7, 8 and 11  
(Released)

Districts 10 and 12  
(Released)

District 3 and 9 (Released)

District 1 and 5 (December  
2019)

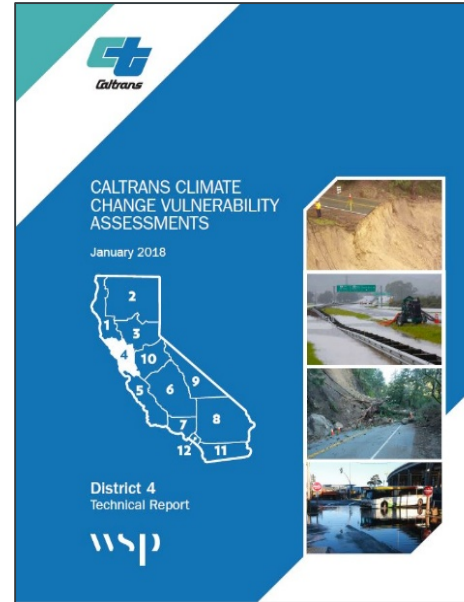


# Products for Each of the Twelve Caltrans Districts



## Summary Report

- Overview of District Characteristics
- Description of the interaction of the transportation system and identified stressors



## Technical Report

- Background on data Sources
- Technical methodology to derive results



## On-line viewer Tool

- Interactive mapping tool that allows users to toggle stressors on and off to visualize locations of climate change stressors by postmile



# Next Step: Caltrans Climate Action Reports

Using data from vulnerability assessments, develop adaptation strategies for assets at highest risk of climate change impact(s)

Step

1

## Caltrans Climate Change Adaptation Strategy Report

- › Identify adaptation strategies and best practices
- › Integrate into Caltrans business operations

Step

2

## District-Adaptation Report

- › Identify and prioritize at risk assets
- › Design project alternatives

# Questions?

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Link to Vulnerability Assessment Reports:

<https://transplanning.onramp.dot.ca.gov/climate-change-vulnerability-assessments-0>