Strange Passions! Haunting Terror! Guilty Love!

ALEX NICOL HILLARY BROOKE

with SIDNEY JAMES . SUSAN STEPHEN . PAUL CARPENTER

Produced by Anthony Hinds • Directed by Ken Hughes Screenplay by Ken Hughes • Based on his novel "High Wray" A HAMMER PRODUCTION • A LIPPERT PICTURES PRESENTATION

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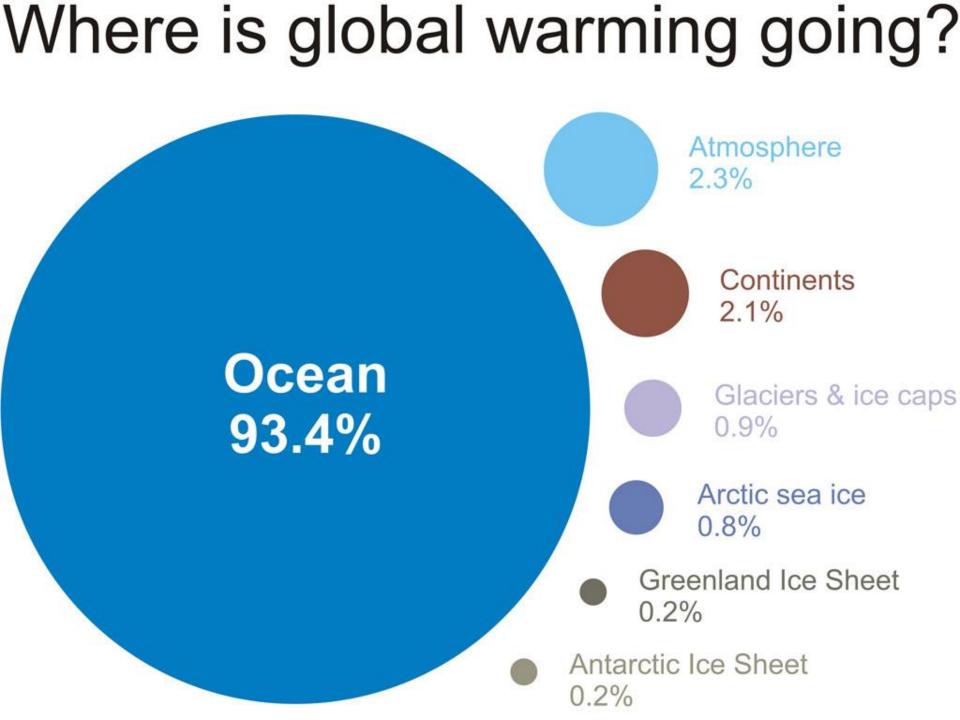
Pierce County Flooding in 2009

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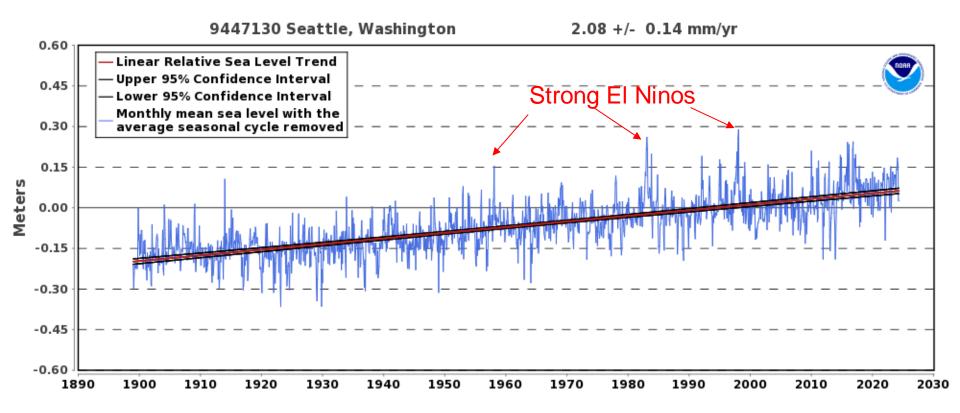
Climate Change and its Impacts on Flooding in Pierce County



Historical Record Future Projections



Sea Level in Seattle's Elliott Bay



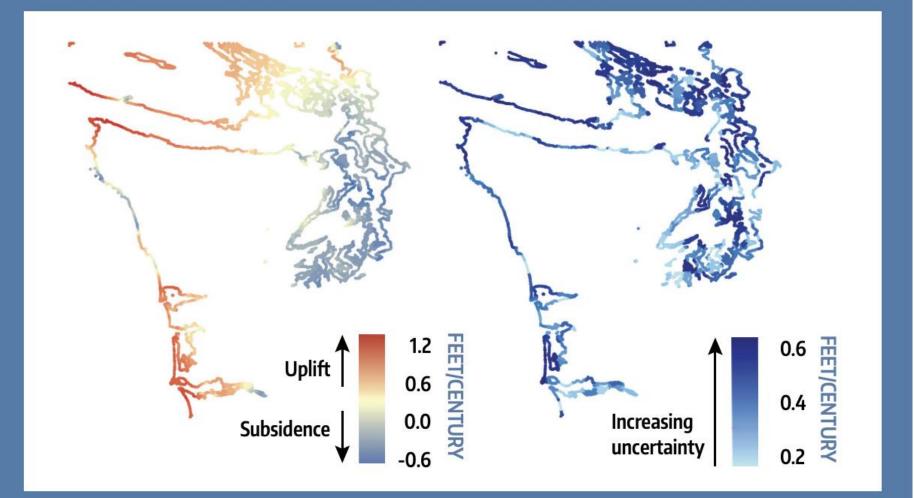


PROJECTED SEALEVEL RISE for WASHINGTON STATE

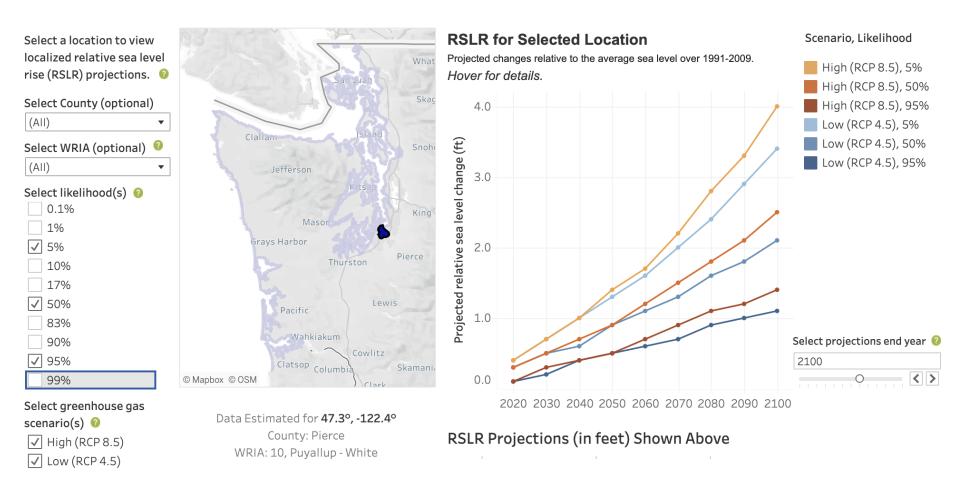
The Washington Coastal Resilience Project (WCRP)

A 2018 ASSESSMENT

FIGURE 3: Vertical land movement best estimate rates (left) expressed in rates of feet/century, and their uncertainties (1 standard deviation, right) as estimated for Washington's coastline.

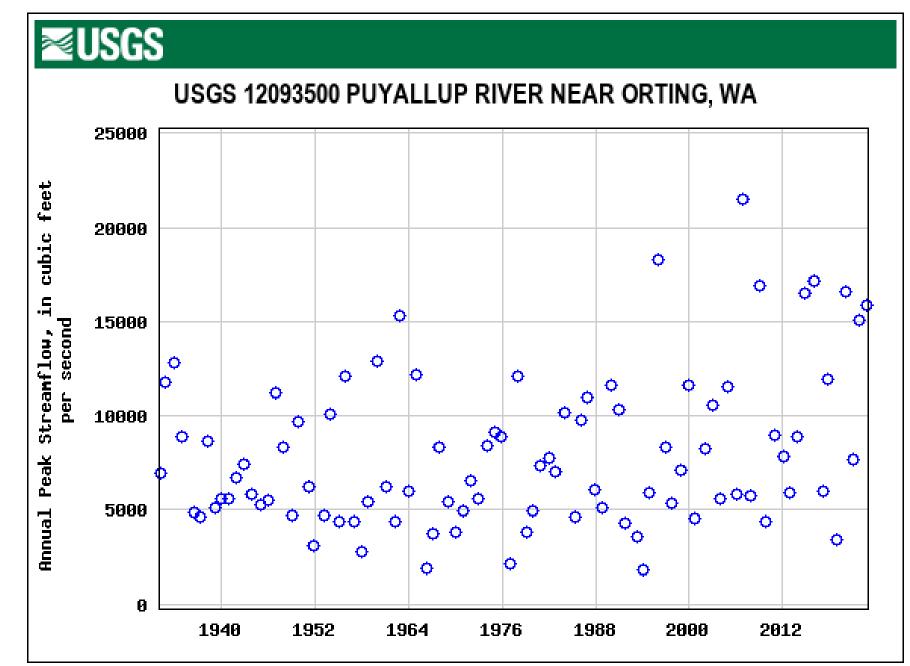


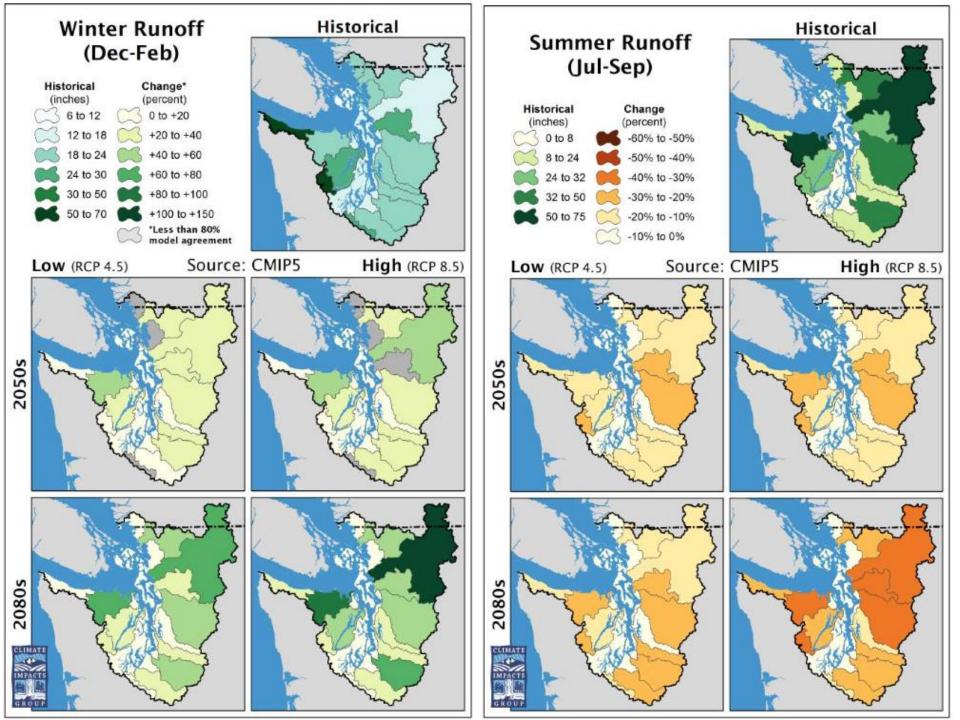
Projected Changes in Sea Level at Commencement Bay

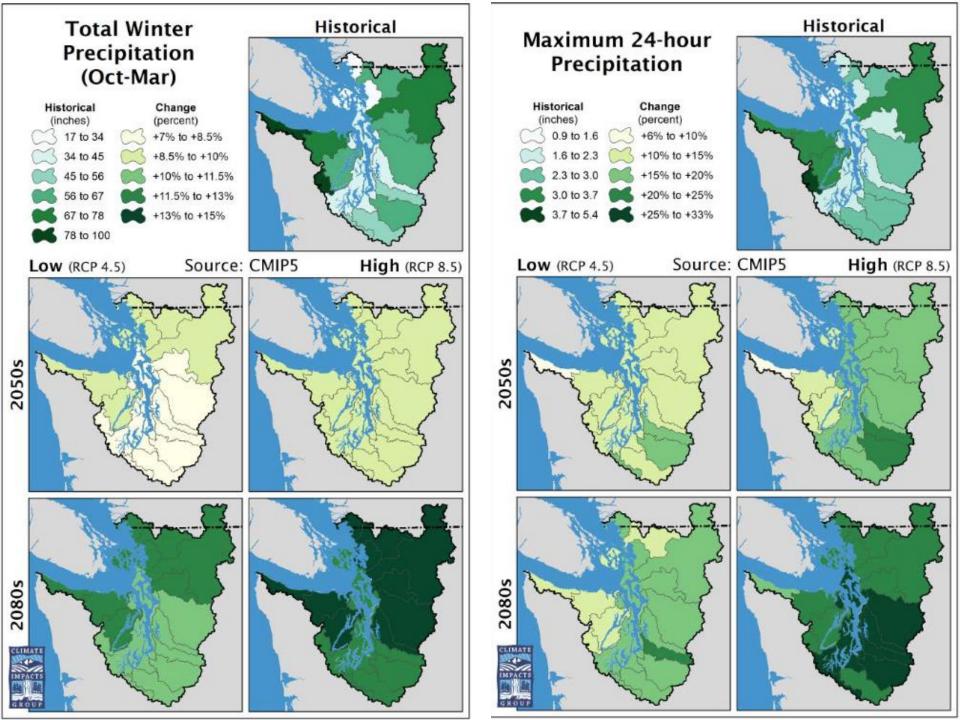


Assumes subsidence of 0.5 feet/century

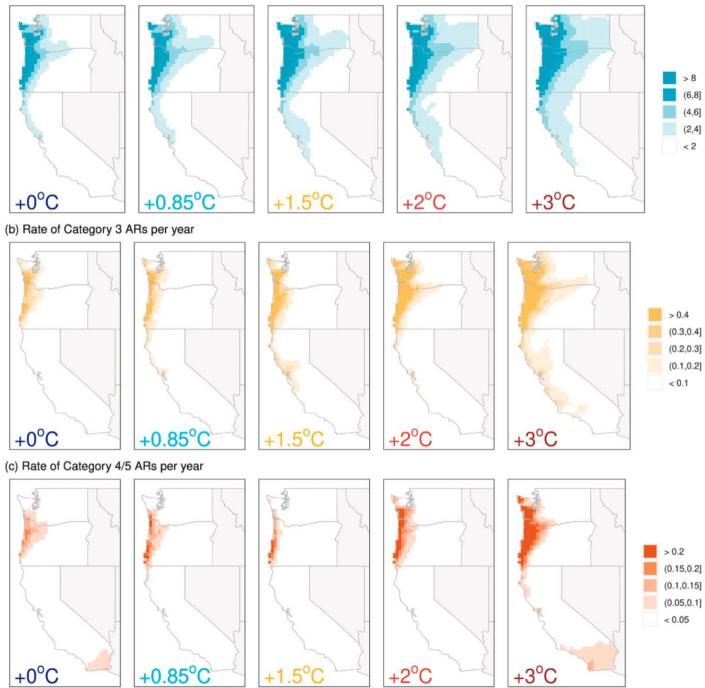
Magnitudes of Greatest 1-Day Streamflows







(a) Rate of Category 1/2 ARs per year



Projected Changes in Frequencies of Atmospheric Rivers

Rhoades et al. (Weather and Climate Extremes 2021)



Seattle P-I 2005

Summary

- Along with increasing temperatures, in the Pacific NW we are expecting wetter winters and drier summers
- Coastal flooding due to sea level rise and high river flows is apt to become increasingly problematic
- Given present resources and the policy landscape, what actions should be taken in recognition of the changing climate?