# 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

Copyright 10(41,0001,711000,000,000.

and a second sec

 Property of Neurosci Science Services Care, Logistud for allottal and an interaction with January manufacture of this perform of your fraction. Man Security Interactions, Interaction.

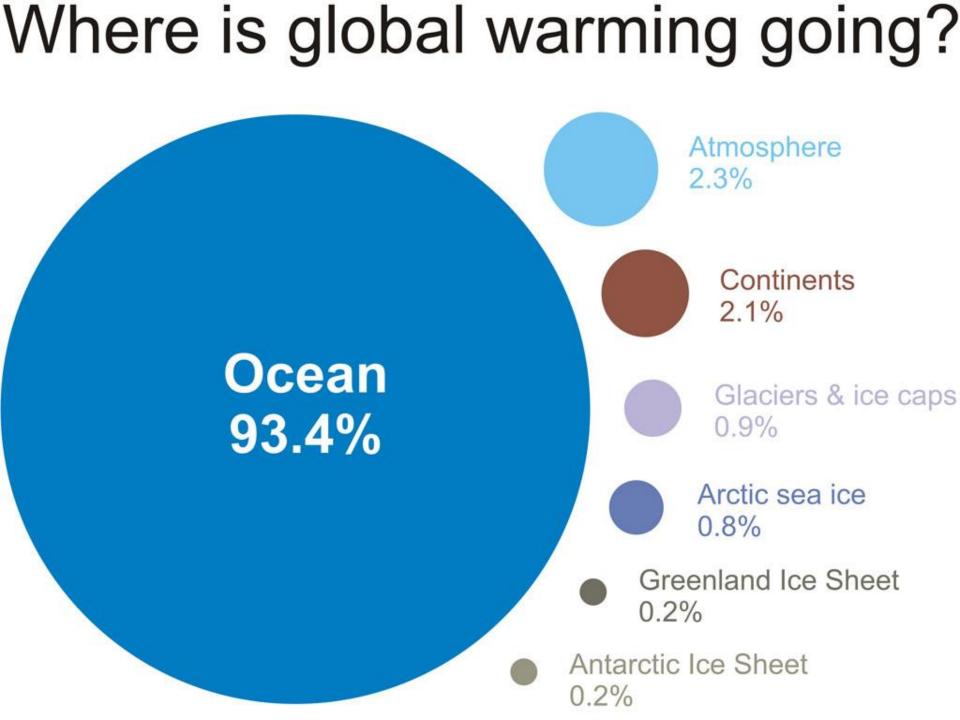
#### **Pierce County Flooding in 2009**

 $\odot$ 

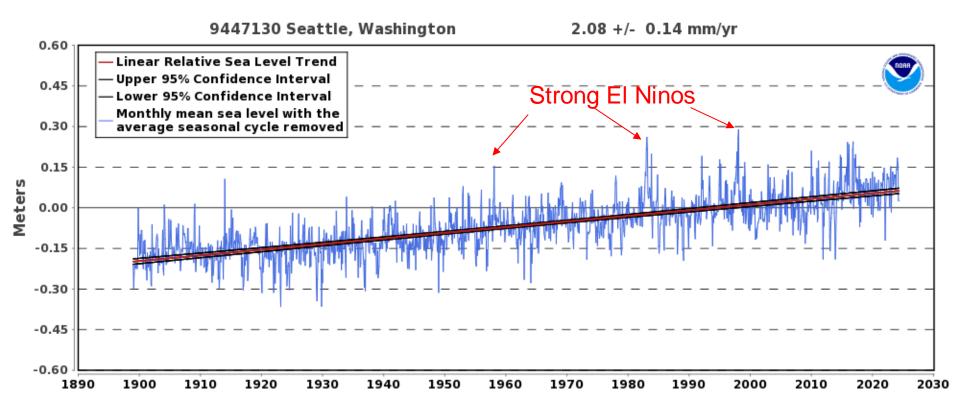
### Climate Change and its Impacts on Flooding in Pierce County



### Historical Record Future Projections



#### Sea Level in Seattle's Elliott Bay



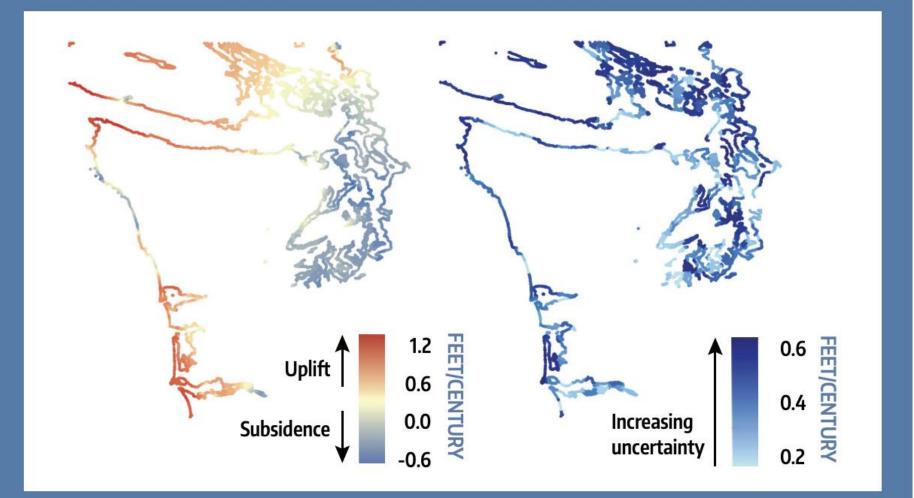


## PROJECTED SEALEVEL RISE for WASHINGTON STATE

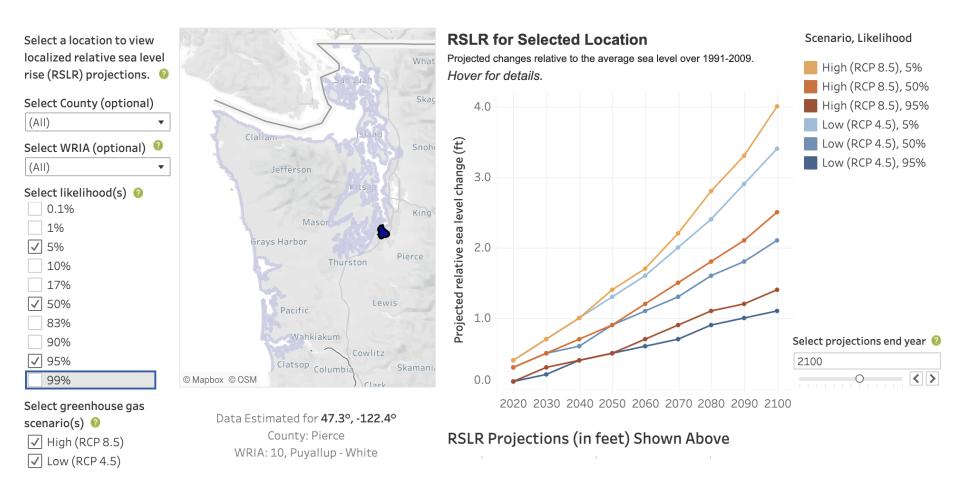
The Washington Coastal Resilience Project (WCRP)

### 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.

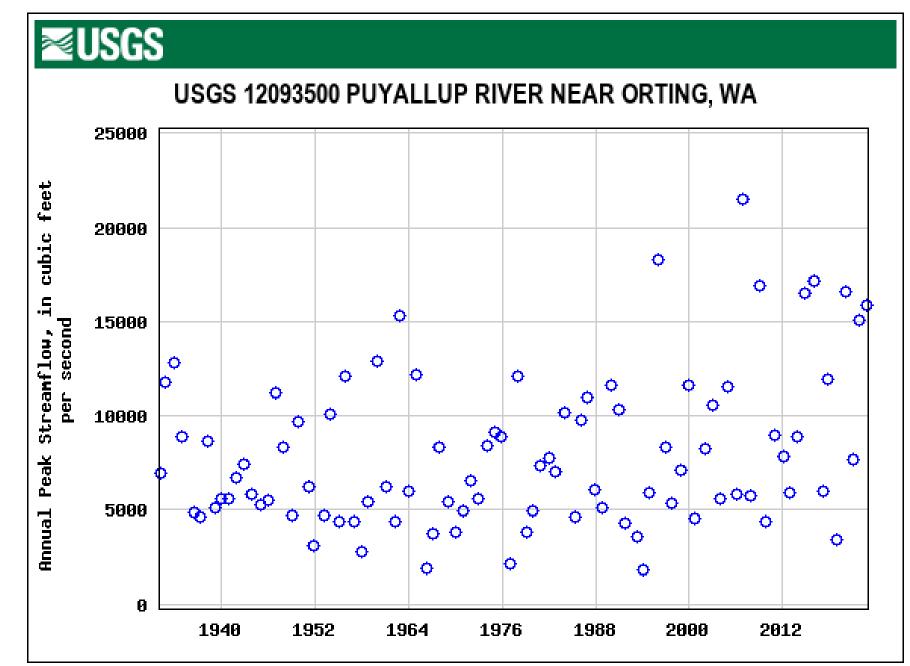


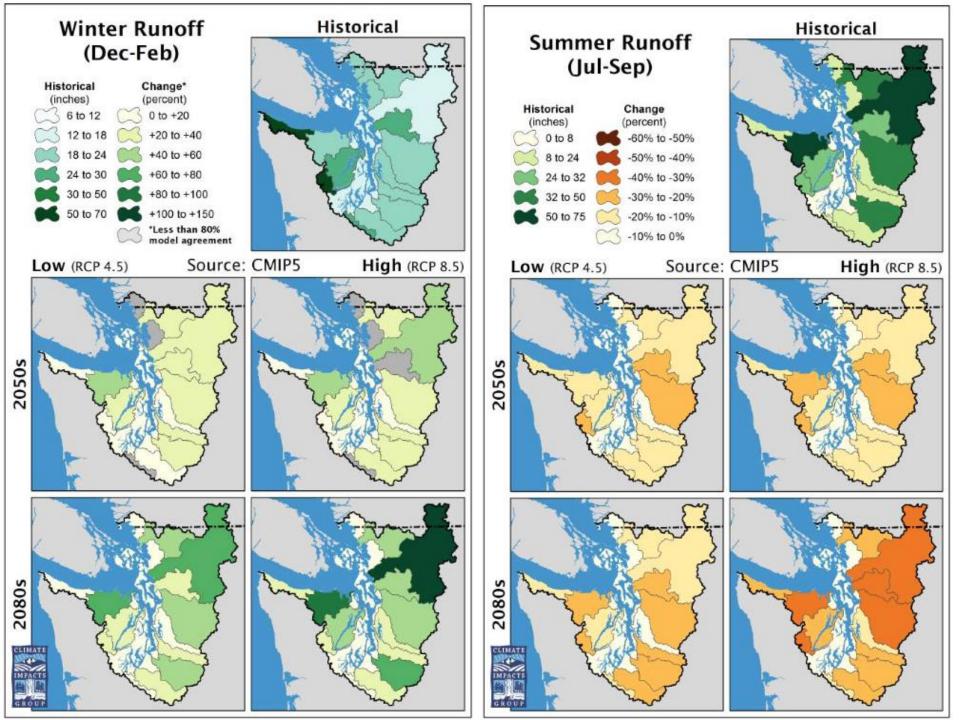
#### Projected Changes in Sea Level at Commencement Bay

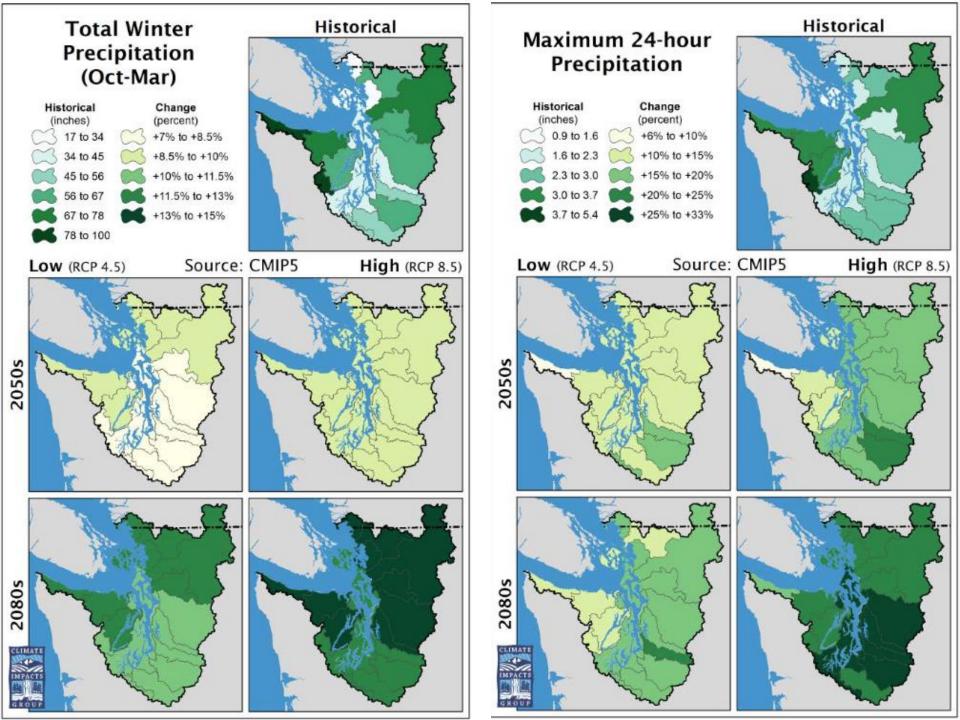


Assumes subsidence of 0.5 feet/century

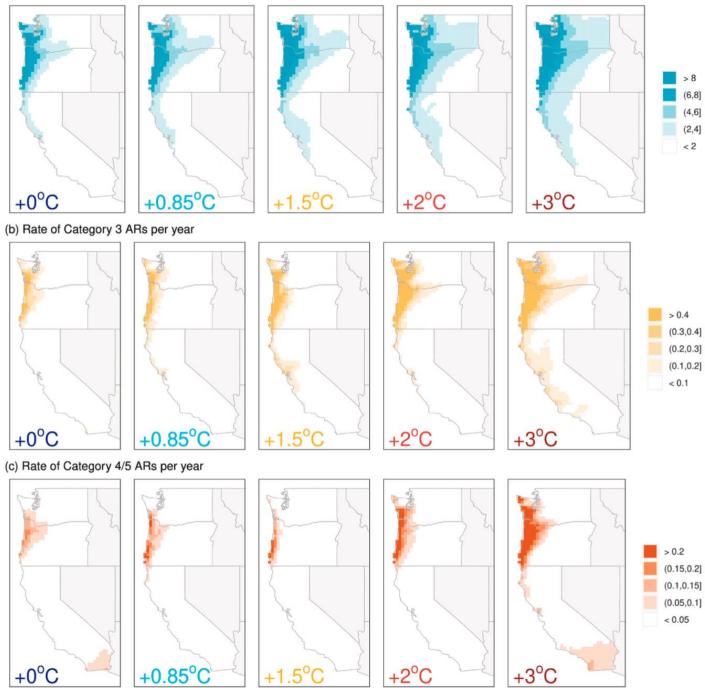
### Magnitudes of Greatest 1-Day Streamflows







(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?