



Preparing for Climate Change in King County

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Preparing for climate change is no longer a choice.

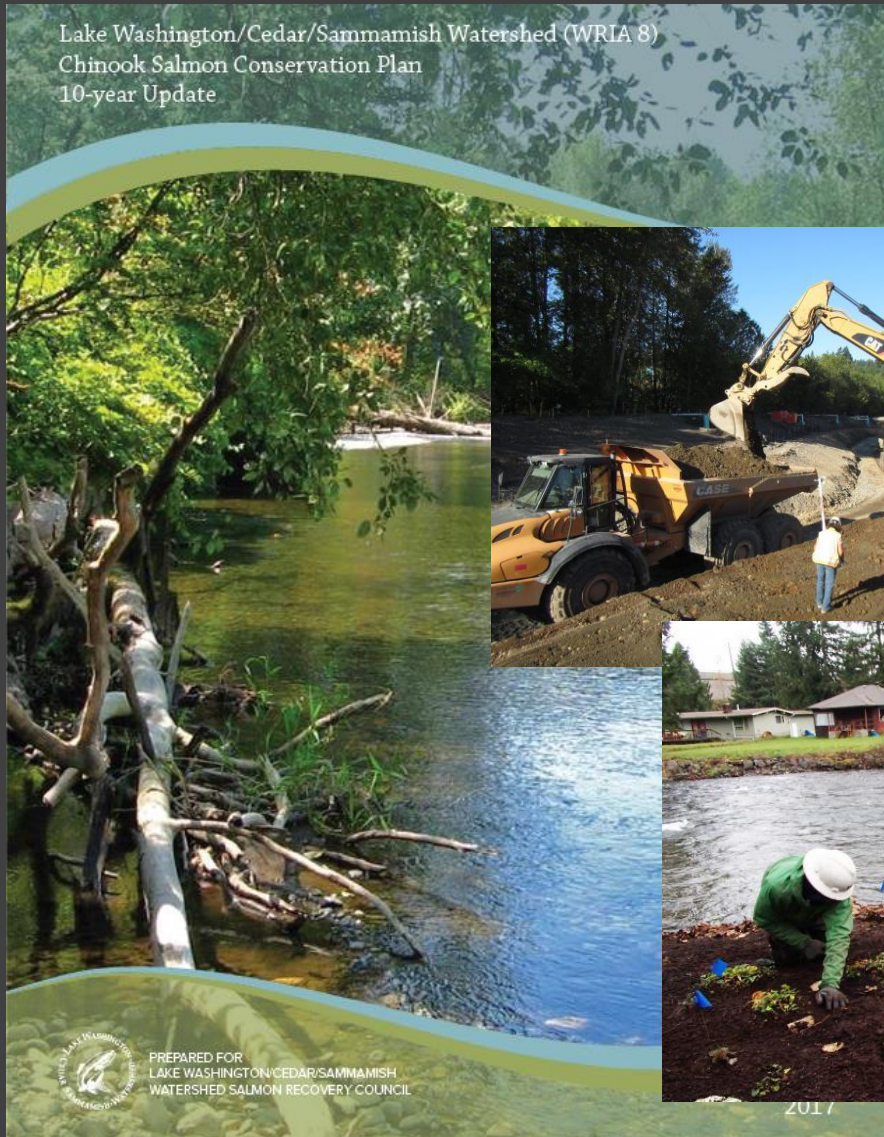
*Climate change is happening, and it is accelerating.
We are already committed to a century or more of change*



Direct and indirect impacts of climate on salmon

- Stream temperature
- Streamflow volume
- Sediment
- Food availability, quality
- Predation
- Disease
- Ocean conditions
- Habitat quality, connectivity
- Reservoir management
- Floodplain management
- Community responses to sea level rise
- Changes in land cover
- Toxics

The good news....



The not-so-good news....



KING
COUNTY
2020
**Strategic
Climate
Action Plan**



King County's 5-year strategy for:

- reducing greenhouse gas emissions
 - preparing for the impacts of climate change
 - advancing climate equity
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2020 SCAP PRIORITIES FOR CLIMATE PREPAREDNESS

Reduce climate risks
equitably

Operationalize
climate
preparedness via
“mainstreaming”

Accelerate regional
preparedness

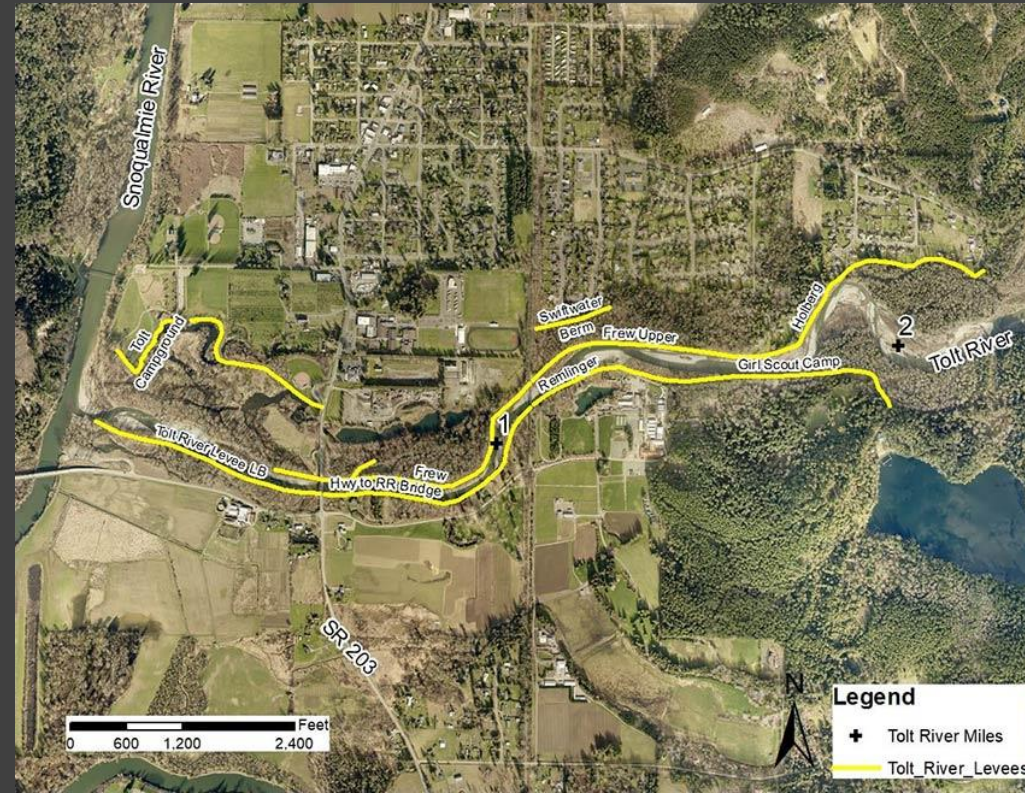


2020 SCAP Actions Supporting Salmon Recovery

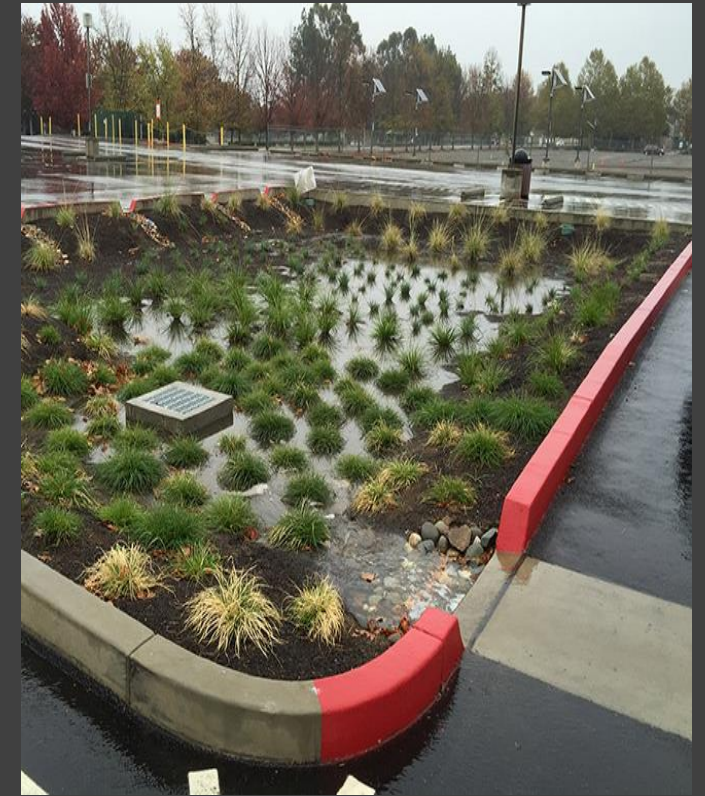
Incorporating Climate Change into Capital Projects



Fish Passage Restoration Program



Flood management infrastructure and mitigation activities (e.g., Tolt Levee Level of Service Analysis)



Stormwater facility & wastewater conveyance infrastructure design

Investments in Research & Technical Capacity



Assess potential benefits of levee setbacks on summer low-flow conditions.

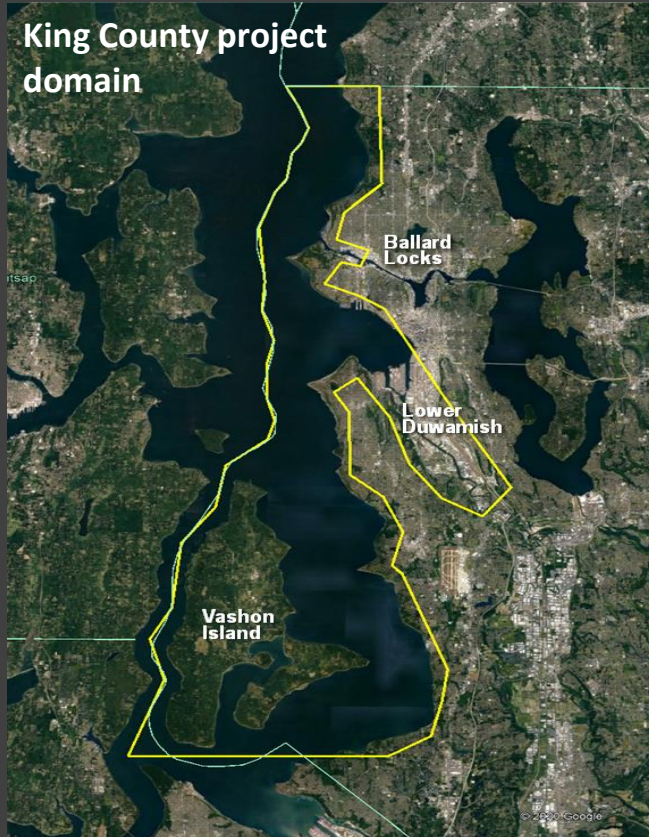


Evaluate projected changes in flood flows, summer low flows in major King County watersheds.



Partner with others to better understand and enhance the role of upper watershed forests in reducing climate change impacts on salmon

Investments in Research (cont'd)



Partnering with USGS to assess future changes in coastal flood extent, frequency

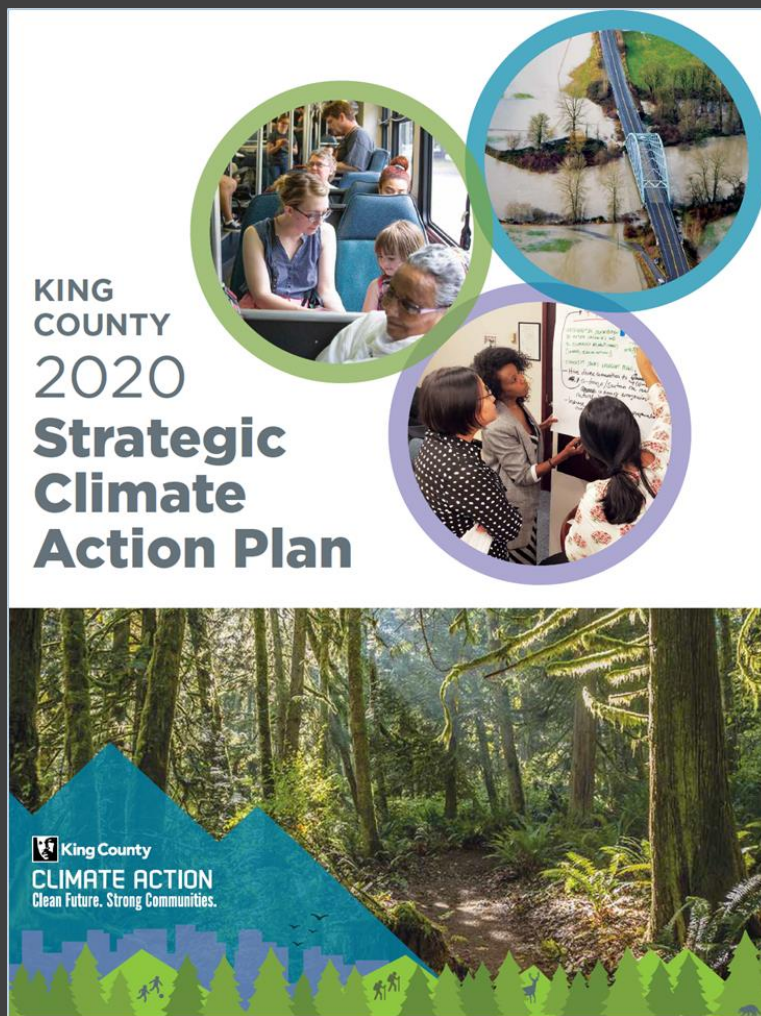
Accounting for Climate Change in Plans, Codes, Policies



Incorporate climate change into Flood Management Plan update 2024 Comprehensive Plan, Stormwater Investment Plan



Updating shoreline codes to provide more clarity on bulkhead rules and to account for sea level rise



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