

Welcome!

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Capital Budget Writers Basin Tour
September 17, 2018
Hosted by

THE OFFICE OF
CHEHALIS BASIN



DEPARTMENT OF
ECOLOGY
State of Washington

The Chehalis River Basin

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A Fertile & Bucolic Region ...

3



... With Extreme Flooding




An Abundant River Basin...



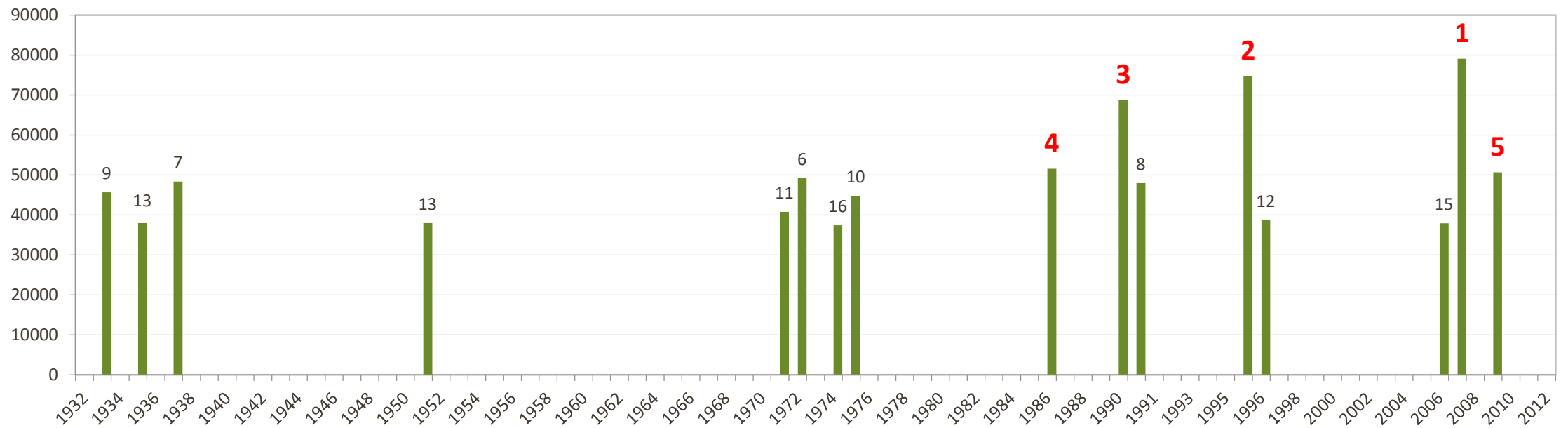
...With Struggling Aquatic Species

6

- 
- A large fish, possibly a salmon, is shown swimming in turbulent, dark water. The fish is positioned horizontally across the frame, with its head on the left and tail on the right. The water is dark and choppy, with white foam and bubbles visible around the fish's body. The fish has a silvery, scaly texture and a prominent dorsal fin. The overall scene conveys a sense of struggle and movement.
- Harvest limited by poor runs over the last 30 years
 - Habitat productivity degraded by up to 80 percent

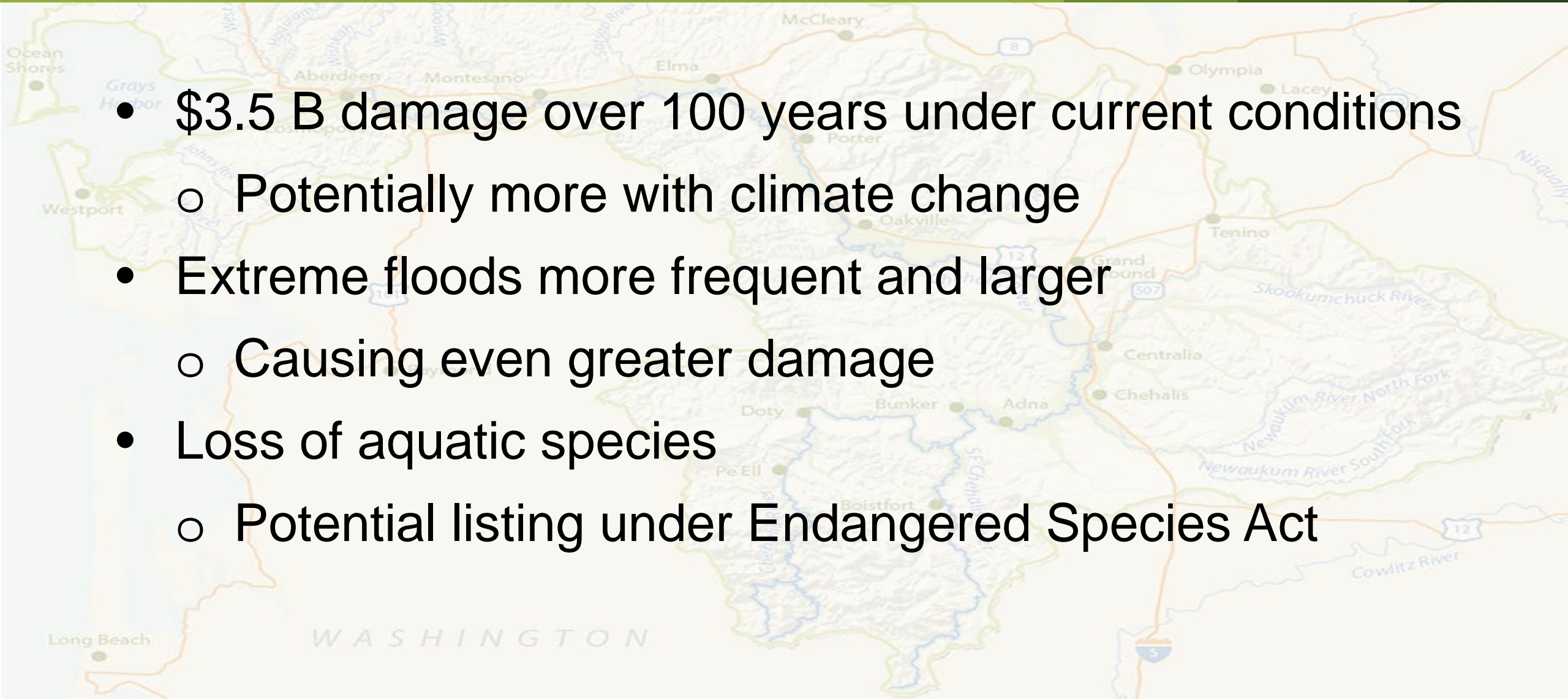
Floods Are Getting Worse

- I-5 closed in 1990, 1996, 2007, 2009
- Five largest flood events have occurred since 1986



No Action Consequences

- \$3.5 B damage over 100 years under current conditions
 - Potentially more with climate change
- Extreme floods more frequent and larger
 - Causing even greater damage
- Loss of aquatic species
 - Potential listing under Endangered Species Act



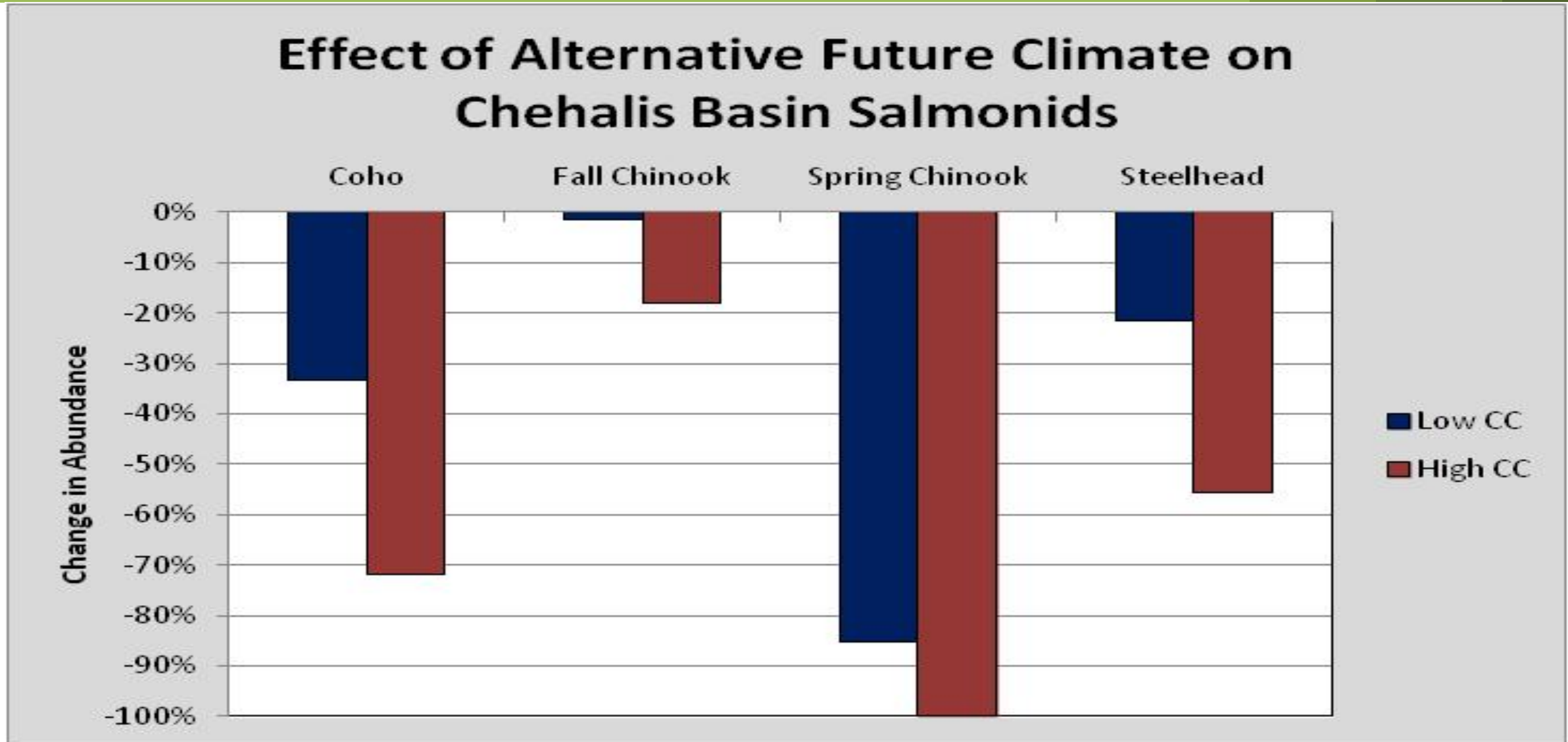
Grays Harbor Flood Forecast Gap

9



Climate Change Accelerating Species Decline

10



OCB MISSION



To aggressively pursue an integrated strategy & funding for:

- long-term flood damage reduction
- aquatic species restoration

CHEHALIS BASIN BOARD



STATE OF WASHINGTON

OFFICE OF THE GOVERNOR



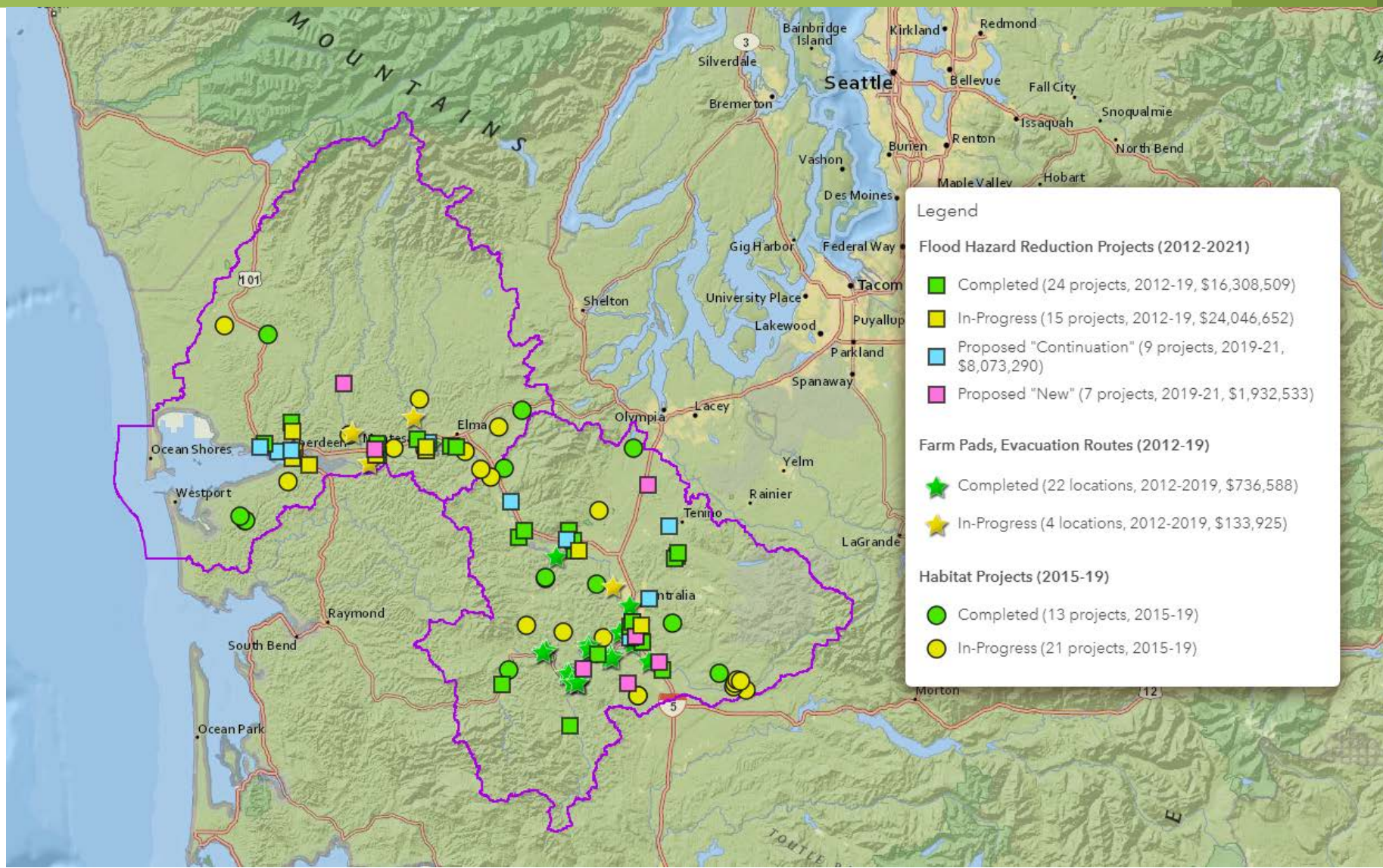
WASHINGTON STATE DEPARTMENT OF
NATURAL RESOURCES



**Washington State
Department of Transportation**

Accomplishments So Far

13



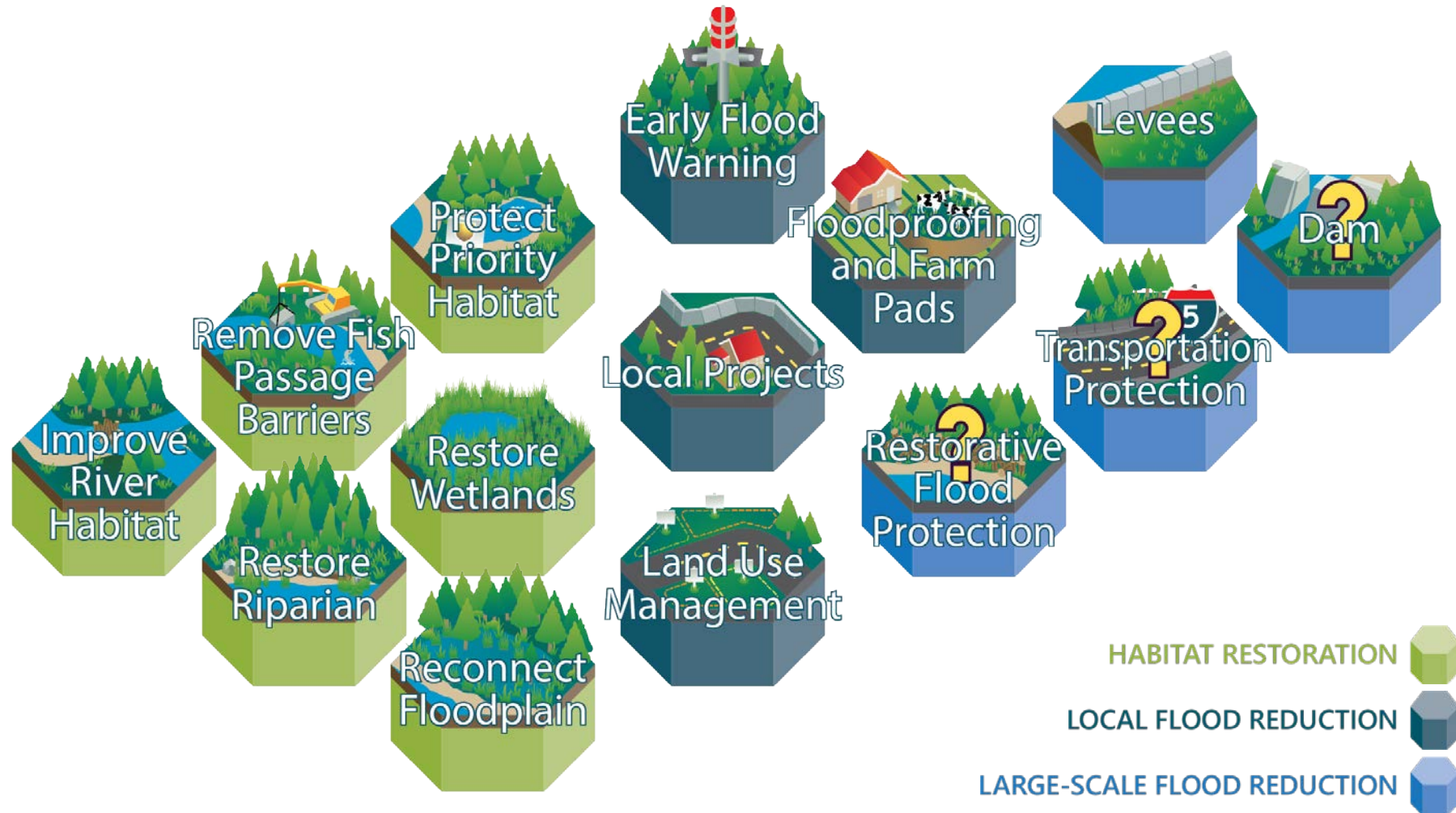
Our Mission in Action

14



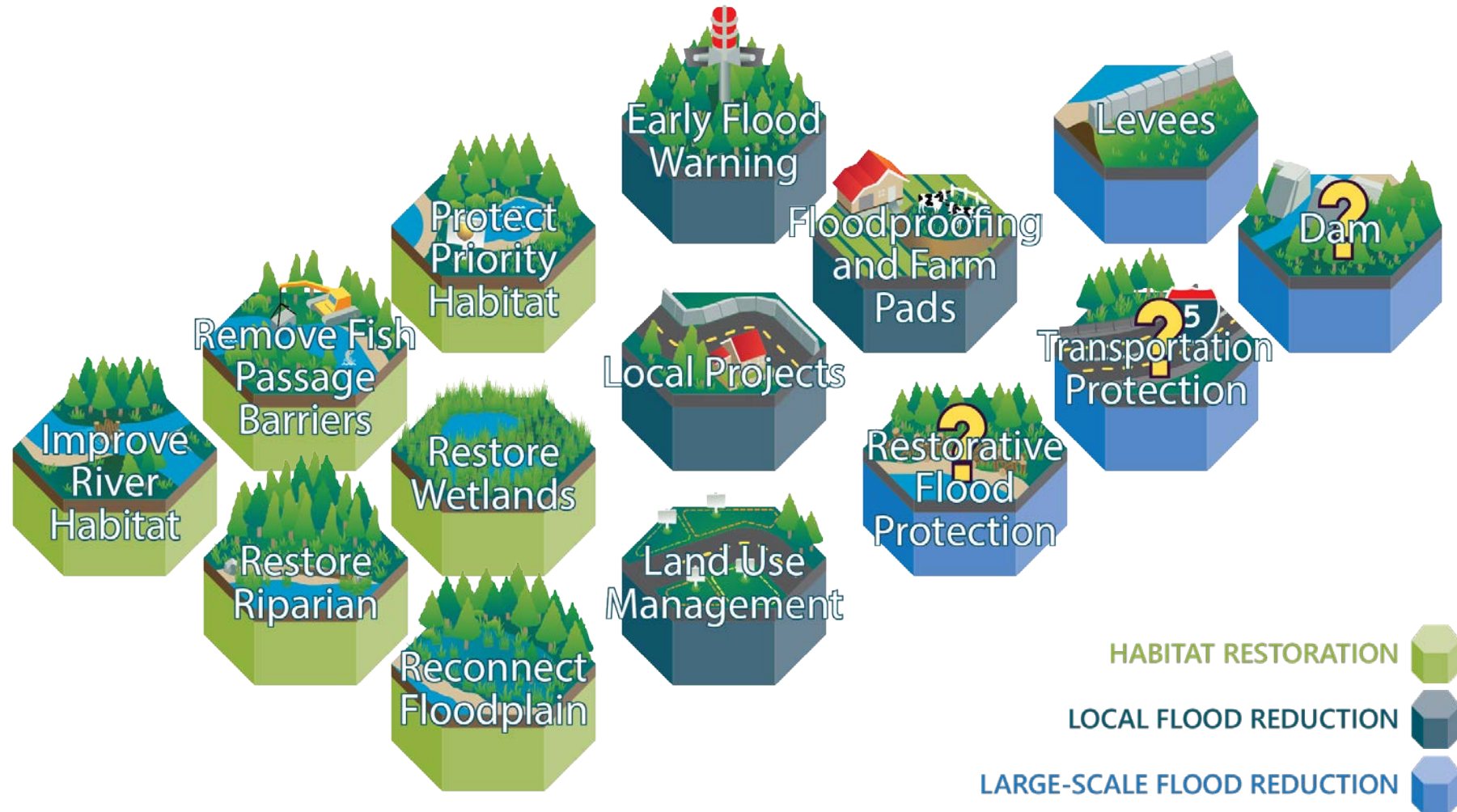
Our Mission in Action

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Our Mission in Action

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Accomplishments So Far

17



34 Fish Barrier Removal Projects



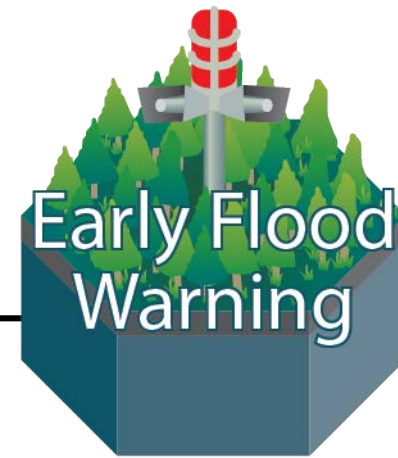
26 Farm Pads



55 Local Flood Damage Reduction Projects

Accomplishments So Far, cont.

18



**Chehalis River Basin
Flood Warning System**

www.chehalisriverflood.com

2017-19 Work Plan

On-the-ground work to be accomplished this biennium:



17 new projects to
open 32.5 more miles



Design of 5 mile+ long reaches
for construction in 2020



Construction of
current list + ranking
of 17 new projects

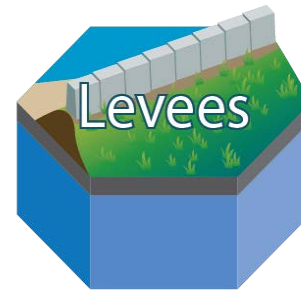


Construction of up to
5 more priority pads

2017-19 Work Plan

20

Long-Term Strategy Activities this biennium:



Final Design
North Shore Levee



Newaukum sub-basin
feasibility

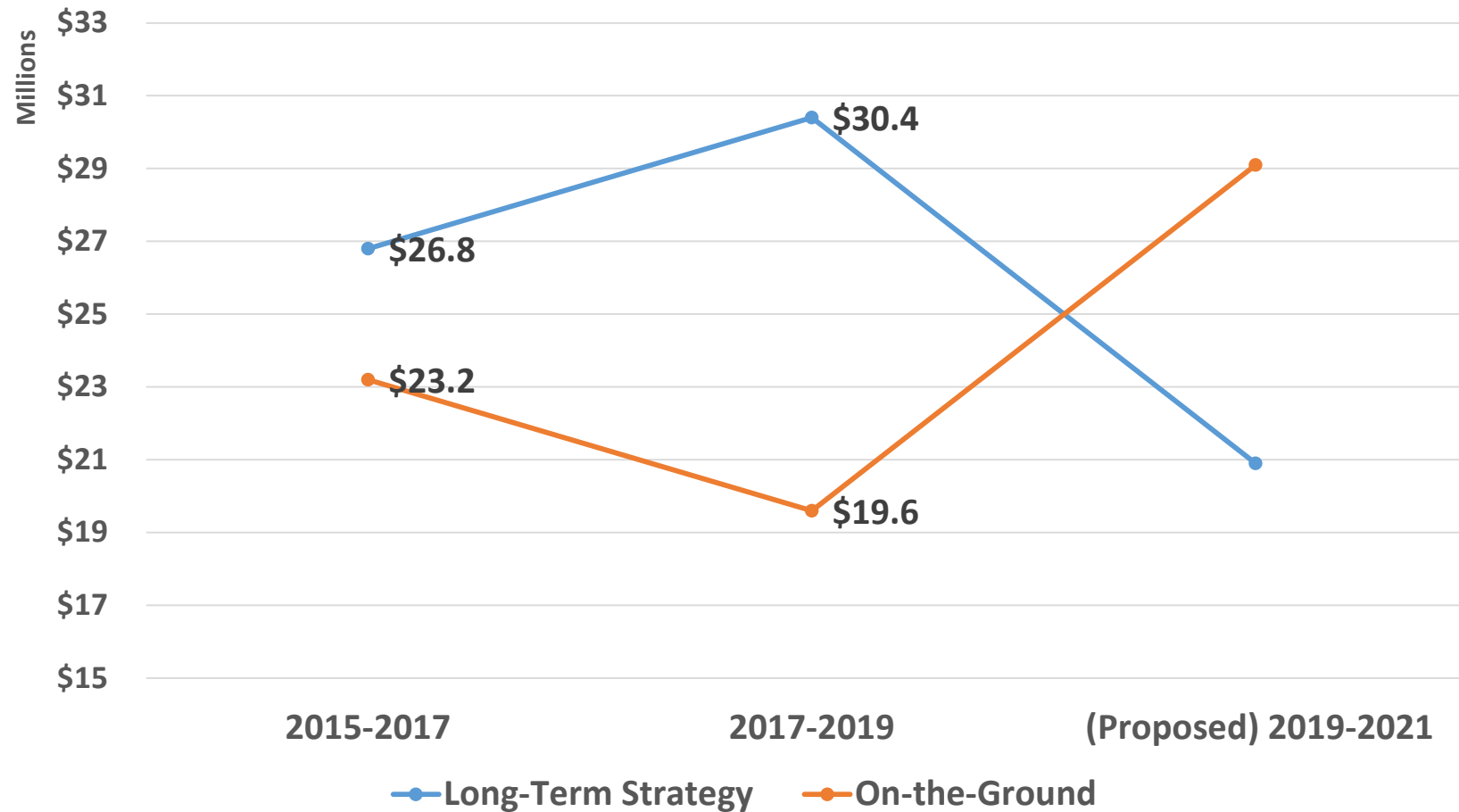


Draft basin-wide
flood proofing strategy

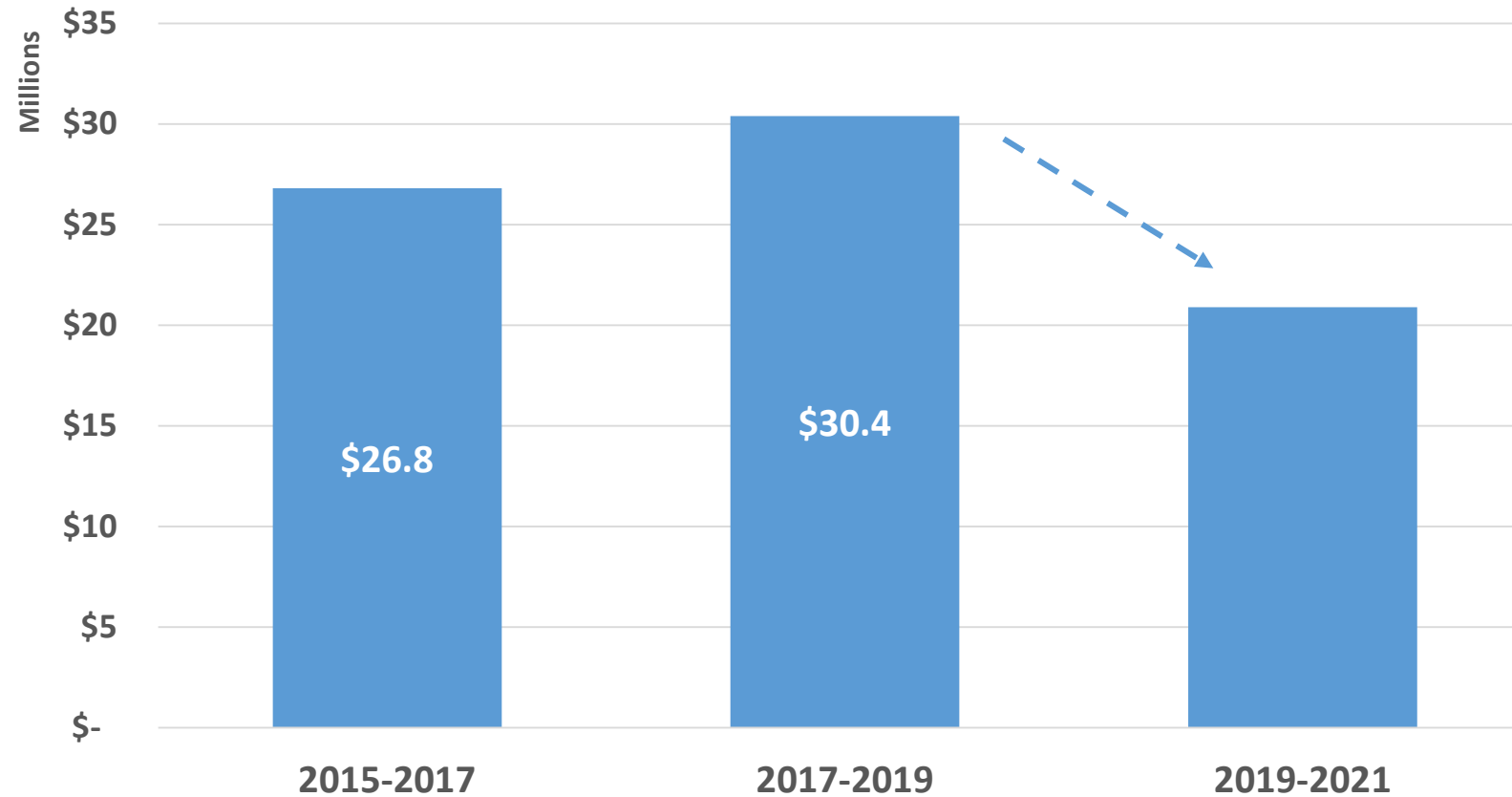


SEPA/NEPA EIS scoping
& technical studies

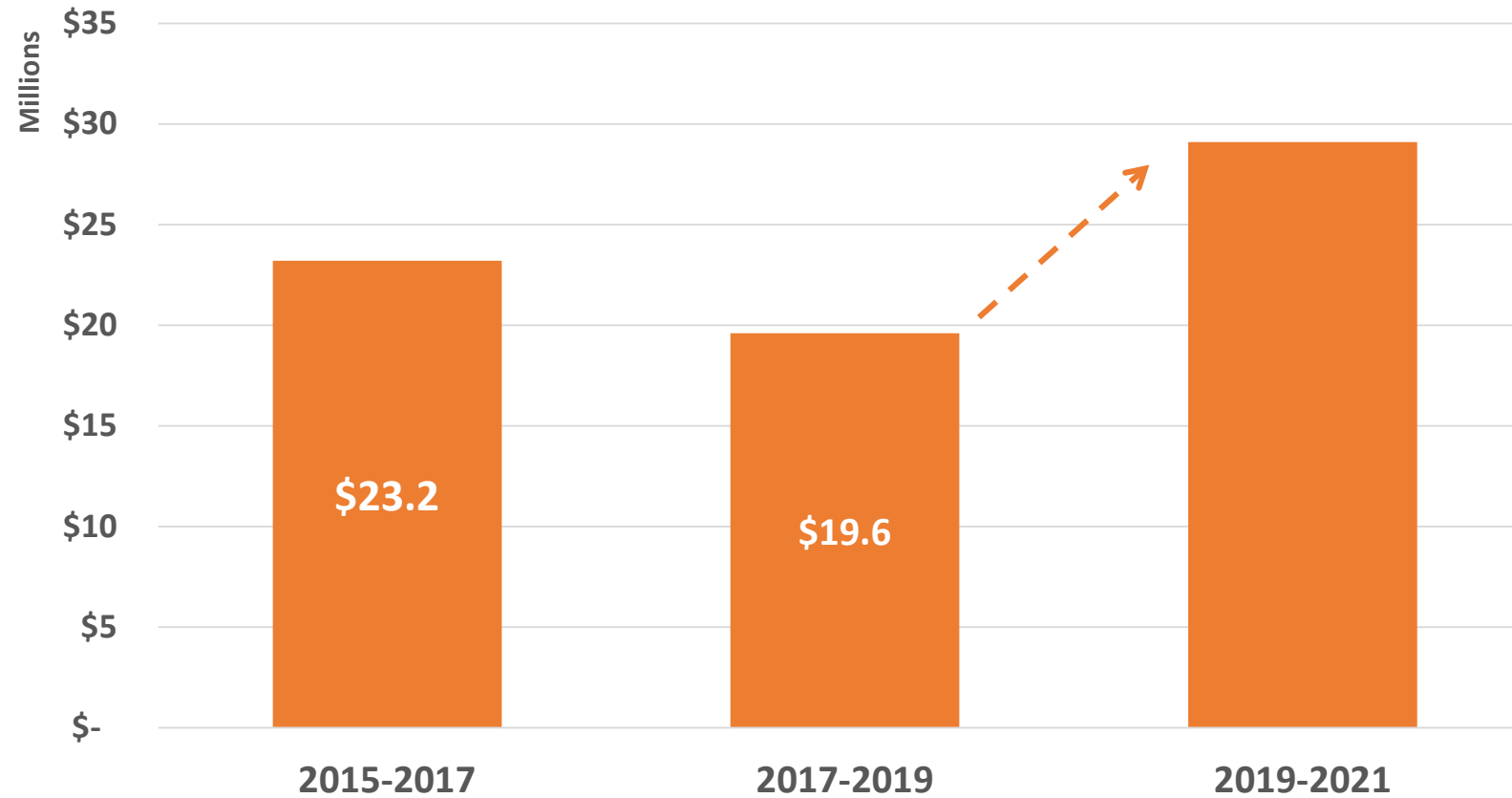
Efforts At a Turning Point



Long-Term Strategy Development



On-the-Ground Actions



Aggressive Pursuit of Ambitious Goals Continues...



The Chehalis River Basin

Aberdeen/Hoquiam
North Shore Levee

Proposed Water
Retention Facility

Today's Tour Area



