

An aerial photograph of a rural landscape. The foreground shows a large green field with a small farmstead containing several barns and a house. A winding river flows through the middle ground, surrounded by more green fields and some trees. In the background, there are more fields, a small town or village, and a dense forest. The sky is clear and blue. The image is overlaid with a green bar at the top and a blue bar at the bottom.

Chehalis Basin Strategy Update

Andrea McNamara Doyle
Chehalis Basin Partnership Meeting
January 25, 2019

CHEHALIS BASIN STRATEGY

“...must include a detailed set of actions to reduce flood damage and improve aquatic species habitat.

“...must include an implementation schedule and quantified measures for evaluating the success of implementation.”

RCW 43.21A.732

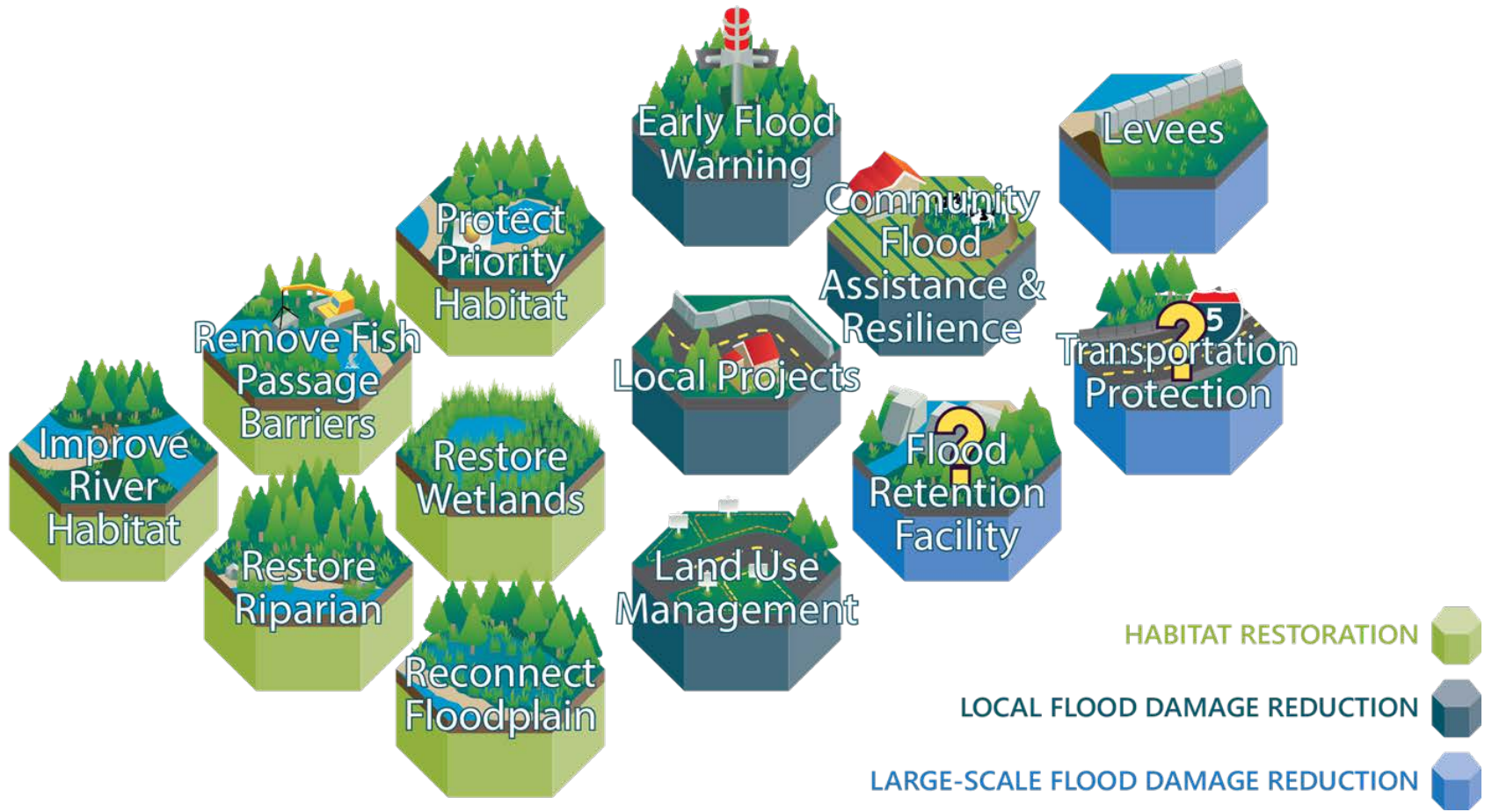
Programmatic EIS

Purpose:

Evaluate potential alternatives and actions for basin-wide flood damage reduction and aquatic species habitat restoration.



Suite of Actions Now In Progress & Under Consideration



CBB's Recommended & Ecology's Requested Budgets

Capital Budget: \$73.2 Million

- \$49.4M for On-the-Ground Projects
- \$23.8M for Ongoing Long-Term Strategy Work

Operating Budget: \$1.46 Million

- \$1.46M for OCB operations (Core Staff, etc.)

Governor's Proposed Budgets

Capital Budget: \$50 Million

- \$31M for On-the-Ground Projects
- \$19M for Ongoing Long-Term Strategy Work

Operating Budget: \$1.46 Million

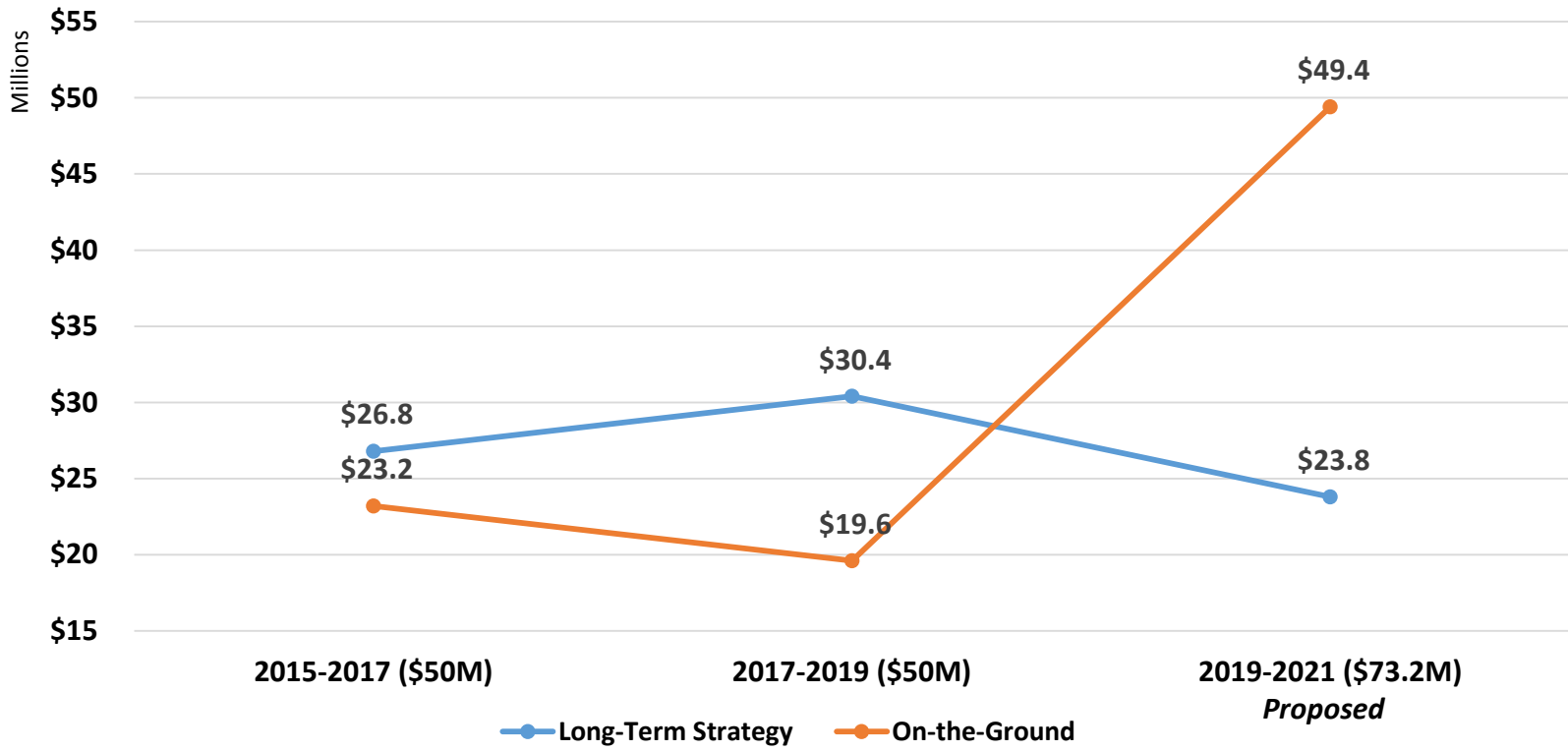
- \$1.46M for OCB operations (Core Staff, etc.)

\$23.2 Million Difference

OCB Budgets for 2019-21 (in Millions)	CBB RECOMMENDED ECOLOGY REQUESTED	GOVERNOR'S PROPOSED	DIFFERENCE
<i>Capital</i>			
On the Ground	\$49.45	\$31	(\$18.45)
Long Term Strategy	\$23.76	\$19	(\$4.76)
<i>Total Proposed</i>	\$73.2	\$50	(\$23.21)
<i>Operating</i>			
OCB Operations	\$1.46	\$1.46	-

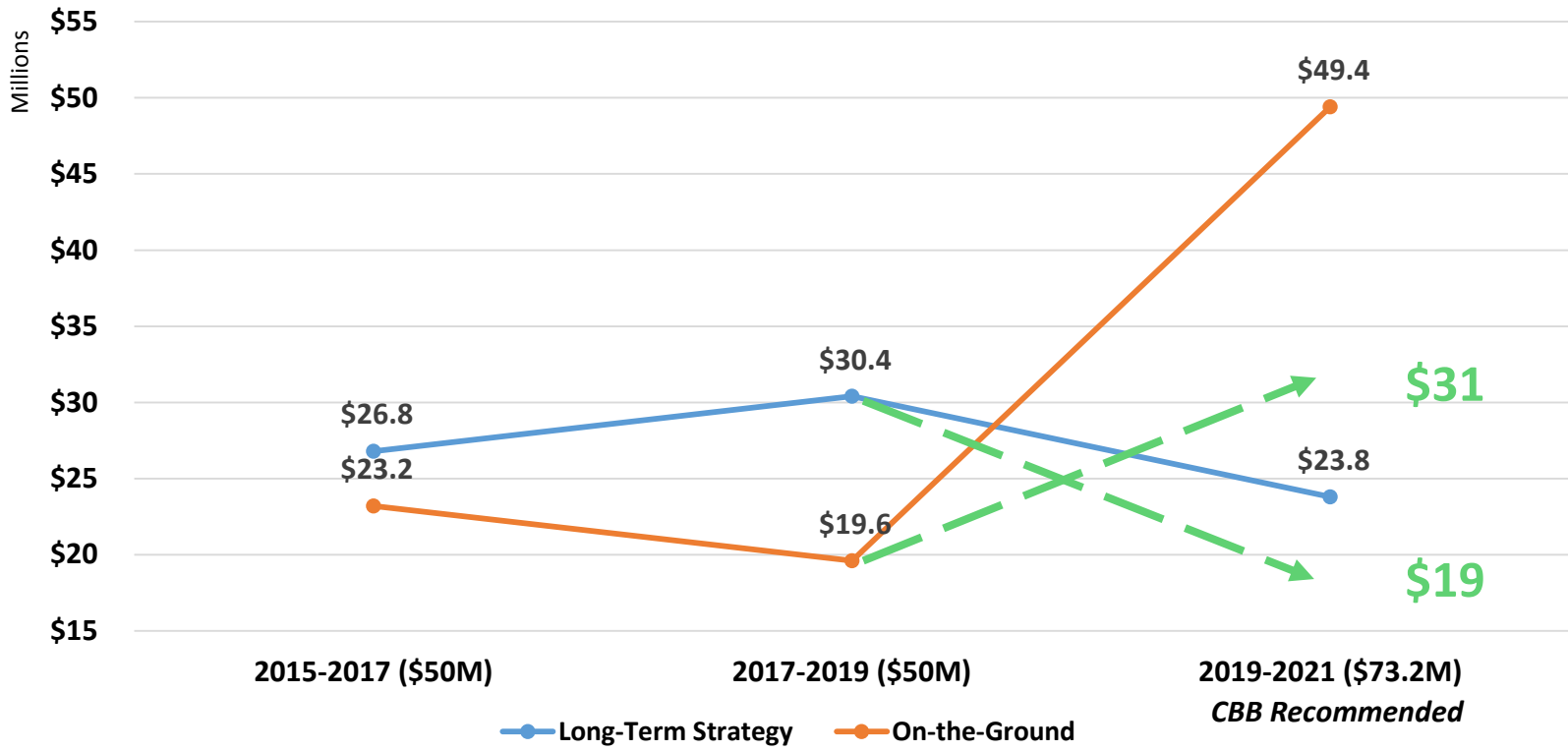
CBS Funding Comparisons

Distribution of Chehalis Basin Strategy Funding in 2015-17, 2017-19, 2019-21

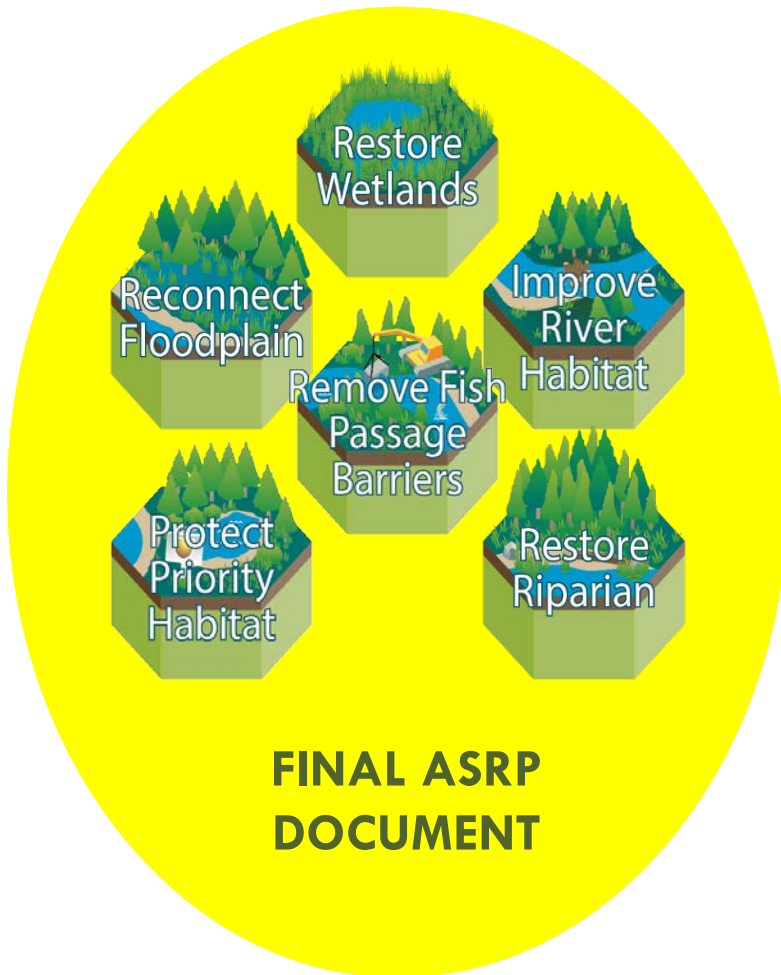


Governor's Proposed Allocation

Distribution of Chehalis Basin Strategy Funding in 2015-17, 2017-19, 2019-21



Aquatic Species Restoration Plan



- Early actions underway
- Draft available for public comment Summer 2019
- Final ASRP will be incorporated into Chehalis Basin Strategy

On-the-Ground: Implementation of ASRP

At Level Funding

- \$13M to ***construct*** projects now under design
- \$ 1M for ***new designs*** (2 reaches)

At \$73.2 Funding

- \$22.5M to construct **all** current designs
- \$ 2.5M for new designs (**5 reaches**)
- Includes more acquisitions

Long-Term Strategy: ASRP Continued Development

Differences in Pre-Construction Monitoring & Data Gaps

Level Funding Scenario (ASRP at \$3.5M)

- Smolt production
- Native fish occupancy
- Abundance/distribution of chum salmon

More Aggressive Funding Scenario (ASRP at \$5.3M)

- Spawner abundance
- Ecology of non-native fish
- Western ridge mussels
- Habitat survey spot checks
- Beaver occupancy and distribution

On-the-Ground: North Shore Levee

Difference between Level Funding and Full Funding Scenarios for North Shore Levee:

- **\$5.2 Million**

Request from Aberdeen/Hoquiam for Fry Creek pump station at North Shore Levee:

- **\$6.2 Million**

Community Flood Assistance & Resilience (CFAR) Program

Purpose:

Provide technical & financial assistance for local government & landowners to address flood & erosion hazards

Focus:

- Basinwide
- Prioritize where opportunities are ripe & emerging



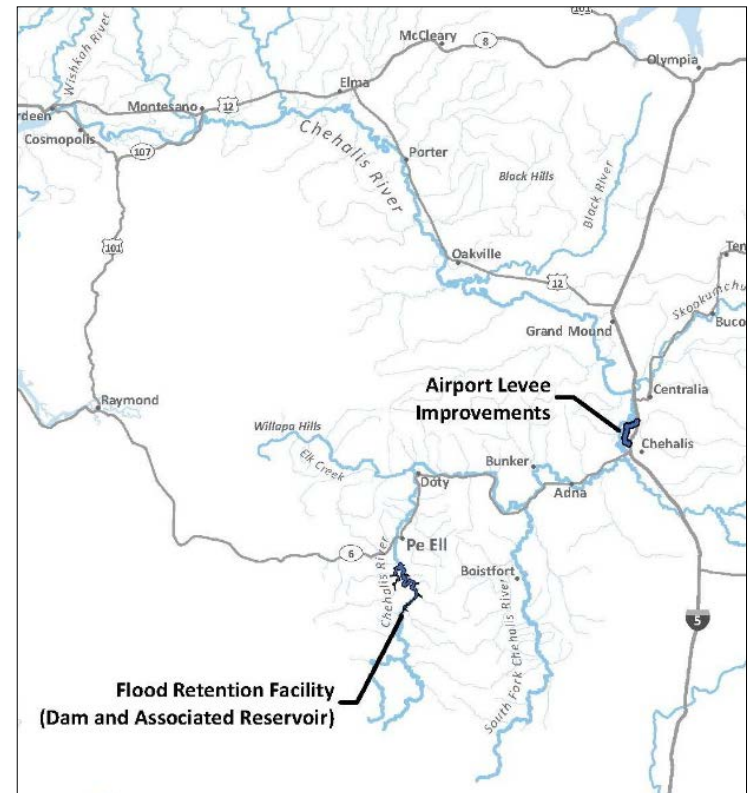
Status:

- Seeking \$3 Million State Capital Funds for 2019-2021
- Pursuing FEMA Grants
- Hiring Floodplain Coordinator

Project-Level EIS

Purpose:

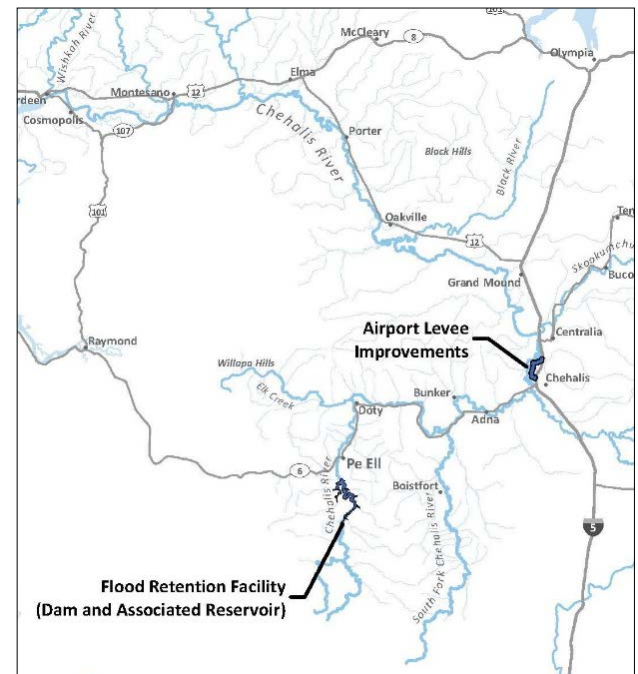
Evaluate environmental impacts of FCZD's Flood Damage Reduction Project to reduce flood damage in Chehalis & Centralia from storm events originating in the Willapa Hills.



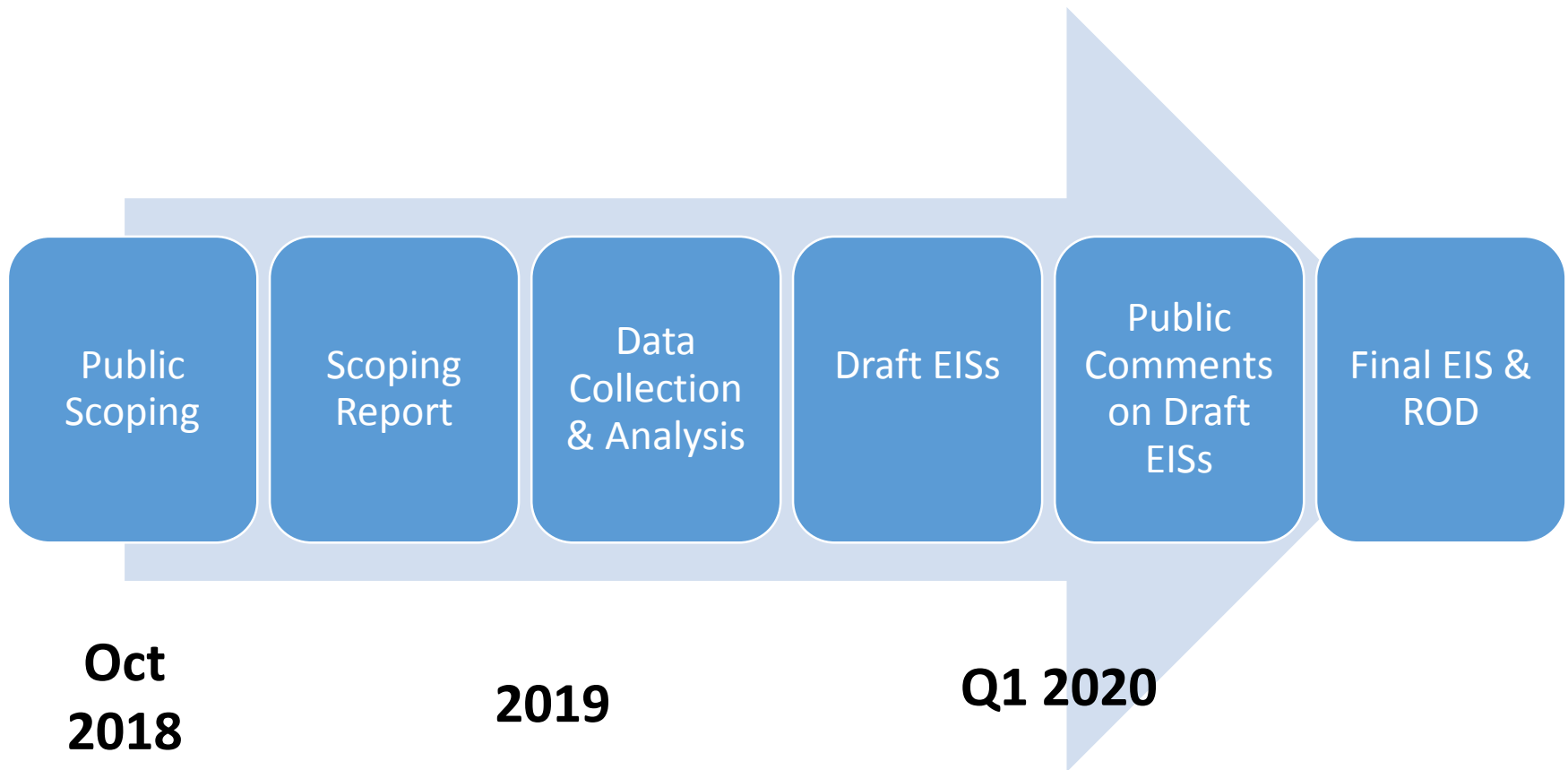
Project-Level EIS

Focus:

- Geographic extent of probable significant environmental impacts from proposed project
- Reasonable alternatives to meet purpose & need of proposal
- Mitigation framework for proposed project



Project-Level EIS Timing



Chehalis Basin Strategy

Purpose:

Achieve consensus on a comprehensive, integrated strategy for aggressively pursuing flood damage reduction and aquatic species habitat restoration over the long-term.



Chehalis Basin Strategy

Focus:

Basin-wide, detailed set of actions to:

- Improve aquatic species habitat &
- Reduce flood damage

Timeline:

Final Strategy Report Fall 2020,
(before 2021 Legislative session)



Chehalis Basin Strategy

More work will be needed on:

- Feasibility & detailed options for mitigation of water retention facility & relationship to ASRP projects & results
- Landowner willingness (ASRP & CFAR)
- Long-term governance structure & adaptive management
- Overall level of investment & sequencing of actions for integrated strategy

