



CHEHALIS BASIN BOARD STRATEGY DEVELOPMENT PROCESS

October 5, 2023



AGENDA

- Recap September 7 Board meeting (Thursday)
- Review draft definitions of a Baseline/No Strategy scenario and Work Elements/Options (Thursday)
- Conduct preliminary package development small-group exercises (Thursday)
- Full Board debrief of package development exercise (Thursday/Friday)
- Next steps (Friday)

No decisions will be requested from the Board!

SEPTEMBER BOARD MEETING RECAP

- 1) 10-step process reminder
- 2) High-level timeline
- 3) Board feedback on preliminary package “dry run” exercise

TEN ITERATIVE STEPS

1. Create Goal (Done: Umbrella Question)
2. Develop Preliminary Packages
3. Create Preliminary Evaluation Factors and Weights
4. Gather Data
5. Preliminarily Evaluate Packages against Evaluation Factors and Data

6. Calculate Preliminary Results for Discussion
7. Reevaluate Packages and Select Preferred Approach
8. Develop Strategy Details and Decision Tree
9. Finalize Strategy
10. Celebrate!



THESE STEPS ARE...

Preliminary and provisional (with regular check-ins)

Iterative (as much or as little as needed)

Proven (they have worked for many others)

Yours (to change as you want)

HIGH-LEVEL PROCESS TIMELINE

Q2 23 to Q1 24



Develop goal and preliminary packages and evaluation criteria (Steps 1-3)

Q1 24 to Q1 25



Gather data and finalize packages and evaluation criteria (Steps 3-4)

Q1 25 to Q1 26



Evaluate and calculate results for packages (and re-evaluate as necessary) (Steps 5-7)

Q2 26 to Q4 26



Deliberate and finalize integrated long-term strategy (Steps 8-10)

PACKAGE DEVELOPMENT “DRY-RUN” EXERCISE

	Flood Damage Reduction		Dual-Purposed			Aquatic Species	
Elements	Flood Retention Facility & Airport Levee Improvements	Levees & Diversion / Conveyance	Floodproofing, Elevation, & Acquisition	Floodplain Management & Land Use Planning	Skookumchuck Dam	ASRP: Habitat	Non-Habitat Aquatic Species Actions (Other Hs and Predation)
Options	<ul style="list-style-type: none"> ·Yes ·Moderate Modified ·Substantial Modified ·None 	<ul style="list-style-type: none"> ·High ·Medium ·Low ·None 	<ul style="list-style-type: none"> ·High ·Medium ·Low ·None 	<ul style="list-style-type: none"> ·High ·Medium ·Low ·None 	<ul style="list-style-type: none"> ·Dam removal / off channel storage ·Dam removal only ·Combo fish/flood ·Fish passage only ·Flood reduction only ·None 	<ul style="list-style-type: none"> ·High ·Medium-High ·Medium ·Low ·None 	<ul style="list-style-type: none"> ·High ·Medium ·Low ·None
Potential Packages	Use Below Dropdown Menus for the Above Options Under Each Element						
Baseline/No Strategy	None	None	None	None	None	None	None
Package 1: Private							
Package 2							
Package 3							

BOARD FEEDBACK ON “DRY-RUN” EXERCISE

- 1) Helpful to combine and compare all Strategy elements to each other
- 2) Demonstrated how much work has already been accomplished
- 3) Highlighted need for refined work element and option definitions

QUESTIONS & DISCUSSION



PURPOSE OF TODAY'S EXERCISE

- 1) Develop preliminary range of packages to inform creation of evaluation factors and data collection. These are not “final” packages.
- 2) Confirm baseline/no strategy assumptions
- 3) Begin to consider how common elements and/or other unique elements should be considered for packages
- 4) Inform work and analyses needed over the next 12-15 months, e.g., levee refinements, Skookumchuck dam options, tradeoff analyses

BASELINE / NO STRATEGY

- Only includes activities and projects for each work element that are either currently underway, or are not funded through or coordinated by OCB through June 30, 2025
- Assumes no OCB-led basin-wide coordinated/ funded effort beyond 2025

COMMON ELEMENTS

- Erosion Management Program
- Flood Authority Projects
- Flood Warning System
- Resiliency Program
- Transportation System and Accessibility Improvements
- Agricultural Viability
- Additional Analyses for Strategy Development

UPDATES TO DEFINITIONS SINCE SEPTEMBER

- 1) Levees / diversion / conveyance options
- 2) FRE options

LEVEES / DIVERSION / CONVEYANCE

Previous

- High
- Medium
- Low
- None

New

- Levees, diversion, and conveyance
- Levees only
- Diversion and conveyance only
- Skookumchuck levees only
- None

FLOOD RETENTION FACILITY

Previous

- Yes
- Moderately Modified
- Substantially Modified
- None

New

- Yes
- Modified
- None

FORMAT OF TODAY'S EXERCISE

1) Two subgroups to start

- Aim to develop 4-6 packages, ideally including a diversity of packages
- Consider key interactions between different elements (e.g., how Skookumchuck options perform with different infrastructure options)
- Consider whether to include any unique elements relative to each package

2) Half of each subgroup moves to a different group (after lunch)

- Review packages already developed and hear new group member feedback
- Decide if you want to develop additional packages

SMALL GROUP EXERCISES

FULL BOARD DEBRIEF ON THURSDAY

- 1) Board small-group representative summary of package development exercise results and key themes
- 2) Board reflections on major takeaways
 - How did this exercise feel different than the “dry run” we did in September?
 - Do the range of packages reflect what you’re interested in having compared against one another through the comparative analysis, or are there any gaps or areas where you are uncertain?
 - Are there any other unique elements or issues that you think we need to capture that are not currently included in the packages?

QUESTIONS & DISCUSSION





CHEHALIS BASIN BOARD STRATEGY DEVELOPMENT PROCESS

October 6, 2023



AGENDA

- Full Board debrief of package development exercise
- Next steps

THURSDAY RECAP

- Two sub-groups
- Approximately 17 packages created
- Significant commonalities across both groups
- Identification of several unique and common elements for consideration

PRELIMINARY PACKAGES (1 OF 2)

	FRE, Airport Levee	Levees & Diversion/ Conveyance	Floodproof, Elevation & Acquisition	Floodplain Mgt & Land Use Planning	Skookumchuck Dam	ASRP: Habitat	Non-Habitat Aq. Species (Other Hs & Predation)
FRE Centric “Simple Dam” / FRE / “Dam It”	Yes	None	Low / Med / High	Med / High	Combo Fish/Flood	High	Med / High
“Net Zero Dam” / “No Net Dam”	Yes	Sk Levee/ None	Med	Med/High	Dam Removal	High	Med / High
“Structural Max”	Modified	D/C & Sk. Levees	Low	Med	Combo Fish/Flood / Dam Removal	High +	High
“House on Fire”	Modified with flow augmentation	LDC	High, emphasize relocation	High	Combo Fish/Flood	High +	High

PRELIMINARY PACKAGES (2 OF 2)

	FRE, Airport Levee	Levees & Diversion/ Conveyance	Floodproof, Elevation & Acquisition	Floodplain Mgt & Land Use Planning	Skookumchuck Dam	ASRP: Habitat	Non-Habitat Aq. Species (Other Hs & Predation)
“Levee Habitat” / LDC	None	LDC	Med	Med / High	Remove / combo fish/flood	High	Med / High
“Levees Flood Focus”	None	LDC	High	High	Remove	Low	Low
“Levee Only Fish”	None	Levees only	High	High	Fish passage	High	Med
“No regrets /min. cost”	No	Levees - Low	High	High	Combo fish/flood	Med	High
“Fish focused super” / “Non- structural”	No	No	High	High	Removal	High	High
“Light touch”	No	No	High	High	None	Low	Low

UNIQUE / COMMON ELEMENTS

- Agricultural viability
- Forest practices
- Transportation systems (I-5, state routes, etc.)
- Low flow augmentation
 - Managed aquifer recharge
- Local flood damage reduction project master plan
- Enhanced flood warning system
- Other-Hs and predation: ban jet sleds, relocate spring Chinook?

BOARD DEBRIEF

- 1) Do the range of packages reflect what you're interested in having compared against one another through the comparative analysis, or are there any gaps or areas where you are uncertain?
- 2) Now that you can see both group's packages, do you want one more opportunity to develop any additional packages?

BOARD DEBRIEF

- 1) What other questions or feedback do you have about the process going forward based on this experience?

NEXT STEPS / MILESTONES

- Next steps from package development exercise (Nov)
- Introduce draft evaluation factors and metrics (Nov)
- Levee / diversion / conveyance consultant hired (Nov-Dec)
- Develop scope of work for comparative analysis consultant (Nov-Dec)
- Discuss needs and timing for public outreach / involvement (Nov-Dec)

NEXT STEPS / MILESTONES

- Discuss need for comparative analysis Board sub-group (Nov-Dec)
- Provide additional information and requests for preliminary Board direction on topics like climate change, benefit-cost considerations, modeling, etc. (Nov-Dec)
- Comparative analysis consultant hired (Q1 2024)
- FCZD project submittal (Q1 2024)

QUESTIONS & DISCUSSION

