

The background image is a photograph of a rural landscape. In the foreground, there is a flooded field with a barn and a silo. The water is calm, reflecting the sky and the surrounding trees. In the background, there is a dense forest of bare trees on a hill. The overall scene is misty and serene.

Chehalis Basin Board Meeting Local Actions Program

November 4, 2020

Today's presentation

- Advisory Group Update
- Board direction/decision re:
 - Climate change
 - Erosion hazards
- Public outreach

Advisory Groups

Work Plan for Oct '20 – Feb '21

Assist Board in:

- Understanding certainty and uncertainty in the use of technical information
- Understanding how policy/programs could be affected by different approaches
- Reconsidering existing information in new ways & identifying additional information needed in near-term for Board deliberations on next steps
- Identifying longer-term additional information needs.

Technical Advisory Group

Members have technical expertise in the following topics:

- Models and other methods for predicting flood damage
- Floodplain extent from climate change
- Erosion hazards
- Bank protection options
- Potential for additional flood storage and structural facilities
- Membership: technical staff from state agencies (Ecology, Fish & Wildlife, Natural Resources, Transportation, Conservation Commission), local jurisdictions, QIN, Chehalis Tribe, and technical consultant staff

Implementation Advisory Group

Members will:

- Bring local knowledge and perspectives
- Communicate with their respective communities
- Identify implications for implementation and community support/acceptance for potential Local Actions Program actions
- Membership: Lewis, Thurston, Grays Harbor County staff and Conservation Districts, cities of Chehalis, Centralia, Hoquiam, QIN and Chehalis Tribe, state agencies, environmental and agricultural community representatives

Approved Measurable Flood Damage Reduction Outcomes

1. Valuable structures protected from mainstem, catastrophic flooding
2. Homes & businesses protected from seasonal urban flooding
3. Lower basin properties & businesses protected from coastal storm surges
4. Farmland and rural structures protected
5. Critical facilities protected
6. Transportation routes protected
7. Environmental justice advanced
8. Prevent new at-risk development

Potential Elements of Local Actions Program

1. Use of Flood Models and Climate Change Predictions
2. Identify erosion and channel migration hazards
3. Evaluate options for bank protection
4. Identify opportunities to increase floodplain storage

Potential Elements of Local Actions Program, *continued*

5. Evaluate potential for structural solutions in high priority areas.
6. Identify opportunities to protect structures flood proofing, elevation and/or relocation.
7. Identify opportunities for floodplain agriculture 'stay-in-place' assistance tailored to address site-specific flood and erosion risks.
8. Identify opportunities to improve flood emergency response actions.
9. Prevent new at-risk development.

Interaction/Overlap Between Advisory Groups

- Floodplain increase from climate change
- Potential structural actions
- Potential non-structural actions

The image is a presentation slide. The top portion features a green header with three vertical stripes of varying shades. The bottom portion features a blue footer with three vertical stripes of varying shades. The central area is a photograph of a flooded landscape. In the background, a white water tower and several houses are visible, partially submerged in water. The foreground shows a grassy field and some trees, also affected by the flooding. The text is overlaid on the photograph in a large, black, sans-serif font.

Options for Board consideration regarding climate change and priority areas for erosion