



Draft Community Flood Assistance & Resilience (CFAR) Program

Chehalis Basin Board Meeting
October 15, 2018

Overview

- Background
- Potential Program goals
- Issues to be addressed
- Proposed work plan and next steps
- Questions for the Board



Example of structure elevation



Example of structure relocation/removal

Sept. 6 Board Meeting

Board agreed OCB staff should:

- Develop updated outline/framework for a basin-wide “floodproofing” program.
- Evaluate how local government, agency, tribal, and consultant staff can contribute to ensure incorporation & integration of new work related to channel migration zones (CMZs) and erosion hazards into the program.

Community Flood Assistance & Resilience (CFAR)

Sunbird Shopping
Center, 2007
Photo from Ron
Sturza



CFAR Program will need to address both:

- Property damages from floodwater inundation
- Erosion hazards from channel migration



Residential structures at risk of erosion
NSD Newaukum field reconnaissance Sept 2017

Potential CFAR Program Goals

1. Provide technical & financial assistance to local communities and landowners.
2. Reduce direct economic damages to property and associated indirect adverse impacts on people, businesses, and communities.
3. Encourage compatible human uses, economic activities, and improved habitat conditions in areas prone to flooding or channel migration.
4. Develop criteria to prioritize state investments throughout the basin that consider readiness, potential benefits, and consistency with the ASRP.
5. Undertake activities in a coordinated, cost-effective, and environmentally sensitive manner.

Issues that Need to be Addressed

Floodproofing:

1. Prioritization of properties for floodproofing (elevations, relocation, removal, etc.)
2. Administration and coordination of funds

Channel migration:

1. Define channel migration areas
2. Determine scope of additional CMZ or hazard mapping needed
3. Balance regulatory and incentive-based approaches

Proposed Workplan to Develop CFAR Program - *Floodproofing*

1. Hire OCB Floodplain/Flood Risk Reduction Manager.
2. Assess readiness and opportunities across the basin.
3. Provide funds to local jurisdictions for priority property protection actions consistent with adopted strategies.
4. Evaluate current programs for pre-disaster mitigation, develop administrative approach for supporting local government floodproofing actions.
5. Obtain Board guidance on scope, scale, sequencing, and budget for developing actionable strategies with local governments.
6. Develop estimates for long-term benefits and costs.

Proposed Workplan to Develop CFAR Program – *Channel Migration*

1. Assess current baseline information and programs.
2. Evaluate regulatory & incentive options for reducing landowner risk from channel migration & erosion hazards.
3. Develop options for identifying CMZs or high hazard areas in consultation with local, state, federal, and tribal staff.
4. Develop draft scope & budget for additional technical assessments.
5. Obtain Board input on options for a mitigation program and develop a preferred approach.
6. Finalize scope & budget for additional technical work.

Conclusions

- ✓ Meaningful flood damage reduction outcomes will require a **combination** of both large & local-scale actions.
- ✓ Local-scale actions will be needed **basin-wide** & include:
 - Floodproofing (e.g., acquisition, structure elevation, etc.)
 - Local projects
 - Land use management
 - Use of updated regulatory flood data & construction standards
 - Floodplain protection practices and flood warning system.

Conclusions

- ✓ Local-scale actions need to:
 - Work in concert with large-scale projects;
 - Be consistent with efforts to restore aquatic species habitat basin-wide.
- ✓ Programmatic EIS alternatives contemplated >\$40M for floodproofing, in addition to large-scale projects, to achieve significant reductions in flood damage.
- ✓ The CFAR Program needs to be a key element of the Chehalis Basin Strategy.

Questions for Board

- Are the draft goals identified for the CFAR program consistent with the Board's objectives? Should additional goals be included?
- Are there other issues that should be considered as staff develops the program? Does the Board have priorities for when or how to engage on these issues (additional work sessions, briefings, subgroups, etc.)?
- Does the draft work plan approach and schedule for advancing the program align with the Board's expectations?