

Selection Criteria

The Flood Authority has developed a process for evaluating recommended actions. The process includes a list of project considerations and a set of project criteria. The criteria has not yet been applied to proposed projects because the projects have to be sufficiently defined and scoped before the criteria can be applied successfully. None of the projects proposed for the Chehalis River basin have been adequately defined at this time.

Project Considerations

The Flood Authority reviewed and commented on draft considerations for evaluating projects at the May 2009 work session. Those considerations have been revised and are presented here.

- **Definition of the Project.** Has the project been sufficiently defined and scoped to be considered and evaluated as a potential project by the Flood Authority? What is the intent of the project? Who will benefit?
- **Implementing Agency.** Is there an identified agency or jurisdiction who will take the lead on the project? Is there an identified agency or jurisdiction that will be in charge of maintenance on the project?
- **Ability to Meet Goals.** Does the project meet the goals outlined in the Chehalis River Basin CFHMP?
- **Effectiveness of Mitigation.** What flood hazard problems does the project solve? Is it a permanent or temporary solution? Is it a complete or partial solution? How much of the basin would be affected? Has the project been evaluated for downstream and upstream impacts (both positive and negative)?
- **Feasibility.** Are there technical obstacles that would prevent the project being constructed?
- **Cost and Funding Sources.** How expensive is the project and who will bear the cost? Are funding sources available, both in the short-term and long-term?
- **Cost-effectiveness.** How much benefit does the project deliver per dollar invested?
- **Environmental Impacts.** Does the project have significant environmental impacts or can adverse impacts be mitigated?
- **Permitting Ease.** What approvals or permits will be required? Are those approvals or permits likely to be granted?
- **Timeliness.** How long will it take to implement the project? Are there other projects that must be completed before this project can begin?
- **Acceptability.** Is the project acceptable to the stakeholders in the Chehalis basin?

Project Criteria

The Flood Authority has translated the project considerations into criteria that can be used in numerical ranking system. These rankings will serve as one consideration used by the Flood Authority in determining which projects to support and fund.

Three of the project considerations are framed as yes or no questions. The answer to all three questions needs to be yes, or the project is not ready to rank. The three questions are:

- Is the project sufficiently defined?
- Is there an identified implementing agency or agencies?
- Is the timeline of the project acceptable to the Flood Authority?

The other considerations are framed as criteria for which each project can be ranked high, medium, or low. These are shown in Table 9-2.

Table 9-2. Project Criteria

Criteria	Prioritization Ranking		
	LOW	MEDIUM	HIGH
Goals	Meets no/few goals	Sufficiently meets multiple goals	Meets most goals very well
Effectiveness of Mitigation	Not effective	Moderately effective	Very effective
Upstream and Downstream Impacts on People and Structures	Significant negative impact	Neither positive or negative impact	Positive impact
Technical Feasibility	Difficult to implement	Moderately able to implement	Easy to implement
Funding	Unlikely to be funded	Potential to be funded	Likely to be funded
Cost-Effectiveness	Benefits do not meet costs	Benefits meet or somewhat outweigh costs	Benefits significantly outweigh costs
Environmental Impact	Significant negative impact	Neither positive or negative impact	Positive impact
Permitting	Unlikely to be permitted	Unclear how likely to be permitted	Likely to be permitted
Acceptability	Unpopular/affects few	Not popular with some groups	Popular/affects many

Table 3. Criteria Used to Prioritize Projects

PRIORITIZATION CRITERIA	PRIORITIZATION RATING		
	LOW	MEDIUM	HIGH
Project Effectiveness	Achieves goal effectively	Is moderately effective in achieving goal	Is very effective in achieving goal
Time to Implement	Many years	Several years	Three or fewer years
Permanence	Temporary	Short lifespan	Relatively permanent
Relative Cost	Very expensive	Moderately Expensive	Inexpensive
Technical Feasibility	Difficult to implement	Moderately able to implement	Easily implemented
Social/Political Feasibility	Unpopular/affects few	Able to implement with political cost	Popular implementation/affects many
Environmental Impact	Significant negative impact	Neither positive nor negative impact	Positive impact

The potential sources of funding to implement the selected projects are provided in Table 4. The funding sources have been identified by agency and programs. Because agency programs are continually updated and undergoing changes on emphasis, funding levels, and staffing, it will be necessary for the Tribe or other responsible jurisdiction to contact the individual agencies to verify details of the programs.

Appendix C: Application Scoring Criteria

CATEGORY 1: DAM SAFETY

<i>Criterion</i>	<i>Description or Value</i>	<i>Check One</i>
<i>Current Information:</i>		
1. Is the applicant a local government (including counties, cities, towns, municipal corporations, authorities, districts, commissions, or political subdivisions created by the General Assembly or pursuant to the Constitution or laws of the Commonwealth, or any combination of these) or a private entity (including dam owners, whether individuals, partnerships, corporations, or other nongovernmental entities)?		
Local Government	Eligible for consideration under this category	
Private Entity	Eligible for consideration under this category	
Not a Local Government or Private Entity	Not eligible for consideration under this category	
2. Has the applicant provided evidence of an ability to provide the required match funds?		
Yes	Eligible for consideration under this category	
No	Not eligible for consideration under this category	
3. What is the hazard potential classification of the dam?		
High	Given priority (all eligible High Hazard Potential dams considered before Significant Hazard Potential dams will be considered)	
Significant	Considered for funding only after no eligible High Hazard Potential projects remain	
Low	Considered for funding only after no eligible Significant Hazard Potential projects remain	
4. How many residential units have been identified within the dam break inundation zone of the dam?		
101 or more	9 points	
21-100	7 points	
11-20	5 points	
1-10	3 point	
0 (or undetermined)	0 points	
5. Are public roadways, public utilities, and/or commercial structures contained within the dam's dam break inundation zone?		
Public roadways, public utilities, and commercial structures	5 points	
Any two of the above	4 points	

<i>Criterion</i>	<i>Description or Value</i>	<i>Check One</i>
One of the above	3 points	
None of the above	0 points	
6. What is the zoning of the property located within the dam's dam break inundation zone?		
Residential/Commercial/Industrial or equivalent	5 points	
Agricultural or equivalent (or undetermined)	3 points	
7. What is the public use of the impoundment created by the dam?		
Public water supply and public recreational access	5 points	
Public water supply only	3 points	
Public recreational access only	2 points	
No public access or use	0 points	
8. Has the dam owner complied with all annual inspection and reporting requirements during the last 5 years?		
Yes	3 points	
No, or the dam has not been under certificate for a period of at least 5 years	0 points	

CATEGORY 2: FLOOD PREVENTION & PROTECTION

<i>Criterion</i>	<i>Description or Value</i>	<i>Check One</i>
<i>Current Information:</i>		
1. Is the applicant a local government (including counties, cities, towns, municipal corporations, authorities, districts, commissions, or political subdivisions created by the General Assembly or pursuant to the Constitution or laws of the Commonwealth, or any combination of these)?		
Yes	Eligible for consideration under this category	
No	Not eligible for consideration under this category	
2. Has the applicant provided evidence of an ability to provide the required match funds?		
Yes	Eligible for consideration under this category	
No	Not eligible for consideration under this category	
3. Is the applicant a participant in the National Flood Insurance Program (NFIP), and not currently under suspension or probation?		
Yes	Eligible for consideration under this category	
No	Not eligible for consideration under this category	
4. Does the local jurisdiction in which the project area is located have a local floodplain ordinance and a history of enforcement?		
Yes	Eligible for consideration under this category	
No	Not eligible for consideration under this category	
5. Does the applicant have a hazard mitigation plan?		
Yes	Given priority	
No	Eligible for consideration only if no applications from applicants with hazard mitigation plans remain	
6. Are residential units located within the area that is the subject of the proposal?		
Yes	Given priority	
No	Eligible for consideration only if no projects containing residences remain	
7. Does the proposed project conform to the state and local hazard mitigation plans?		
Yes	5 points	
No	0 points	

<i>Criterion</i>	<i>Description or Value</i>	<i>Check One</i>
8. If residential units are located within the area that is the subject of the proposal, how many are there?		
10 or more	5 points	
1-9	0 points	
9. Does the proposed project have a stated goal of prohibiting or limiting future residential development within the area that is the subject of the proposal?		
Prohibited	5 points	
Limited/regulated but not prohibited	3 points	
Not limited/prohibited/uncertain	0 points	
10. Has the project area been the subject of a flood related loss in the past?		
Yes, within the past 10 years	5 points	
Yes, but greater than 10 years ago	3 points	
No	0 points	