### Board of Thurston County Commissioners

<table>
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<tr>
<th>NAME</th>
<th>DISTRICT</th>
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<tbody>
<tr>
<td>John Hutchings, Vice-Chair</td>
<td>District 1</td>
</tr>
<tr>
<td>Gary Edwards</td>
<td>District 2</td>
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<tr>
<td>Bud Blake, Chair</td>
<td>District 3</td>
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### Flood Planning Committee

<table>
<thead>
<tr>
<th>NAME</th>
<th>ROLE/TITLE</th>
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<tbody>
<tr>
<td>Scott Boettcher</td>
<td>Stakeholder</td>
<td>Staff, Chehalis River Basin Flood Authority</td>
</tr>
<tr>
<td>Cal Bray</td>
<td>Stakeholder</td>
<td>Emergency Manager, Confederated Tribes of the Chehalis Reservation</td>
</tr>
<tr>
<td>Tris Carlson</td>
<td>Community Representative</td>
<td>NE Thurston County Coastal Floodplain Resident, Shellfish Grower</td>
</tr>
<tr>
<td>Howard Glasstetter</td>
<td>Community Representative</td>
<td>Nisqually Valley Floodplain Resident</td>
</tr>
<tr>
<td>Robert Scott</td>
<td>Stakeholder</td>
<td>Fire Chief, West Thurston Regional Fire Authority</td>
</tr>
<tr>
<td>Alan Vanell</td>
<td>Community Representative</td>
<td>Council Member, Town of Bucoda and Representative to the Chehalis River Basin Flood Authority</td>
</tr>
<tr>
<td>George Walter</td>
<td>Stakeholder</td>
<td>Environmental Program Supervisor, Nisqually Indian Tribe</td>
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### Thurston County Staff Representatives

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<tr>
<th>NAME</th>
<th>ROLE/TITLE</th>
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<tr>
<td>Andrew Kinney</td>
<td>Emergency Management Coordinator</td>
<td>Emergency Services</td>
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<tr>
<td>Mark Maurer</td>
<td>Stormwater and Water Resources Utility Planner</td>
<td>Water Resources, Stormwater Utility</td>
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<tr>
<td>Allison Osterberg</td>
<td>Senior Planner</td>
<td>Resource Stewardship</td>
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<tr>
<td>Meghan Porter</td>
<td>Public Information Officer</td>
<td>Board of County Commissioners</td>
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<tr>
<td>Tim Rubert</td>
<td>Plans Examiner, Floodplain Manager</td>
<td>Resource Stewardship</td>
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<tr>
<td>Trevin Taylor</td>
<td>Senior Environmental Coordinator</td>
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### Project Leads/Facilitators

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<tr>
<th>NAME</th>
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<tbody>
<tr>
<td>Pat Allen</td>
<td>Senior Civil Engineer, CRS Coordinator</td>
<td>Thurston County Water Resources, Stormwater Utility</td>
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<tr>
<td>Paul Brewster</td>
<td>Senior Planner, Project Lead</td>
<td>Thurston Regional Planning Council</td>
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## Flood Development Team

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<tr>
<th>MEMBER</th>
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<tbody>
<tr>
<td>Pat Allen, Thurston County Project Lead, CRS Coordinator</td>
<td>Stormwater Utility</td>
<td>Senior Civil Engineer</td>
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<tr>
<td>Andrew Kinney</td>
<td>Emergency Services</td>
<td>Emergency Management Coordinator</td>
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<tr>
<td>Mark Maurer</td>
<td>Water Resources</td>
<td>Stormwater and Water Resources Utility Planner</td>
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<td>Allison Osterberg</td>
<td>Resource Stewardship</td>
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<tr>
<td>Tim Rupert</td>
<td>Resource Stewardship</td>
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<tr>
<td>Trevin Taylor</td>
<td>Public Works</td>
<td>Senior Environmental Coordinator</td>
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## Thurston Regional Planning Council PDT Members

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<tr>
<th>MEMBER</th>
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<tbody>
<tr>
<td>Michael Ambrogi</td>
<td>TRPC</td>
<td>Senior GIS Analyst</td>
</tr>
<tr>
<td>Paul Brewster, Project Lead/Planner</td>
<td>TRPC</td>
<td>Senior Planner</td>
</tr>
<tr>
<td>Jared Burbidge</td>
<td>TRPC</td>
<td>Deputy Director</td>
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<tr>
<td>Erin Cahill</td>
<td>TRPC</td>
<td>Communications and Outreach Specialist II</td>
</tr>
<tr>
<td>Scott Carte</td>
<td>TRPC</td>
<td>GIS Coordinator</td>
</tr>
<tr>
<td>Holly Gilbert</td>
<td>TRPC</td>
<td>Senior Planner</td>
</tr>
<tr>
<td>Burlina Montgomery</td>
<td>TRPC</td>
<td>Communications and Outreach Specialist I</td>
</tr>
<tr>
<td>Karen Parkhurst</td>
<td>TRPC</td>
<td>Director of Policies and Programs</td>
</tr>
<tr>
<td>Sarah Selstrom</td>
<td>TRPC</td>
<td>Administrative Assistant</td>
</tr>
<tr>
<td>Veena Tabbutt</td>
<td>TRPC</td>
<td>Director of Data and Research</td>
</tr>
<tr>
<td>Steve Xu</td>
<td>TRPC</td>
<td>Planning Technician</td>
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</table>
RESOLUTION No. 15521

A RESOLUTION approving and adopting the 2017 Update to the Thurston County Flood Hazard Mitigation Plan.

WHEREAS, Thurston County participates in the National Flood Insurance Program; and

WHEREAS, Thurston County participates in the Nation Flood Insurance Program's Community Rating System (CRS); and

WHEREAS, Thurston County currently is rated as a Class 2 community in the CRS program, which results in a 40% reduction in flood insurance premiums for property owners located in the County's floodplains; and

WHEREAS, Thurston County must update its Flood Hazard Mitigation Plan every five years and meet certain planning requirements of the CRS program in order to meet the prerequisites to be a Class 4 or better community; and

WHEREAS, the updated Flood Hazard Mitigation Plan meets the CRS program's prerequisites for a rating of Class 4 or better in the Community Rating System; and

WHEREAS, the updated Flood Hazard Mitigation Plan recommends mitigation activities that are intended to reduce private and public property damages due to future floods; and

WHEREAS, the Board of County Commissioners has been briefed on the contents and has had an opportunity to review the Flood Hazard Mitigation Plan, and finds that it is in the best interest of Thurston County to adopt the Plan;

NOW, THEREFORE, BE IT RESOLVED that the Board of County Commissioners hereby approves and adopts the 2017 Flood Hazard Mitigation Plan as shown in attachment A.

ADOPTED: October 3, 2017

ATTEST:

[Signatures]

APPROVED AS TO FORM:

JON TUNHEIM
PROSECUTING ATTORNEY

[Signatures]

Travis Burns
Deputy Prosecuting Attorney

BOARD OF COUNTY COMMISSIONERS
Thurston County, Washington

[Signatures]

Chair

Vice-Chair

Commissioner
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EXECUTIVE SUMMARY

The Problem

Flooding in Thurston County is common, and on an annual average basis is the costliest natural hazard that afflicts residents, businesses, and the county government. Between 1962 and 2016, Thurston County has received 16 federal disaster declarations related in some part to flooding. Total countywide flood damage estimates over this period exceed $206 million. The February 1996 flood cost uninsured private property owners in Thurston County losses exceeding $22 million. Statewide, the Federal Emergency Management Agency (FEMA) provided over $72 million in aid to flood victims, businesses, and local governments for the December 2007 floods and over $12.8 million in assistance for the January 2009 floods. Minor flood events occur annually in Thurston County.

The Solution

Of the four stages of the disaster management cycle – mitigation, preparedness, response, and recovery – only mitigation directly eliminates losses. The other stages all occur in reaction to or anticipation of impacts from flood disaster events. Hazard mitigation planning identifies and prioritizes sustained measures that, if enacted, will reduce or eliminate long-term risk to people and property. In the long term, mitigation measures reduce personal loss, save lives, and reduce the cost to local, state, and federal governments for responding to and recovering from recurrent or unusual flood events.

A mitigation strategy involves activities such as planning, policy changes, building codes, development regulations, land use zoning, programs, projects, and other actions that can eliminate or reduce the impacts of flood hazards within Thurston County. The responsibility for

---

hazard mitigation lies with many, including private property owners, business, industry, and local, state, and federal government. Recognizing that no one solution can mitigate flood hazards, planning provides a mechanism to identify the best alternatives within the capabilities of the county. A flood mitigation plan achieves the following planning objectives to reduce the risks associated with flooding:

- Confirming that activities are reviewed and implemented so that local problems are addressed by appropriate and efficient solutions.
- Leveraging flood mitigation initiatives with other community goals and activities, preventing conflicts and reducing the cost of implementing each initiative.
- Coordinating local activities with federal, state and regional programs.
- Educating residents on the hazards, loss reduction measures, and natural and beneficial functions of their floodplains.
- Building community support for mitigation initiative priorities.
- Fulfilling planning requirements for obtaining state or federal grant funding.
- Implementing floodplain management and mitigation activities through an action plan with specific tasks, staff assignments, and deadlines.

The Thurston County Flood Hazard Mitigation Plan (FHMP) identifies 20 mitigation initiatives, chosen through a facilitated process focused on meeting these objectives.

**Community Rating System Benefits**

The National Flood Insurance Program’s (NFIP) Community Rating System (CRS) offers benefits in the form of reduced flood insurance premiums for communities that meet minimum floodplain management requirements. Thurston County exceeds the minimum CRS planning requirements earning a Class 2 rating. This plan is prerequisite for Thurston County to maintain its status as one of the nation’s top-rated CRS communities.
Plan Development Methodology

Development of the FHMP included four phases (Figure ES.1).

Figure ES.1: Plan Development Methodology

Phase 1: Planning Process
To oversee the development of the plan, the county assembled a 13-member Flood Planning Committee (FPC), consisting of county staff, community members, and other stakeholders in the planning area. A Plan Development team consisting of key county staff as well as staff from Thurston Regional Planning Council was assembled to provide technical support to the FPC. Full coordination with other jurisdictions, regional stakeholders, and state and federal agencies involved in flood hazard mitigation occurred from the onset to completion of this plan. A public involvement strategy centered on the project website, community meetings, social media, and a flood hazards community survey. A comprehensive review of existing plans and programs was performed that can support flood hazard mitigation. Detailed information about the planning process is documented in Chapter 4.

Phase 2: Risk Assessment
The risk assessment is the process of measuring the potential loss of life, personal injury, economic injury and property damage resulting from flooding. This process assesses the vulnerability of people, buildings, and infrastructure to natural hazards. It focuses on these parameters:

- Hazard identification and profiling
Executive Summary

- The impact of hazards on physical, social and economic assets
- Vulnerability identification
- Estimates of the cost of damage

The flood hazard risk assessment for this mitigation plan meets the requirements outlined in Chapter 44 of the Code of Federal Regulations as well as the CRS requirements for assessment of the flood hazard. Detailed information about the county’s flood risk assessment is documented in Chapter 2.

**Phase 3: Mitigation Strategy**

The FPC’s key function was to confirm the guiding principles and review and revise the plan’s goals and objectives. They also reviewed the county’s 2012 FHMP mitigation initiatives and considered new initiatives to update the mitigation strategy. The FPC was involved in selecting and prioritizing the mitigation initiatives and developing the draft action plan. The action plan identifies the leads, timeline, and funding sources for implementing the mitigation initiatives. The Plan Development Team assembled the updated plan using the outcomes of phases 1-3. The updated plan conforms with the CRS Coordinator’s Manual Section 510 10-Step Planning Process (see Appendix B). The flood mitigation strategy and this plan’s recommendations are documented in Chapter 3.

**Phase 4: Plan Maintenance**

The Thurston County Board of Commissioners will adopt the plan by October 15, 2017. Chapter 5 includes a maintenance schedule for ensuring the plan remains an active and relevant document. The FPC agrees to maintain its standing and meet annually to review progress on the action plan and advise Thurston County of any changes or revisions to the plan. County staff will prepare a report that documents:

1. Summary of any flood hazard events that occurred during the reporting period and the impact of these events on the planning area
2. Review of mitigation success stories
3. Review of continuing public involvement
4. Brief discussion about why targeted strategies were not completed
5. Re-evaluation of the action plan to determine if the timeline for identified projects needs to be amended (such as changing a long-term project to a short-term one because of new funding)

6. Recommendations for new projects or adjustments to existing mitigation initiatives

7. Review of grant opportunities and other funding options

8. Impact of any other planning programs or initiatives that involve hazard mitigation

**Plan Goals and Objectives**

The six goals in this plan address important aspects of comprehensive flood management:

- Reducing vulnerability for people and property
- Committing resources to cost effective flood management activities
- Maintaining continuity of operations during flood emergencies
- Protecting the environment
- Providing public education and information sharing
- Coordinating the plan, including public involvement

Each identified mitigation initiative meets one or more objectives. The six goals and 30 corresponding objectives are as follows:

**1. Reduce the county’s vulnerabilities to flooding to protect people and essential facilities and to reduce property losses**

   a. Maintain a regionally coordinated emergency alert notification system that sends timely all-hazard warnings to affected populations
   b. Identify and sign evacuation routes for areas of the county hardest hit by flooding and road closures
   c. Train and equip emergency service providers to effectively respond to flood hazard events
   d. Minimize the number of structures and infrastructure in hazard prone locations
   e. Safeguard objects or places that have cultural or historical significance
Executive Summary

f. Maintain and upgrade at risk transportation facilities, utilities, and other essential buildings and infrastructure to withstand the disruptive and damaging effects of flood hazards

g. Enforce ordinances and development regulations and prohibit development and other activities to prevent the creation of new flood hazards or shifting of existing flood hazards elsewhere

2. Commit resources to cost-effective flood management and hazard mitigation activities

   a. Identify a team of county staff to manage and implement flood management and flood hazard reduction activities

   b. Collect and analyze data, including data and information on the effects of climate change, to increase understanding of conditions that contribute to flood hazards, and examine strategies to minimize their impacts

   c. Create a comprehensive flood mitigation strategy and pursue funding to manage and implement priority projects

   d. Evaluate practical opportunities to leverage new public and private projects to afford protective measures to surrounding properties with pre-existing flood risks

   e. Participate in the National Flood Insurance Program including its Community Rating System

   f. Maintain up to date maps of floodways, floodplains, channel migration zones, and areas subject to high groundwater flooding

   g. Participate in federal, state, and local all-hazards workshops, programs, and exercises

      Update the Flood Hazard Mitigation Plan and develop and maintain flood response and emergency action plans

3. Maintain essential county government services during emergencies

   a. Identify, document, and train from lessons learned from previous events and exercises

   b. Train existing county staff to provide additional backup functions for key staff who leave primary duties to provide flood response activities

   c. Identify contingency funding measures for personnel working overtime during major hazard events
4. **Restore, enhance, and protect the flood conveyance and ecological functions of channel migration zones, floodways, and floodplains**
   a. Retain the natural flood water conveyance functions of channel migration zones, floodways, and floodplains through compatible land uses
   b. Avoid habitat degradation from any development or hazard mitigation activities in channel migration zones, floodways, and floodplains and fully mitigate habitat impacts where impacts are unavoidable
   c. Prioritize flood mitigation projects that enhance habitat for aquatic species

5. **Educate and inform residents and businesses to act to minimize their flood risks**
   a. Improve customer access to county flood information and to staff who are members of the flood management team
   b. Make flood hazard maps accessible and user friendly, both online and in print at the Permit Assistance Center
   c. Provide a variety of flood education materials to educate people about the risks of flooding and steps they can take to prevent losses
   d. Assess needs and provide educational resources to accommodate flood disaster preparedness for special needs individuals or populations within the county
   e. Inform residents to take precautions to become self-reliant for a minimum of 72 hours during a flood disaster

6. **Bring the community together to make Thurston County resilient to flood hazards**
   a. Continue Thurston County participation on the Chehalis River Basin Flood Authority
   b. Coordinate and provide leadership in the hazard mitigation planning process among local, tribal, state, and federal government partners
   c. Train and plan for sheltering, evacuation needs, and coordination of volunteer assistance efforts with local, state, and federal emergency management partner agencies and non-government disaster relief organizations
   d. Conduct broad outreach activities to engage all sectors of the community in the hazards mitigation planning process
Mitigation Initiatives

The flood hazard mitigation action plan is a key element of this plan. By implementing the action plan, Thurston County can strive to become flood disaster-resilient. The action plan includes an assessment of the capabilities of the county to implement hazard mitigation initiatives, a review of alternatives, a prioritization schedule, and a mitigation strategy that identifies the following:

- Title
- Priority
- Type of activity
- CRS category
- Goals and objectives addressed
- Action
- Rationale
- Benefit Rating
- Status
- Timeline
- Leads
- Cost estimate
- Funding source
- Origin of initiative
- Progress and implementation Status

The plan contains 20 mitigation initiatives, which will require coordination among the county departments charged with their implementation. The initiatives – sorted into seven types of activities – represent the initiatives’ general categories and help organize and communicate the general direction of the strategy. Detailed information about the mitigation strategy is documented in Chapter 3. Table ES.1 summarizes the Thurston County flood mitigation initiatives.
### Executive Summary

Table ES.1 Summary of Thurston County Flood Mitigation Initiatives

<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
<th>Priority</th>
<th>Top 5 Rank</th>
<th>Status</th>
<th>Cost</th>
<th>Benefit Rating</th>
<th>Timeline</th>
<th>CRS Category</th>
</tr>
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<tbody>
<tr>
<td></td>
<td><strong>Emergency Planning, Notification, and Evacuation and Detour Routes:</strong> Two initiatives expand efforts to notify and provide instructions to affected populations of imminent threats from catastrophic dam failure or flood events. The projects will plan, design, and construct signs, and identify routes for people to reach safe places.</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Dam Failure Evacuation Planning and Response</td>
<td>Medium</td>
<td>n/a</td>
<td>In progress</td>
<td>Medium</td>
<td>High</td>
<td>2017-2021, Short term</td>
<td>Emergency Services, Public Information</td>
</tr>
<tr>
<td>2</td>
<td>Flood Detours and Response Planning</td>
<td>High</td>
<td>n/a</td>
<td>In progress</td>
<td>Medium</td>
<td>Medium</td>
<td>2017 - 2021, Short term</td>
<td>Emergency Services, Public Information</td>
</tr>
<tr>
<td></td>
<td><strong>Infrastructure:</strong> Two initiatives will replace, repair, or reconstruct public infrastructure including stream culverts, bridges, and roads. The projects will minimize flood impacts, address public safety, improve transportation mobility, and enhance aquatic habitat.</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Stream Culvert Replacement Flood Mitigation Program</td>
<td>High</td>
<td>3</td>
<td>Ongoing</td>
<td>High</td>
<td>High</td>
<td>2017 – 2030, Long term</td>
<td>Natural Resource Protection, Structural</td>
</tr>
<tr>
<td>4</td>
<td>Road Repair and Reconstruction Flood Mitigation Program</td>
<td>High</td>
<td>5</td>
<td>Ongoing</td>
<td>High</td>
<td>High</td>
<td>2017 – 2030, Long term</td>
<td>Property Protection, Natural Resource Protection</td>
</tr>
<tr>
<td></td>
<td><strong>Mapping, Data Collection, and Data Protocols:</strong> Seven initiatives support improving the community’s knowledge of how, when, and where flooding occurs. Additional data enhances the county’s ability to accurately forecast the location and extent of high groundwater flooding, understand the impacts of climate change, identify structures at risk, and map hazard areas. These initiatives also establish protocols for documenting historic flood conditions, archiving data and maps, and improving processes to make the data accessible to county staff, community members, and other stakeholders.</td>
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<td></td>
</tr>
<tr>
<td>5</td>
<td>Flood Data Collection, Modeling, and Evaluation Program</td>
<td>Medium</td>
<td>4</td>
<td>In progress</td>
<td>Medium</td>
<td>Medium</td>
<td>2017-2021, Ongoing</td>
<td>Prevention, Emergency Services</td>
</tr>
<tr>
<td>6</td>
<td>HAZUS – Flood Model Development and Maintenance Program</td>
<td>Low</td>
<td>n/a</td>
<td>Ongoing</td>
<td>Medium</td>
<td>Low</td>
<td>2017-2021, Short term</td>
<td>Prevention, Public Information</td>
</tr>
<tr>
<td>7</td>
<td>Risk Map Land Use and Development Regulation Review and Revisions</td>
<td>High</td>
<td>n/a</td>
<td>In progress</td>
<td>Low</td>
<td>Medium</td>
<td>2017-2021, Short term</td>
<td>Prevention, Public Information</td>
</tr>
<tr>
<td>8</td>
<td>Flood Map Refinement and Access</td>
<td>Low</td>
<td>n/a</td>
<td>In Progress</td>
<td>Medium</td>
<td>Low</td>
<td>2017-2021, Short term</td>
<td>Prevention, Public Information</td>
</tr>
<tr>
<td>9</td>
<td>Flood Map and Data Storage and Retrieval Program</td>
<td>Medium</td>
<td>n/a</td>
<td>In progress</td>
<td>Low</td>
<td>Low</td>
<td>2017-2021, short term</td>
<td>Prevention</td>
</tr>
<tr>
<td>10</td>
<td>River Channel Migration Zone and Habitat Mapping Program</td>
<td>Medium</td>
<td>n/a</td>
<td>Ongoing</td>
<td>Low</td>
<td>Low</td>
<td>2017-2021, Short term, Ongoing</td>
<td>Prevention</td>
</tr>
<tr>
<td>11</td>
<td>Building Inventory and Mapping Program</td>
<td>Medium</td>
<td>n/a</td>
<td>Ongoing</td>
<td>Low</td>
<td>Low</td>
<td>2017-2021, Short term, Ongoing</td>
<td>Prevention</td>
</tr>
<tr>
<td></td>
<td><strong>Flood Hazard Reduction:</strong> Two initiatives will develop and formalize programs to prevent future property losses. One will evaluate, prioritize, and fund candidate structures for elevation, relocation, or acquisition. The other consists of an inspection program to monitor and remove excess debris accumulation in stream channels that compound flood problems into public assets or private property.</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Vulnerable Structures and Repetitive Loss Mitigation Program</td>
<td>High</td>
<td>1</td>
<td>Ongoing</td>
<td>High</td>
<td>High</td>
<td>2017-2030, Long term, Ongoing</td>
<td>Prevention, Property Protection</td>
</tr>
<tr>
<td>13</td>
<td>Debris and Sediment Inspection and Flood Hazard Reduction Program</td>
<td>Medium</td>
<td>n/a</td>
<td>New - No Progress</td>
<td>Medium</td>
<td>High</td>
<td>2017-2021, Short-term</td>
<td>Prevention, Property Protection, Natural Resource Protection, Emergency Services</td>
</tr>
</tbody>
</table>
## Implementation

Implementing the recommendations of this plan requires time and resources. The plan reflects an adaptive management approach, providing recommendations and review protocols to evaluate changes in conditions after the plan is adopted. The true measure of the plan’s success will be its ability to adapt to the ever-changing climate of hazard mitigation.

Funding resources are always evolving, as are programs based on state or federal mandates. Thurston County has a long-standing tradition of proactively responding to issues that may impact its citizens and this is reflected in the development of this plan. The county’s floodplain management programs and policies are well established and have maintained the flood risk at a steady level without increase. This plan will help maintain this tradition. It identifies a strategy for implementation based on available and potential resources. Most important, the county developed this plan with extensive public input.

### Natural Functions and Ecosystem Services:
Two initiatives protect and restore natural floodplain functions and enhance aquatic and riparian habitat.

<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
<th>Priority</th>
<th>Top 5 Rank</th>
<th>Status</th>
<th>Cost</th>
<th>Benefit Rating</th>
<th>Timeline</th>
<th>CRS Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>Floodplain Restoration and Reconnection</td>
<td>Medium</td>
<td>n/a</td>
<td>Ongoing</td>
<td>High</td>
<td>Medium</td>
<td>2017-2030, Long-term, Ongoing</td>
<td>Prevention, Natural Resource Protection, Structural</td>
</tr>
<tr>
<td>15</td>
<td>Riparian Flood Control and Habitat Reforestation Project</td>
<td>Medium</td>
<td>n/a</td>
<td>New - No Progress</td>
<td>High</td>
<td>Medium</td>
<td>2017-2030, Long term</td>
<td>Prevention, Natural Resource Protection</td>
</tr>
</tbody>
</table>

### Finance, Implementation, and Coordination:
Three initiatives will evaluate and implement opportunities to effectively fund the initiatives in this plan, to manage and coordinate the county’s various flood management work programs across all involved departments, and to coordinate with external stakeholders.

<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
<th>Priority</th>
<th>Top 5 Rank</th>
<th>Status</th>
<th>Cost</th>
<th>Benefit Rating</th>
<th>Timeline</th>
<th>CRS Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>Comprehensive Flood Program Finance Strategy</td>
<td>High</td>
<td>2</td>
<td>New - No Progress</td>
<td>Low</td>
<td>Medium</td>
<td>2017-2019, Short term</td>
<td>Prevention</td>
</tr>
<tr>
<td>17</td>
<td>Community Rating System Program</td>
<td>High</td>
<td>n/a</td>
<td>Ongoing</td>
<td>Medium</td>
<td>Medium</td>
<td>2017-2019, Ongoing</td>
<td>Prevention, Public Information</td>
</tr>
<tr>
<td>18</td>
<td>Thurston Climate Adaptation Plan Evaluation and Plan Integration</td>
<td>Medium</td>
<td>n/a</td>
<td>New - No Progress</td>
<td>Low</td>
<td>Low</td>
<td>2018-2021, Short-term</td>
<td>Prevention</td>
</tr>
</tbody>
</table>

### Public Education and Awareness:
Two initiatives will improve public access to information and engage affected residents and businesses about flood risks, flood prevention, county flood ordinances and regulations, flood insurance, and other resources.

<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
<th>Priority</th>
<th>Top 5 Rank</th>
<th>Status</th>
<th>Cost</th>
<th>Benefit Rating</th>
<th>Timeline</th>
<th>CRS Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>Flood Hazard Education and Hazard Reduction Public Outreach Strategy</td>
<td>Medium</td>
<td>n/a</td>
<td>Ongoing</td>
<td>Low</td>
<td>Low</td>
<td>2017-2021, Ongoing</td>
<td>Public Information</td>
</tr>
<tr>
<td>20</td>
<td>Flood Website Development</td>
<td>High</td>
<td>n/a</td>
<td>In progress</td>
<td>Low</td>
<td>Low</td>
<td>2017-2019, Short term</td>
<td>Public Information</td>
</tr>
</tbody>
</table>