

APPENDIX F

Initiatives Which Were Not Carried Forward, Completed, or are Being Terminated

Initiatives Which Were Not Carried Forward

The following draft initiatives were put forth by the following jurisdictions during the preparation of this plan. However, they were not carried forward to become complete mitigation initiatives.

Thurston County Earthquake Hazard

Identify funding sources for structural and nonstructural retrofitting of publicly owned critical facilities that are identified as seismically vulnerable.

Thurston County Flood Hazard

Improve the early warning system for flooding adjacent to Capitol Lake.

NOTE: This was incorporated into another existing initiative.

Thurston County Flood Hazard

Create a list of high risk transportation facilities which may warrant further exploration for repair or replacement.

NOTE: This was incorporated into another existing initiative.

Thurston County Flood Hazard

Create a list of publicly owned critical facilities which may be impacted by flooding.

Thurston County Flood Hazard

Designate, train and equip staff to enforce provisions of TC Stormwater Ordinance.

Thurston County Landslide Hazard

Monitor existing landslide hazard areas and other known geologic hazards which may impact county roads.

Thurston County Multi Hazard

Identify those public critical facilities which may be impacted by local disaster events.

Thurston County Storm Hazard

Develop and implement programs to coordinate maintenance and mitigation activities to reduce risk to public infrastructure from severe winter storms.

Initiatives Completed

The following initiatives were reformatted from the *Thurston County Flood Hazard Management Plan* (1999). An evaluation of the task by County staff shows that these initiatives have been completed in the last few years. Therefore, these no longer need to be carried forward.

Governmental Entity:
Hazard Type:

Thurston County
Flood Hazard

CATEGORY: Plan Coordination and Implementation

IM-1

Apply to FEMA to be included into the Community Rating System (CRS Program) as a part of the National Flood Insurance Program.

RATIONALE:

The Community Rating System (CRS) is a voluntary program within the National Flood Insurance Program. The County will need to apply to this program before residents within unincorporated area could have their flood insurance rates reduced by up to 45 percent.

RELATES TO NHMP GOAL(S): NA

RELATES TO NHMP OBJECTIVE(S): NA

IMPLEMENTOR Thurston County Development Services Dept.

ESTIMATED COST: Unknown

TIME PERIOD: 1999 - 2005

FUNDING SOURCE: Thurston County - multiple sources

SOURCE & DATE: Thurston County Flood Hazard Management Plan
(1999)

ADOPTED PLAN #: IM-1

REFERENCE PAGE: VIII-4

ADOPTED DATE & ORDINANCE #: June 21, 1999; Resolution #11947

IMPLEMENTATION STATUS:

Complete

Thurston County was enrolled into the National Flood Insurance Program Community Rating System (CRS) in 2000. The County's current rating is Class 5.

Governmental Entity:
Hazard Type:

Thurston County
Flood Hazard

CATEGORY:

Public Information

PI-2

Create a countywide Water Resources Data Base.

RATIONALE:

This project would build upon the current Budd-Deschutes Data Base Retrieval System. This computer based program will act like an Internet home page and would initially only be available to the Thurston County network. Additional data could be attached including, historical flow data, old flood photographs and existing flood reports. It would be expanded from its watershed boundaries to be a countywide coverage.

RELATES TO NHMP GOAL(S): NA

RELATES TO NHMP OBJECTIVE(S): NA

IMPLEMENTOR: Thurston Regional Planning Council and/or
Thurston GeoData Center

ESTIMATED COST: \$20,000-25,000

TIME PERIOD: 1999 - 2005

FUNDING SOURCE: Ecology - Centennial Clean Water Grant

SOURCE & DATE: Thurston County Flood Hazard Management Plan
(1999)

ADOPTED PLAN #: PI-2

REFERENCE PAGE: VIII-6

ADOPTED DATE & ORDINANCE #: June 21, 1999; Resolution #11947

IMPLEMENTATION STATUS:

Complete

Thurston Regional Planning Council prepared the “Thurston County Water Resources Home Page” and had it up on line in 2000. Thurston GeoData Center has prepared a similar site for Thurston County Environmental Health Department in 2002. However, to date, there has been no effort to imbed historical flood data or new flood information with these sites.

Governmental Entity:
Hazard Type:

Thurston County
Flood Hazard

CATEGORY:

Public Information

PI-3

Develop a system to track flood elevation certificates for individual homes.

RATIONALE:

Flood insurance rates vary greatly based upon the elevation of the first floor of a residence. As the County enters a CRS program, having an accurately surveyed elevation and tracking it with the property will gain greater importance. This public information service would be an additional way of reducing flood insurance rates on private property.

RELATES TO NHMP GOAL(S): NA

RELATES TO NHMP OBJECTIVE(S): NA

IMPLEMENTOR: Thurston County Development Services
Department

ESTIMATED COST: \$10,000-20,000

TIME PERIOD: 1999 - 2005

FUNDING SOURCE: Unknown

SOURCE & DATE: Thurston County Flood Hazard Management Plan
(1999)

ADOPTED PLAN #: PI-3

REFERENCE PAGE: VIII-7

ADOPTED DATE & ORDINANCE #: June 21, 1999; Resolution #11947

IMPLEMENTATION STATUS:

Complete

The Thurston County Development Services Department has completed a data tracking system for the eleven repetitive loss structures in unincorporated Thurston County.

Governmental Entity:
Hazard Type:

Thurston County
Flood Hazard

CATEGORY:

Public Information

PI-5

Provide a set of all flood management documents for the Timberland libraries in Olympia, Lacey, Tumwater, and Yelm.

RATIONALE:

This activity would amount to providing copies of this and other important historical flood documents at each of the Timberland libraries in the county. This will be an important activity for those people who do not have Internet access.

RELATES TO NHMP GOAL(S): NA

RELATES TO NHMP OBJECTIVE(S): NA

IMPLEMENTOR: Thurston County Development Services
Department

ESTIMATED COST: Unknown

TIME PERIOD: 1999 - 2005

FUNDING SOURCE: Unknown

SOURCE & DATE: Thurston County Flood Hazard Management Plan
(1999)

ADOPTED PLAN #: PI-5

REFERENCE PAGE: VIII-8

ADOPTED DATE & ORDINANCE #: June 21, 1999; Resolution #11947

IMPLEMENTATION STATUS:

Complete

Copies of the *Thurston County Flood Hazard Management Plan* (1999) and other useful materials have been provided to these libraries.

Governmental Entity:
Hazard Type:

Thurston County
Flood Hazard

CATEGORY:

Data Collection and Mapping

MR-2

Remap the location of streams using the new 2 foot contour data.

RATIONALE:

Previous drainage basin studies and the new topography maps have indicated that the mapped location of streams from the Washington State Department of Natural Resources "Hydrology" coverage can significantly vary from its real field location. Once the aerial topography project is complete, Thurston County should begin to develop a stream GIS coverage for the entire unincorporated area. Experience has shown that code enforcement is greatly enhanced when a higher level of mapped information is available.

RELATES TO PLAN GOAL(S): NA

RELATES TO PLAN OBJECTIVE(S): NA

IMPLEMENTOR: Thurston GeoData Center

ESTIMATED COST: \$15,000

TIME PERIOD: 1999 - 2005

FUNDING SOURCE: Unknown

SOURCE & DATE: Thurston County Flood Hazard Management Plan
(1999)

ADOPTED PLAN #: MR-2

REFERENCE PAGE: VIII-9

ADOPTED DATE & ORDINANCE #: June 21, 1999; Resolution #11947

IMPLEMENTATION STATUS:

Complete

The Thurston GeoData Center has completed shifting the location of “streams” listed on the WDNR hydro layer. The GeoData Center is continuing to develop more detailed topographic products as new data from the USGS Lydar photography of Thurston County become available. This will significantly increase the accuracy of slopes under a forested tree canopy.

Governmental Entity:
Hazard Type:

Thurston County
Flood Hazard

CATEGORY:

Data Collection and Mapping

MR-4

Map 190 square miles of wetlands in Nisqually, Chehalis, Black and Skookumchuck watersheds.

RATIONALE:

Wetlands are one of the most dominant aquatic features of floodplains and areas of high groundwater. These areas are important for water quality, wildlife habitat and flood storage. Detailed wetland maps are available for northern but not southern Thurston County. Experience with detailed wetland maps since 1993 has shown that code enforcement is greatly enhanced when more detailed maps are available. Preliminary aerial photography also indicated that wetlands maps were twice as accurate as the 100 year floodplain maps for locating potential high groundwater areas.

RELATES TO NHMP GOAL(S): NA

RELATES TO NHMP OBJECTIVE(S): NA

IMPLEMENTOR: Thurston County Development Services
Department

ESTIMATED COST: \$100,000

TIME PERIOD: 1999 - 2005

FUNDING SOURCE: Unknown

SOURCE & DATE: Thurston County Flood Hazard Management Plan
(1999)

ADOPTED PLAN #: MR-4

REFERENCE PAGE: VIII-10

ADOPTED DATE & ORDINANCE #: June 21, 1999; Resolution #11947

IMPLEMENTATION STATUS: Complete

Thurston Regional Planning Council has completed the mapping of wetlands in rural Thurston County. In all wetland maps were created for 625 square miles of Thurston County. Individual section maps are available on-line from TRPC and the Thurston GeoData Center.

Governmental Entity:
Hazard Type:

Thurston County
Flood Hazard

CATEGORY:

Development Regulations

MR-7

Adopt development regulations for high groundwater areas.

RATIONALE:

The importance of this recommendation is being reinforced by high groundwater flooding in early 1999 which is exceeding that of 1997. Work on this project began in 1998 and a multi-departmental work group has been established. They are using new topography maps, remote sensing data, aerial photographs and on-site observations. Development standards are also being prepared in cooperation with the City of Tumwater.

RELATES TO NHMP GOAL(S): NA

RELATES TO NHMP OBJECTIVE(S): NA

IMPLEMENTOR: Thurston County Development Services Dept.

ESTIMATED COST: Unknown

TIME PERIOD: 1999 - 2000

FUNDING SOURCE: Unknown

SOURCE & DATE: Thurston County Flood Hazard Management Plan
(1999)

ADOPTED PLAN #: MR-7

REFERENCE PAGE: VIII-12

ADOPTED DATE & ORDINANCE #: June 21, 1999; Resolution #11947

IMPLEMENTATION STATUS:

Complete

The Thurston County Board of Commissioners adopted Ordinance #12155 on February 7, 2000, which is an amendment to the County's Critical Areas Ordinance (CAO) regulations. These regulations prohibit the construction of structures within the designated high groundwater area, and establish additional development standards for the area 300 feet from the designated area.

Governmental Entity:
Hazard Type:

Thurston County
Flood Hazard

CATEGORY:

Development Regulations

MR-11

Amend the Stormwater Ordinance (TCC 15.05) to allow for enforcement capabilities.

RATIONALE:

State requirements for a local stormwater manual are increasing and stormwater management is an important part of the State's Salmon Strategy. However, no matter how much these regulations are improved, the benefits will not be forthcoming unless there are means for Thurston County to enforce the ordinance. Enforcement may include civil infractions which are used for the building, zoning and health codes. Without enforcement, the stormwater ordinance provides no community benefit and adversely affects only those that follow the rules.

RELATES TO NHMP GOAL(S): NA

RELATES TO NHMP OBJECTIVE(S): NA

IMPLEMENTOR: Thurston County Board of County
Commissioners

ESTIMATED COST: Unknown

TIME PERIOD: 1999 - 2005

FUNDING SOURCE: Unknown

SOURCE & DATE: Thurston County Flood Hazard Management Plan
(1999)

ADOPTED PLAN #: MR-11

REFERENCE PAGE: VIII-14

ADOPTED DATE & ORDINANCE #: June 21, 1999; Resolution #11947

IMPLEMENTATION STATUS: Complete

The Thurston County Board of Commissioners included civil infractions and criminal penalties in 2000. Since then, no enforcement actions have taken place.

While the ordinance is on the books, staff, training and enforcement processes have not yet been identified. Therefore, a necessary follow up initiative would be to designate, train and equip staff to enforce provisions of TC Stormwater Ordinance (TCC 15.05.020 and 15.05.025).

Initiatives Which were Terminated

The following initiatives were reformatted from the Thurston County Flood Hazard Management Plan (1999). An evaluation of the task by County staff indicated that they did not wish to carry this initiative forward into this document. It is therefore, considered to have been terminated.

Governmental Entity:
Hazard Type:

Thurston County
Flood Hazard

CATEGORY:

Public Information

PI-6

Mail flood insurance information to residents and property owners who live in a floodplain, and real estate offices.

RATIONALE:

This activity would provide a special mailing to parties most affected by flooding. This would cover the mailing costs for recommendation PI 4.

RELATES TO NHMP GOAL(S): NA

RELATES TO NHMP OBJECTIVE(S): NA

IMPLEMENTOR: Thurston County Emergency Management and Development Services Department

ESTIMATED COST: \$20,000 - 35,000

TIME PERIOD: 1999 - 2005

FUNDING SOURCE: Unknown

SOURCE & DATE: Thurston County Flood Hazard Management Plan
(1999)

ADOPTED PLAN #: PI-6

REFERENCE PAGE: VIII-8

ADOPTED DATE & ORDINANCE #: June 21, 1999; Resolution #11947

IMPLEMENTATION STATUS:

Terminate

Thurston County has chosen to remove this mitigation initiative because it has become too expensive for the County to send direct mail to these groups. This concept will be easier to maintain as handouts on the County home page as provided on mitigation initiative TC-FH 8.

This page left blank intentionally.