



Washington State Enhanced Hazard Mitigation Plan

Overview of the 2014 Annual Update

The following Plan areas were updated in 2014:

1. Hazard Profiles: Landslide and Wildland Fire
2. Statewide Mitigation Programs
3. Integration with Other Planning Initiatives
4. Resources & Best Available Science List
5. Hazard Mitigation Programs Administrative Plan

Additionally, two members joined the State Hazard Mitigation Advisory Team (SHMAT) with expertise in drought and historic preservation.

Hazard Profiles: The following Hazard Profiles were updated:

Landslides: Changes in this Profile were made to improve the scientific accuracy of the information and to incorporate new information from the SR-530 landslide which occurred in March 2014 (DR-4168). Stephen Slaughter, of the Department of Natural Resources Division of Geology and Earth Resources, updated this Profile in September 2014.

Wildland Fire: Changes in this Profile were made to incorporate new information from the Carlton Complex Fire in August 2014 (DR-4188) and other fires since the last update of the Profile. Megan Fitzgerald-McGowan, of the Department of Natural Resources Resource Protection Division, updated this Profile in October 2014.

State-Wide Programs: The updated Statewide Programs has been separated from "Element C: Mitigation Strategy" into its own Appendix (Appendix 12) in order to make it more accessible to the public and interested Officials. The list has been updated with a variety of programs, councils, and executive initiatives including Floodplains by Design, DNR's Wildland Fire Protection Program, the Drought Advisory Council, the Seismic Safety Committee, and the Governor's newest initiative on climate change. Additionally, a column has been added to note which hazard(s) the program addresses.

Integration with Other Planning Initiatives: This document details statewide plans and planning initiatives which compliment or institutionalize mitigation goals, objectives, priorities, and initiatives. This updated document replaces Appendix 4.



Washington State Enhanced Hazard Mitigation Plan

Resources and Best Available Science: This document provides links to a wide variety of reputable information on the hazards, both natural and technological, that face Washington State. Properly identifying the natural hazards that can affect a jurisdiction is a critical step in Hazard Mitigation Planning; the State maintains this Appendix primarily in support of our local and Tribal partners. The document has also been updated with additional resource documents on climate change, mitigation planning, post-disaster recovery planning, and resilience. This updated document replaces Appendix 7.

Hazard Mitigation Programs Administrative Plan: The 2014 edition of the Administrative Plan is incorporated in its entirety using the latest 2014 disaster DR-4188. This new Administrative Plan replaces Appendix 9.

Planning Process

The Hazard Mitigation Strategist from the Mitigation, Response, and Recovery Section of the Washington Military Department's Emergency Management Division (EMD) led the 2014 annual update of the State Enhanced Hazard Mitigation Plan. The State Hazard Mitigation Advisory Team (SHMAT) and other experts provided inputs into the various products. Below is a timeline of activity.

May 2014:

- The Department of Ecology's Drought Coordinator joined the SHMAT.
- The Strategist announced to the SHMAT the timeline for the 2014 update.
- The Strategist did a preliminary update of the Statewide Programs List and emailed it to the SHMAT for review and additions.
- The Strategist did a preliminary update of the Landslide Hazard Profile, incorporating previous landslides since November 2012 when the Profile was last updated. She then sent the Profile to DNR for review and additional updating.
- The Strategist sent the Flood Hazard Profile to ECY for review and updating.

May – June 2014:

- The Strategist incorporated changes to the Statewide Programs List from the Washington State Building Code Council (SBCC).

September 2014:

- The Strategist re-engaged DNR and ECY on their Hazard Profile updates.



Washington State Enhanced Hazard Mitigation Plan

- The Strategist did a preliminary update of the Wildland Fire Hazard Profile, incorporating previous fires since May 2013 when the Profile was last updated. She then sent the Profile to DNR for review and additional updating.
- The Hazard Mitigation Programs Administrative Plan was updated for DR-4188. The new Administrative Plan will replace Appendix 9.
- EMD decided to incorporate threats from Oil Trains into either the Pipelines or the Hazardous Materials Hazard Profile; this will be completed during the 2015 annual update once the Report to the Governor is finalized (estimated March 2015).
- EMD determined that the Earthquake and Tsunami Hazard Profiles would be updated in 2015 once the newest studies, which are currently under peer review, are completed.

October 2014:

- The Landslide and Wildland Fire Hazard Profiles were finalized.
- The Strategist decided to postpone the Flood Hazard Profile update until 2015.
- The Strategist updated and added links to the natural hazards, climate change, growth management, and planning sections of the Best Available Science Appendix; she added two new sections one for Post-Disaster Recovery and one for Resilience. The new document will fully replace Appendix 7.

November 2014:

- The Department of Archeology and Historic Preservation's Deputy Director joined the SHMAT.
- The Strategist updated Appendix 4: Integration with Other Planning Initiatives.

December 2014

- The Strategist sent all documents for final changes; edits were incorporated and all documents were finalized.

January 2015

- The new documents were posted on the EMD website and the link was sent to FEMA Region X (Brett Holt).



Washington State Enhanced Hazard Mitigation Plan

State Hazard Mitigation Advisory Team (SHMAT)

Name	Title	Organization	Expertise
Hedia Adelsman	Senior Policy Advisor	Department of Ecology	Climate Policy
Rebecca Beaton	Infrastructure Analyst	Utility & Transportation Commission	Lifelines
	Deputy Fire Marshal	Office State Fire Marshal, WSP	Hazardous Materials
Ted Buehner	Warning Coordination Meteorologist	NWS, Seattle Forecast Office	Weather
Marisa D'Angeli	Epidemiologist	CD-Epi Division, DOH	Pandemic
Meagan Fitzgerald-McGowan	Natural Resource Specialist	Resource Protection Division, DNR	Wildfire
Jerry Franklin	Floodplain Mapping Coordinator	Department of Ecology	Flood
Greg Griffith	Deputy Director	Department of Archeology and Historic Preservation	Historic Preservation
John Himmel	Safety and Emergency Operations	WSDOT	Transportation
Sheryl Jardine	Mitigation & Recovery Section	Emergency Management, WMD	Emergency Management, All Hazards
Doug Kilpatrick	Pipeline Safety Director	Utility & Transportation Commission	Lifelines
Jeff Marti	Drought Coordinator	Department of Ecology	Drought
Scott McKinney	NFIP State Coordinator	Department of Ecology	Flood
Anne Merritt	Health Services Consultant	Emergency Preparedness, WA DOH	Pandemic
Tim Nogler	Managing Director	State Building Code Council, DES	Building Codes
Gus Ordonez	Environmental Engineer	Department of Ecology	Dam Safety
Isabelle Sarikhan	Hazard Geologist and GIS Analyst	Geology and Earth Resources, DNR	Landslides
John Schelling	Earthquake Program Manager	Emergency Management, WMD	Earthquake, Tsunami, Volcano
Stephen Slaughter	Hazard Geologist	Geology and Earth Resources, DNR	Earthquake, Landslide, Tsunami, Volcano
Matt Stoutenburg	Program Specialist	Office of the Insurance Commissioner	Insurance
Peter Tassoni	State Hazard Mitigation Officer	Emergency Management, WMD	Hazard Mitigation Grants
Tim Walsh	Chief Geologist	Geology and Earth Resources, DNR	Earthquake, Landslide, Tsunami, Volcano
Julie Whaley	Emergency Management Coordinator	WSDOT	Transportation
Jeff Wilson	Managing Director	Growth Management Services, Commerce	Growth Management
Vacant		Local Jurisdiction	Local Issues
Vacant	Seismologist	Pacific Northwest Seismograph Network	Earthquake
Vacant	Volcanologist	USGS – Cascade Volcano Observatory	Volcano
Elizabeth Minor	Hazard Mitigation Strategist	Emergency Management, WMD	Ex-officio



Washington State Enhanced Hazard Mitigation Plan