

Threat and Hazard Identification Workshop

Hazard Science and Expertise Resources

Local

Pierce County Hazard Identification and Risk Assessment (HIRA) - The Pierce County HIRA is not a detailed study of the hazards and their impacts, but rather it describes those hazards felt to be the greatest potential threat to people, the environment, personal and public property and the economy. <https://www.co.pierce.wa.us/943/Emergency-Plans>

Seattle Hazard Identification and Vulnerability Analysis (SHIVA) - Identifies Seattle's hazards and examines their consequences so we can make smart decisions about how best to prepare for them. <http://www.seattle.gov/emergency-management/hazards>

Northwest Healthcare Response Network (NWHRN) Regional Healthcare Hazard Vulnerability Assessment - For any community, knowing its vulnerabilities and risks is the foundation for developing emergency plans and drives preparedness and response activities. For most healthcare organizations, with their specialized environments, staff and equipment, considerable thought must be given to the hazards on which they base their preparedness plan. <https://nwhrn.org/hazard-vulnerability-assessments/>

State

Washington State Enhanced Hazard Mitigation Plan - The Washington State Enhanced Hazard Mitigation (SEHMP) Plan profiles hazards, identifies risks and vulnerabilities and proposes strategies and actions to reduce risks to people, property, the economy, the environment, infrastructure and first responders. The Washington SEHMP is a multi-agency statewide document. It incorporates best practices, programs and knowledge from multiple state agencies, tracks progress in achieving mitigation goals through state and local programs and strategies. <https://mil.wa.gov/other-links/enhanced-hazard-mitigation-plan>

Washington State Hazard Inventory and Vulnerability Analysis - Hazard Inventory and Vulnerability Analysis (October 2018). Washington State Emergency Management Division Risk Assessment Approach: The National Risk Index (NRI) incorporates data on social vulnerability, built environment, community resilience, and natural hazards to create a baseline of natural hazards risk for U.S. at the county and census tract level. The risk index is based on spatial overlays of the hazard zone with area, population distribution, vulnerable population distribution, built environment, critical infrastructure facilities, State facilities (owned and leased), and first responder facilities (fire stations, law enforcement buildings, and EMS). <https://mil.wa.gov/other-links/enhanced-hazard-mitigation-plan>

Washington State Department of Natural Resources (DNR) geological information portal - Contains 20 Seismic Scenarios Catalog with an interactive map that provides loss estimates for a suite or earthquake scenarios on various faults. Natural Hazards interactive map showing

information related to faults, landslides, earthquakes, tsunamis, and volcanoes. Ideal for homeowners. <https://www.dnr.wa.gov/geologyportal>

Washington State Fusion Center (WSFC) - Our nation faces an evolving threat environment, in which threats emanate not only from outside our borders but also from within our communities. This new environment demonstrates the critical role state and major urban area fusion centers (fusion centers) have in supporting the receipt, analysis, gathering, and sharing of threat-related information between the federal government and state, local, tribal, and territorial (SLTT), and private sector partners. The Washington State Fusion Center performs threat assessments and information management services including supporting the protection of critical infrastructure and key resources. <http://wsfc.wa.gov/>

University of Washington Climate Impacts Group (CIG) - The Climate Impacts Group develops and delivers scientific information that is both useful to and used by the decision making community by fully integrating research with stakeholder engagement. <https://cig.uw.edu/>

Northwest Fire Science Consortium - The Northwest Fire Science Consortium is a multi-disciplinary, multi-institutional network consisting of federal and state agencies, non-governmental organizations, universities, and private landowners within Washington and Oregon. The Consortium seeks to provide:

- A delivery system for the effective dissemination and adoption of fire science information, knowledge, tools, and expertise.
- A framework within which a variety of existing organizations and outreach programs focused on fire science delivery can coordinate more effectively.
- A venue to increase researcher understanding of the fire science needs of practitioners.

<http://www.nwfirescience.org/home>

National

Natural Hazards Center - The National Science Foundation is the designated information clearinghouse for the nation. The Natural Hazards Center works to empower a culture where all people are educated and inspired to take positive action to mitigate hazards losses and to build stronger communities. <https://hazards.colorado.edu/about/history-and-mission>

They are dedicated to reducing disaster harm through:

- (1) translating and sharing hazards and disaster research and information;
- (2) building connections between researchers, non-profit and private sector professionals, the media, policy makers, and local, state, and federal officials;
- (3) advancing social science and interdisciplinary knowledge, with a special emphasis on the most vulnerable populations and places; and

Questions? Contact Chelsey Bell at Chelsey.bell@piercecountywa.gov or 253-798-2122

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- (4) training and mentoring the diverse next generation of hazards and disaster professionals.

There are 8 Hazards and Disaster Research Centers in Washington State:

- Resilience Institute, Western Washington
- Institute for Hazard Mitigation Planning and Research, UW
- Northwest Center for Public Health Practice, UW
- Natural Hazards Reconnaissance (RAPID), UW
- Disaster Data Science Lab, UW
- Center for Collaborative Systems for Security, Safety, and Regional Resilience, UW
- Pacific Northwest Geodetic Array (Cascadia Hazards Institute), Central Washington University

<https://hazards.colorado.edu/resources/research-centers>

Natural Hazard Mitigation Association - The mission of NHMA is to be a catalyst for societal change by elevating the value of hazard mitigation so that natural hazards do not cause disasters, and suffering and misery to people, property, the environment, and taxpayers. NHMA promotes education, policies, and activities that mitigate current and future losses, costs, and human suffering unnecessarily caused by unwise development practices without regard to natural hazards. <http://nhma.info/>

Sector Specific Plans - As part of the National Infrastructure Protection Plan, the public and private sector partners in each of the 16 critical infrastructure sectors and the state, local, tribal, and territorial government community have developed a Sector-Specific Plan that focuses on the unique operating conditions and risk landscape within that sector. Developed in close collaboration with federal agencies and private sector partners, the Sector-Specific Plans are updated every four years to ensure that each sector is adjusting to the ever-evolving risk landscape. <https://www.dhs.gov/cisa/critical-infrastructure-sectors>

National Institute of Building Sciences - The Multihazard Mitigation Council (MMC) serves a vital national need by establishing a body of experts in a multitude of related fields of building sciences that can address the challenges associated with the identification and implementation of effective natural-hazard mitigation practices. The Council is an independent entity that informs mitigation decisions in ways that lead to effective public policy on many levels. The MMC delivers the mitigation saves study to congress and is one of the most often-quoted work on mitigation. https://www.nibs.org/page/mmc_resources

Homeland Security Digital Library - The Homeland Security Digital Library (HSDL) is the nation's premier collection of documents related to homeland security policy, strategy, and organizational management. The HSDL is sponsored by the U.S. Department of Homeland

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Security's National Preparedness Directorate, FEMA and the Naval Postgraduate School Center for Homeland Defense and Security. <https://www.hsd.org/c/>

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