



Hazard Mitigation

What Constitutes Mitigation?

Actions taken which, in the long-term, reduce the risk and/or impact of a hazard.



Hazard Mitigation Plan 2024 Update

Pend Oreille County, the Kalispel Tribe, local municipal jurisdictions, and special purpose districts are embarking on a planning process to prepare for impacts of natural disasters. Responding to federal mandates in the Disaster Mitigation Act of 2000 (Public Law 106-390), Pend Oreille County Department of Emergency Management is updating its 2018 Hazard Mitigation Plan to enhance resilience throughout the County. During this process, local citizens will be asked to contribute by sharing knowledge of the area's vulnerability to hazards based on past occurrences.

Check out the County's Hazard Mitigation Planning Website located on Pend Oreille County's Emergency Management website!.

Hazards addressed in this update:

- Climate Change
- Drought
- Earthquake
- Flood
- Hazardous Materials
- Landslide
- Severe Weather
- Volcano
- Wildfires

Countywide Planning Initiative Planning Partners Include

Pend Oreille County
Kalispel Tribe of Indians
City of Newport
 Towns of:
Cusick
Ione
Metaline
Metaline Falls
Cusick School District
Newport School District
Selkirk School District

Newport Hospital
Port of Pend Oreille
Pend Oreille County PUD
Fire District 2
Fire District 4
Fire District 5
South Pend Oreille Fire & Rescue
Health District #1 – Newport
Hospital & Health Services
Sacheen Lake Water & Sewer

Why Plan?

Between 1953 and 2023, Pend Oreille County has experienced 16 Federal Disaster Declarations

Pend Oreille County Disaster History 1953 – 2023					
Disaster Number	Declaration Date	Incident Type	Title	Incident Begin Date	Incident End Date
4593	4/8/2021	Severe Storm	Severe Winter Storm, Straight-line Winds, Flooding, Landslides, and Mudslides	12/29/2020	1/16/2021
4584	2/4/2021	Fire	Wildfires and Straight-line Winds	9/1/2020	9/19/2020
4481	3/22/2020	Pandemic	COVID-19 (x2)	1/20/2020	5/11/2023
4309	4/21/2017	Flood	Severe Winter Storms, Flooding, Landslides, Mudslides	1/30/2017	2/22/2017
4249	1/15/2016	Severe Storm(s)	Severe Storms, Straight-line Winds, Flooding, Landslides, and Mudslides	11/12/2015	11/21/2015
4243	10/20/2015	Fire	Wildfires and Mudslides	8/9/2015	9/10/2015
1825	3/2/2009	Severe Storm(s)	Severe Winter Storm, Record and Near Record Snow	12/12/2008	1/5/2009
1682	2/14/2007	Severe Storm(s)	Severe Winter Storm, Landslides, and Mudslides	12/14/2006	12/15/2006
1641	5/17/2006	Severe Storm(s)	Severe Storms, Flooding, Tidal Surge, Landslides, and Mudslides	1/27/2006	2/4/2006
1182	7/21/1997	Flood	Flooding, Snow Melt	4/10/1997	6/30/1997
1172	4/2/1997	Flood	Heavy Rains, Snow Melt, Flooding, Land and Mud Slides	3/18/1997	3/28/1997
1159	1/17/1997	Severe Storm(s)	Severe Winter Storms, Land/Mud-slides, and Flooding	12/26/1996	2/10/1997
1152	1/7/1997	Severe Ice Storm	Severe Ice Storm	11/19/1996	12/4/1996
922	11/13/1991	Fire	Fires	10/16/1991	10/24/1991
623	5/21/1980	Volcano	Volcanic Eruption, Mt. St. Helens	5/21/1980	5/21/1980
414	1/25/1974	Flood	Severe Storms, Snowmelt and Flooding	1/25/1974	1/25/1974

Take our Hazard Mitigation Public Survey: [https://www.surveymonkey.com/r/Pend Oreille County Mitigation Plan Survey](https://www.surveymonkey.com/r/Pend_Oreille_County_Mitigation_Plan_Survey)





Hazard Mitigation Risk Ranking



Hazard Mitigation Plan Update

Pend Oreille County, the Kalispel Tribe, local municipal jurisdictions, and special purpose districts embarked on a planning process to determine the risk associated with the hazards of concern which have the potential to impact the County and its citizens. This countywide effort reviewed all of the known natural hazards of concern and determined the county's risk and vulnerability based on impact of those hazards on the people, property, economy and environment of the County. The following information represents the results of that assessment. Questions concerning this information may be sent to: JoAnn Boggs, Pend Oreille County Deputy Director of Emergency Management at: JBoggs@pendoreille.org / (509) 447-3731 or the Consultant assisting the County with this project, Beverly O'Dea of Bridgeview Consulting, LLC at: bevodea@bridgeviewconsulting.org / (253) 301-1330.

Citizens are encouraged to review the data and provide input! You can also review the County's website for this project at: <https://pendoreilleco.org/your-government/emergency-management/>

Hazard	Probability	Magnitude and/or Severity	Extent and Location	Warning Time	Duration	Calculated Priority Risk Index Score
Avalanche	2	1	1	4	3	1.95
Climate Change	3	2	2	1	4	2.35
Drought	2	3	3	1	4	2.35
Earthquake	1	2	2	4	1	1.85
Flood	4	3	2	1	4	2.95
Landslide	2	2	2	4	2	2.3
Severe Weather	4	3	3	1	4	3.15
Volcano	1	1	3	1	2	1.45
Wildfire	4	4	4	4	4	4.0

The Calculated Priority Risk Index scoring method has a range from 0 to 4. "0" being the least hazardous and "4" being the most hazardous situation.

The Planning Team also conducted a qualitative assessment combining the value of the CPRI, and summarizing the potential impact based on past occurrences, spatial extent, and subjective damage and casualty potential. Those items were categorized into the following levels and illustrated in the following table:

- Extremely Low—The occurrence and potential cost of damage to life and property is very minimal to nonexistent.
- Low—Minimal potential impact. The occurrence and potential cost of damage to life and property is minimal.
- Medium—Moderate potential impact. This ranking carries a moderate threat level to the general population and/or built environment. Here the potential damage is more isolated and less costly than a more widespread disaster.
- High—Widespread potential impact. This ranking carries a high threat to the general population and/or built environment. The potential for damage is widespread. Hazards in this category may have occurred in the past.
- Extremely High—Very widespread with catastrophic impact.

Table 2 summarizes the qualitative rating for all planning partners, as well as the overall CPRI score.