



Plumas County Hazard Identification and Profiles – 2020

Disaster Declarations and National Weather Service Research

Plumas County – Disaster Declarations 1950-2019

Year	Disaster Name	Disaster Type	Disaster Cause	Disaster #	State Declaration #	Federal Declaration #
2017	California Severe Winter Storms, Flooding, Mudslides	Flood	Storms	DR-4308	–	4/1/2017
2017	California Severe Winter Storms, Flooding, Mudslides	Flood	Storms	DR-4301	–	2/14/2017
2014	California Drought	Drought	Drought	GP 2014-13	1/17/2014	–
2008	Wildfires	Fire	Fire	EM-3287	–	6/28/2008
2005/2006	2005/06 Winter Storms	Flood	Storms	DR-1628	–	2/3/2006
2005	Hurricane Katrina Evacuations	Economic	Hurricane	EM-3248 2005	–	9/13/2005
2001	Energy Emergency	Economic	Greed	GP 2001	1/1/2001	–
1999	California Wildfires	Fire	Fire	EM-3140	8/26/1999	9/1/1999
1997	1997 January Floods	Flood	Storms	DR-1155	1/2/97-1/31/97	1/4/1997
1996	Torrential Wind and Rains	Flood	Storms	GP 96-01	1/2/1996	–
1995	California Severe Winter Storms, Flooding, Landslides, Mud Flows	Flood	Storms	DR-1046	Proclaimed	3/12/1995
1995	1995 Severe Winter Storms	Flood	Storms	DR-1044	1/6/95-3/14/95	1/13/1995
1993	California Severe Storm, Winter Storm, Mud & Landslides, Flooding	Flood	Storms	DR-979	–	2/3/1993
1992	1992 Late Winter Storms	Flood	Storms	DR-979	1/7/93 - 2/19/93	1/15/1993
1987	1987 Wildland Fires	Fire	Fire	GP	9/10/1987, 9/3/1987	–
1986	1986 Storms	Flood	Storms	DR-758	2/18-86-3/12/86	2/18/1986
1980	April Storms	Flood	Storms	–	4/1/1980	–

Year	Disaster Name	Disaster Type	Disaster Cause	Disaster #	State Declaration #	Federal Declaration #
1977	1977 Drought	Drought	Drought	EM-3023	1/20/1977	–
1970	1970 Northern California Flooding	Flood	Flood	DR 283	1/27/1970 - 3/2/1970	2/16/1970
1969	California Severe Storms, Flooding	Flood	Storms	DR-253	1/23/69, 1/25/69, 1/28/69, 1/29/69, 2/8/69, 2/10/69, 2/16/69, 3/12/69	1/26/1969
1964	1964 Late Winter Storms	Flood	Storms	DR-183	12/22/64, 12/23/64, 12/28/64, 1/5/65, & 1/14/65	12/24/1964
1963	1963 Floods and Rains	Flood	Storms	DR-145	2/7/63, 2/26/63, 2/29/63, & 4/22/63	2/25/63
1963	1963 Floods	Flood	Storms	–	2/14/1964	–
1960	1960 Widespread Wildfires	Fire	Fire	–	8/16/1960	–
1958	1958 April Storms and Floods	Flood	Storms	DR-52	4/5/1958	4/4/1958
1958	1958 February Storms and Floods	Flood	Storms	CDO 58-03	2/26/1958	–
1955	1955 Floods	Flood	Flood	DR-47	12/22/1955	12/23/1955
1950	1950 Floods	Flood	Flood	OCD 50-01	11/21/1950	–

Source: FEMA, Cal OES

Plumas County Disaster Declaration Summary Table 1950-2019

Disaster Type	State Declarations		Federal Declarations	
	Count	Years	Count	Years
Drought	2	1977, 2014	0	–
Economic	1	2001	0	–
Fire	3	1960, 1987, 1999	2	1999, 2008
Flood (including heavy rains and storms)	16	1950, 1955, 1958 (twice), 1963 (twice), 1964, 1969, 1970, 1980, 1986, 1992, 1995 (twice), 1996, 1997	15	1955, 1958, 1963, 1964, 1969, 1970, 1986, 1992, 1993, 1995 (twice), 1997, 2006, 2017 (twice)
Hurricane	0	–	1	2005
Totals	22	–	18	–

Source: FEMA, Cal OES

Disasters since 2014 Plan

- 2014 Drought (state)
- 2017 Flood (two federal)

*NCDC Severe Weather Events for Plumas County 1950-5/31/2019**

Event Type	Number of Events	Deaths	Deaths (indirect)	Injuries	Injuries (indirect)	Property Damage	Crop Damage
Blizzard	1	0	0	0	0	\$0	\$0
Cold/Wind Chill	3	0	0	0	0	\$0	\$0
Debris Flows	5	0	0	0	0	\$2,000	\$0
Dense Fog	9	0	0	0	0	\$1,000	\$0
Dense Smoke	1	0	0	0	0	\$0	\$0
Drought	2	0	0	0	0	\$50,000	\$0
Flash Flood	3	0	0	0	0	\$0	\$0
Flood	10	0	0	1	0	\$3,140,000	\$0
Freezing Fog	1	0	0	0	0	\$0	\$0
Hail	19	0	0	0	0	\$100	\$5,000
Heavy Rain	47	0	0	0	0	\$1,000	\$0
Heavy Snow	280	1	0	0	0	\$220,000	\$0
High Wind	88	0	0	1	0	\$2,245,500	\$0
Ice Storm	1	0	0	0	0	\$0	\$0
Lightning	1	0	0	0	0	\$0	\$0
Strong Wind	2	0	0	0	0	\$25,100	\$0
Thunderstorm Wind	2	0	0	0	0	\$675,000	\$0
Wildfire	9	0	0	0	0	\$22,775,000	\$0

Event Type	Number of Events	Deaths	Deaths (indirect)	Injuries	Injuries (indirect)	Property Damage	Crop Damage
Winter Storm	117	0	0	0	0	\$150,000	\$0
Winter Weather	31	0	0	0	0	\$0	\$0
Total	632	1	0	2	0	\$29,284,700	\$0

Source: NCDC

*Note: Losses reflect totals for all impacted areas

**Due to the regional nature of reporting certain hazard events, these hazards are included in the NCDC database for Amador County

Plumas County Hazards Comparison Summary

2014 Plumas County Plan	General Plan Safety Element	2018 State of California Plan Applicable Hazards	Proposed Plumas County 2020 Hazards
Avalanche (part of geologic hazards)	–	Avalanche	Avalanche
Climate Change	–	Climate Change & Related Hazards	Climate Change
Dam Failure	Flood and Dam Inundation Hazards	Dam Failure	Dam Failure
Drought		Droughts and Water Shortage	Drought and Water Shortage
Earthquake (part of geologic hazards)	Geologic and Seismic Hazards	Earthquake	Earthquake (including liquefaction)
Floods: 100/500 year	Flood and Dam Inundation Hazards	Flood	Flood: 1%/0.2% annual chance
–	–	Flood	Flood: Localized/Stormwater
Landslides (part of geologic hazards)	Geologic and Seismic Hazards	Landslide	Landslide, Mudslide, and Debris Flows
–	–	Levee Failure	Levee Failure
Severe Weather (consolidated hazard)	–	Extreme Heat	Severe Weather: Extreme Heat
Severe Weather (consolidated hazard)	–	Severe Weather and Storms	Severe Weather: Heavy Rains and Storms
Severe Weather (consolidated hazard)	–	Severe Weather and Storms	Severe Weather: High Winds and Tornadoes
Severe Weather (consolidated hazard)	–	Severe Weather and Storms	Severe Weather: Winter Storm and Freeze
Volcanoes (part of geologic hazards)	–	Volcano	Volcano
Wildfire	Wildland Fire Hazards	Wildfire	Wildfire

Plumas County Hazard Identification 2020

Hazard	Geographic Extent	Likelihood of Future Occurrences	Magnitude/Severity	Significance	Climate Change Influence
Avalanche					Medium
Climate Change					–
Dam Failure					Medium
Drought & Water shortage					High
Earthquake					Low
Floods: 1%/0.2% annual chance					Medium
Floods: Localized Stormwater					Medium
Landslide, Mudslide, and Debris Flow					Medium
Levee Failure					Medium
Severe Weather: Extreme Heat					High
Severe Weather: Heavy Rains and Storms					Medium
Severe Weather: High Winds and Tornadoes					Low
Severe Weather: Winter Storms and Freeze					Medium
Volcano					Low
Wildfire					High
Geographic Extent Limited: Less than 10% of planning area Significant: 10-50% of planning area Extensive: 50-100% of planning area		Magnitude/Severity Catastrophic—More than 50 percent of property severely damaged; shutdown of facilities for more than 30 days; and/or multiple deaths Critical—25-50 percent of property severely damaged; shutdown of facilities for at least two weeks; and/or injuries and/or illnesses result in permanent disability Limited—10-25 percent of property severely damaged; shutdown of facilities for more than a week; and/or injuries/illnesses treatable do not result in permanent disability Negligible—Less than 10 percent of property severely damaged, shutdown of facilities and services for less than 24 hours; and/or injuries/illnesses treatable with first aid		Significance Low: minimal potential impact Medium: moderate potential impact High: widespread potential impact	
Likelihood of Future Occurrences Highly Likely: Near 100% chance of occurrence in next year, or happens every year. Likely: Between 10 and 100% chance of occurrence in next year, or has a recurrence interval of 10 years or less. Occasional: Between 1 and 10% chance of occurrence in the next year, or has a recurrence interval of 11 to 100 years. Unlikely: Less than 1% chance of occurrence in next 100 years, or has a recurrence interval of greater than every 100 years.		Climate Change Influence Low: minimal potential impact Medium: moderate potential impact High: widespread potential impact			