

2021-2022 Flood Season Recap

King County Flood Control District

Executive Committee

April 20, 2022

Steve Bleifuhs, Manager

Department of Natural Resources and Parks
Water and Land Resources Division
River and Floodplain Management Section

Service provider to the King County Flood Control District



2021-2022 Flood Season

- Flood Warning Center opened for 8 floods
- 204.5 hours of total operation
- Flood Patrol operated during 7 FWC openings
- No Phase 4 (Major Flooding) occurrences during the flood season

River/Creek	Phase 2 Occurrences (Minor Flooding)	Phase 3 Occurrences (Moderate Flooding)
SF Skykomish	4	
Snoqualmie	8	5
Tolt	7	4
Issaquah	2	
Cedar	1	
Green	2	1
White	5	



Reinig Bridge, Snoqualmie River

February 28 - March 2, 2022 Flood Event

8:35 98%

King County Rivers

S.F. Skykomish	Flood phase: 2
Snoqualmie	Flood phase: 3
Tolt	Flood phase: 3
Raging	No phase set
Issaquah	Flood phase: 1
Cedar	Flood phase: 2
Green	Flood phase: 3
White	Flood phase: 2

Data requested from USGS/NWRFC: 3/1
08:25 AM
Refresh scheduled for: 3/1 07:26 AM



Community Engagement

	2020-2021 Season October 1 – March 31	2021-2022 Season October 1 – March 31	% change
FWC Openings	5	8	60%
Calls to FWC	1,059	2,186	106%
FloodApp Pageviews	49,755	100,910	103%
Website Pageviews	85,649	191,797	124%

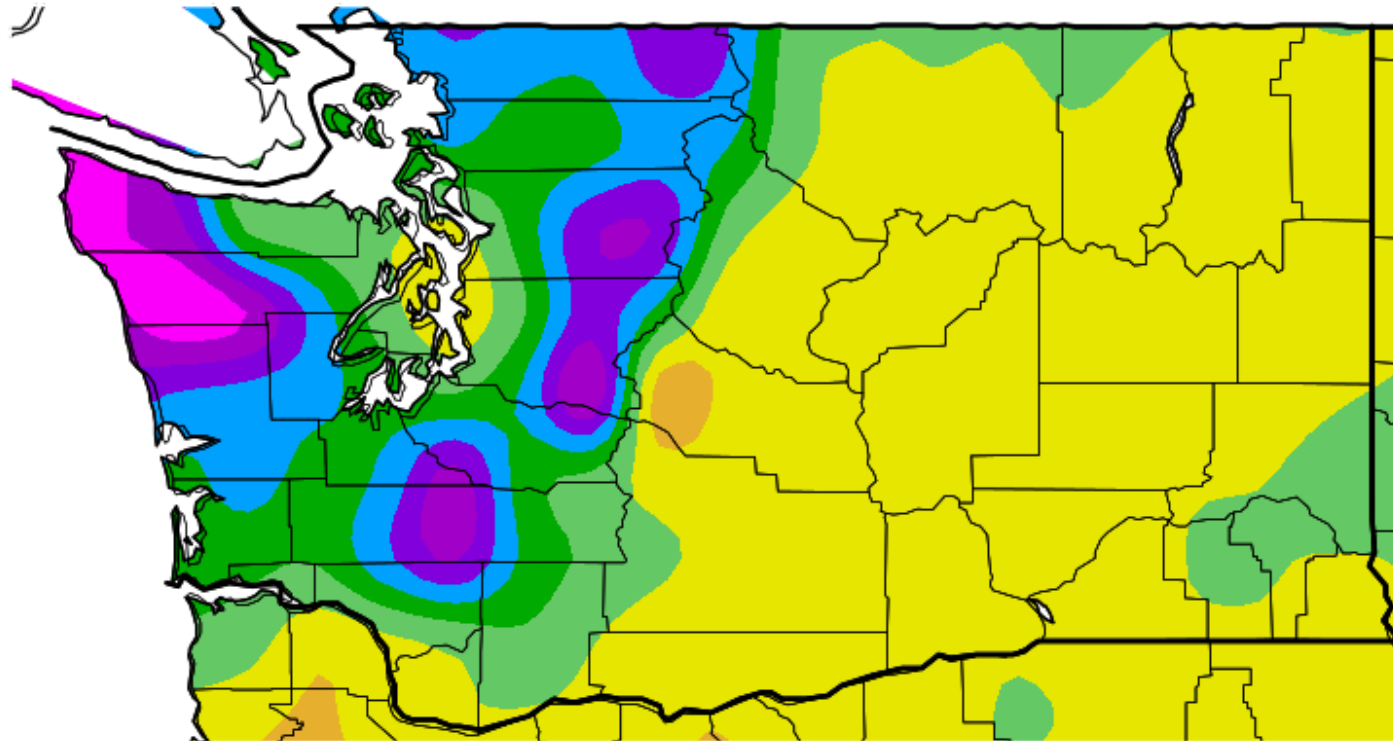
The screenshot shows a website page for 'Snoqualmie River Flooding Information'. A red circle highlights a blue box at the top right that reads '#1 pageviews' and '44,784' for the period 'October 1, 2021 – March 31, 2022'. Below this, the page title is 'Snoqualmie River Flooding Information' with a subtitle 'USGS gage data, map, alert phases, and recent high flows'. There are navigation links for 'List of rivers', 'Snoqualmie River Basin Weather Stations', and 'King County Flood Alerts'. A 'Flood Warning Mobile App' icon is also present. A table of USGS Gage data is shown at the bottom, with columns for 'USGS Gage Name', 'Time, Date', 'Stage (feet)', 'Flow (cfs)', and 'Flow Change (cfs/hr)'. The table lists several gages including North Fork, Middle Fork, South Fork, and the main Snoqualmie River at various locations.

USGS Gage Name	Time, Date	Stage (feet)	Flow (cfs)	Flow Change (cfs/hr)
North Fork Snoqualmie River	11:15 AM, 4/12/2022	3.11	337	0
Middle Fork Snoqualmie River	11:15 AM, 4/12/2022	2.95	840	-16
South Fork Snoqualmie River	11:15 AM, 4/12/2022	11.21	241	0
Sum of Snoqualmie River Forks	11:15 AM, 4/12/2022	n/a	1,418	-16
Snoqualmie River near Snoqualmie	11:30 AM, 4/12/2022	5.35	2,140	0
Snoqualmie River near Carnation	11:15 AM, 4/12/2022	47.35	3,100	0
Snoqualmie River at Duvall	11:30 AM, 4/12/2022	23.48	n/a	-0.02 (stage, in feet)

* Gage data currently unavailable.
** Sum currently unavailable.

Precipitation Departure from Average (in.)

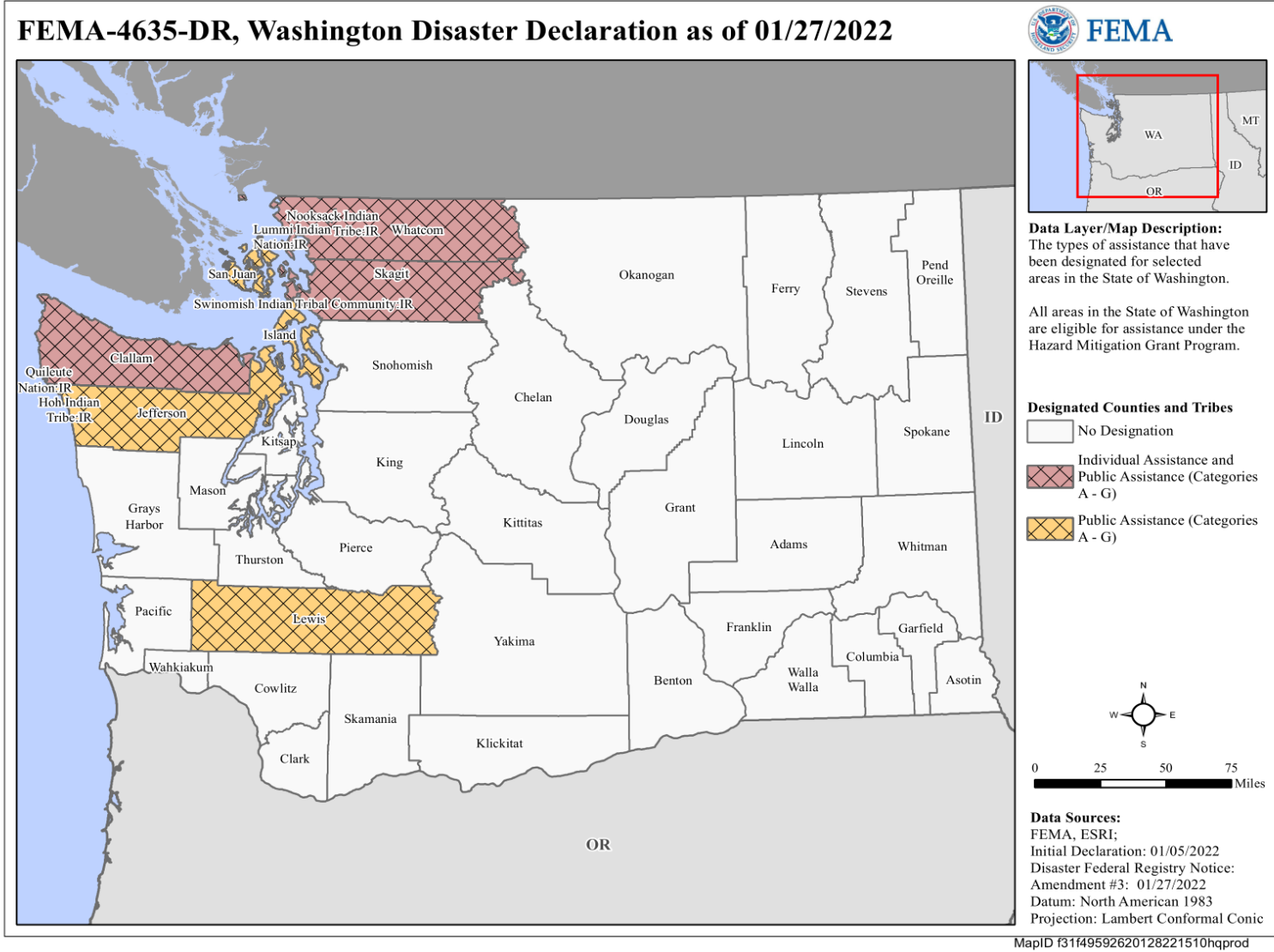
October 6, 2021 – April 5, 2022



Generated 4/ 6/2022 at WRCC using provisional data.
NOAA Regional Climate Centers

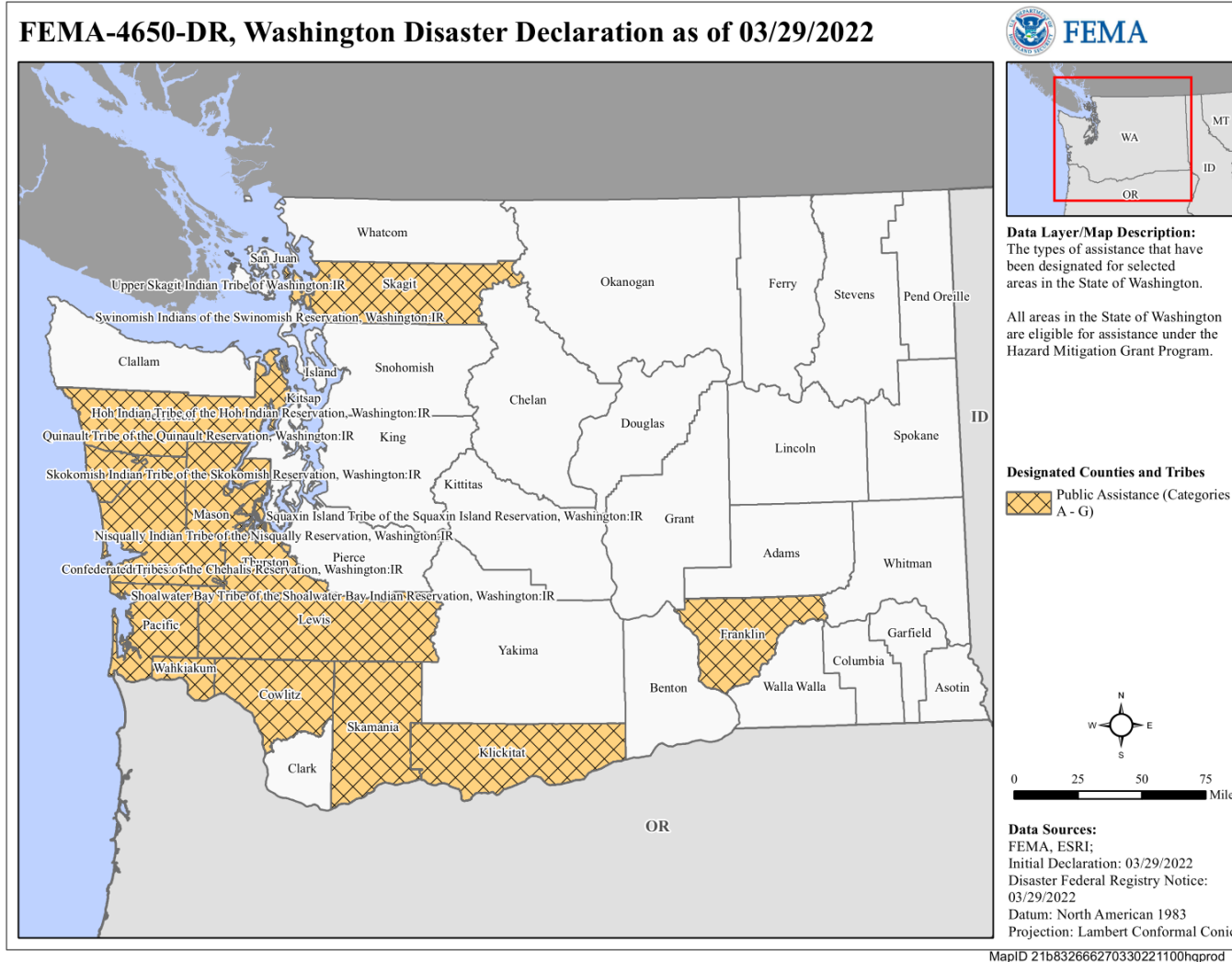
Washington Flooding and Mudslides (DR-4635-WA)

Incident Period: November 13, 2021 - November 15, 2021



Washington Severe Winter Storms, Straight-line Winds, Flooding, Landslides, and Mudslides (DR-4650-WA)

Incident Period: January 1, 2022 - January 15, 2022



Annual and Post Flood Season Facility Inspections Underway

- All facilities inspected on a minimum two-year cycle
- March 2022, 89 inspections were conducted on the Cedar, Green, Tolt, Raging, lower Snoqualmie, and the North, Middle, and South Forks of the Snoqualmie River
- 178 facilities remaining facilities to be inspected in 2022





Steve Bleifuhs, Manager
River and Floodplain Management Section

Steve.Bleifuhs@kingcounty.gov

206-477-4726

kingcounty.gov/rivers

Be prepared!
Visit kingcounty.gov/PrepareForFlooding

