



**09-003, Spring Flooding
August 26, 2009
10:00 a.m. CDT
Incident Summary Report #87**

Incident Overview

This is the final Incident Summary for this disaster. Questions related to recovery issues may be directed to Lonnie Hoffer, Disaster Recovery Chief, N.D. Department of Emergency Services, Division of Homeland Security, at lhoffer@nd.gov.

Updated information is in red.

The following is a summary of key issues related to the 2009 spring flood of the Red River of the North, Souris, Devils Lake, James and Sheyenne River Basins.

State Emergency Operations Center (SEOC) Activation – Level III (Monitoring Activation). N.D. Division of Homeland Security (NDHLS) personnel staff the SEOC daily from 8:00 a.m. until to 5:00 p.m., Monday through Friday. The NDHLS Duty Officer has responsibility for incident-related calls between 5:00 p.m. and 8:00 a.m. and on weekends and holidays.

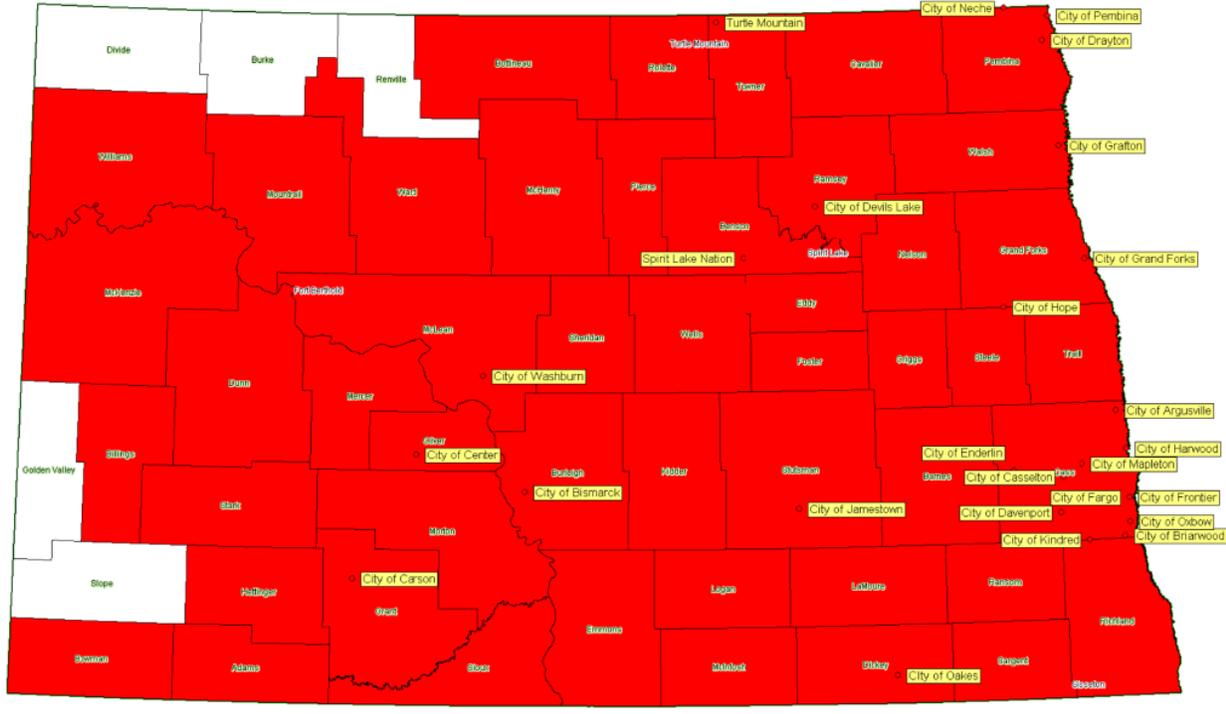
Significant Events

➤ **Dams**

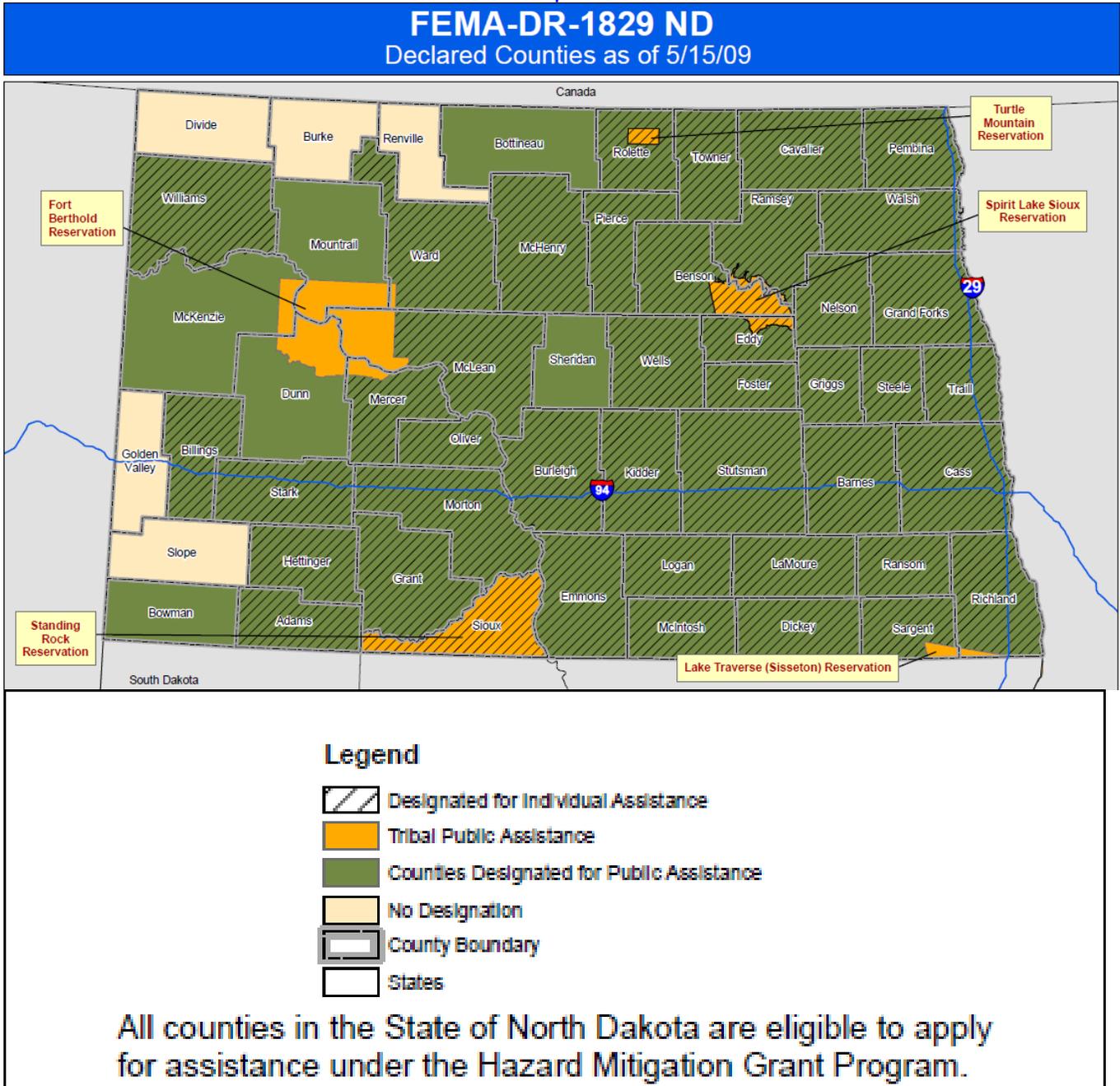
- **Pipestem and Jamestown Reservoirs** – U.S. Army Corps of Engineers (USACE) officials reported nearly all flood control storage water in the Jamestown and Pipestem Reservoirs has been evacuated. Releases are approaching normal summer levels. – August 26
- Pipestem Reservoir:
 - Current Reservoir Release –150 cfs.
 - The flood control zone is 1.1 percent occupied.
 - The current elevation is 1444.3 feet and is expected to reach 1443.7 feet by Saturday.
 - Officials anticipate the reservoir will reach 1442.9 feet by September 15 at which time releases will match expected inflows of 30 cfs.
- Jamestown Reservoir
Current Reservoir Release – 50 cfs, which matches inflows.
 - The reservoir reached the base of the flood control zone, 1431 feet, on August 9.
 - Releases will be gradually reduced to 1429.8 feet, the normal winter level.
- 2009 Spring Flood Facts
 - Pipestem Reservoir peaked on April 23 at a record level of 1492.3 feet, 4 feet below the crest of the emergency spillway and 5.3 feet higher than the 1997 record of 1487 feet.

- Jamestown Reservoir peaked on April 26 at 1451.1 feet, 0.1 feet above the crest of the emergency spillway and 8.2 feet higher than the previous record of 1445.9 feet, also set in 1997.
- Peak inflows into Jamestown Reservoir measured 10,800 cfs and 9,200 cfs for Pipestem Reservoir.
- Without the dams, total discharge in Jamestown would have been 20,000 cfs.
- Officials estimate the dams prevented \$70 million in damages to Jamestown.
- The volume at Jamestown for 2009 is expected to reach 520,000 acre feet, exceeding the previous 1997 record flow volume of 420,000 acre feet.
- Current reservoir level along with inflow and outflow rates can be found at the following website: www.usbr.gov/gp/lakes_reservoirs/north_dakota_lakes.htm
- **Estimated Livestock Losses**
 - Farm Service Agency estimated the following livestock losses occurred due to access blocked by snow and water, depleted forage and limited feed access:
 - Adult/Yearling Cattle – 19,107
 - Calves – 71,823
 - Horses – 180
 - Other Livestock – 2,948
- **Declarations (See map)**
 - On August 12, Governor John Hoeven requested the U.S. Secretary of Agriculture approve a Secretarial Disaster Declaration for qualifying counties in North Dakota. The Farm Service Agency indicated county Emergency Boards will conduct a damage assessment later this fall as harvest data is collected.
 - Governor John Hoeven issued a statewide emergency declaration on March 13.
 - The state was granted a Presidential Disaster Declaration, DR-18 29-ND, for 34 counties and two Tribal Nations on March 24. The incident period closed August 10, 2009.
 - Public Assistance: The declaration was subsequently amended and now includes 48 counties and 4 tribal reservations.
 - Individual Assistance: 41 counties and 3 tribal reservations.
 - Hazard Mitigation Grant Program (HMGP): All declared counties and tribes are eligible
 - County Declarations – 48
 - City Declarations – 41
 - Tribal Declarations - 2 tribal nations

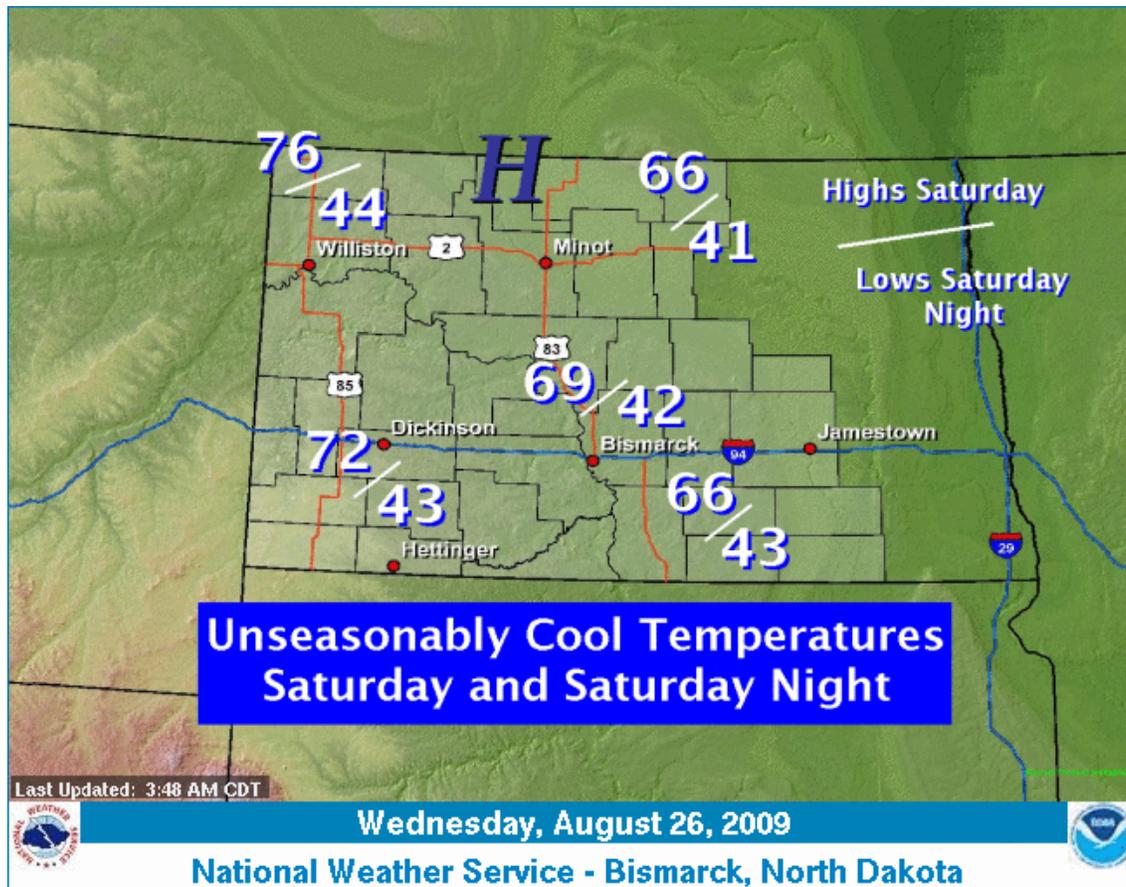
➤ Current County Declaration Map



➤ Current FEMA-DR-1829-ND Declaration Map

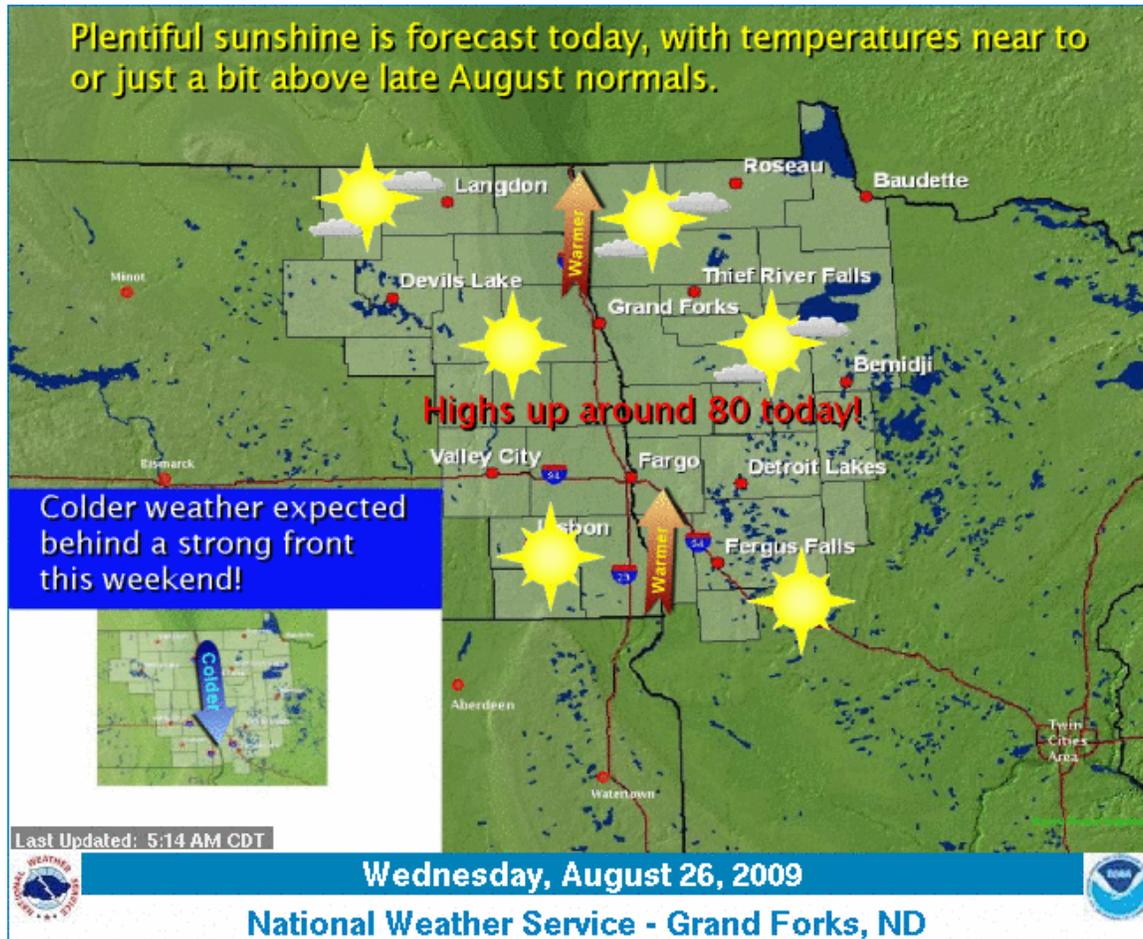


Weather Forecast for WESTERN North Dakota:



- Today:** Sunny, with a high near 95. South wind between 6 and 8 mph.
- Tonight:** Mostly clear, with a low around 56. West southwest wind between 3 and 6 mph.
- Thursday:** Sunny, with a high near 89. Light wind becoming north between 10 and 13 mph. Winds could gust as high as 20 mph.
- Thursday Night:** Mostly clear, with a low around 55. North wind between 5 and 13 mph, with gusts as high as 20 mph.
- Friday:** Sunny, with a high near 83. North northeast wind between 5 and 7 mph.
- Friday Night:** Mostly clear, with a low around 50.
- Saturday:** Sunny, with a high near 79.
- Saturday Night:** Mostly clear, with a low around 47.
- Sunday:** Sunny, with a high near 79.
- Sunday Night:** Mostly clear, with a low around 50.

Weather Forecast for EASTERN North Dakota:



- Today:** Sunny, with a high near 79. South wind around 11 mph.
- Tonight:** Mostly clear, with a low around 56. South wind between 7 and 9 mph.
- Thursday:** A 20 percent chance of showers and thunderstorms after 1 p.m. Partly cloudy, with a high near 83. Southwest wind between 7 and 10 mph.
- Thursday Night:** Partly cloudy, with a low around 54. North wind between 5 and 9 mph.
- Friday:** Mostly sunny, with a high near 69. North wind between 9 and 14 mph.
- Friday Night:** Partly cloudy, with a low around 49.
- Saturday:** Mostly sunny, with a high near 66.
- Saturday Night:** Mostly clear, with a low around 44.
- Sunday:** Sunny, with a high near 71.
- Sunday Night:** Mostly clear, with a low around 44.

River Forecasts by River Basin – Listing Includes Rivers Above Flood Stage

Rising= Steady= Falling=

Devils Lake Basin

- Devils Lake — 1,450.22 ft. The lake reached a record crest of 1,450.72 ft. on June 27.
- Stump Lake — 1,450.3 ft.

Resource/Assistance Requests

- The State Emergency Operations Center has processed 628 requests for assistance since March 12, 2009.



Refer to previous Incident Summaries, as necessary.

LOCAL

Dickey County

Dickey County Commissioners passed a resolution requesting state and federal governments conduct a detailed study of the James River system to better prepare for future floods. The State Flood Recovery Officer is coordinating the request. – August 17

STATE

N.D. Department of Emergency Services (NDDDES)

As of August 21, 2009, over \$17 million has been obligated for infrastructure repair projects statewide as follows:

- Total assistance anticipated: \$36.8 million
- Total number of Project Worksheets anticipated: 2,700
- Number of Project Worksheets - field work completed: 1,200
- Number of Project Worksheets approved: 767
- Number of Project Worksheets obligated: 537
- Total amount obligated: \$17,795,968
- Total amount disbursed: \$11,800,689

FEDERAL

Federal Emergency Management Agency (FEMA)

- FEMA Cumulative Individual Assistance Registrations: 7,357 -- August 25
 - Small Business Administration (SBA) Approvals: 433
 - Disaster Unemployment Assistance Claims received: 1,734
 - Eligible Requests for Public Assistance: 365
 - Obligated Project Worksheets: 619
- Dollar Amounts Approved: August 25
 - Individual and Household Assistance: \$7,662,191.75
 - Disaster Unemployment Assistance: \$1,148,864.00
 - SBA Applications: \$14,744,800
 - Public Assistance Obligated: \$19,023,467.76
- Floodplain Management and Insurance:
 - Insurance Claims: 1,376 totaling \$13,000,000
 - Total flood insurance policies in effect in-state: 13,360
 - The number of policy holders has increased 722.65 percent since the previous year.

VOLUNTARY AGENCIES

- Applications for the Barnes County-Valley City 2009 Flood Recovery Fund will be accepted through September 8. Local businesses and individuals have donated more than \$20,000 to the fund, which will be matched by the Dakota Medical Foundation. Applications are available at Barnes County banks, the Barnes County Courthouse, Valley City City Hall, the Barnes County Senior Center and the Rosebud Visitor Center. Applications can be sent to Flood Recovery Fund, P.O. Box 724, Valley City, ND 58072.

Division of Homeland Security
Greg M. Wilz, Director

Division of State Radio
Mike Lynk, Director