











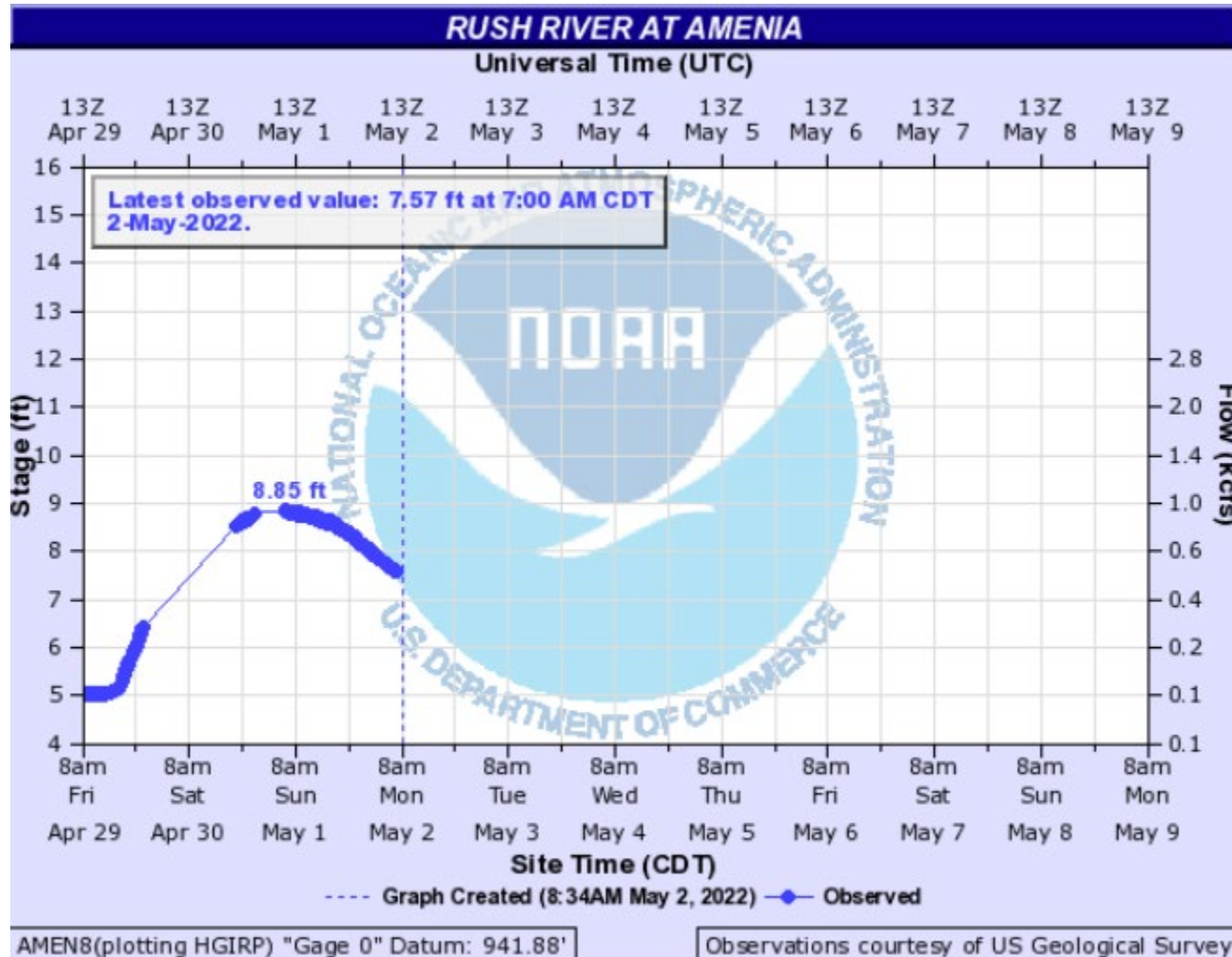


2022 Cass County Flood Update
May 2nd

10 Day Weather Forecast

Mon 5/2	Tue 5/3	Wed 5/4	Thu 5/5	Fri 5/6	Sat 5/7	Sun 5/8	Mon 5/9	Tue 5/10	Wed 5/11
44° 32°F	54° 37°F	59° 41°F	64° 43°F	65° 49°F	67° 53°F	64° 53°F	59° 46°F	54° 43°F	56° 45°F
 AM Snow Showers	 Partly Cloudy	 Cloudy	 Partly Cloudy	 Partly Cloudy	 Partly Cloudy/Wind	 Showers	 Showers	 Mostly Cloudy	 PM Showers
3 AM 0 in	0 in	0 in	0 in	0 in	0.13 in	0.43 in	0.32 in	0 in	0.11 in

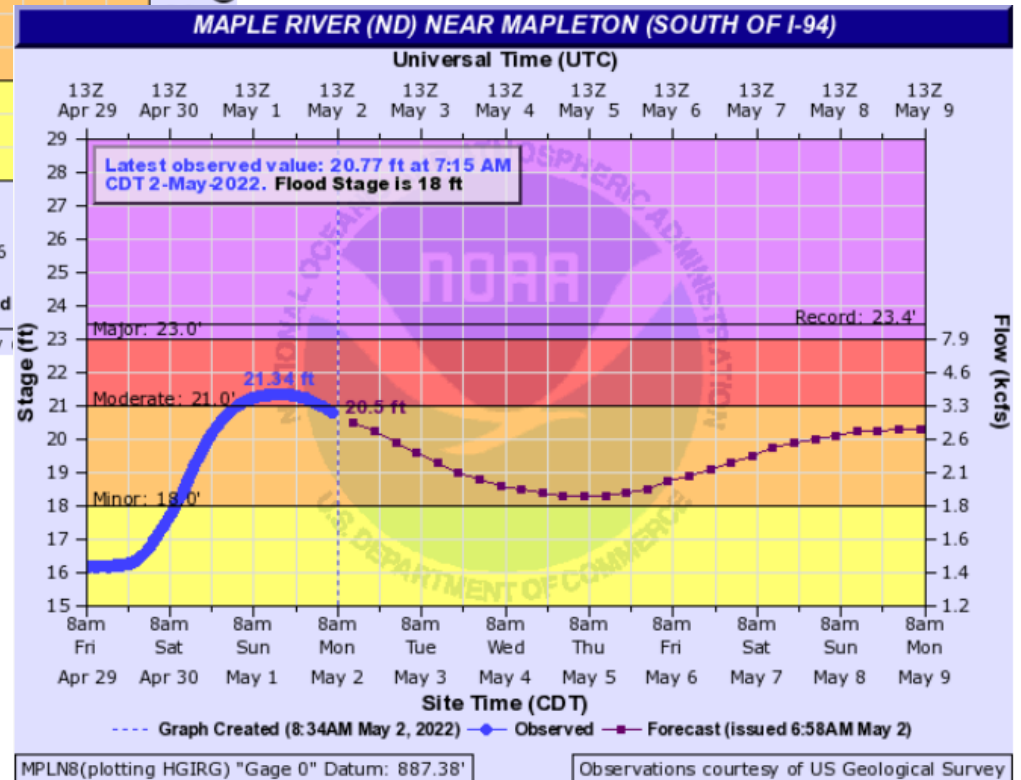
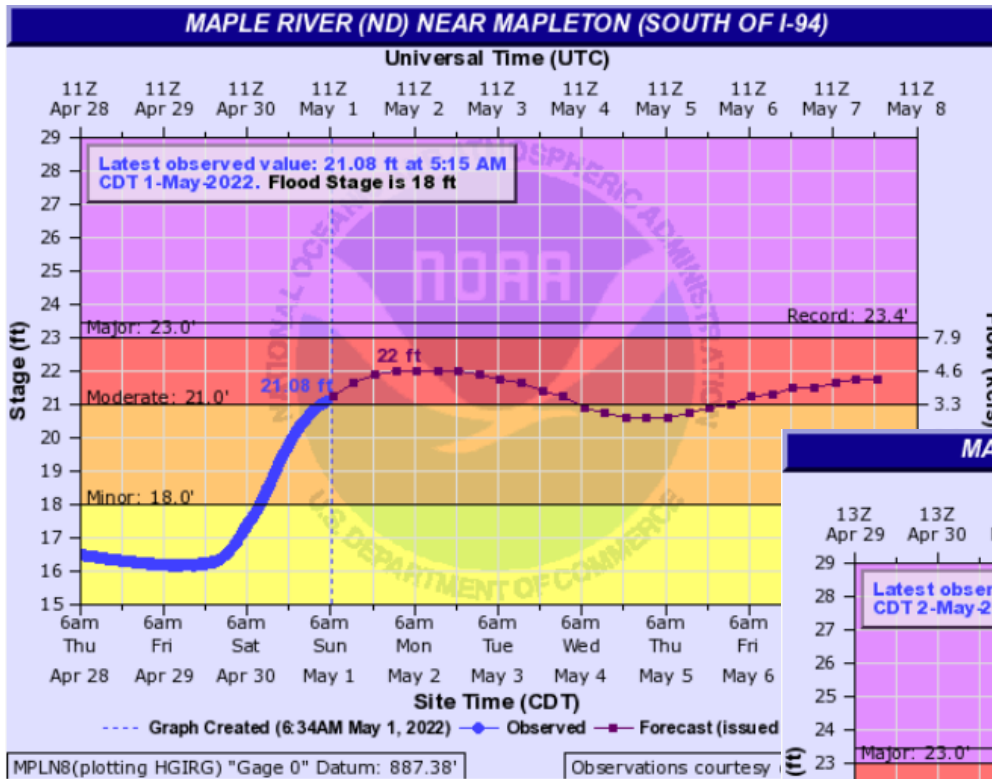
Rush River at Amenia



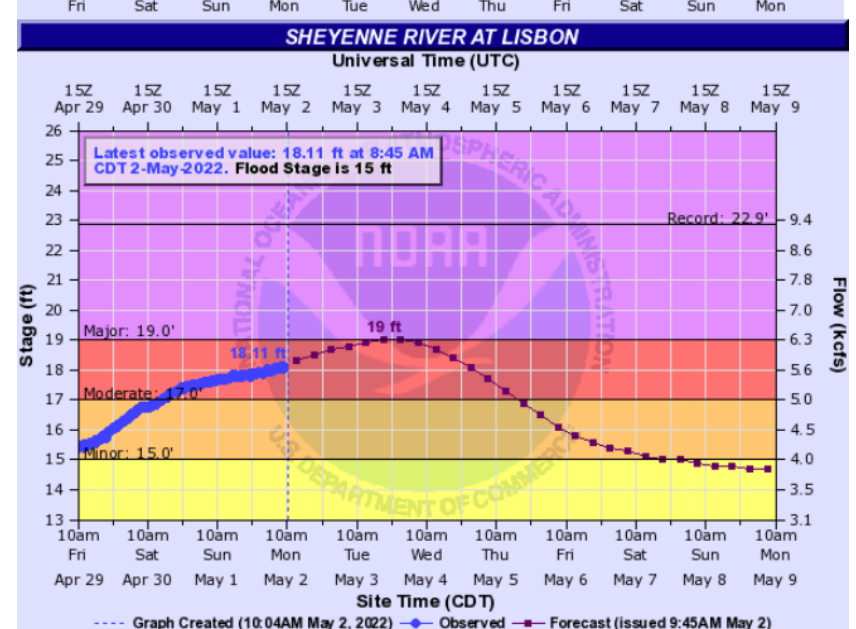
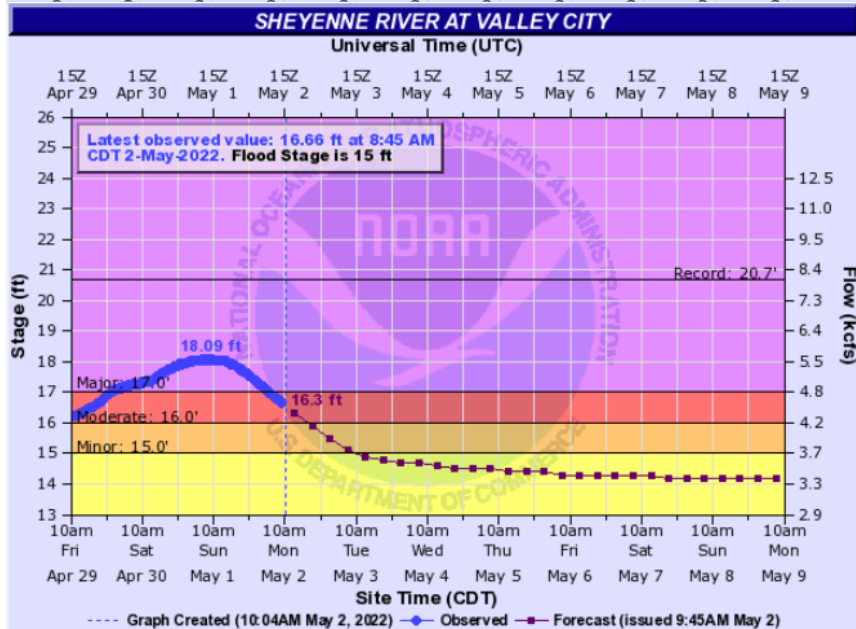
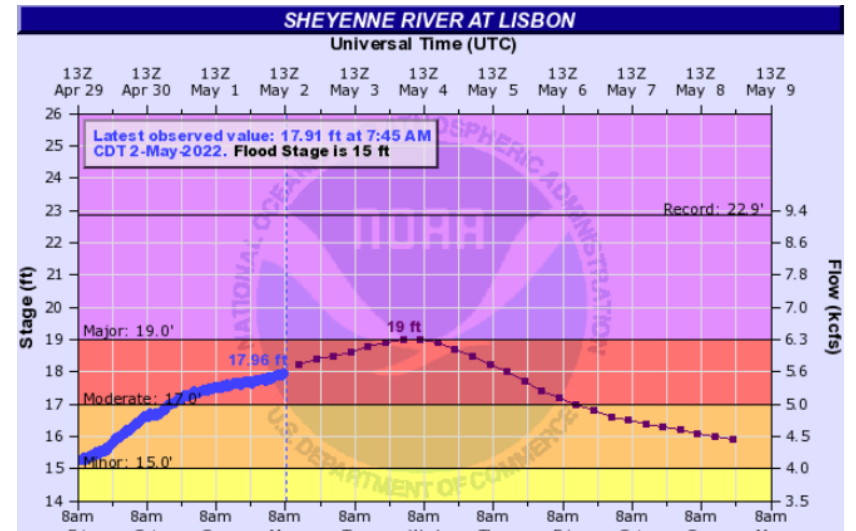
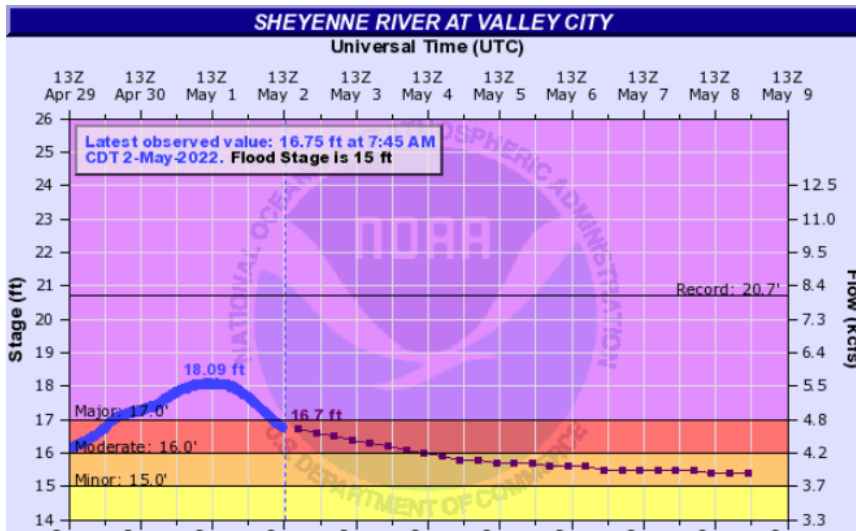
Mapleton – Top 10 Flood

Historic Crests

- (1) 23.43 ft on 04/01/2006
- (2) 23.34 ft on 04/07/2011
- (3) 23.30 ft on 03/25/2009
- (4) 23.15 ft on 04/08/2001
- (5) 23.01 ft on 03/17/2010
- (6) 22.47 ft on 04/04/2019
- (7) 22.34 ft on 06/15/2005
- (8) 22.24 ft on 04/08/2020
- (9) 20.51 ft on 04/27/2013
- (10) 19.71 ft on 06/18/2007



Sheyenne at Valley City and Lisbon



Kindred – Top 10 Flood

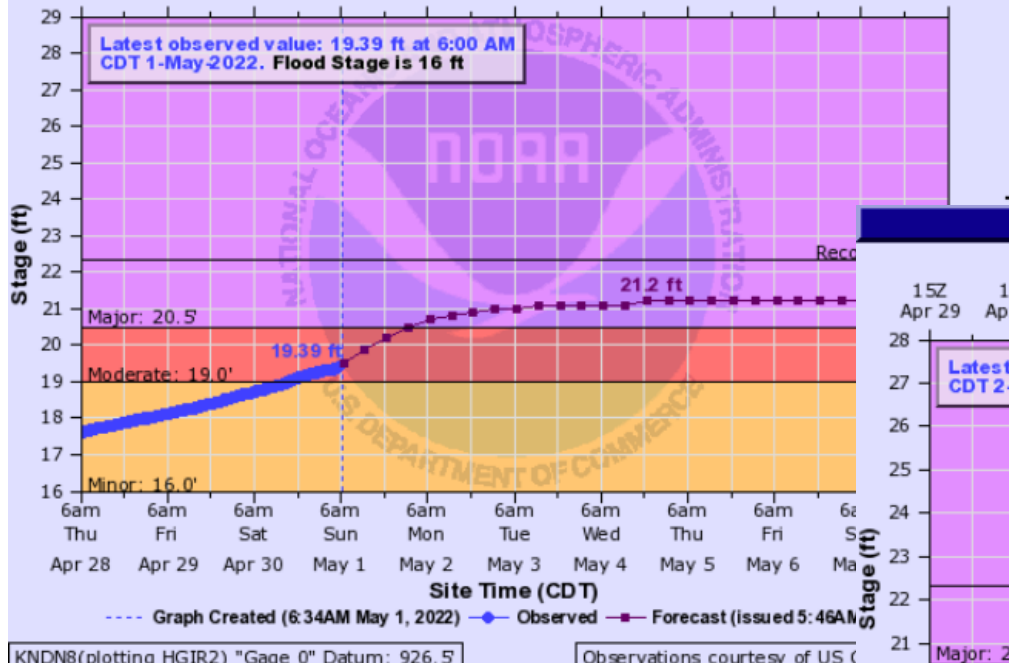
Historic Crests

- (1) 22.33 ft on 04/08/1997
- (2) 22.10 ft on 01/01/1947
- (3) 21.66 ft on 07/06/1975
- (4) 21.55 ft on 03/31/2009
- (5) 21.54 ft on 04/14/1969
- (6) 21.53 ft on 04/15/1996
- (7) 21.44 ft on 03/21/2010
- (8) 21.35 ft on 04/22/2011
- (9) 21.01 ft on 04/19/1979
- (10) 20.83 ft on 04/08/2019

SHEYENNE RIVER NEAR KINDRED

Universal Time (UTC)

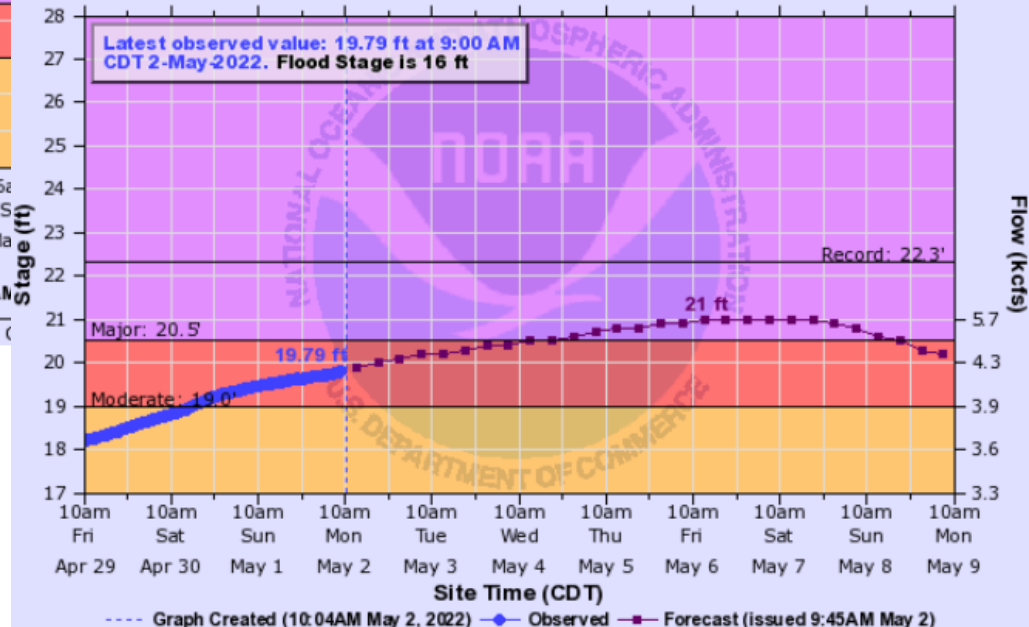
11Z Apr 28 11Z Apr 29 11Z Apr 30 11Z May 1 11Z May 2 11Z May 3 11Z May 4 11Z May 5 11Z May 6 11Z May 7 11Z May 8



SHEYENNE RIVER NEAR KINDRED

Universal Time (UTC)

15Z Apr 29 15Z Apr 30 15Z May 1 15Z May 2 15Z May 3 15Z May 4 15Z May 5 15Z May 6 15Z May 7 15Z May 8 15Z May 9



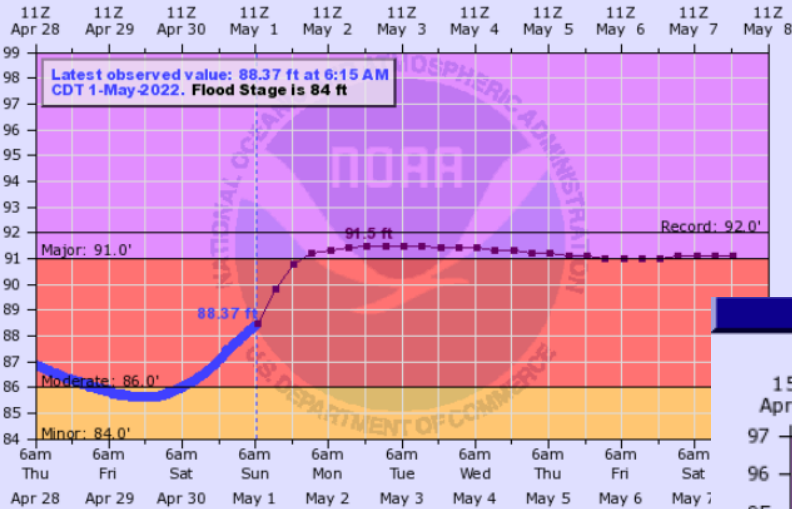
Harwood – Top 5 Flood

Historic Crests

- (1) 92.02 ft on 04/16/1997
- (2) 91.82 ft on 04/10/2011
- (3) 91.72 ft on 03/29/2009
- (4) 91.56 ft on 03/20/2010
- (5) 91.42 ft on 04/03/2006
- (6) 91.29 ft on 04/08/2019
- (7) 91.29 ft on 04/10/2001
- (8) 90.59 ft on 04/09/2020
- (9) 90.33 ft on 06/24/2000
- (10) 90.05 ft on 04/16/1996

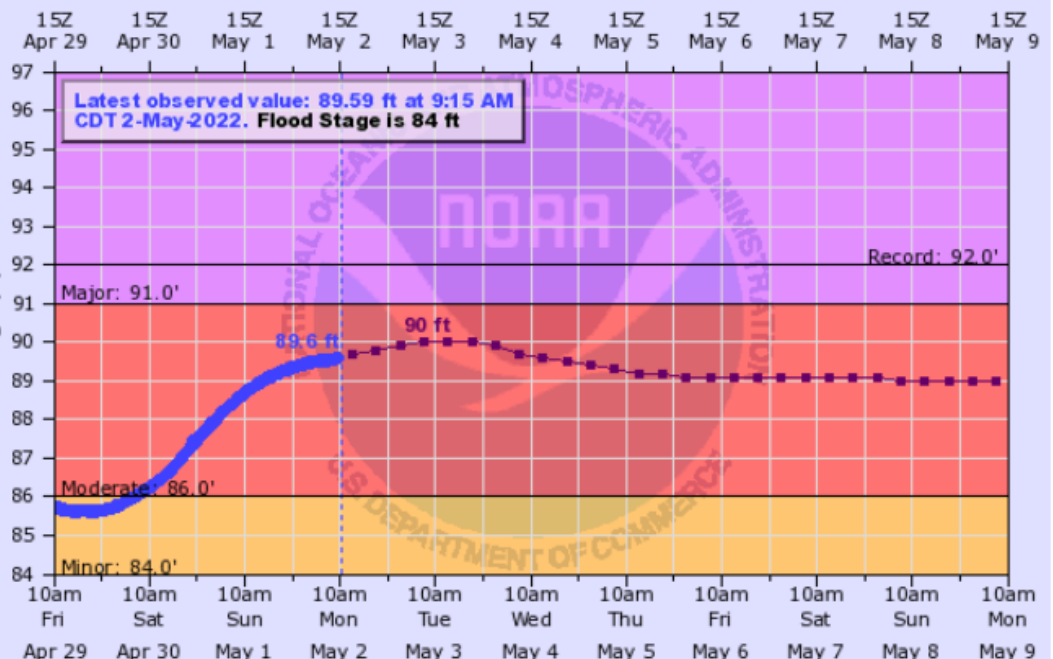
SHEYENNE RIVER AT HARWOOD

Universal Time (UTC)



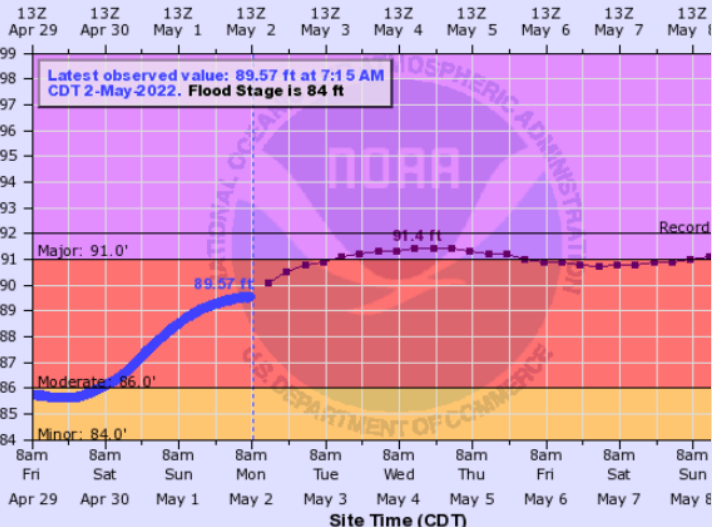
SHEYENNE RIVER AT HARWOOD

Universal Time (UTC)



SHEYENNE RIVER AT HARWOOD

Universal Time (UTC)



--- Graph Created (10:04AM May 2, 2022) ● Observed ■ Forecast (issued 9:45AM May 2)

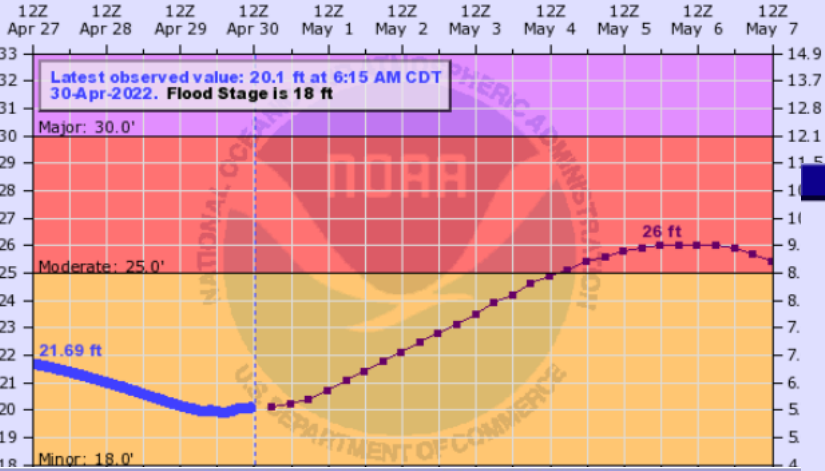
--- Graph Created (8:04AM May 2, 2022) ● Observed ■ Forecast (issued 4:21AM May 2) HWDN8(plotting HGIRG) "Gage 0" Datum: 801.16'

Observations courtesy of US Geological Survey

Fargo

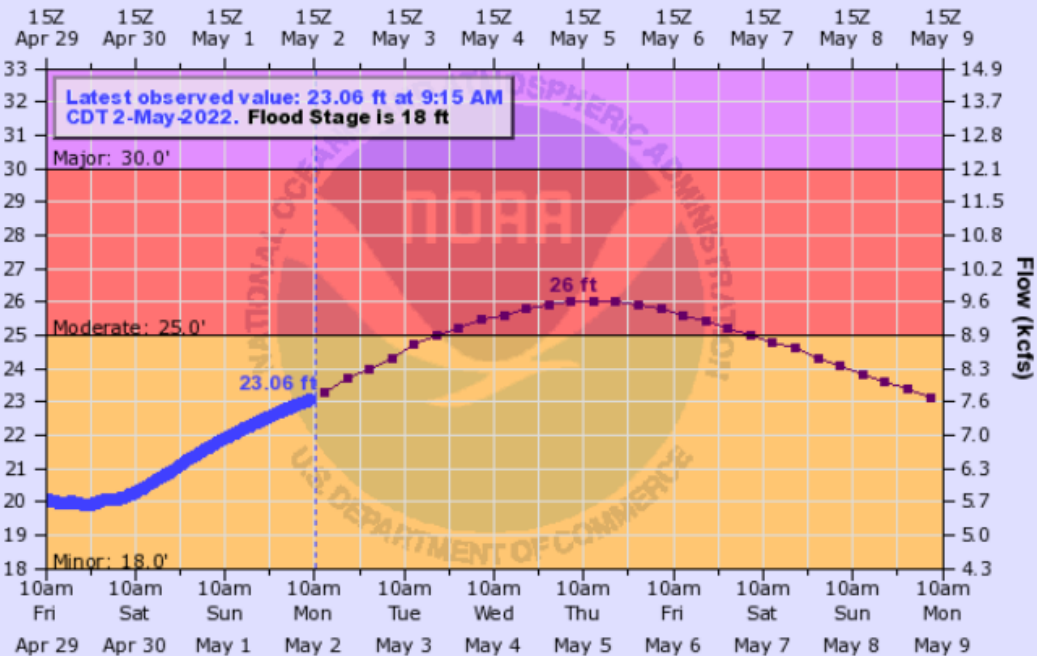
RED RIVER OF THE NORTH AT FARGO

Universal Time (UTC)



RED RIVER OF THE NORTH AT FARGO

Universal Time (UTC)



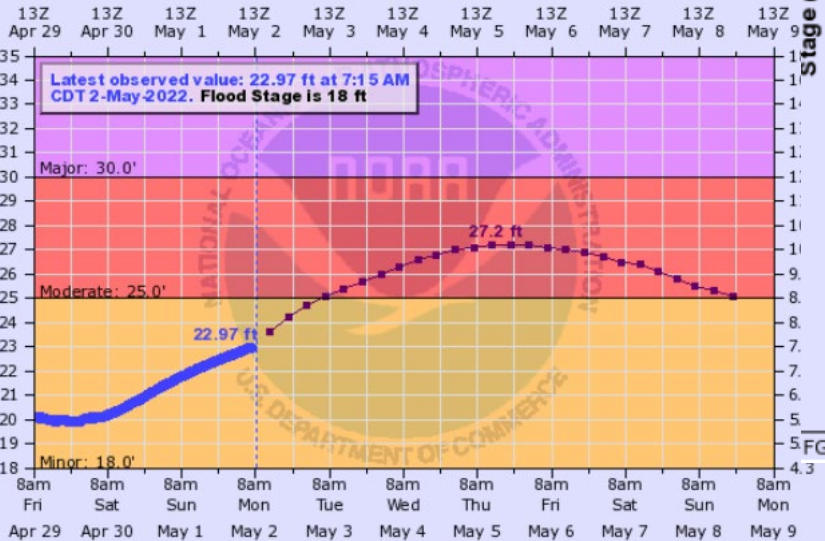
--- Graph Created (10:34AM May 2, 2022) —●— Observed —■— Forecast (issued 9:55AM May 2)

FGON8(plotting HGIRG) "Gage 0" Datum: 862.88'

Observations courtesy of US Geological Survey

RED RIVER OF THE NORTH AT FARGO

Universal Time (UTC)



--- Graph Created (8:34AM May 2, 2022) —●— Observed —■— Forecast (issued 4:32AM May 2)

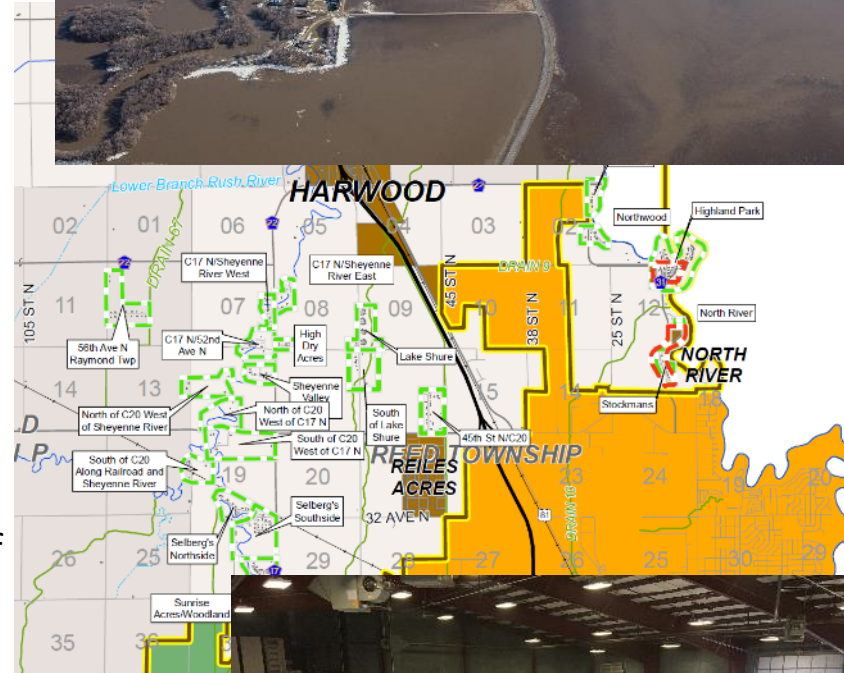
FGON8(plotting HGIRG) "Gage 0" Datum: 862.88'

Observations courtesy of US Geological Survey

WRD Update and Dams

Cass County Sandbag Deployment

- Sandbags – Filled: 10k & 5k from Fargo
- Sandbags Deployed – approximately 11k filled bags have been delivered to the area between West Fargo and Harwood
- Filled Sandbags still available – 4500
- Empty Sandbags:
 - 425,000 available
 - Sold in bundles of 1,000 for \$100 at the Cass County Highway Department
 - Cass County deliver a load of sand for every bundle of sandbags
 - Availability of Sand – we will deliver from our yard
 - Fill your own at the Highway Dept.



Road Closures

- Current Closures:
 - Cass 10 between Buffalo and Tower City at the Maple River
 - Cass 1 north of Tower City near Cass 4
- Expected
 - Cass 17 north of West Fargo to Harwood at Cass 20
 - Cass 20 at Cass 17, at the Sheyenne River, and near Cass 13
 - Potential for Cass 16 and Cass 36 between Kindred and Horace (looking less likely)

Public Information and Media

- Got information out to the media to inform the public along the Sheyenne and Maple Rivers
 - Forum, WDAY, and KVRR
- Contacted the following:
 - Harwood, Reed, Raymond, Mapleton, Warren, and Normanna Townships
 - Cities of Kindred, Harwood, and Mapleton
 - National Cemetery
 - Rural Subdivisions between WF & Harwood were covered by Deputies
 - Harwood City Flood Emergency Declaration
- Updated our Website with flood Info

