

Red River and Devils Lake Basins - 2025 Spring Flood Outlook

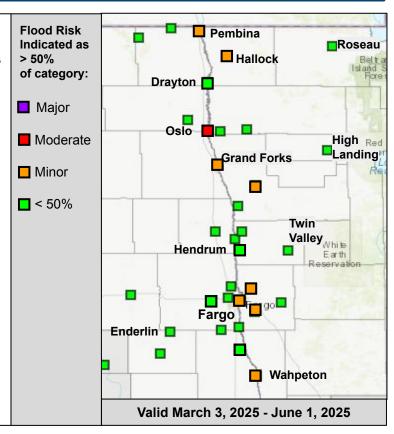
NWS Grand Forks • North Central River Forecast Center • February 27, 2025

This outlook is for the US portion of the basin and based on conditions through Monday, February 24, 2025. Visit our website at weather.gov/fgf/currentfloodoutlook for associated exceedance graphics, probabilities, and related discussions. An additional spring flood outlook will be issued on March 13th.

Key Message: The risk for significant (moderate or higher) spring flooding is low with this outlook issuance, running below long-term historical averages across the the Red River Basin (US portion).

Key Points:

- Minor to isolated moderate spring flooding in this outlook (50% exceedance probability) for some locations.
- Well above normal precipitation last November led to saturated soils and slightly elevated river levels before freeze-up. However, snowfall and associated precipitation has been well below normal this winter for the majority of the basin.
- Minimal snowpack early in the winter followed by below normal temperatures has led to a deep frost layer. Above normal temperatures are expected into March which will continue to erode any remaining snowpack and begin to thaw frozen soils.
- Spring precipitation, especially any rainfall on frozen ground, will be the most important flood risk factor in the coming months.



Snowmelt Flood Components:

- **1. Fall + Winter Precipitation and Soil Moisture: Below normal.** Fall precipitation (Sep.-Nov. 2024) was below normal for much of the basin. However, the fall season did end with well above normal Nov. precipitation, especially across northeastern North Dakota, which saturated soils before freezing up. Below normal precipitation continued through the winter, allowing abnormally dry to severe drought conditions to persist across the southern basin and into north central Minnesota.
- **2. Base Streamflow: Near to slightly above normal.** At the end of Dec., USGS analyses indicated the Red River and its tributaries were flowing near to slightly above normal (especially in the far south) due to above normal Nov. precipitation.
- **3. Frost Depth: Deeper than normal.** Minimal to no snowpack early in the winter, followed by stretches of below normal temperatures, led to the formation of a deep frost layer. Currently, frost depth values range from 35-50 inches across the basin although some thawing of the top layer of soil has occurred due to recent above normal temperatures.
- **4. Snowpack and Associated Water Content: Below normal.** Snowfall (and associated water content) since Dec. 1st is running 25-75 percent of normal, lowest across the southern and central basin and up into northwestern Minnesota. Recent above normal temperatures have allowed melting of the snowpack to commence with current snow depths ranging from zero across the southern basin to up to 10 inches in isolated areas near the international border.
- **5. Future Conditions:** Climate outlooks now indicate above normal temperatures into March which will continue to melt any remaining snowpack and slowly thaw frozen soils. While near to below normal precipitation is currently predicted, any rainfall on frozen ground (or any lingering snowpack) will continue to be the most important flood risk factor.

DEVILS LAKE AND STUMP LAKE

Valid February 24, 2025 - September 30, 2025

DEVILS LAKE	95%	90%	75%	50%	25%	10%	5%
Creel Bay	1450.3	1450.4	1450.6	1450.8	1451.3	1451.8	1452.4
Eastern Stump Lake	1450.3	1450.4	1450.6	1450.8	1451.3	1451.8	1452.4

Devils Lake and Stump Lake are currently at ~1449.4 ft (zero datum 1400.00 NGVD29).

RED RIVER AND TRIBUTARIES

Valid March 3, 2025 - June 1, 2025

Note	RED RIVER MAINSTEM	95%	90%	75%	50%	25%	10%	5%	
Farge Halstad 12.7 13.4 16.9 21.3 26.5 31.7 35.6 Grand Forks 21.8 22.7 26.7 31.5 38.1 42.0 44.3 Oslo 19.5 20.7 26.2 31.7 34.3 35.5 36.4 Higher stage of effects due for permit and the properties and the p									14016
Hallstad 12.7 13.4 16.9 21.3 26.5 31.7 35.6 take into a feffects due of Grand Forks 21.8 22.7 26.7 31.5 38.1 42.0 44.3 61.5 61.									
Oslo Oslo 19.5 20.7 26.2 31.7 34.3 35.5 36.4 Drayton 20.8 21.4 26.1 31.7 37.3 39.7 41.1 Pembina 30.3 32.1 36.9 42.2 46.2 48.6 50.4 MINNESOTA TRIBUTARIES 95% 96% 75% 56% 25% 10% 5% South Fork Buffalo River Sabin 12.6 12.7 13.4 13.9 14.5 15.1 16.1 Buffalo River Hawley 5.3 5.6 6.2 7.3 8.6 9.0 9.3 Dilworth 12.3 12.9 15.1 17.1 19.3 20.9 21.6 Wild Rice River Twin Valley 4.6 4.8 5.6 6.5 7.7 8.7 10.0 Hendrum 12.2 13.8 17.0 19.9 23.6 27.4 28.9 Marsh River Shelly Sand Hill River Climax 9.1 9.7 11.2 11.8 15.5 19.1 22.2 Red Lake River High Landing 10.2 10.6 12.6 15.5 17.4 20.7 23.2 Snake River Above Warren Above Warren Allardo 99.6 100.3 101.1 103.1 106.3 108.0 109.4 Two Rivers River Hallock Roseau River Roseau River Roseau River Roseau River Roseau River Abercrombie* 12.7 13.5 15.2 19.5 24.2 27.4 29.3 *Flood stages increased Sheyonne River Valley City 1.5 8 6.1 6.9 8.4 11.0 12.0 12.8 Kindred Abercrombie* 12.7 13.5 15.2 19.5 24.2 27.4 29.3 *Flood stages increased Sheyonne River Valley City 1.5 8 6.1 6.9 8.4 11.0 12.0 12.8 Kindred Mest Fango Diversion 10.7 10.8 10.9 11.6 13.0 15.4 18.7 HAPLOCO Maple River Enderlin 5.4 5.8 7.0 8.0 9.7 11.3 12.4 Maple River Enderlin 5.4 5.8 7.0 8.0 9.7 11.3 12.4 Maple River Hillsboro 6.9 6.2 7.0 7.8 9.6 12.0 13.3	_								
Drayton 20.8 21.4 26.1 31.7 37.3 39.7 41.1	Grand Forks	21.8							
Pembina 30.3 32.1 36.9 42.2 46.2 48.6 50.4 depicted may multiple from the first process of the following process of the f	Oslo		20.7						
### MINNESOTA TRIBUTARIES 95% 96% 75% 56% 25% 16% 5% South Fork Buffalo River 12.6 12.7 13.4 13.9 14.5 15.1 16.1 Buffalo River 12.3 12.9 15.1 17.1 19.3 20.9 21.6 Wild Rice River 12.3 12.9 15.1 17.1 19.3 20.9 21.6 Wild Rice River 12.2 13.8 17.0 19.9 23.6 27.4 28.9 Marsh River 12.2 13.8 17.0 19.9 23.6 27.4 28.9 Marsh River 12.2 13.8 17.0 19.9 23.6 27.4 28.9 Marsh River 14.1 15.5 19.1 22.2 Mild Rice River 16.9 7.7 8.8 9.5 11.2 12.9 14.9 Eagen 16.9 7.7 8.8 9.5 11.2 12.9 14.9 Eagen 16.9 16.9 17.1 18.1 15.5 19.1 22.2 Mild Rice River 16.4 16.5 16.5 16.5 16.0 Modera Majo	Drayton	20.8	21.4	26.1	31.7	37.3	39.7	41.1	
South Fork Buffalo River Sabin 12.6 12.7 13.4 13.9 14.5 15.1 16.1 Buffalo River Hawley 5.3 5.6 6.2 7.3 8.6 9.0 9.3 Dilworth 12.3 12.9 15.1 17.1 19.3 20.9 21.6 Millow River Twin Valley 4.6 4.8 5.6 6.5 7.7 8.7 10.0 Hendrum 12.2 13.8 17.0 19.9 23.6 27.4 28.9 Marsh River Shelly 6.9 7.7 8.8 9.5 11.2 12.9 14.9 Sand Hill River Climax 9.1 9.7 11.2 11.8 15.5 19.1 22.2 Millow Red Lake River High Landing 3.6 4.2 5.0 6.3 8.2 9.1 10.0 Moders Majo Crookston 10.2 10.6 12.6 15.5 17.4 20.7 23.2 Millow Roseau River Above Warren 62.6 62.8 63.3 64.1 65.1 66.5 68.1 Alvarado 99.6 100.3 101.1 103.1 106.3 108.0 109.4 Two Rivers River Hallock 799.6 800.2 801.7 804.0 805.5 807.5 808.8 Roseau River Roseau 8.8 9.0 9.7 11.1 13.1 15.5 16.0 NORTH DAKOTA TRIBUTARIES 95% 90% 75% 50% 25% 10% 5% Millow River 12.7 13.5 15.2 19.5 24.2 27.4 29.3 Flood stages increased Sheyenne River Valley City 5.8 6.1 6.9 8.4 11.0 12.0 12.8 Lisbon 10.7 10.8 10.9 11.6 13.0 15.4 18.7 Hallow River 12.7 13.5 15.2 19.5 24.2 27.4 29.3 Flood stages increased 10.7 10.8 10.9 11.6 13.0 15.4 18.7 Hallow River 10.7 10.8 10.9 11.6 13.0 15.4 18.7 Hallow River 10.7 10.8 10.9 11.6 13.0 15.4 18.7 Hallow River 11.8 12.7 14.0 16.9 19.5 21.2 22.5 10.5 12.6 13.3 13.4 13.5 13.5 13.3 13.4 13.5 1	Pembina	30.3	32.1	36.9	42.2	46.2	48.6	50.4	depicted may
Sabin 12.6 12.7 13.4 13.9 14.5 15.1 16.1	MINNESOTA TRIBUTARIES	95%	90%	75%	50%	25%	10%	5%	
Buffalo River Hawley 5.3 5.6 6.2 7.3 8.6 9.0 9.3 Dilworth 12.3 12.9 15.1 17.1 19.3 20.9 21.6 Wild Rice River Twin Valley 4.6 4.8 5.6 6.5 7.7 8.7 10.0 Hendrum 12.2 13.8 17.0 19.9 23.6 27.4 28.9 Marsh River Shelly 6.9 7.7 8.8 9.5 11.2 12.9 14.9 Sand Hill River Climax 9.1 9.7 11.2 11.8 15.5 19.1 22.2 Red Lake River High Landing 3.6 4.2 5.0 6.3 8.2 9.1 10.0 Crookston 10.2 10.6 12.6 15.5 17.4 20.7 23.2 Snake River Above Warren 62.6 62.8 63.3 64.1 65.1 66.5 68.1 Alvarado 99.6 100.3 101.1 103.1 106.3 108.0 109.4 Two Rivers River Hallock 799.6 800.2 801.7 804.0 805.5 807.5 808.8 Roseau River Roseau River Roseau River Roseau River Abercrombie* Sheyenne River Valley City 5.8 6.1 6.9 8.4 11.0 12.0 12.8 West Fargo Diversion 10.7 10.8 10.9 11.6 13.0 15.4 18.7 Harwood 75.3 75.5 6.4 8.1 10.8 11.9 14.5 Kindred 6.7 6.9 7.9 9.9 12.9 15.8 18.8 West Fargo Diversion 10.7 10.8 10.9 11.6 13.0 15.4 18.7 Harwood 75.3 75.5 76.0 78.2 80.1 86.6 91.2 Maple River Enderlin 5.4 5.8 7.0 8.0 9.7 11.3 12.4 Mapleton 11.8 12.7 14.0 16.9 19.5 21.2 22.5 Goose River Hillsboro 3.4 3.6 4.2 5.3 7.5 10.3 12.6 Forest River Minto 3.2 3.3 3.8 4.3 5.1 6.5 7.5 Pembina River Walhalla 6.0 6.2 7.0 7.8 9.6 12.0 13.3	South Fork Buffalo River								
Hawley	Sabin	12.6	12.7	13.4	13.9	14.5	15.1	16.1	
Dilworth 12.3 12.9 15.1 17.1 19.3 20.9 21.6	Buffalo River								
Wild Rice River	Hawley	5.3	5.6	6.2		8.6	9.0	9.3	
Twin Valley Hendrum 12.2 13.8 17.0 19.9 23.6 27.4 28.9 Marsh River Shelly Sand Hill River Climax Red Lake River High Landing Crookston Snake River Above Warren Hallock Roseau River Roseau 8.8 9.0 9.7 11.1 13.1 15.5 16.0 NORTH DAKOTA TRIBUTARIES Sheynen River Abercrombie* Sheynen River Aber Rive		12.3	12.9	15.1	17.1	19.3	20.9	21.6	
Hendrum									
Marsh River Shelly Sand Hill River Climax 9.1 9.7 11.2 11.8 15.5 19.1 22.2 Red Lake River High Landing Crookston Snake River Above Warren Hallock Roseau River Abercrombie* Sheyenne River Valley City Lisbon Sindred G.7 6.9 7.9 9.9 12.9 15.8 18.8 West Fargo Diversion Harwood Forest River Enderlin Mapleton Goose River Hillsboro Roseau Rose	_								
Shelly		12.2	13.8	17.0	19.9	23.6	27.4	28.9	
Legen									
Red Lake River High Landing		6.9	7.7	8.8	9.5	11.2	12.9	14.9	Legen
Red Lake River High Landing		0 1	0 7	44.0	44.0	45.5	10.1	22.2	
High Landing Crookston 10.2 10.6 12.6 15.5 17.4 20.7 23.2 Snake River Above Warren Above Warren Above Warren Hallock Roseau River Roseau 8.8 9.0 9.7 11.1 13.1 15.5 16.0 NORTH DAKOTA TRIBUTARIES Sheyenne River Valley City Lisbon Sinded Correct		9.1	9./	11.2	11.8	15.5	19.1	22.2	Minor
Crookston 10.2 10.6 12.6 15.5 17.4 20.7 23.2 *Flood of R		2.6	4.2	г о	6.3	0.2	0 1	10.0	
Snake River Above Warren Above Warren Above Warren Alvarado 99.6 100.3 101.1 103.1 106.3 108.0 109.4 Two Rivers River Hallock 799.6 800.2 801.7 804.0 805.5 807.5 808.8 Roseau River Roseau 8.8 9.0 9.7 11.1 13.1 15.5 16.0 NORTH DAKOTA TRIBUTARIES 95% 90% 75% 50% 25% 10% 5% Wild Rice River Abercrombie* 12.7 13.5 15.2 19.5 24.2 27.4 29.3 *Flood stages increased Sheyenne River Valley City 5.8 6.1 6.9 8.4 11.0 12.0 12.8 Lisbon 5.3 5.5 6.4 8.1 10.8 11.9 14.5 Kindred 6.7 6.9 7.9 9.9 12.9 15.8 18.8 West Fargo Diversion 10.7 10.8 10.9 11.6 13.0 15.4 18.7 Harwood Maple River Enderlin 5.4 5.8 7.0 8.0 9.7 11.3 12.4 Mapleton 11.8 12.7 14.0 16.9 19.5 21.2 22.5 Goose River Hillsboro 3.4 3.6 4.2 5.3 7.5 10.3 12.6 Forest River Minto Pembina River Walhalla 6.0 6.2 7.0 7.8 9.6 12.0 13.3									
Above Warren Alvarado 99.6 100.3 101.1 103.1 106.3 108.0 109.4 Two Rivers River Hallock 799.6 800.2 801.7 804.0 805.5 807.5 808.8 Roseau River Roseau 8.8 9.0 9.7 11.1 13.1 15.5 16.0 NORTH DAKOTA TRIBUTARIES 95% 90% 75% 50% 25% 10% 5% Wild Rice River Abercrombie* 12.7 13.5 15.2 19.5 24.2 27.4 29.3 Flood stages increased Sheyenne River Valley City 5.8 6.1 6.9 8.4 11.0 12.0 12.8 Lisbon 5.3 5.5 6.4 8.1 10.8 11.9 14.5 Kindred 6.7 6.9 7.9 9.9 12.9 15.8 18.8 West Fargo Diversion 10.7 10.8 10.9 11.6 13.0 15.4 18.7 Harwood 75.3 75.5 76.0 78.2 80.1 86.6 91.2 Maple River Enderlin 5.4 5.8 7.0 8.0 9.7 11.3 12.4 Mapleton 11.8 12.7 14.0 16.9 19.5 21.2 22.5 Goose River Hillsboro 3.4 3.6 4.2 5.3 7.5 10.3 12.6 Forest River Minto 3.2 3.3 3.8 4.3 5.1 6.5 7.5 Pembina River Walhalla 6.0 6.2 7.0 7.8 9.6 12.0 13.3		10.2	10.6	12.0	15.5	17.4	20.7	23.2	*Flood of R
Alvarado 99.6 100.3 101.1 103.1 106.3 108.0 109.4 Two Rivers River Hallock 799.6 800.2 801.7 804.0 805.5 807.5 808.8 Roseau River Roseau 8.8 9.0 9.7 11.1 13.1 15.5 16.0 NORTH DAKOTA TRIBUTARIES 95% 90% 75% 50% 25% 10% 5% Wild Rice River Abercrombie* 12.7 13.5 15.2 19.5 24.2 27.4 29.3 *Flood stages increased Sheyenne River Valley City 5.8 6.1 6.9 8.4 11.0 12.0 12.8 Lisbon 5.3 5.5 6.4 8.1 10.8 11.9 14.5 Kindred 6.7 6.9 7.9 9.9 12.9 15.8 18.8 West Fargo Diversion 10.7 10.8 10.9 11.6 13.0 15.4 18.7 Harwood 75.3 75.5 76.0 78.2 80.1 86.6 91.2 Maple River Enderlin 5.4 5.8 7.0 8.0 9.7 11.3 12.4 Mapleton 11.8 12.7 14.0 16.9 19.5 21.2 22.5 Goose River Hillsboro 3.4 3.6 4.2 5.3 7.5 10.3 12.6 Forest River Minto 3.2 3.3 3.8 4.3 5.1 6.5 7.5 Pembina River Walhalla 6.0 6.2 7.0 7.8 9.6 12.0 13.3		62 6	62.8	63 3	6/1 1	65 1	66 5	69 1	
Two Rivers River Hallock									
Hallock 799.6 800.2 801.7 804.0 805.5 807.5 808.8 Roseau River Roseau 8.8 9.0 9.7 11.1 13.1 15.5 16.0 NORTH DAKOTA TRIBUTARIES 95% 90% 75% 50% 25% 10% 5% Wild Rice River Abercrombie* 12.7 13.5 15.2 19.5 24.2 27.4 29.3 *Flood stages increased Sheyenne River Valley City 5.8 6.1 6.9 8.4 11.0 12.0 12.8 Lisbon 5.3 5.5 6.4 8.1 10.8 11.9 14.5 Kindred 6.7 6.9 7.9 9.9 12.9 15.8 18.8 West Fargo Diversion 10.7 10.8 10.9 11.6 13.0 15.4 18.7 Harwood 75.3 75.5 76.0 78.2 80.1 86.6 91.2 Maple River 8 9.0 8.0 9.7 11.3 12.4 Mapleton 11.8 12.7 14.0 16.9 19.5		22.0	100.5	101.1	103.1	100.5	100.0	105.4	
Roseau 8.8 9.0 9.7 11.1 13.1 15.5 16.0 NORTH DAKOTA TRIBUTARIES 95% 90% 75% 50% 25% 10% 5% Wild Rice River		799.6	800.2	801.7	804.0	805.5	807.5	808.8	
NORTH DAKOTA TRIBUTARIES 95% 90% 75% 50% 25% 10% 5% Wild Rice River Abercrombie* 12.7 13.5 15.2 19.5 24.2 27.4 29.3 *Flood stages increased Sheyenne River Valley City 5.8 6.1 6.9 8.4 11.0 12.0 12.8 Lisbon 5.3 5.5 6.4 8.1 10.8 11.9 14.5 Kindred 6.7 6.9 7.9 9.9 12.9 15.8 18.8 West Fargo Diversion 10.7 10.8 10.9 11.6 13.0 15.4 18.7 Harwood 75.3 75.5 76.0 78.2 80.1 86.6 91.2 Maple River Enderlin 5.4 5.8 7.0 8.0 9.7 11.3 12.4 Mapleton 3.4 3.6 4.2 5.3 7.5 10.3 12.6 Forest Riv		, , , , ,	00012	001.7	00110	003.3	007.5	000.0	
NORTH DAKOTA TRIBUTARIES 95% 90% 75% 50% 25% 10% 5% Wild Rice River Abercrombie* 12.7 13.5 15.2 19.5 24.2 27.4 29.3 *Flood stages increased Sheyenne River Valley City Lisbon		8.8	9.0	9.7	11.1	13.1	15.5	16.0	
Wild Rice River Abercrombie* Sheyenne River Valley City Lisbon Kindred West Fargo Diversion Harwood Maple River Enderlin Mapleton Goose River Hillsboro Forest River Minto Mild Rice River 12.7 13.5 15.2 19.5 24.2 27.4 29.3 *Flood stages increased Flood Stages increased 12.7 13.5 15.2 19.5 24.2 27.4 29.3 *Flood stages increased 12.7 13.5 15.2 19.5 24.2 27.4 29.3 *Flood stages increased 12.7 13.5 15.2 19.5 24.2 27.4 29.3 *Flood stages increased 12.7 13.5 15.2 19.5 24.2 27.4 29.3 *Flood stages increased 12.7 12.8 11.0 12.0 12.8 11.9 14.5 12.8 11.0 12.0 12.8 11.9 14.5 12.8 11.0 12.0 12.8 12.9 15.8 18.8 12.9 12.0 13.0 15.4 18.7 13.0 15.4 18.7 14.0 16.9 19.5 21.2 22.5 14.0 16.9 19.5 21.2 22.5 15.0 12.0 13.3 12.6 15.0 12.0 13.3			0.09/	750/	F 00/	2.50/	1.00/	⊏0/	
Abercrombie* 12.7 13.5 15.2 19.5 24.2 27.4 29.3 *Flood stages increased Sheyenne River Valley City 5.8 6.1 6.9 8.4 11.0 12.0 12.8 Lisbon 5.3 5.5 6.4 8.1 10.8 11.9 14.5 Kindred 6.7 6.9 7.9 9.9 12.9 15.8 18.8 West Fargo Diversion 10.7 10.8 10.9 11.6 13.0 15.4 18.7 Harwood 75.3 75.5 76.0 78.2 80.1 86.6 91.2 Maple River Enderlin 5.4 5.8 7.0 8.0 9.7 11.3 12.4 Mapleton 11.8 12.7 14.0 16.9 19.5 21.2 22.5 Goose River Hillsboro 3.4 3.6 4.2 5.3 7.5 10.3 12.6 Forest River Minto 3.2 3.3 3.8 4.3 5.1 6.5 7.5 Pembina River Walhalla 6.0 6.2 7.0 7.8 9.6 12.0 13.3	NORTH DAKOTA TRIBUTARIES	95%	90%	/5%	50%	25%	10%	5/6	
Sheyenne River Valley City 5.8 6.1 6.9 8.4 11.0 12.0 12.8 Lisbon 5.3 5.5 6.4 8.1 10.8 11.9 14.5 Kindred 6.7 6.9 7.9 9.9 12.9 15.8 18.8 West Fargo Diversion 10.7 10.8 10.9 11.6 13.0 15.4 18.7 Harwood 75.3 75.5 76.0 78.2 80.1 86.6 91.2 Maple River Enderlin 5.4 5.8 7.0 8.0 9.7 11.3 12.4 Mapleton 11.8 12.7 14.0 16.9 19.5 21.2 22.5 Goose River Hillsboro 3.4 3.6 4.2 5.3 7.5 10.3 12.6 Forest River Minto 3.2 3.3 3.8 4.3 5.1 6.5 7.5 Pembina River Walhalla 6.0 6.2 7.0 7.8 9.6 12.0 13.3	Wild Rice River								
Valley City 5.8 6.1 6.9 8.4 11.0 12.0 12.8 Lisbon 5.3 5.5 6.4 8.1 10.8 11.9 14.5 Kindred 6.7 6.9 7.9 9.9 12.9 15.8 18.8 West Fargo Diversion 10.7 10.8 10.9 11.6 13.0 15.4 18.7 Harwood 75.3 75.5 76.0 78.2 80.1 86.6 91.2 Maple River 5.4 5.8 7.0 8.0 9.7 11.3 12.4 Mapleton 11.8 12.7 14.0 16.9 19.5 21.2 22.5 Goose River Hillsboro 3.4 3.6 4.2 5.3 7.5 10.3 12.6 Forest River Minto 3.2 3.3 3.8 4.3 5.1 6.5 7.5 Pembina River Walhalla 6.0 6.2 7.0 7.8 9.6 12.0 13.3	Abercrombie*	12.7	13.5	15.2	19.5	24.2	27.4	29.3	* Flood stages increased
Lisbon 5.3 5.5 6.4 8.1 10.8 11.9 14.5 Kindred 6.7 6.9 7.9 9.9 12.9 15.8 18.8 West Fargo Diversion 10.7 10.8 10.9 11.6 13.0 15.4 18.7 Harwood 75.3 75.5 76.0 78.2 80.1 86.6 91.2 Maple River Enderlin 5.4 5.8 7.0 8.0 9.7 11.3 12.4 Mapleton 11.8 12.7 14.0 16.9 19.5 21.2 22.5 Goose River Hillsboro 3.4 3.6 4.2 5.3 7.5 10.3 12.6 Forest River Minto 3.2 3.3 3.8 4.3 5.1 6.5 7.5 Pembina River Walhalla 6.0 6.2 7.0 7.8 9.6 12.0 13.3	Sheyenne River								
Kindred 6.7 6.9 7.9 9.9 12.9 15.8 18.8 West Fargo Diversion 10.7 10.8 10.9 11.6 13.0 15.4 18.7 Harwood 75.3 75.5 76.0 78.2 80.1 86.6 91.2 Maple River 5.4 5.8 7.0 8.0 9.7 11.3 12.4 Mapleton 11.8 12.7 14.0 16.9 19.5 21.2 22.5 Goose River Hillsboro 3.4 3.6 4.2 5.3 7.5 10.3 12.6 Forest River Minto 3.2 3.3 3.8 4.3 5.1 6.5 7.5 Pembina River Walhalla 6.0 6.2 7.0 7.8 9.6 12.0 13.3									
West Fargo Diversion 10.7 10.8 10.9 11.6 13.0 15.4 18.7 Harwood 75.3 75.5 76.0 78.2 80.1 86.6 91.2 Maple River 5.4 5.8 7.0 8.0 9.7 11.3 12.4 Mapleton 11.8 12.7 14.0 16.9 19.5 21.2 22.5 Goose River Hillsboro 3.4 3.6 4.2 5.3 7.5 10.3 12.6 Forest River Minto 3.2 3.3 3.8 4.3 5.1 6.5 7.5 Pembina River Walhalla 6.0 6.2 7.0 7.8 9.6 12.0 13.3									
Harwood 75.3 75.5 76.0 78.2 80.1 86.6 91.2 Maple River 5.4 5.8 7.0 8.0 9.7 11.3 12.4 Mapleton 11.8 12.7 14.0 16.9 19.5 21.2 22.5 Goose River Hillsboro 3.4 3.6 4.2 5.3 7.5 10.3 12.6 Forest River Minto 3.2 3.3 3.8 4.3 5.1 6.5 7.5 Pembina River Walhalla 6.0 6.2 7.0 7.8 9.6 12.0 13.3									
Maple River Enderlin 5.4 5.8 7.0 8.0 9.7 11.3 12.4 Mapleton 11.8 12.7 14.0 16.9 19.5 21.2 22.5 Goose River Hillsboro 3.4 3.6 4.2 5.3 7.5 10.3 12.6 Forest River Minto 3.2 3.3 3.8 4.3 5.1 6.5 7.5 Pembina River Walhalla 6.0 6.2 7.0 7.8 9.6 12.0 13.3	<u> </u>								
Enderlin 5.4 5.8 7.0 8.0 9.7 11.3 12.4 Mapleton 11.8 12.7 14.0 16.9 19.5 21.2 22.5 Goose River Hillsboro 3.4 3.6 4.2 5.3 7.5 10.3 12.6 Forest River Minto 3.2 3.3 3.8 4.3 5.1 6.5 7.5 Pembina River Walhalla 6.0 6.2 7.0 7.8 9.6 12.0 13.3		75.3	75.5	76.0	78.2	80.1	86.6	91.2	
Mapleton 11.8 12.7 14.0 16.9 19.5 21.2 22.5 Goose River 3.4 3.6 4.2 5.3 7.5 10.3 12.6 Forest River Minto 3.2 3.3 3.8 4.3 5.1 6.5 7.5 Pembina River Walhalla 6.0 6.2 7.0 7.8 9.6 12.0 13.3	·	F 4	F 0	7.0	0.0	0 7	44.0	12.4	
Goose River Hillsboro 3.4 3.6 4.2 5.3 7.5 10.3 12.6 Forest River Minto 3.2 3.3 3.8 4.3 5.1 6.5 7.5 Pembina River Walhalla 6.0 6.2 7.0 7.8 9.6 12.0 13.3									
Hillsboro 3.4 3.6 4.2 5.3 7.5 10.3 12.6 Forest River Minto 3.2 3.3 3.8 4.3 5.1 6.5 7.5 Pembina River Walhalla 6.0 6.2 7.0 7.8 9.6 12.0 13.3		11.8	12./	14.0	16.9	19.5	21.2	22.5	
Forest River Minto 3.2 3.3 3.8 4.3 5.1 6.5 7.5 Pembina River Walhalla 6.0 6.2 7.0 7.8 9.6 12.0 13.3		∂ /	2 6	4.2	E 2	7 5	10 2	12 6	
Minto 3.2 3.3 3.8 4.3 5.1 6.5 7.5 Pembina River Walhalla 6.0 6.2 7.0 7.8 9.6 12.0 13.3		5.4	3.0	4.2	5.5	/.5	10.3	12.6	
Pembina River Walhalla 6.0 6.2 7.0 7.8 9.6 12.0 13.3		2 2	2 2	3 2	/1 2	5 1	6.5	7 5	
Walhalla 6.0 6.2 7.0 7.8 9.6 12.0 13.3		J. Z	ر ، ر	5.0	7.5	J. I	0.5	1.5	
		6.0	6.2	7.0	7.8	9.6	12.0	13.3	

es for all s do not account e to ice, g, etc. ges than ay occur.

<u>nd</u>: od Stage rate Record*

ed by 10.0 ft October 2023