10%

5%

2%

1%

99% 98%

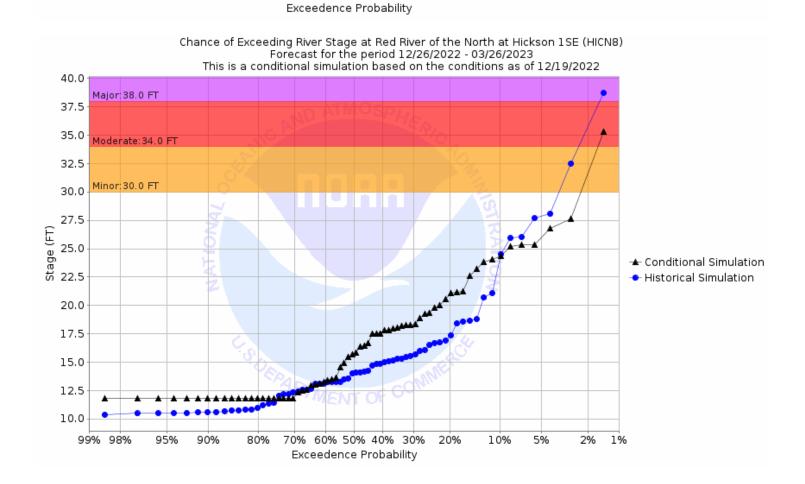
95%

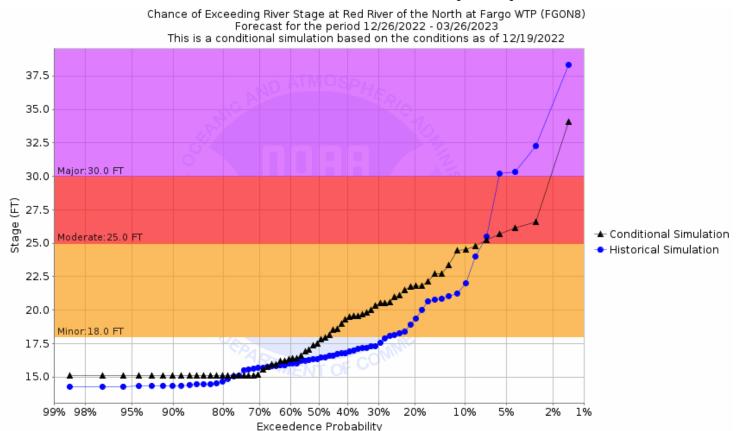
90%

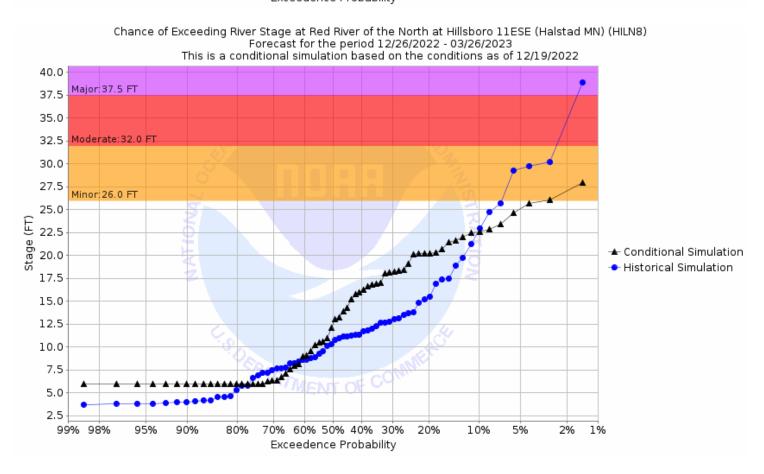
## Red River North Mainstem

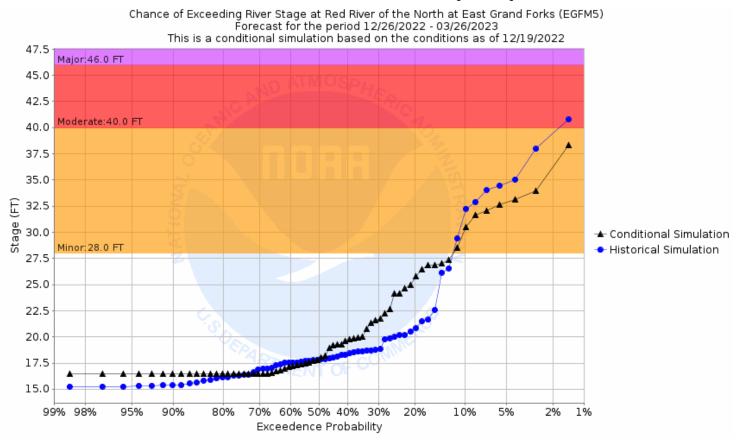
Chance of Exceeding River Stage at Red River of the North at Wahpeton (WHNN8)
Forecast for the period 12/26/2022 - 03/26/2023 This is a conditional simulation based on the conditions as of 12/19/2022 19 18 17 16 Major:15.0 FT 15 14 Moderate:13.0 FT 13 Stage (FT) Minor:11.0 FT **★** Conditional Simulation Historical Simulation 10 9 8 7 6 5 4

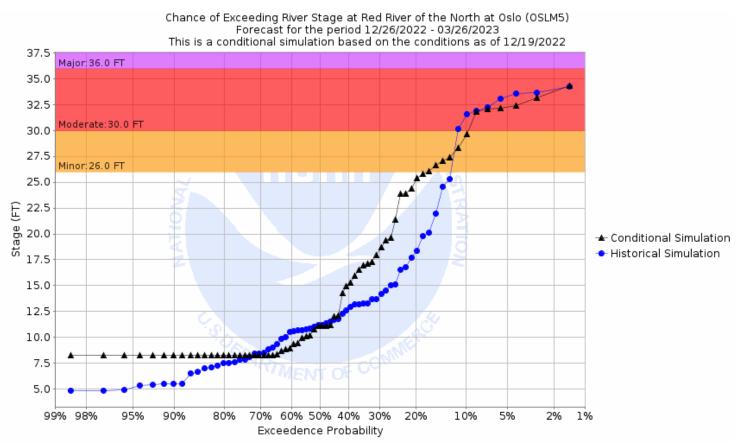
60% 50% 40% 30%

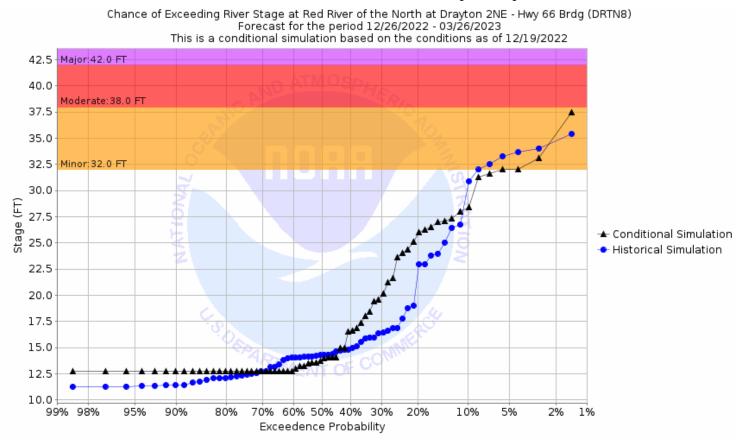


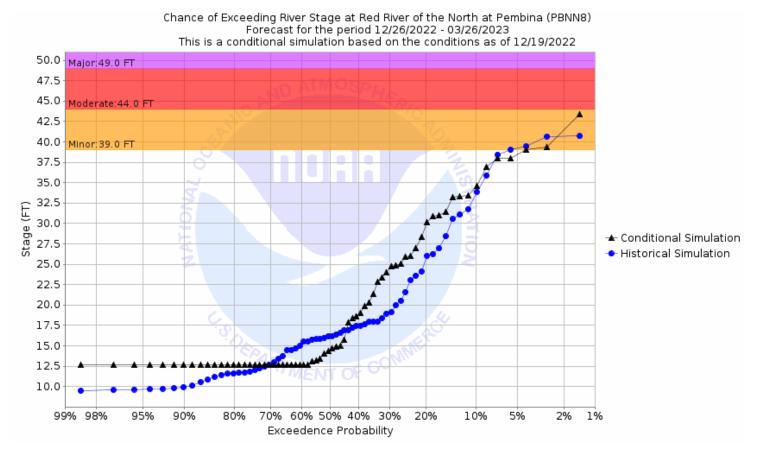












## Minnesota Tributaries

99%

98%

Chance of Exceeding River Stage at South Branch Buffalo River at Sabin 1E (SABM5) Forecast for the period 12/26/2022 - 03/26/2023 This is a conditional simulation based on the conditions as of 12/19/2022 22 21 20 Major: 19.0 FT 19 18 17 16 Moderate:15.0 FT 15 Stage (FT) Minor:13.0 FT ★ Conditional Simulation Historical Simulation 11 10 9 8 7 6 5 4

20%

10%

5%

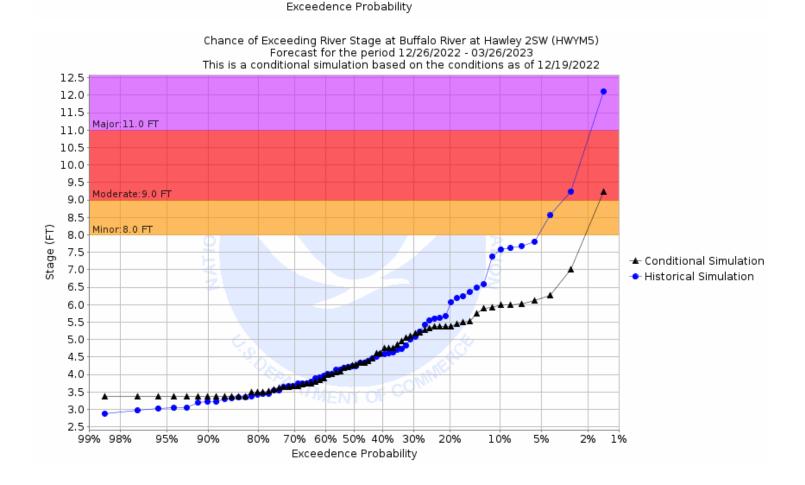
2%

1%

80%

90%

70% 60% 50% 40% 30%



99%

98%

95%

90%

80%

Chance of Exceeding River Stage at Buffalo River at Dilworth 7NE (DILM5)
Forecast for the period 12/26/2022 - 03/26/2023
This is a conditional simulation based on the conditions as of 12/19/2022 27.5 Major 26.0 FT 25.0 22.5 Moderate: 20.0 FT 20.0 17.5 Stage (FT) ★ Conditional Simulation Minor:13.0 FT Historical Simulation 12.5 10.0 7.5 5.0 2.5

20%

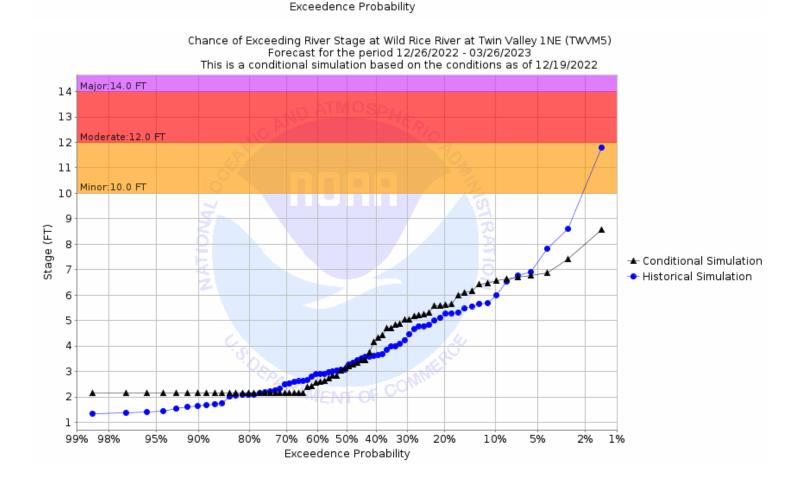
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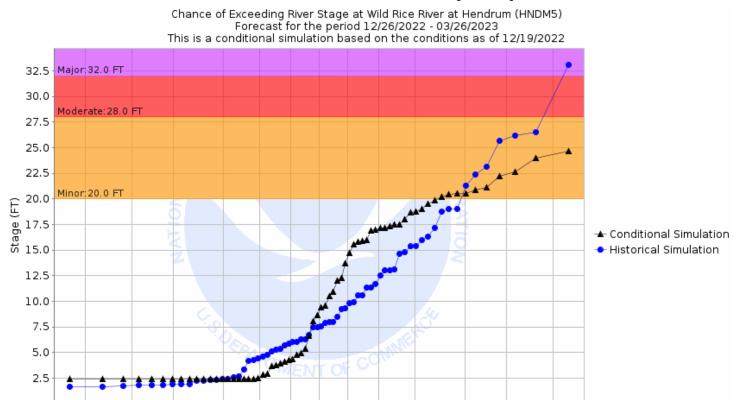
70% 60% 50% 40% 30%



99% 98%

95%

90%



20%

10%

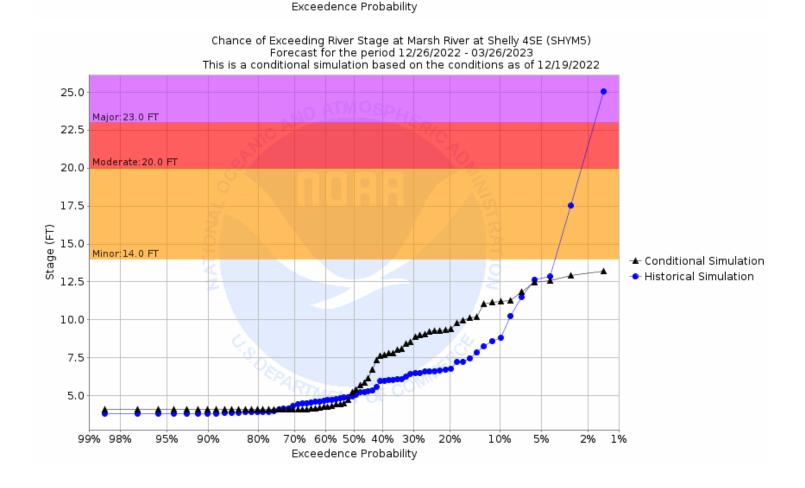
5%

2%

1%

70% 60% 50% 40% 30%

80%



2.5

99%

98%

95%

90%

80%

Chance of Exceeding River Stage at Sand Hill River at Climax (CLXM5)
Forecast for the period 12/26/2022 - 03/26/2023
This is a conditional simulation based on the conditions as of 12/19/2022 Major:30.0 FT 30.0 27.5 Moderate: 25.0 FT 25.0 22.5 Minor 20.0 FT 20.0 Stage (FT) 17.5 15.0 ★ Conditional Simulation Historical Simulation 12.5 10.0 7.5 5.0

20%

10%

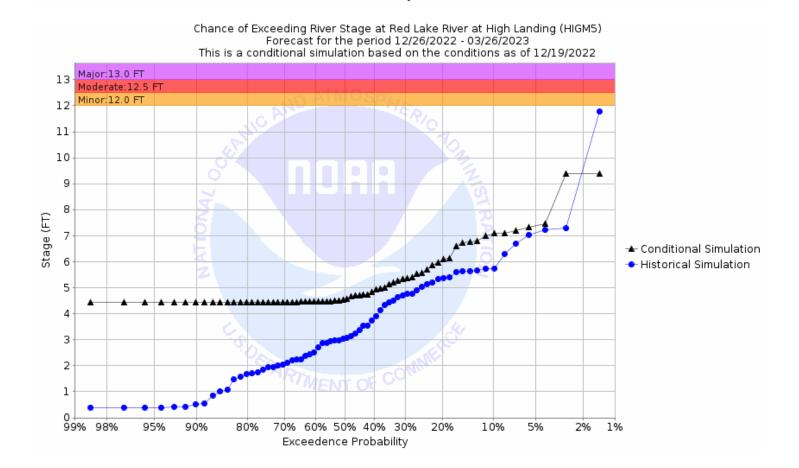
5%

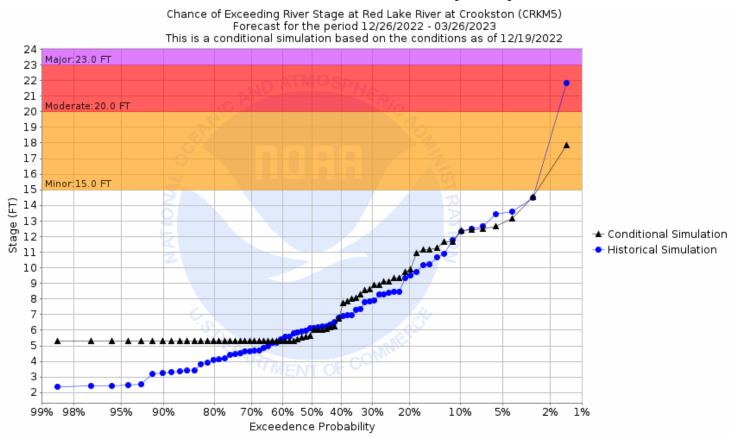
2%

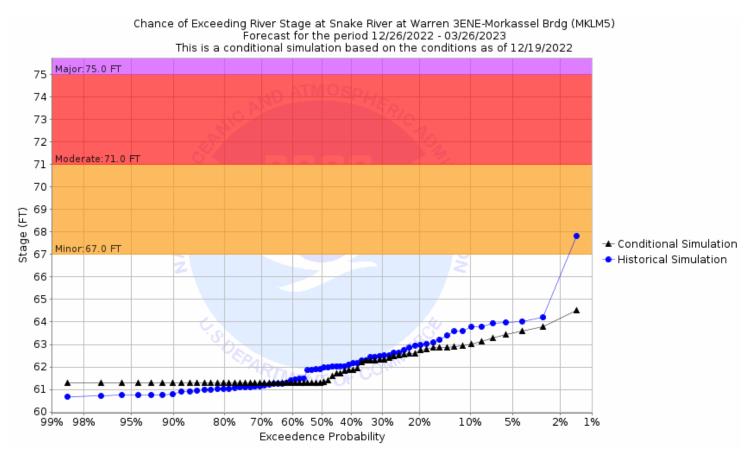
1%

70% 60% 50% 40% 30%

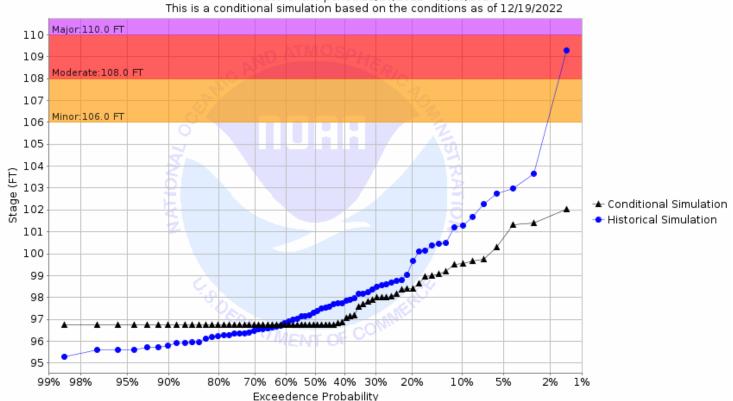
Exceedence Probability

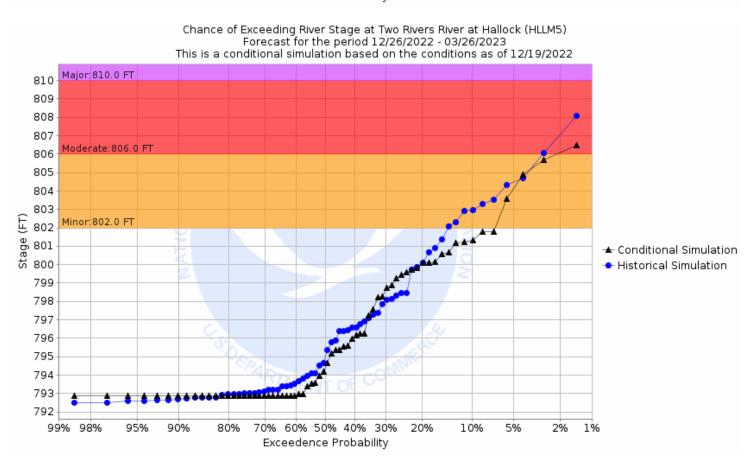


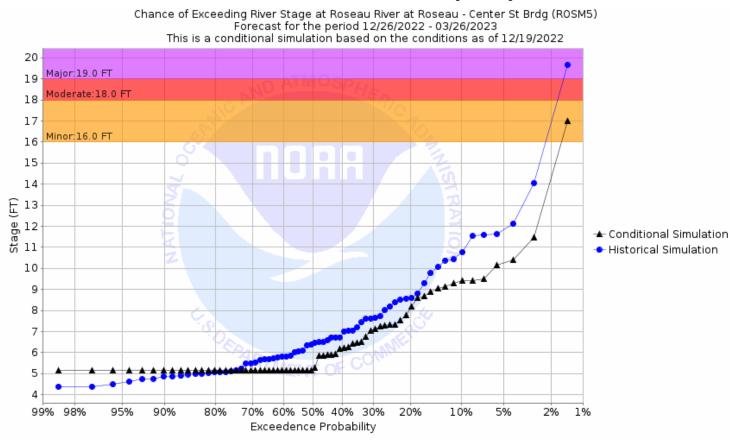




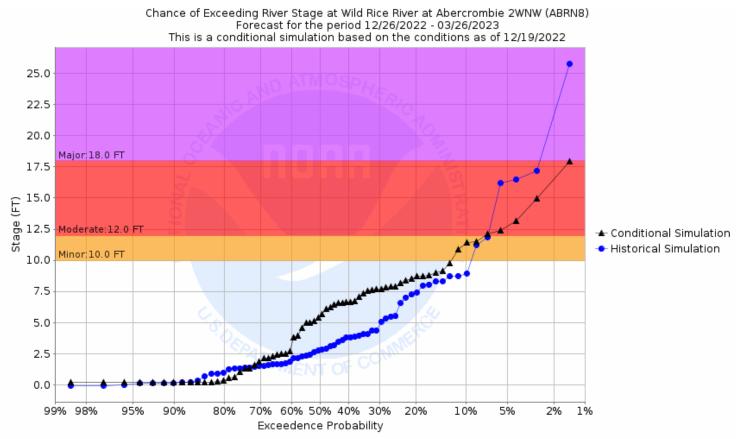
Chance of Exceeding River Stage at Snake River at Alvarado (ALVM5)
Forecast for the period 12/26/2022 - 03/26/2023
This is a conditional simulation based on the conditions as of 12/19/203



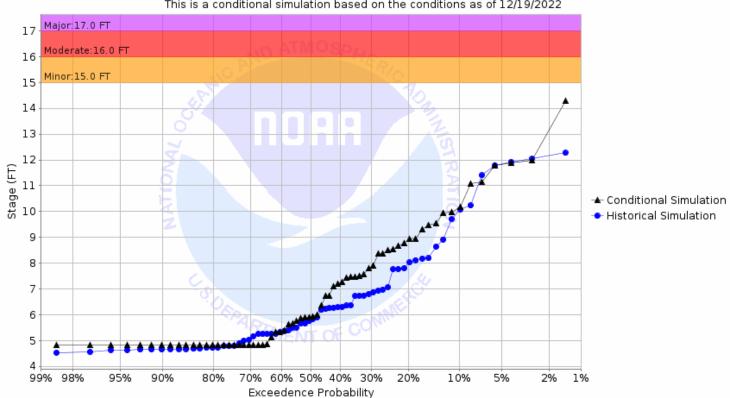


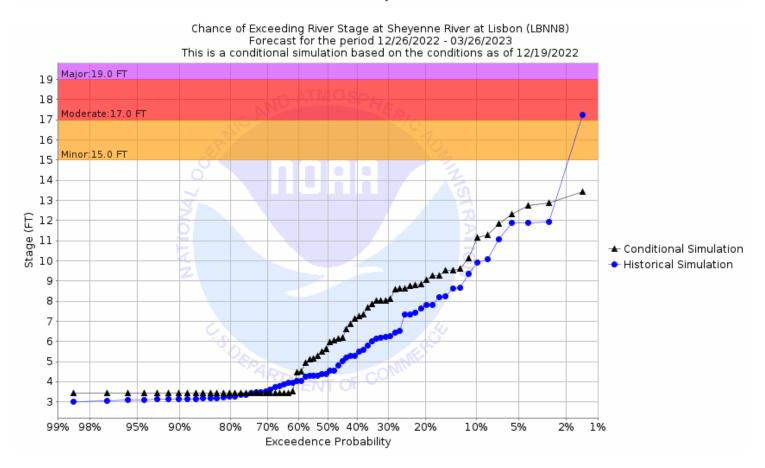


## North Dakota Tributaries



Chance of Exceeding River Stage at Sheyenne River at Valley City (VCRN8)
Forecast for the period 12/26/2022 - 03/26/2023
This is a conditional simulation based on the conditions as of 12/19/2022





21

20

19 18 17

16 15 14

Stage (FT)

99%

98%

RRB Chance of Exceeding River Stage

Chance of Exceeding River Stage at Sheyenne River at Kindred 2SE (KNDN8)
Forecast for the period 12/26/2022 - 03/26/2023
This is a conditional simulation based on the conditions as of 12/19/2022

Major: 20.5 FT

Moderate: 19.0 FT

Minor: 16.0 FT

Conditional Simulation
Historical Simulation

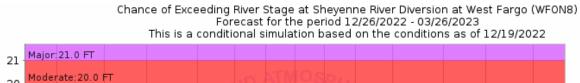
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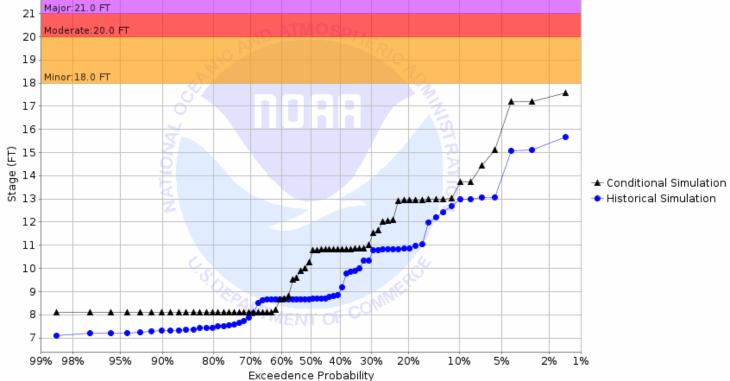
1%



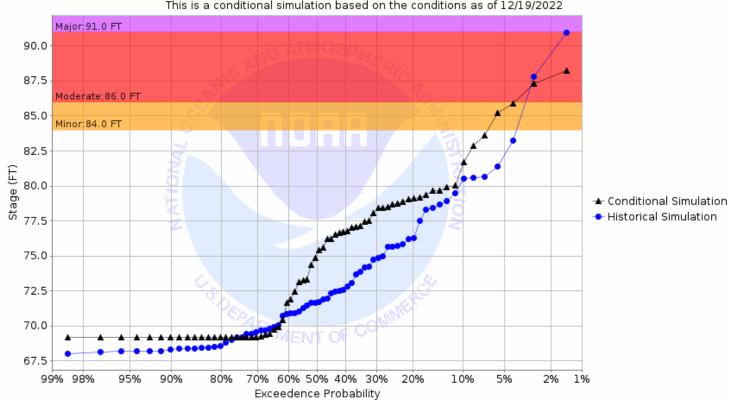
70% 60% 50% 40% 30%

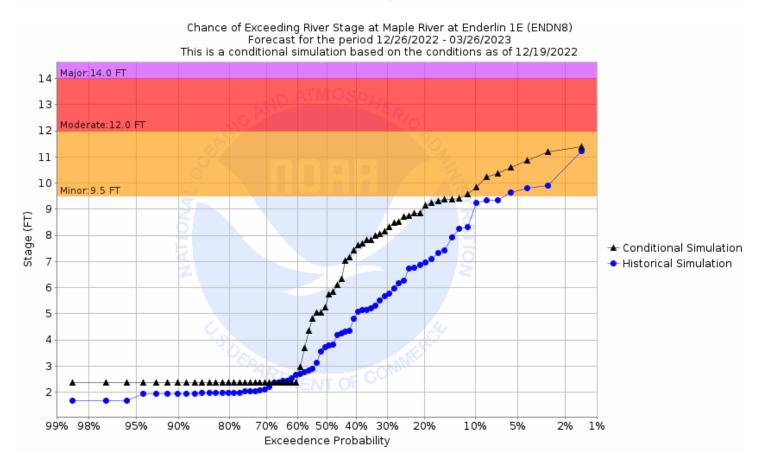
Exceedence Probability

80%

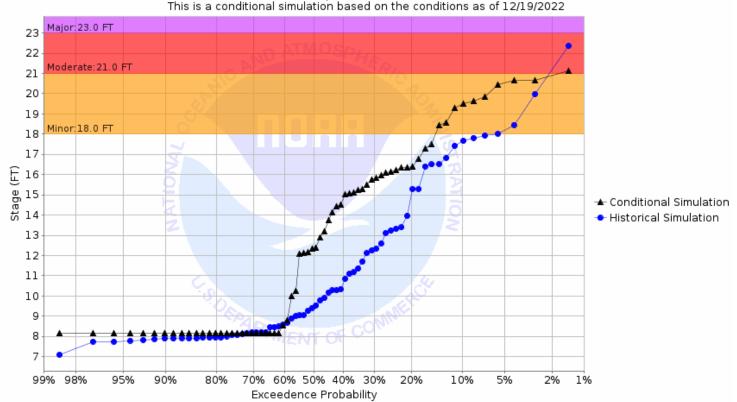


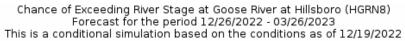
Chance of Exceeding River Stage at Sheyenne River at Harwood (HWDN8)
Forecast for the period 12/26/2022 - 03/26/2023
This is a conditional simulation based on the conditions as of 12/19/2022

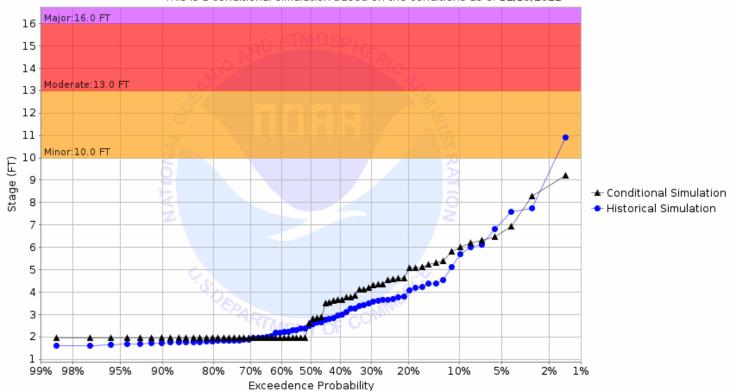




Chance of Exceeding River Stage at Maple River at Mapleton 3SW (MPLN8)
Forecast for the period 12/26/2022 - 03/26/2023
This is a conditional simulation based on the conditions as of 12/19/2022



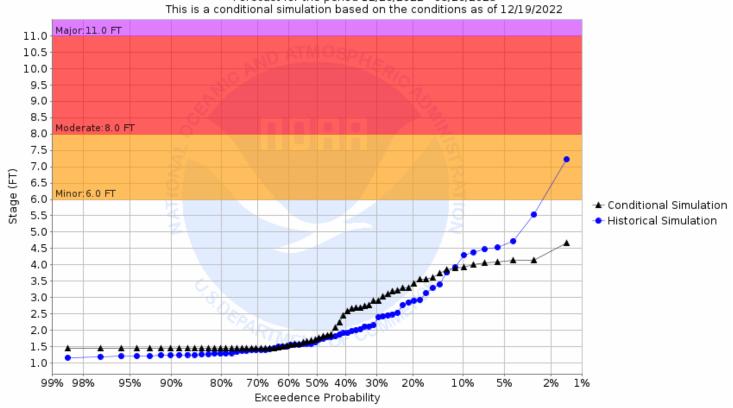


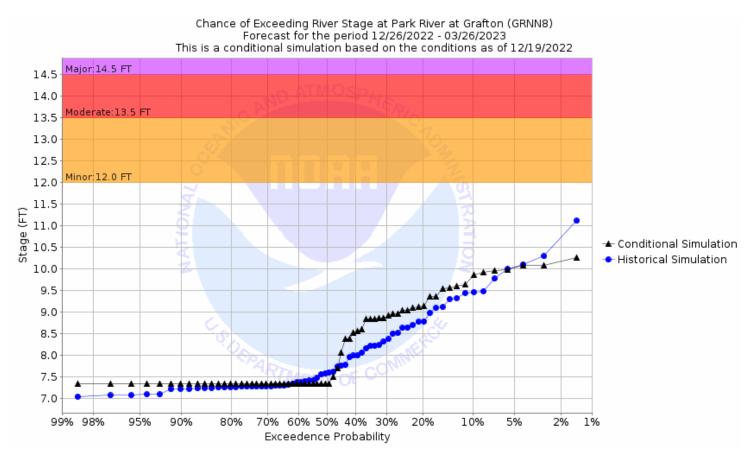


Chance of Exceeding River Stage at Forest River at Minto (MTON8)

Forecast for the period 12/26/2022 - 03/26/2023

This is a conditional simulation based on the conditions as of 12/19/20





Chance of Exceeding River Stage at Pembina River at Walhalla (WLHN8)
Forecast for the period 12/26/2022 - 03/26/2023
This is a conditional simulation based on the conditions as of 12/19/2022

