

2022 Red River Basin Flood Information



Robert L. Sip, Executive Director
Red River Watershed Management Board

2021 – 2022 Winter Conditions

Blizzard Statistics

Average: **2.6 blizzards per season**

Most blizzards in a season:

2021-2022: 11*

2013-2014: 10

1996-1997: 10

Seasons without a blizzard:

1986-1987, 1990-1991, 2011-2012

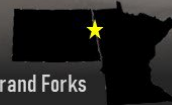
*2021-2022 still ongoing at the time of this graphic's creation



NWSGrandForks



National Weather Service | Grand Forks



- ▶ 11 blizzards in Red River Basin.
- ▶ 77.5 Inches of snow in Grand Forks, ND.

WHAT'S A BLIZZARD?



BLOWING SNOW

35+ MPH WINDS



≤ 1/4 MI VISIBILITY

FOR 3+ HOURS



WEATHER.GOV/WINTER



DID YOU KNOW THAT
FALLING SNOW

ISN'T NECESSARY
FOR A BLIZZARD?

A BLIZZARD THAT RESULTS FROM SNOW
THAT HAS PREVIOUSLY FALLEN
IS CALLED A GROUND BLIZZARD.

April Climate Statistics

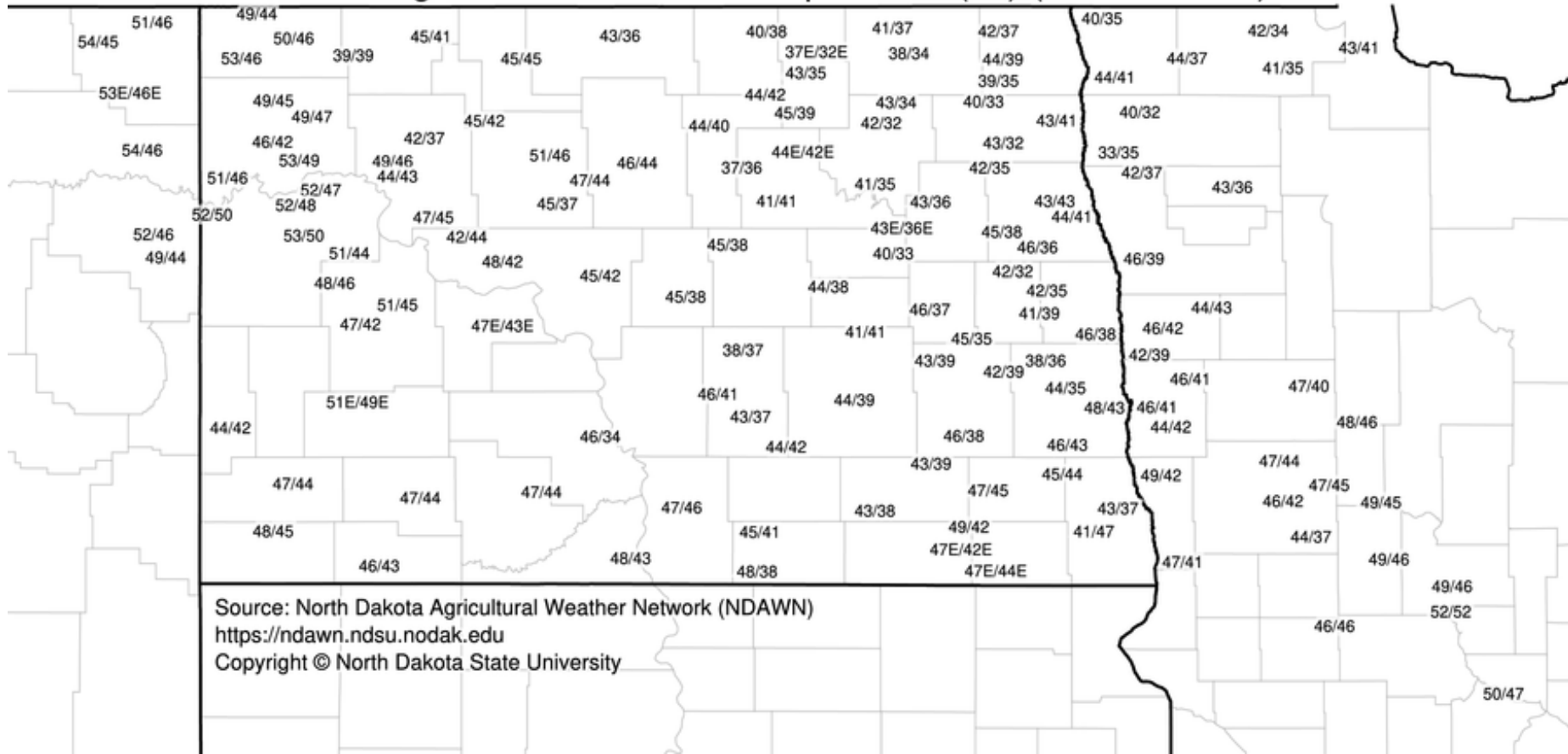


	NWS Grand Forks	Fargo	Baudette	Devils Lake	Park Rapids
Max Temperature	55° on 4/1 & 4/23	74° on 4/23	53° on 4/28	57° on 4/9	68° on 4/23
Minimum Temperature	11° on 4/17 & 4/19	13° on 4/15	17° on 4/15	7° on 4/19	10° on 4/1
Average Temperature	33.7° 9.3° below normal	34.9° 8.1° below normal	34.8° 4.2° below normal	31.6° 7.7° below normal	33.4° 1.51° below normal
Precipitation	6.49" 5.51" above normal	5.45" 3.91" above normal			
Snowfall	16.1" (record)	4.5"			

Grand Forks NWS/UND (records to 1893): Wettest April on record & Snowiest. Also 7th coldest
Fargo (records to 1881): 2nd Wettest April on record and tied for 8th coldest.



Average Bare / Turf Soil Temperature (°F) (2022-05-03)



Source: North Dakota Agricultural Weather Network (NDAWN)

<https://ndawn.ndsu.nodak.edu>

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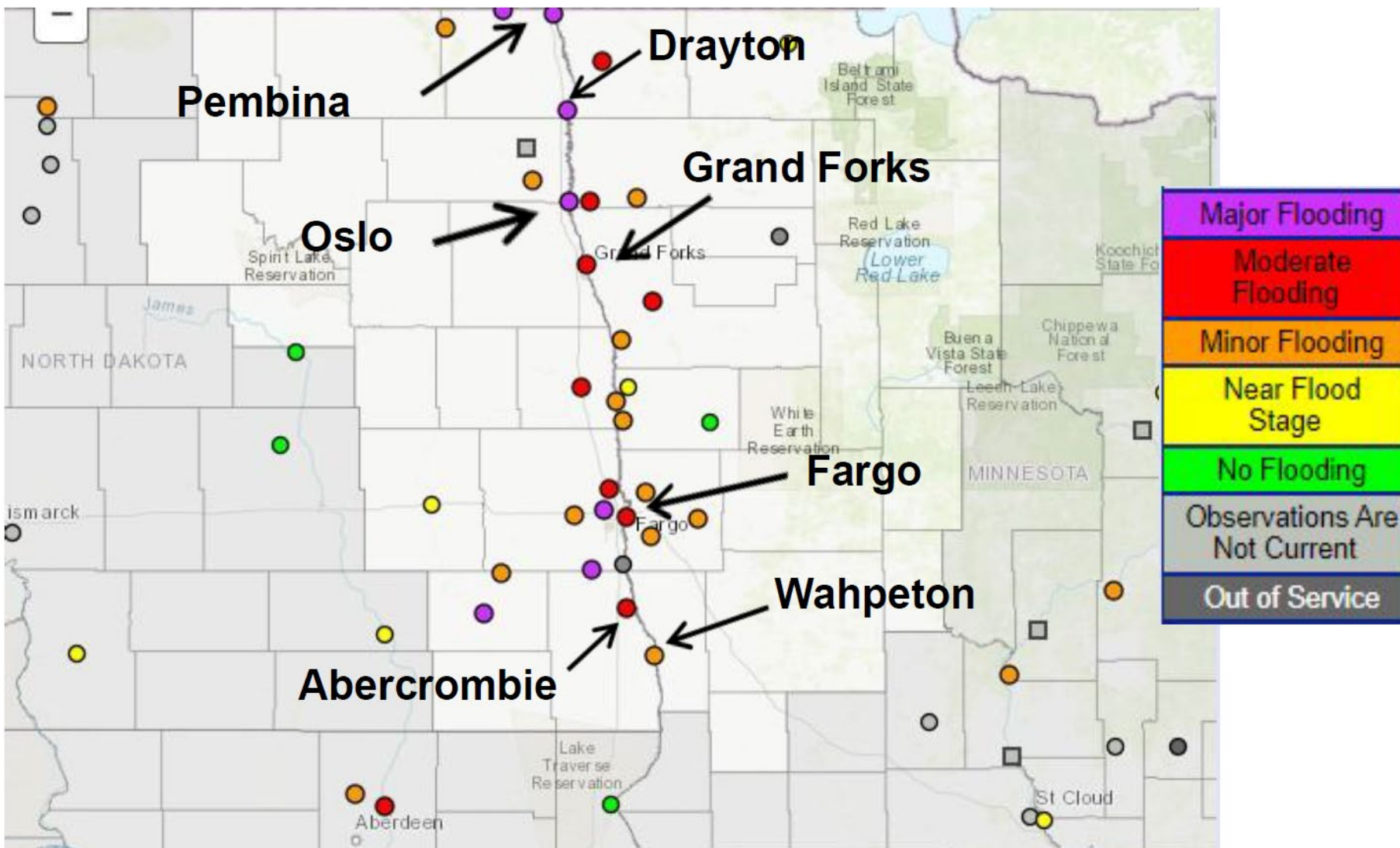
Ongoing Significant Flooding

5/3/2022

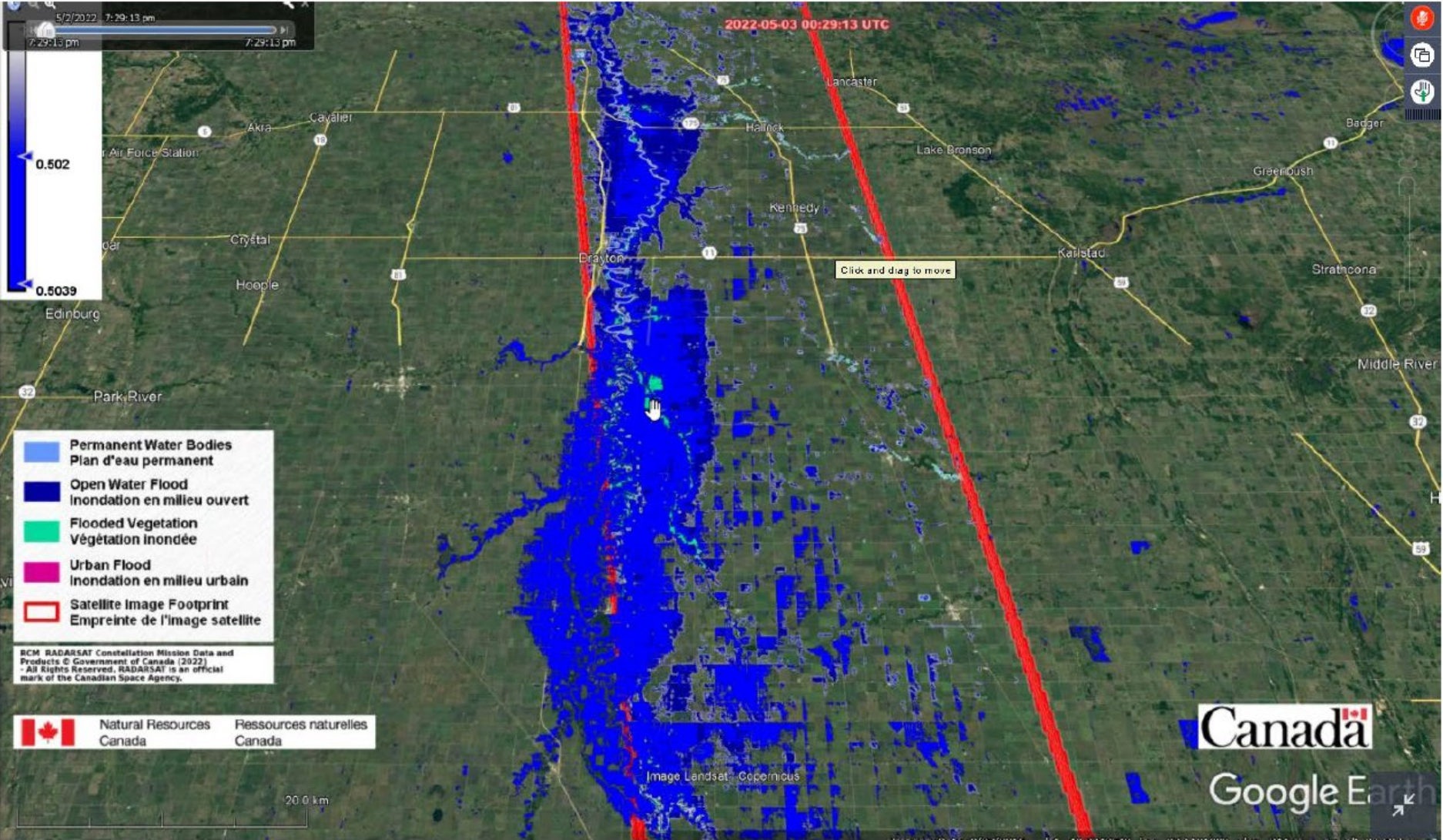
10:39 AM

Moderate to Major Flooding at Numerous Locations

River Forecasts



Satellite imagery of inundation areas along the Red River on May 4, 2022.



Satellite Image 5/4/22

Driving into Oslo, MN in National
Guard Vehicles on May 2, 2022.
Photograph courtesy of RRWMB.



Flooded farmland southeast of Oslo,
MN on May 2, 2022. Photograph
courtesy of RRWMB.





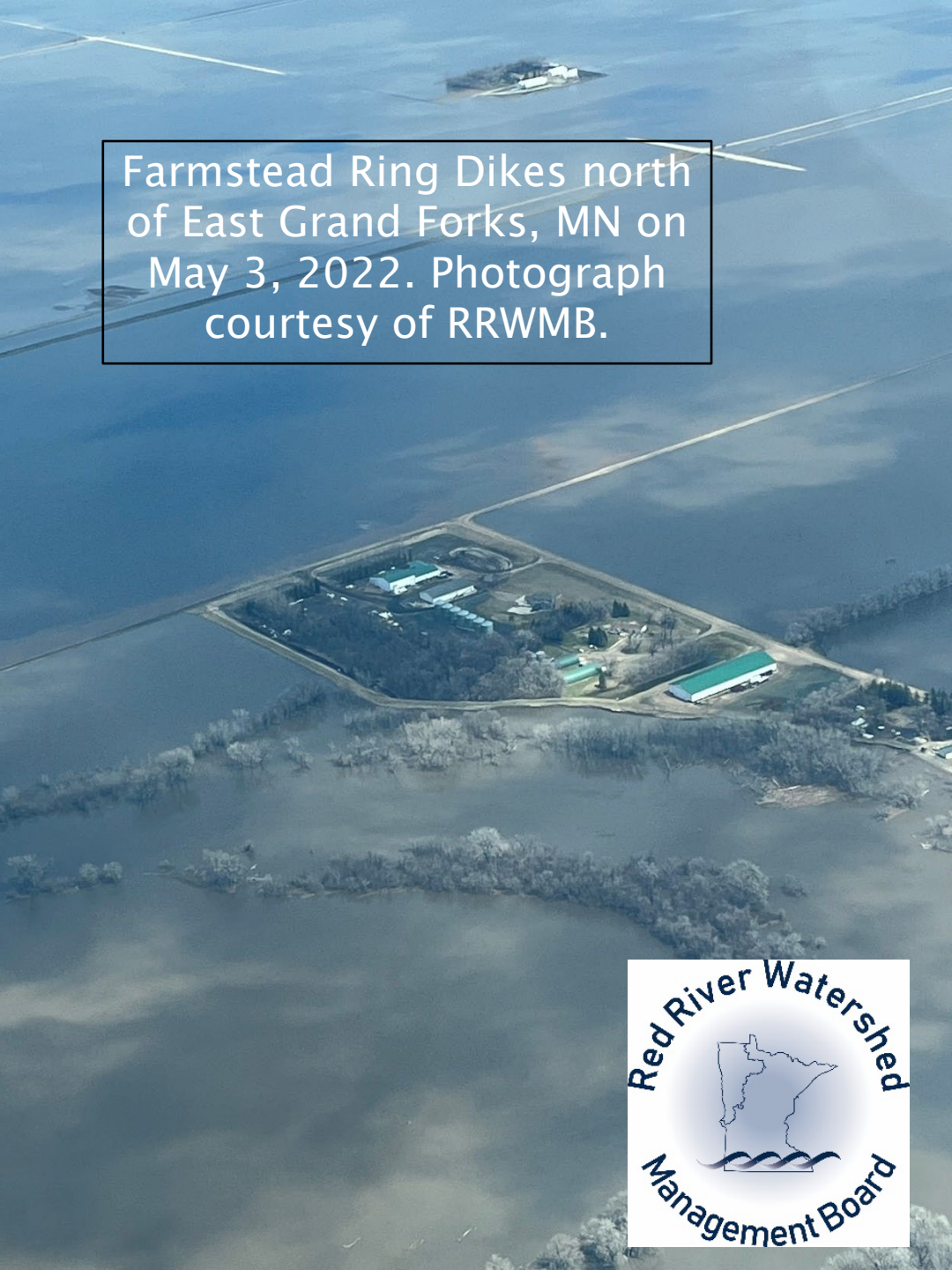
Wild Rice River southeast of
Ada, MN on May 3, 2022.
Photograph courtesy of
RRWMB.





Wild Rice River southeast of
Ada, MN on May 3, 2022.
Photograph courtesy of
RRWMB.





Farmstead Ring Dikes north of East Grand Forks, MN on May 3, 2022. Photograph courtesy of RRWMB.





Flooded areas along the Red River north of East Grand Forks, MN on May 3, 2022. Photograph courtesy of RRWMB.

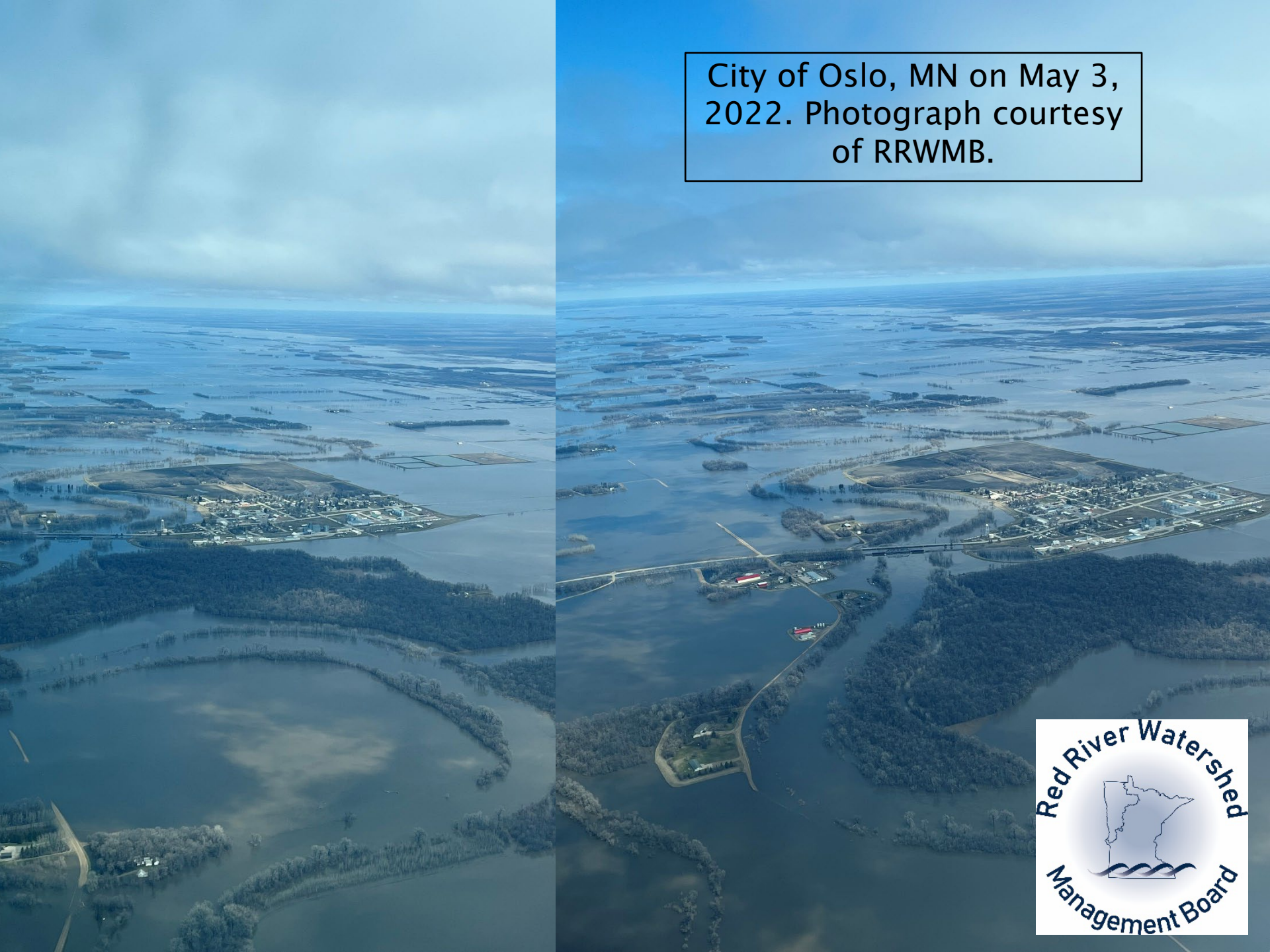




Flooded areas along the Red River north of East Grand Forks, MN on May 3, 2022. Photograph courtesy of RRWMB.



City of Oslo, MN on May 3,
2022. Photograph courtesy
of RRWMB.



Flooded areas along the
Red River north of Oslo, MN
on May 3, 2022.
Photograph courtesy of
RRWMB.

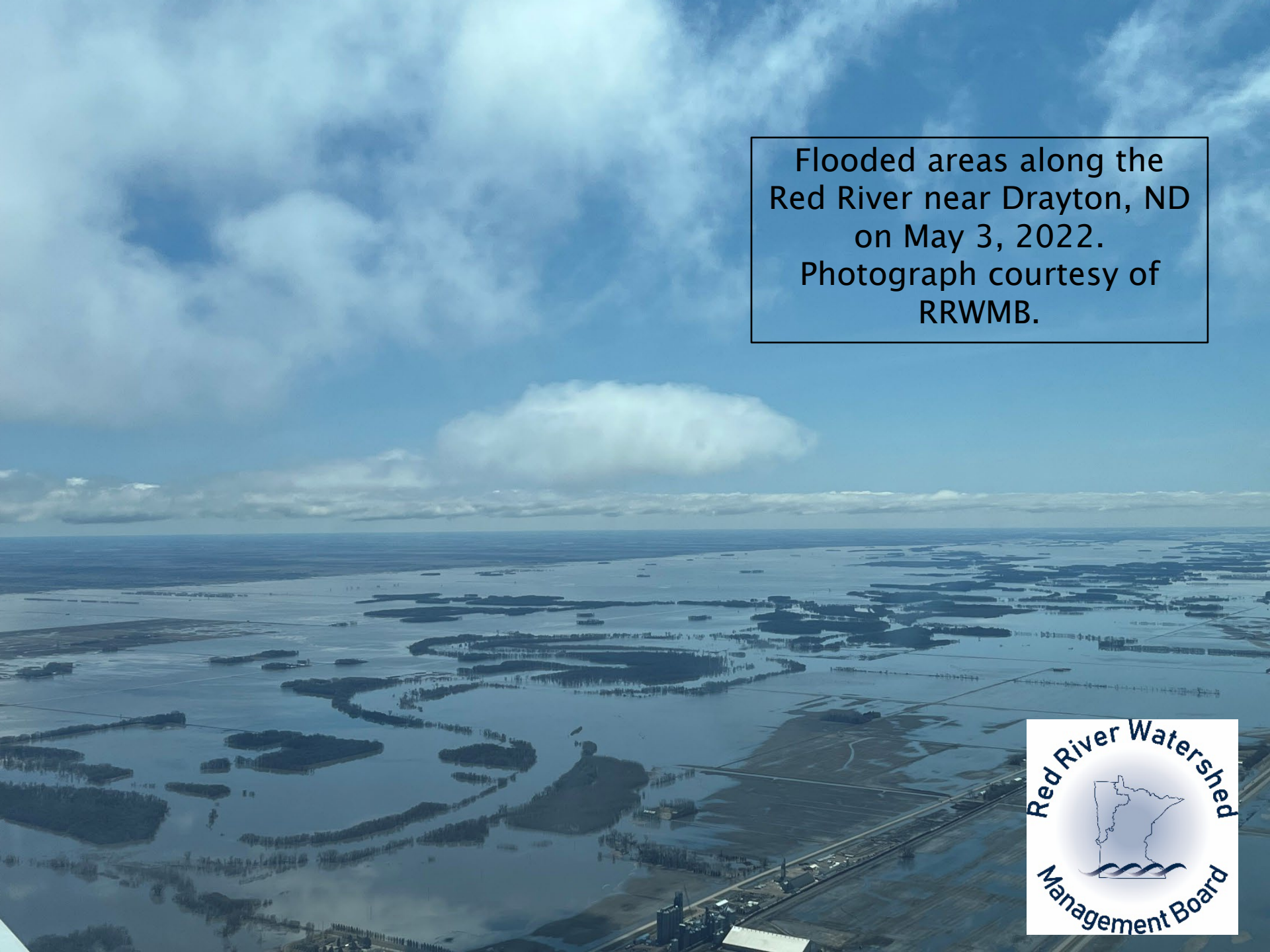




Flooded areas near
Drayton, ND on May 3,
2022. Photograph courtesy
of RRWMB.



Flooded areas along the
Red River near Drayton, ND
on May 3, 2022.
Photograph courtesy of
RRWMB.





Pembina, ND looking north into Canada on May 3, 2022. Photograph courtesy of RRWMB.





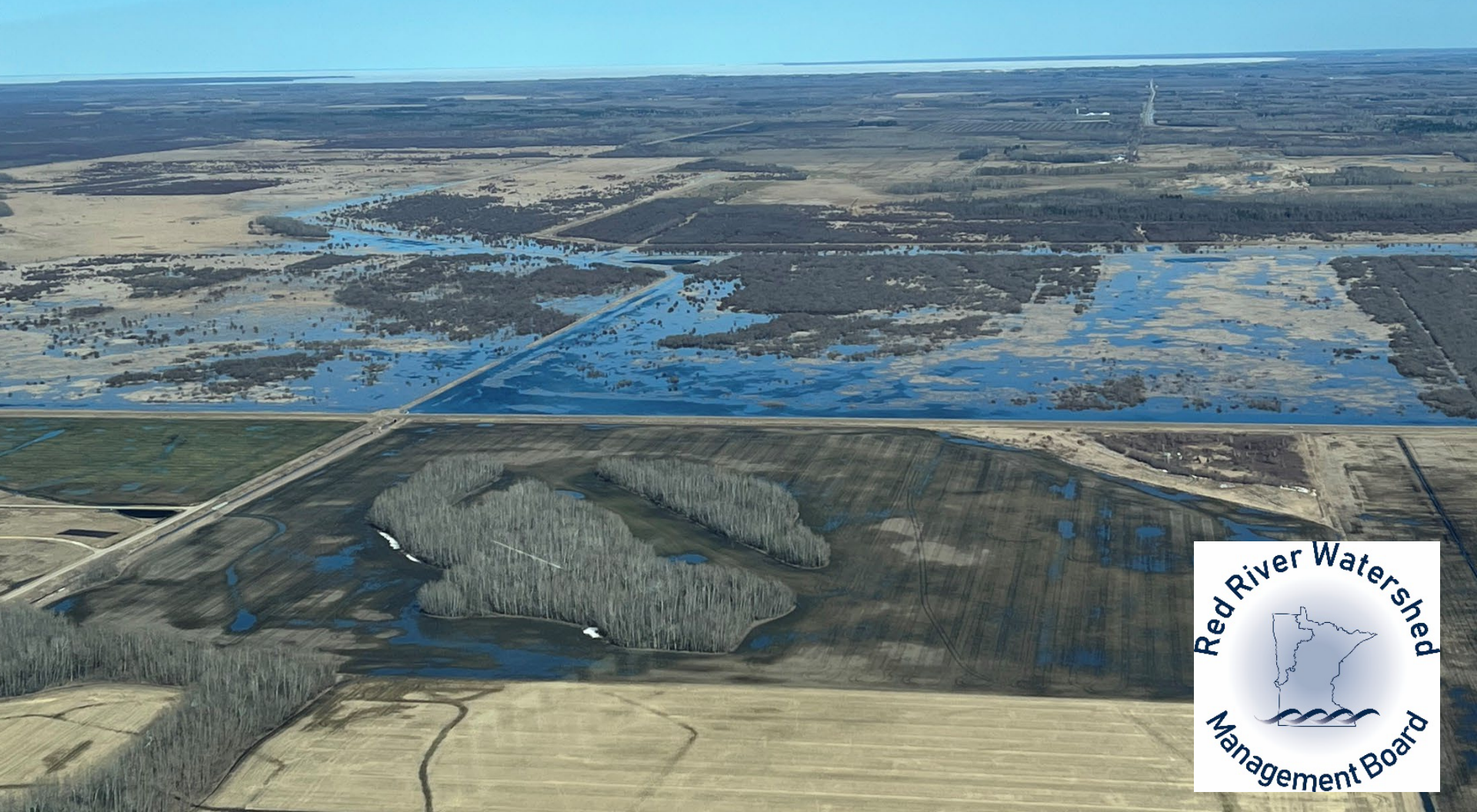
Looking south from
Pembina, ND on May 3,
2022. Photograph courtesy
of RRWMB.



Water on the landscape east of Humboldt, MN on May 3, 2022. Photograph courtesy of RRWMB.



Norland Flood Impoundment in the Roseau River Watershed District on May 3, 2022. Note the ice on Lake of the Woods in the background. Photograph courtesy of RRWMB.



Roseau Lake Bottom in the Roseau River Watershed District on May 3, 2022. Photograph courtesy of RRWMB.



Upper and Lower Red Lakes in the background,
with full ice yet on May 3, 2022. Photograph
courtesy of RRWMB.





Agassiz National
Wildlife Refuge and
Thief Lake on May 3,
2022. The white color
is still partial ice
conditions. Photograph
courtesy of RRWMB.





Black River Flood
Impoundment in the
Red Lake Watershed
District on May 3, 2022.
Photograph courtesy of
RRWMB.





Schirrick Dam in the Red Lake Watershed District on May 3, 2022. Note the water flow at the outlet. Photograph courtesy of RRWMB.



Several flood Impoundments north of Crookston, MN on May 3, 2022. Photograph courtesy of RRWMB.



Parnell Flood Impoundment in the Red Lake Watershed District on May 3, 2022. Photograph courtesy of RRWMB.



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