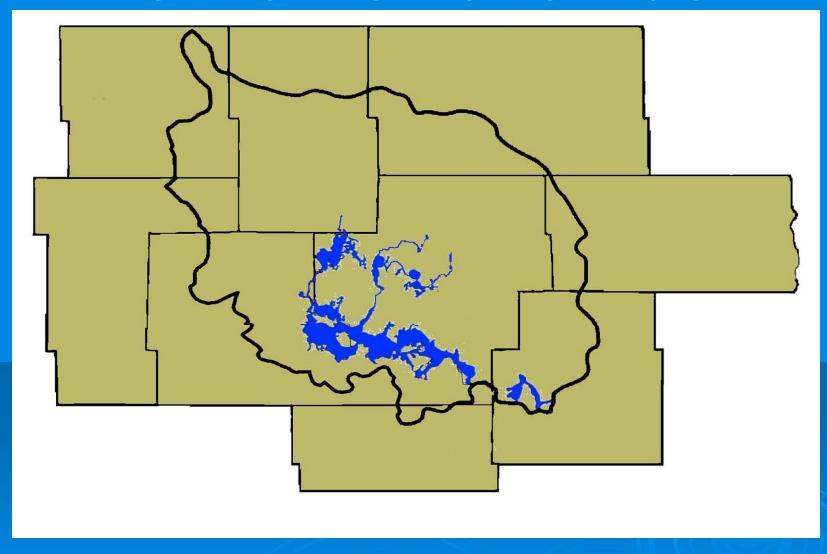
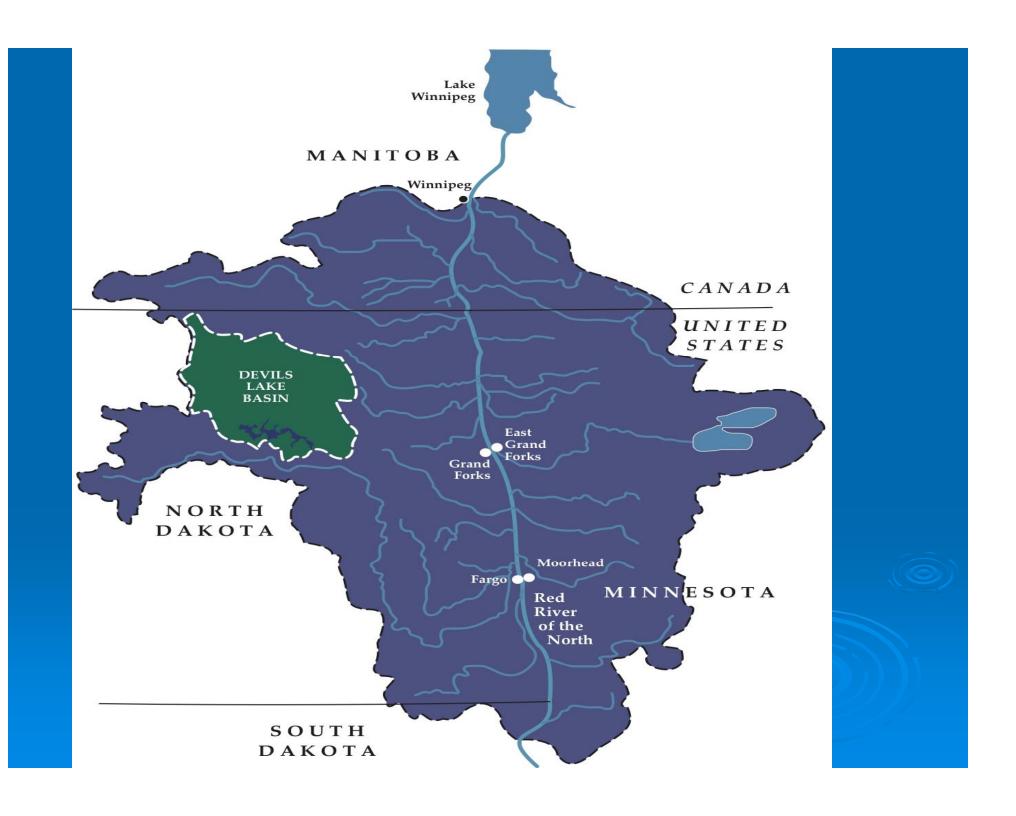
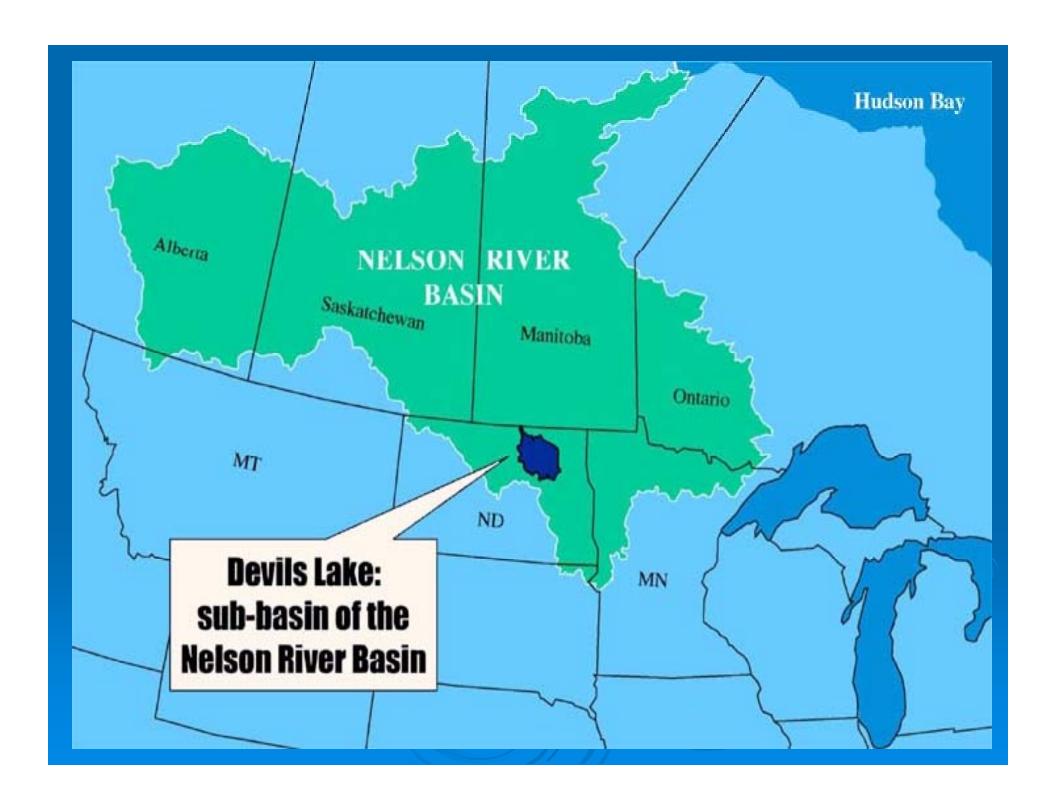
The Devils Lake Basin

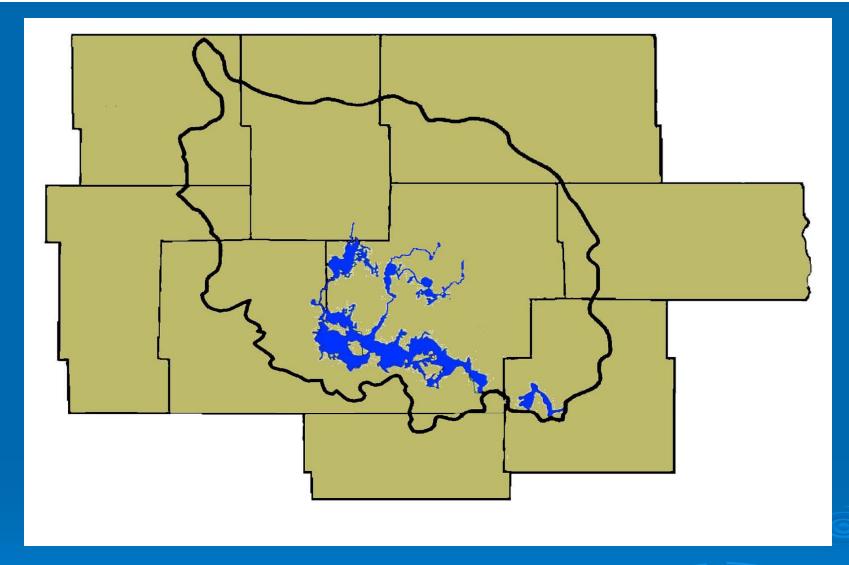






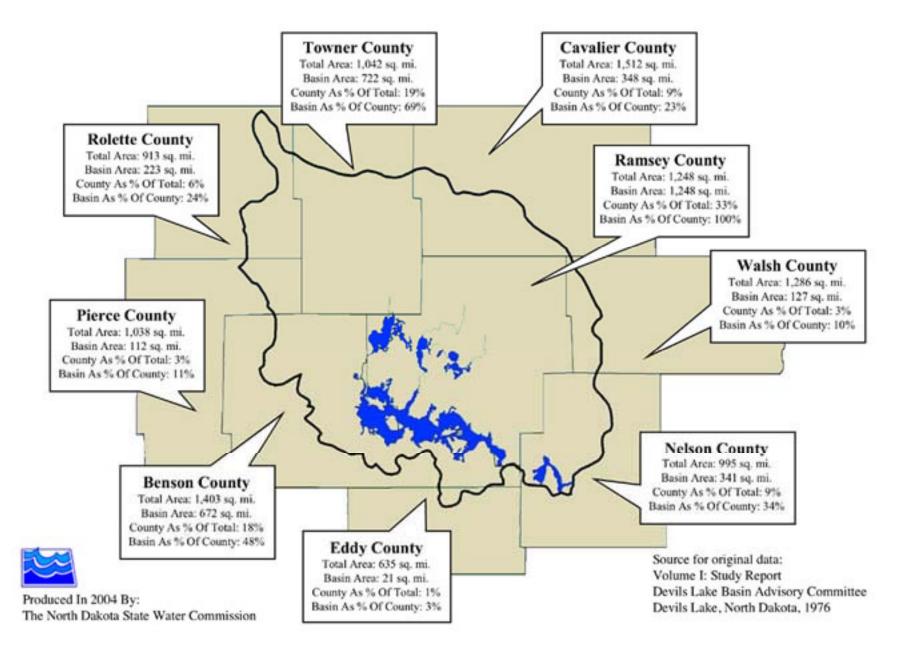


➤ Sub-Basin of the Red River Basin & part of the Hudson Bay Water Shed.

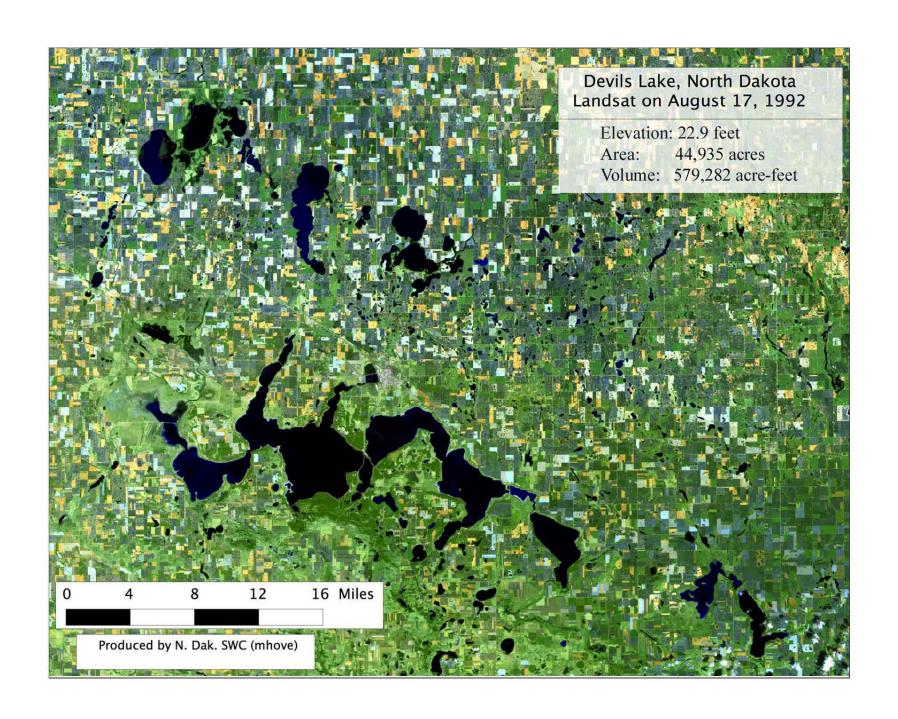


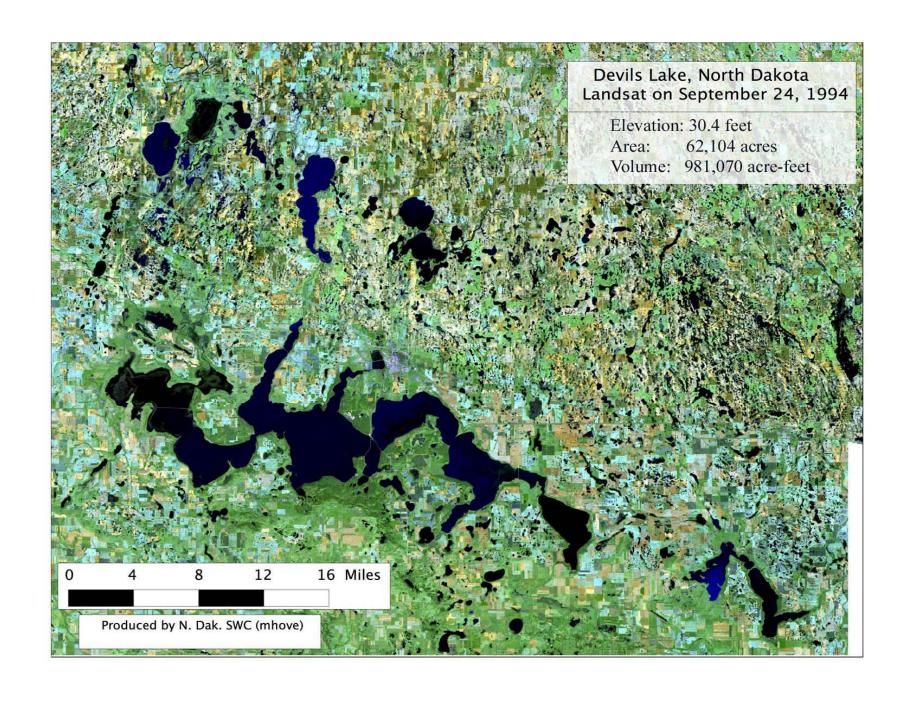
Devils Lake Basin encompasses 3810 Square Miles or
2.5 Million Acres in Northeastern North Dakota.

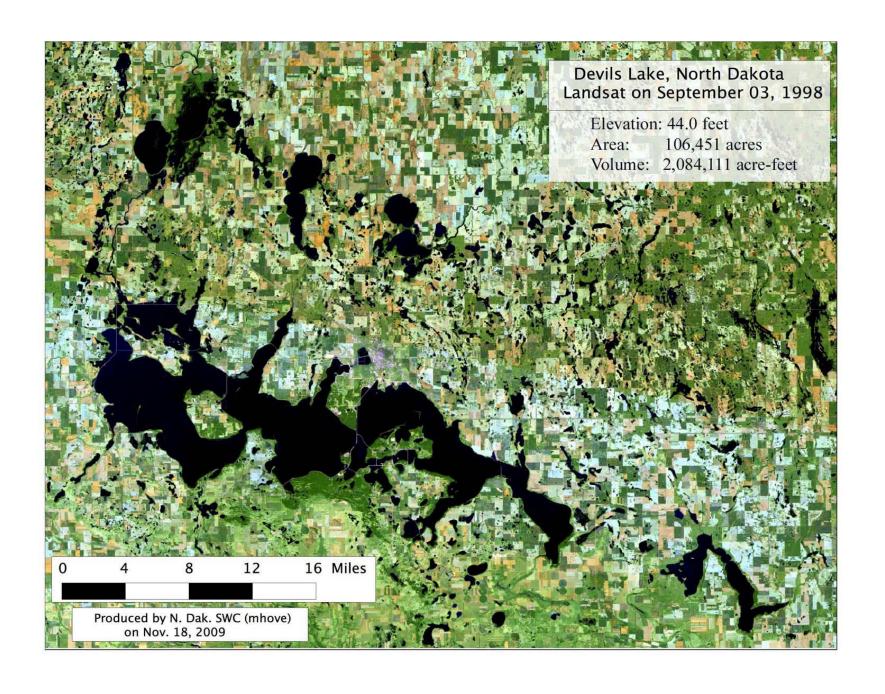
Devils Lake Basin Data

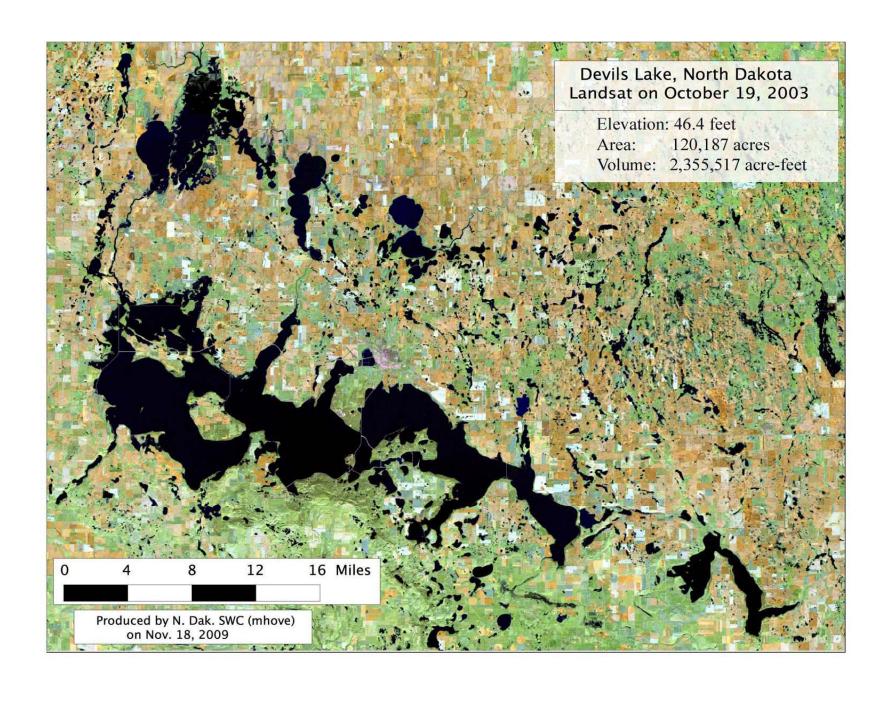


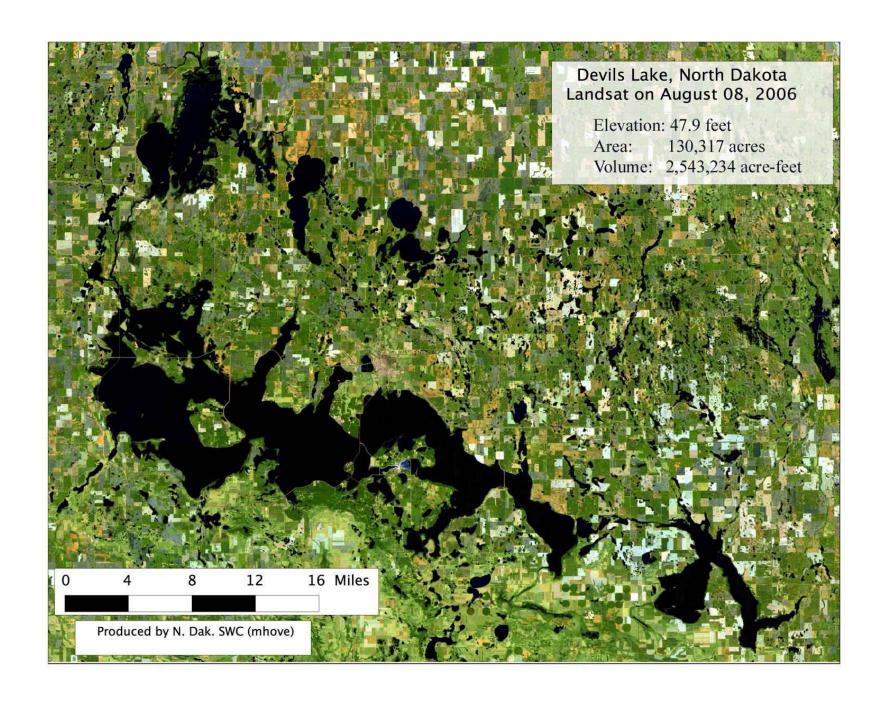
What Has Happened?

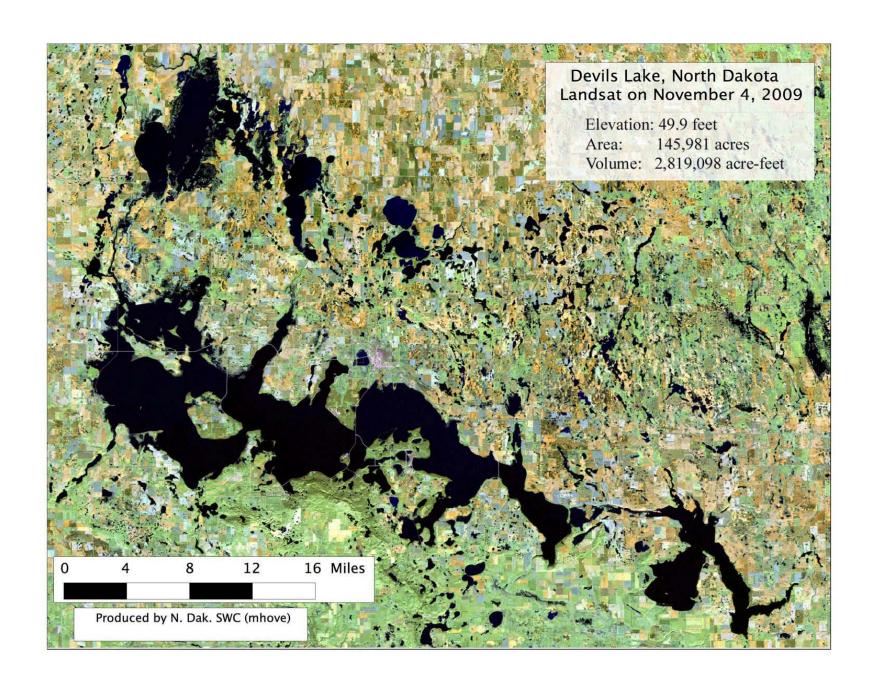


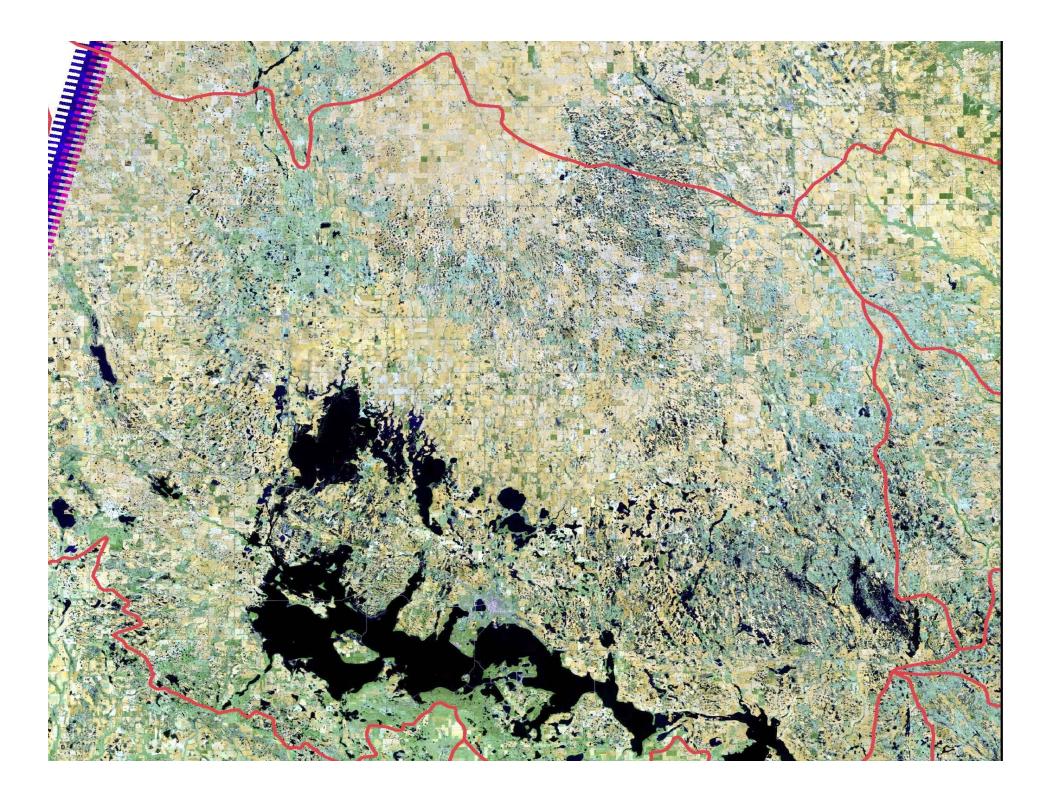




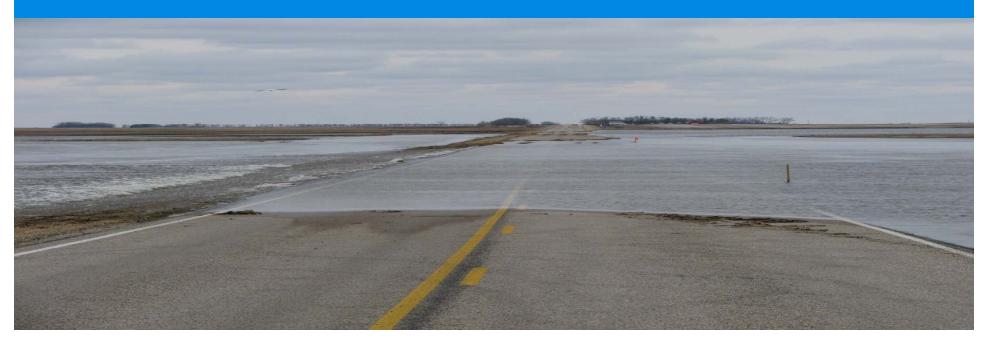








- ➤ On May 30th, Devils Lake crept to a new record level of 1451.79, surpassing last years record of 1450.73 feet above mean sea level (amsl), set on June 27, 2009.
- From its lowest 1993 elevation of 1422.62 feet amsl to its record May 2010 elevation, Devils Lake rose over 29 feet.



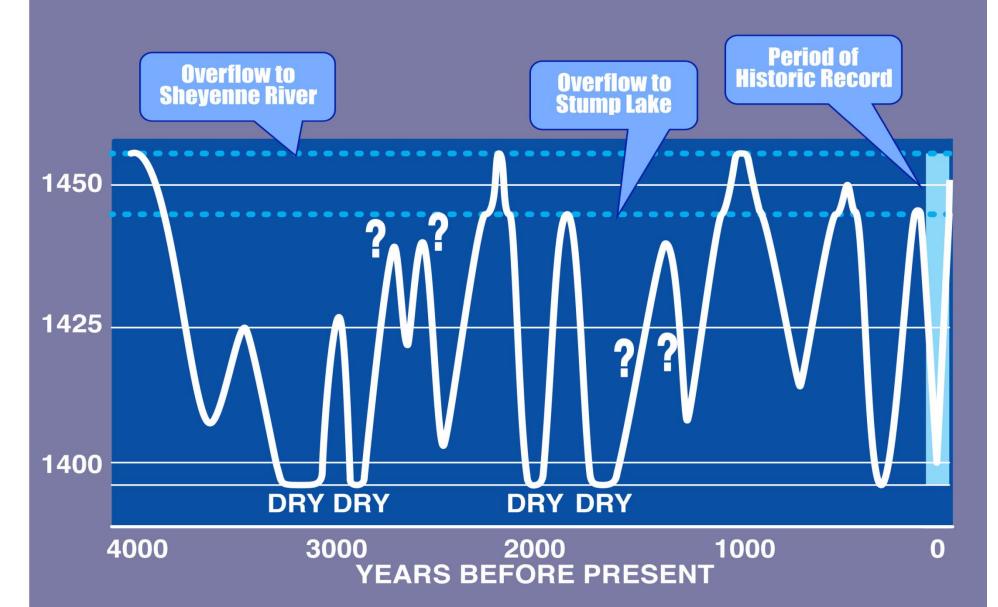
➤ Combined storage for the lakes is 3.67 MAF, an increase of 218,000 from June 9, 2009. For Stump Lake, the lake level is higher by 1.09 feet from June 9, 2009 and Devils Lake is 1.28 feet higher then last year at this time. The area of the lakes has increased by 12,400 acres from a year ago.

- ➤ Devils Lake naturally spills into Stump Lake at 1,446.5 feet amsl. Since water began trickling into Stump Lake from Devils Lake in 1999, Stump Lake has now been filled and has become part of Devils Lake rising 42.8 feet in the process.
- Devils Lake naturally overflows into the Sheyenne River at 1458.0 feet amsl. The Sheyenne River is a tributary of the Red River of the North, which flows into Canada.

- Since glaciation, Devils Lake has been fluctuating from overflowing to dry. This variability is the normal condition of the lake reflecting climate changes.
- ➤ Devils Lake has reached its spill elevation of 1,458.0 feet amsl and overflowed into the Sheyenne and Red Rivers at least twice during the past 4,000 years. The last Devils Lake spill into the Sheyenne River occurred less than 2,000 years ago.

- At its spill elevation, Devils Lake will cover more than 261,000 acres.
- ➤ In March 1993, Devils Lake had a surface area of 44,230 acres. At its June 2009 record elevation, Devils Lake covered about 169,000 acres an increase of 124,800 inundated acres, or about 195 square miles. During that same time period, the volume of water in Devils Lake had more than sextupled.

4000 Years of Fluctuations



WHAT HAS THIS FLOOD COST?

> DOT \$341,702,941

Devils Lake Levee \$172,987,729

> FEMA \$44,400,000

Devils Lake Outlet \$42,000,000

> Corps \$26,215,000

> Rail Repair \$25,672,737.80

> HUD \$3,000,000

➤ Total:

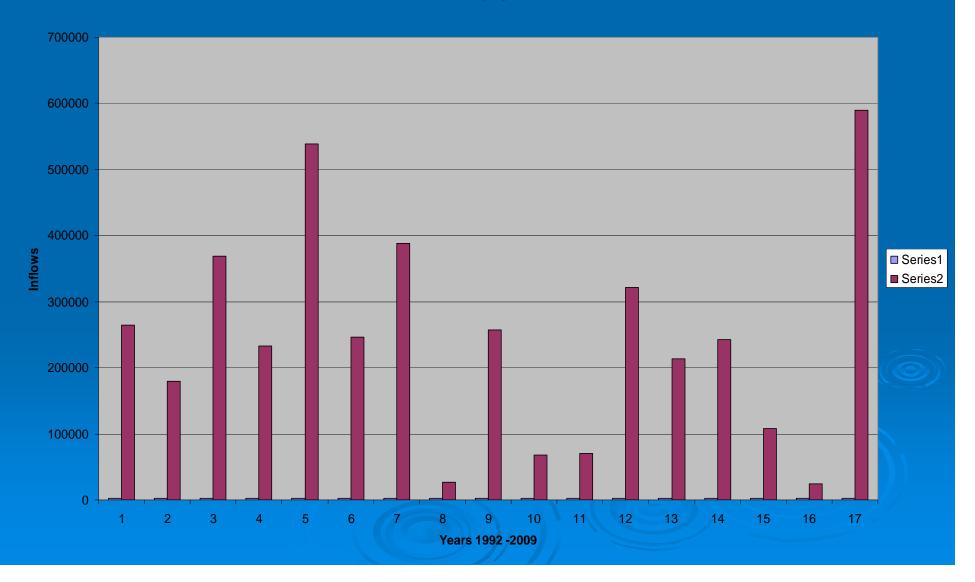
\$655,978,407.80

AGRICULTURAL IMPACTS

- ➤ For Every Foot of Elevation Increase 9 10 Thousand Acres of Farmland LOST!
- Annual Economic Impact of \$83 Million Dollars LOST!
- > 530 Jobs lost!

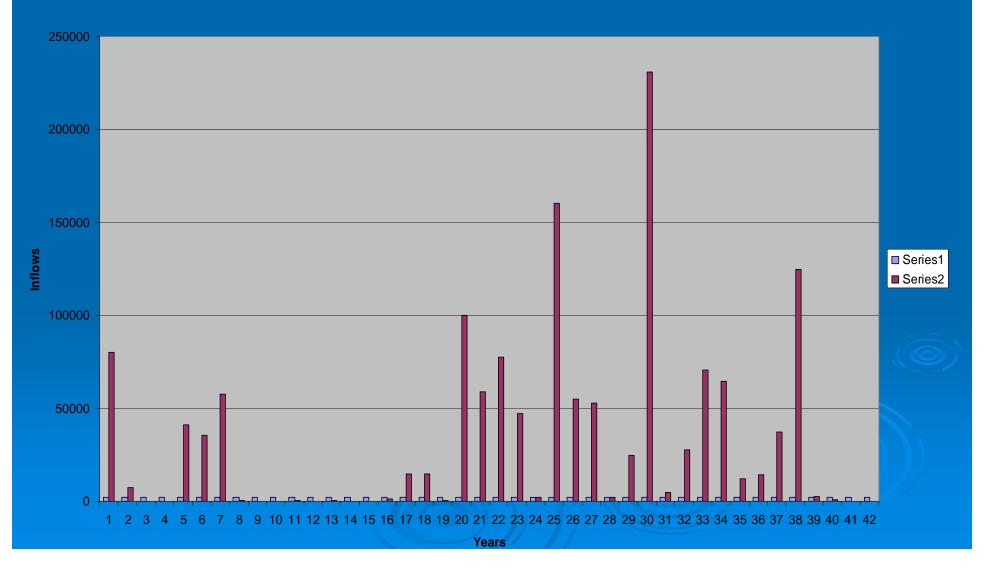
Basin Inflows 1992 - 2009

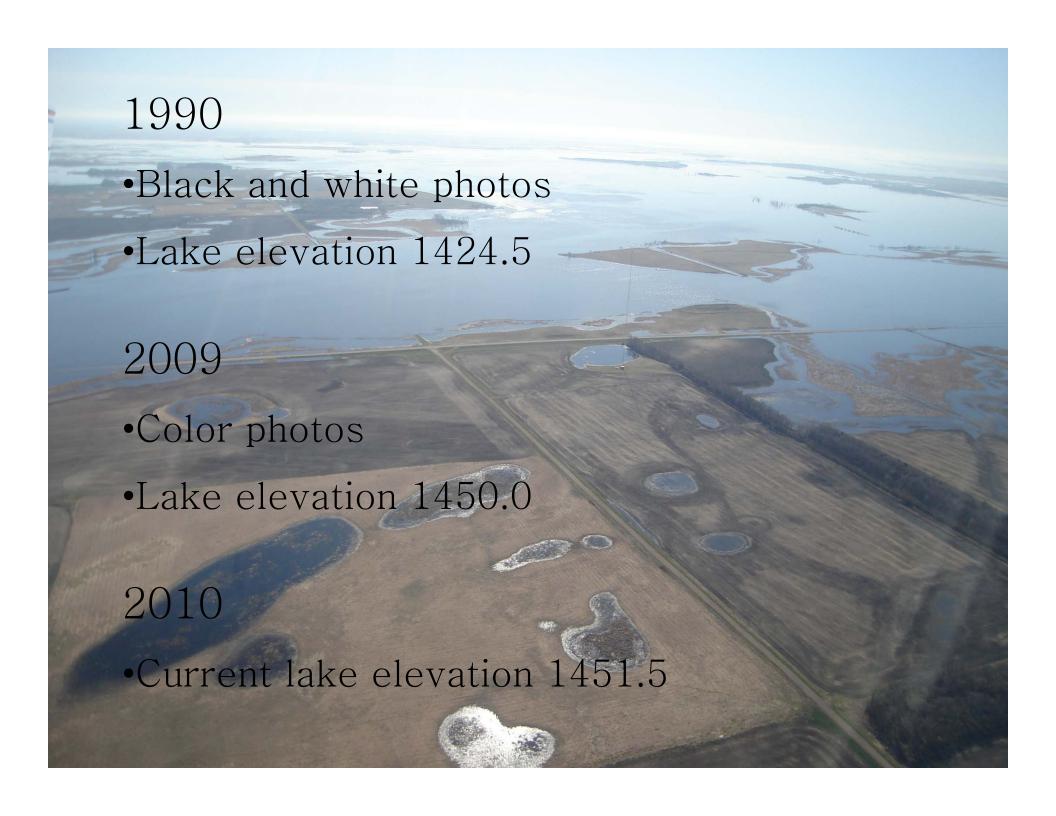
Inflows

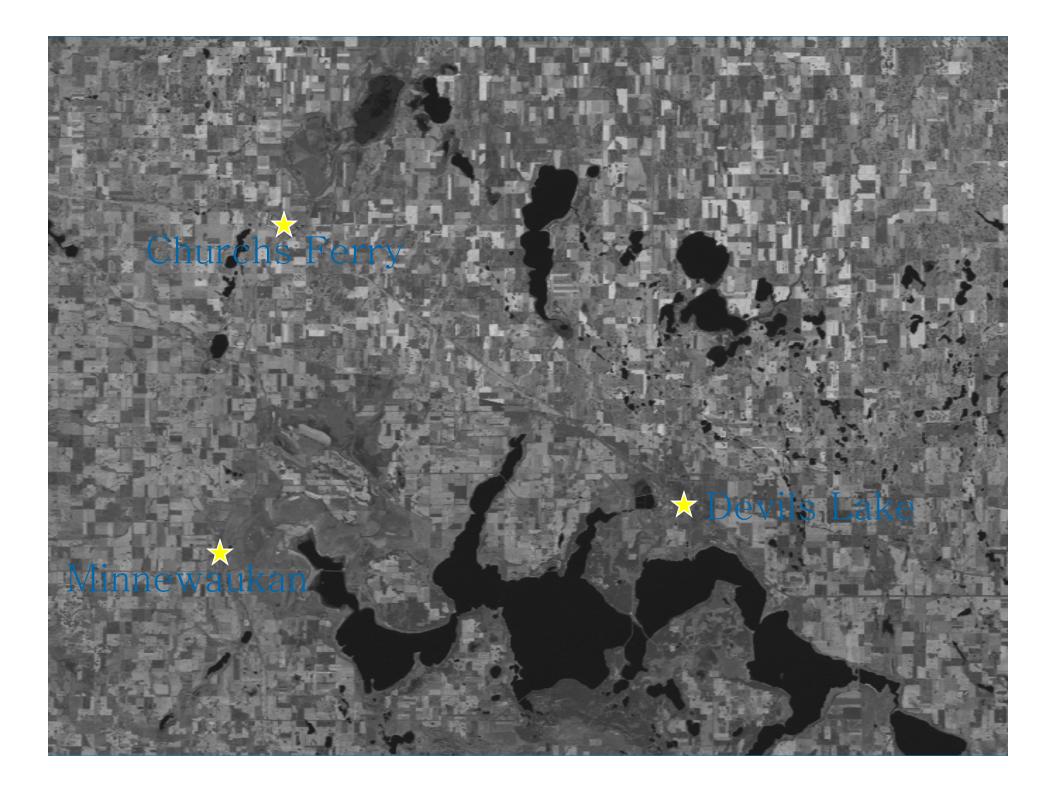


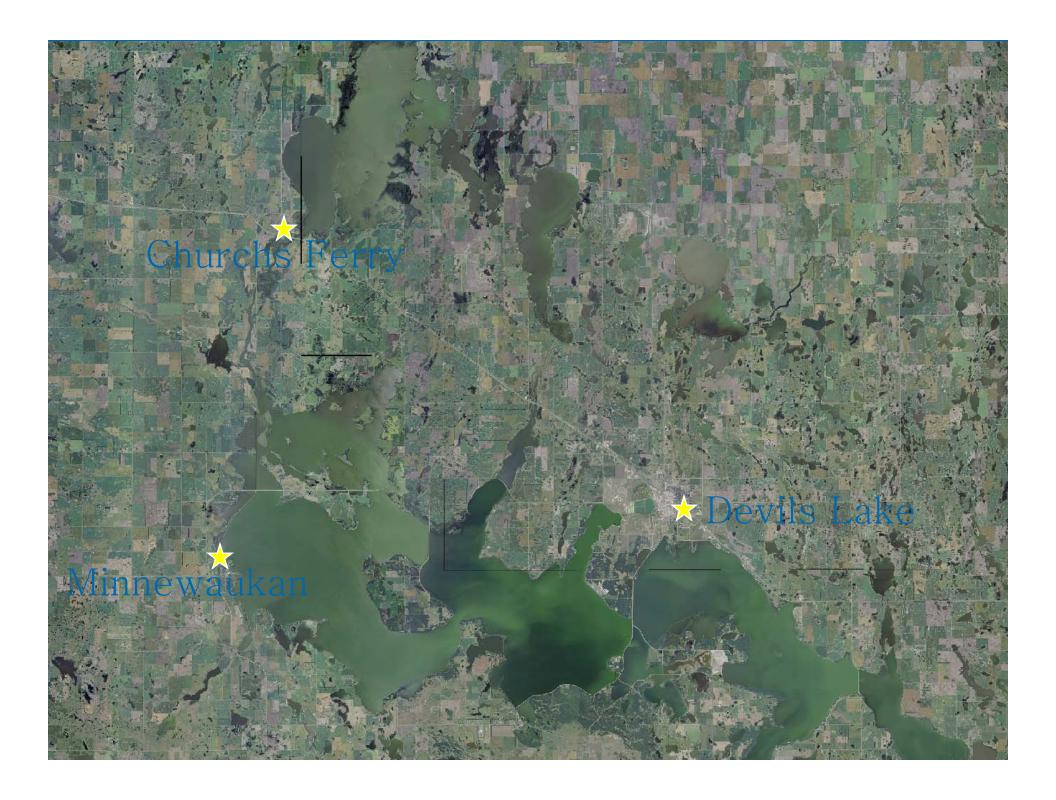
Basin Inflows 1950 - 1991

Inflows 1950 - 1991









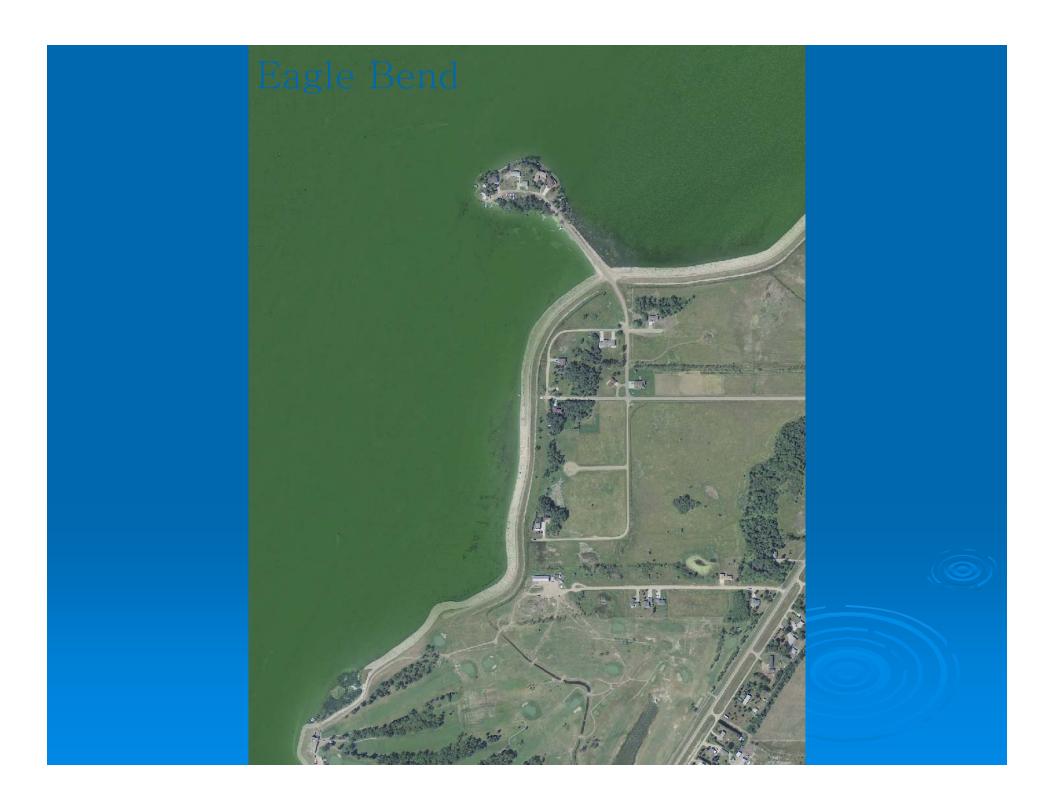




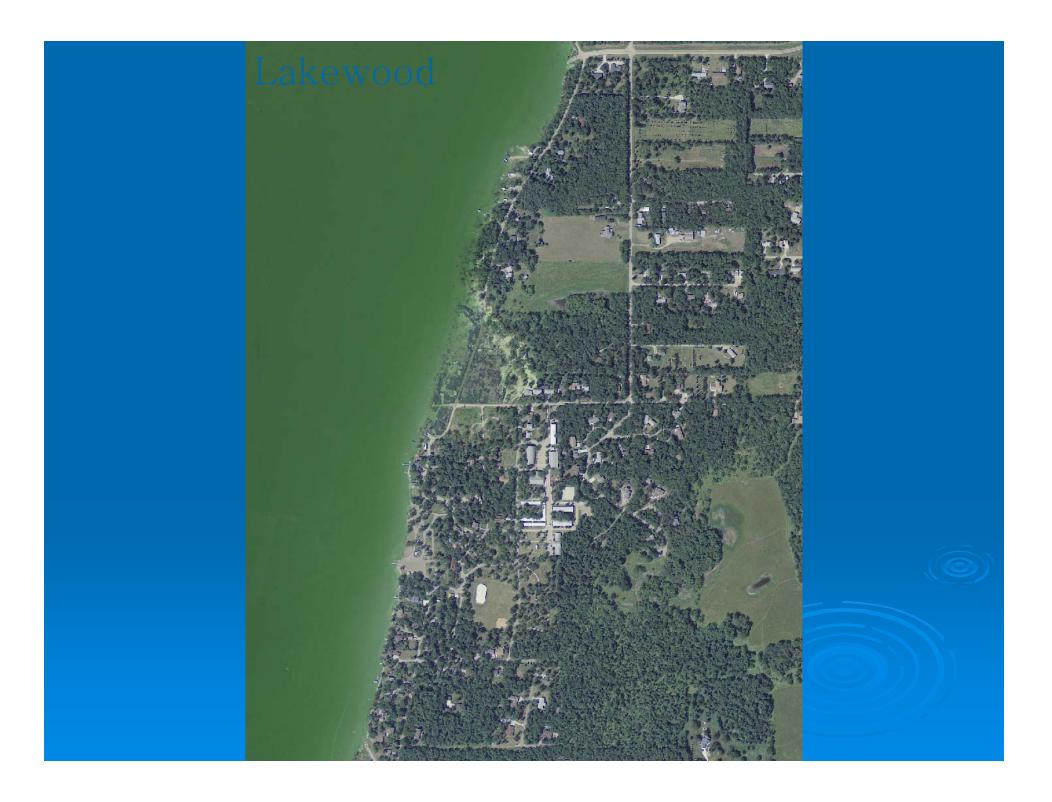






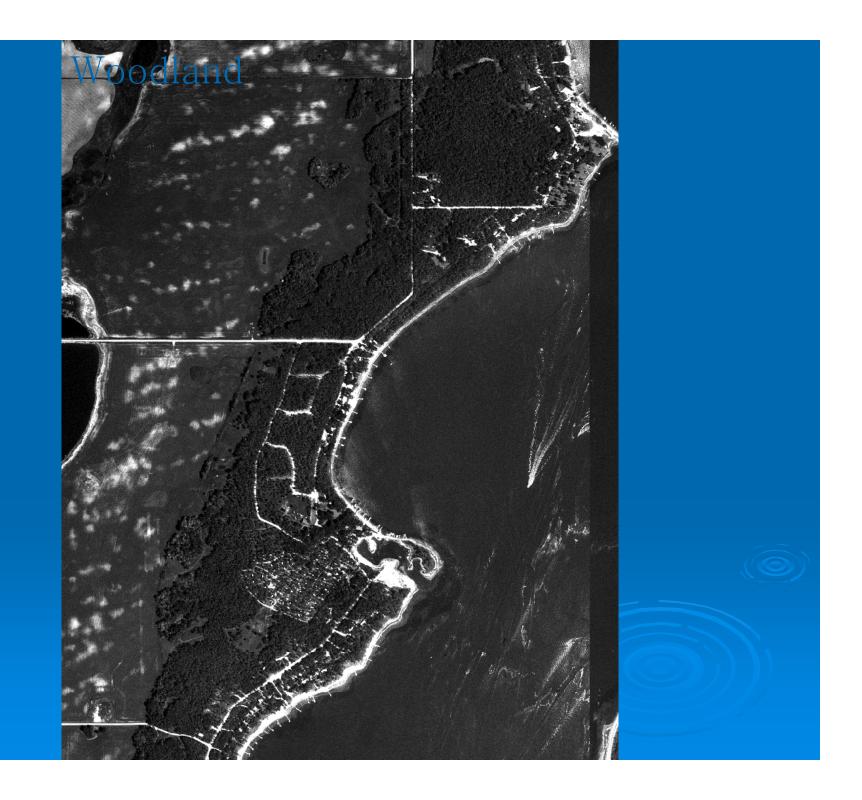




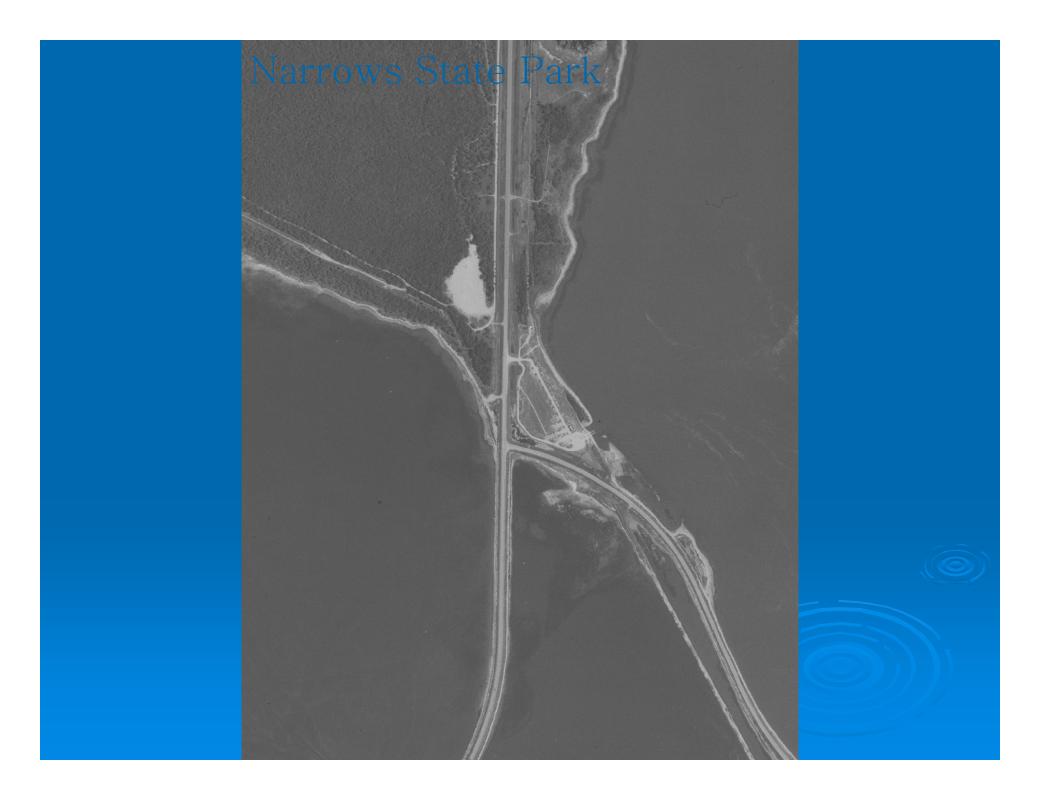


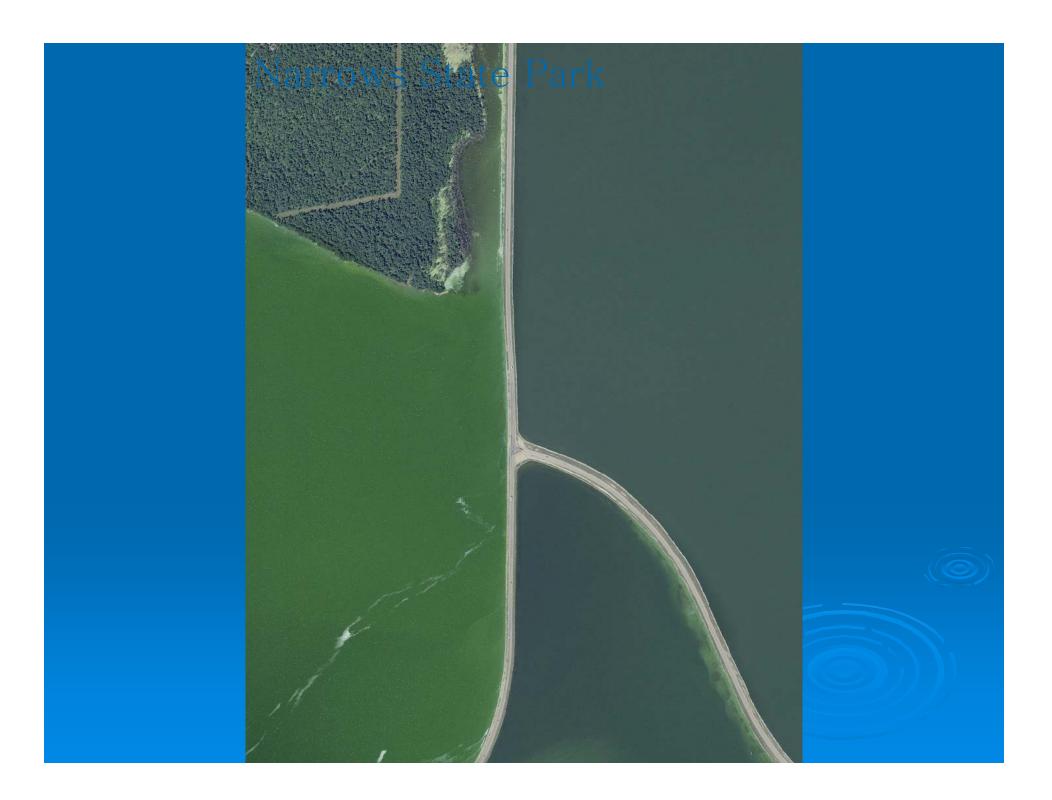


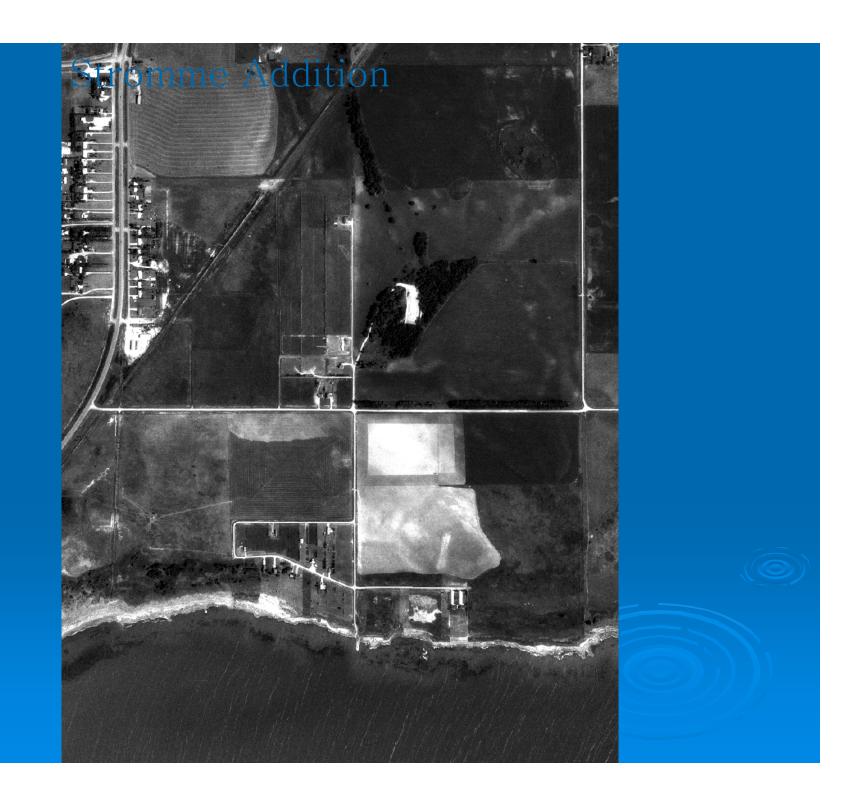


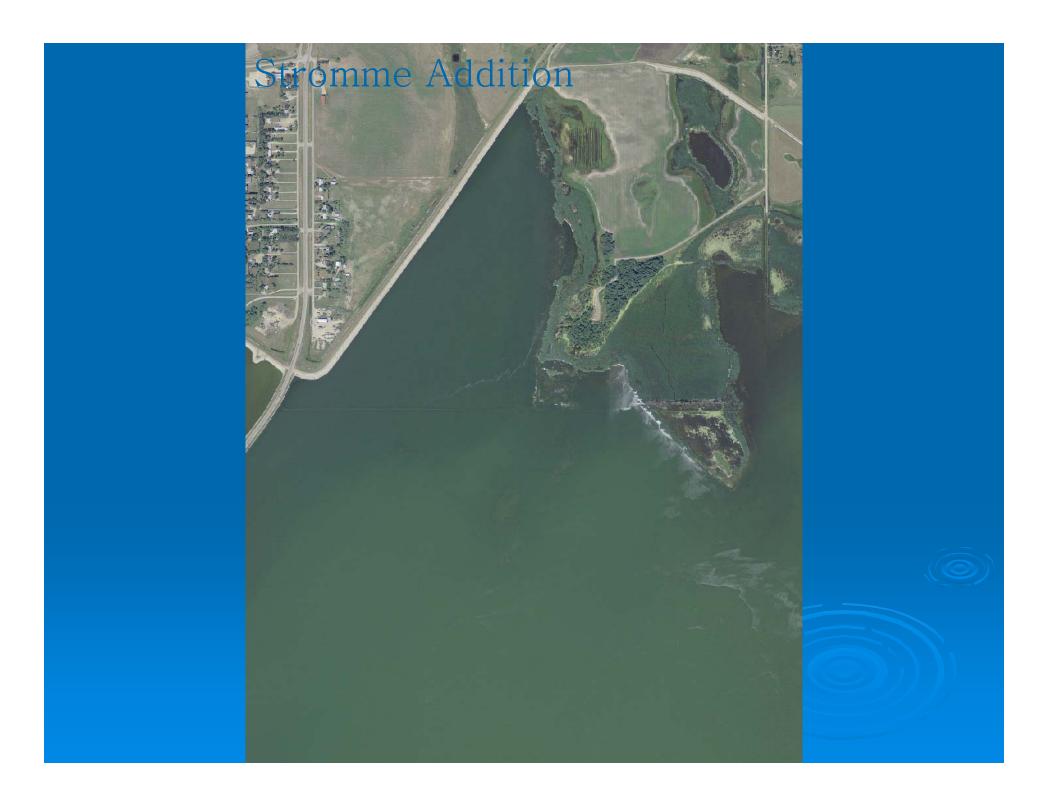


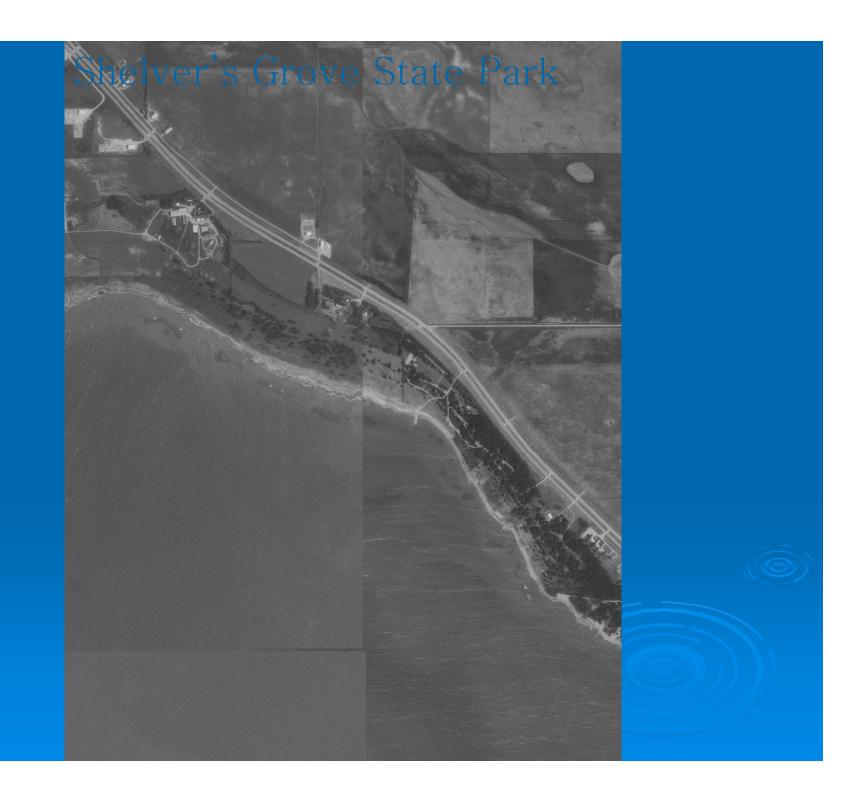


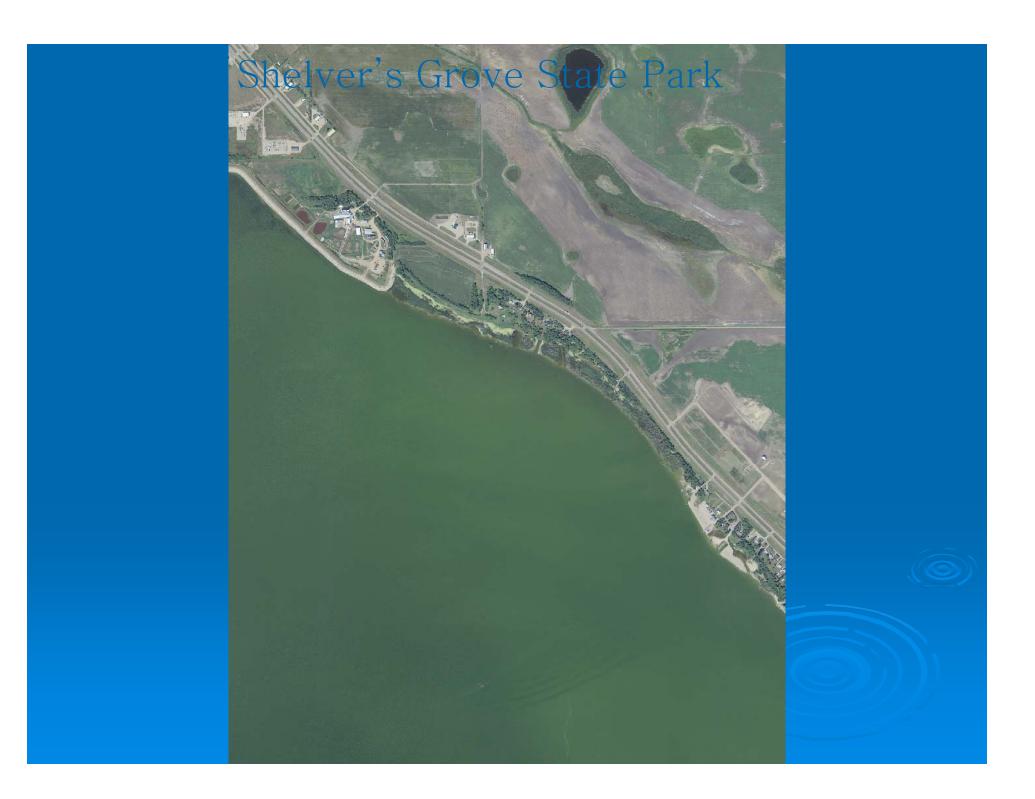


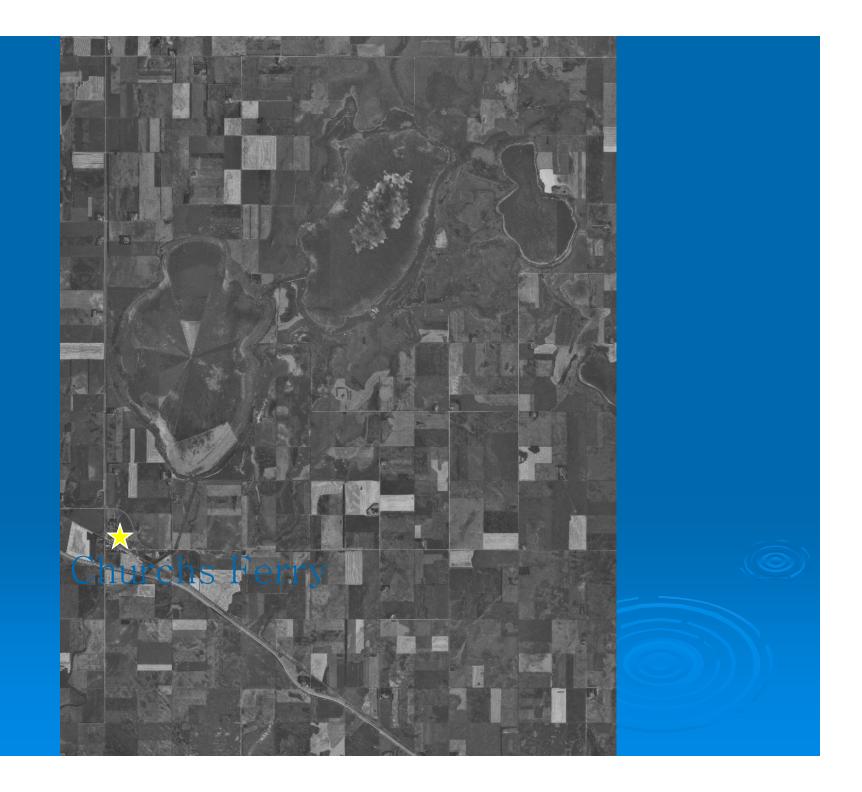


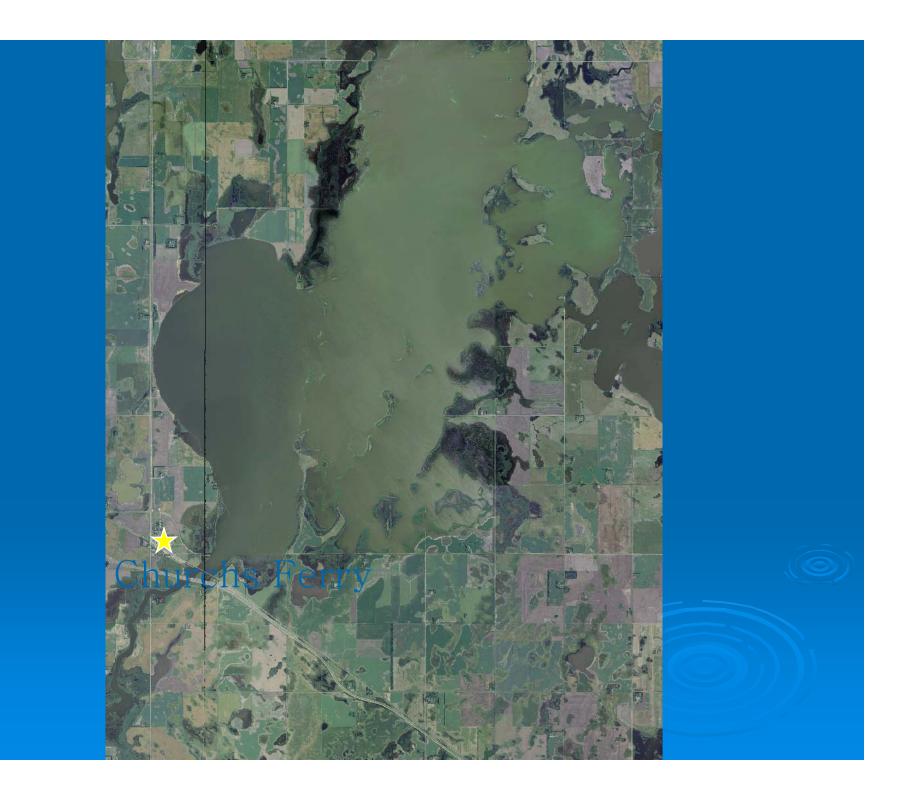




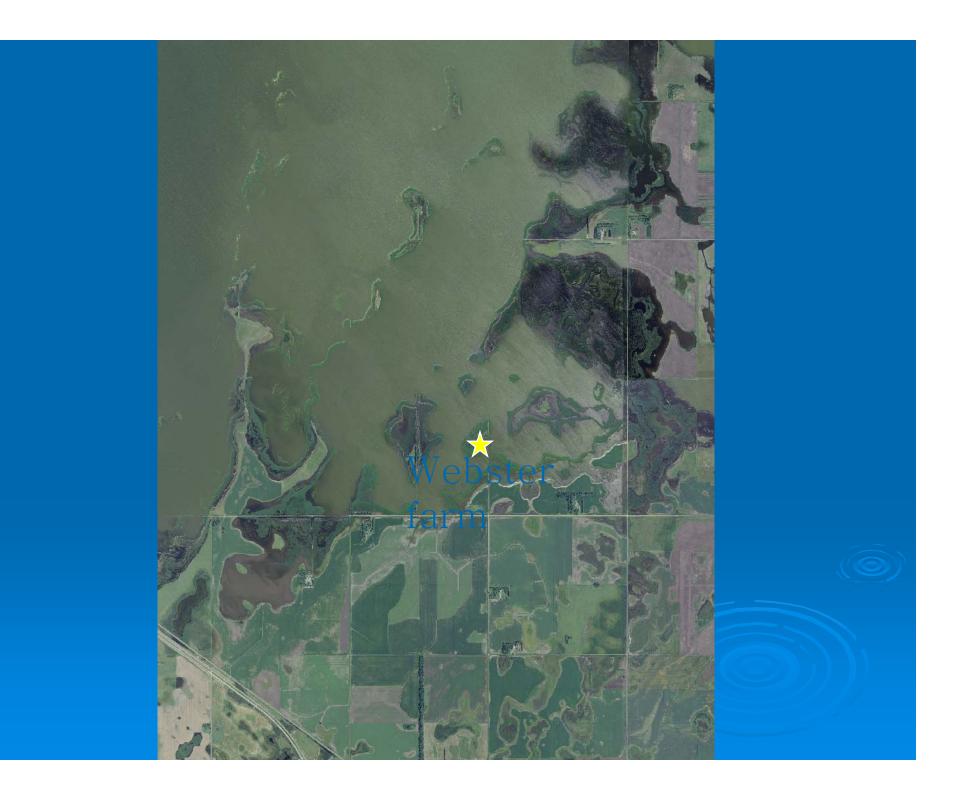








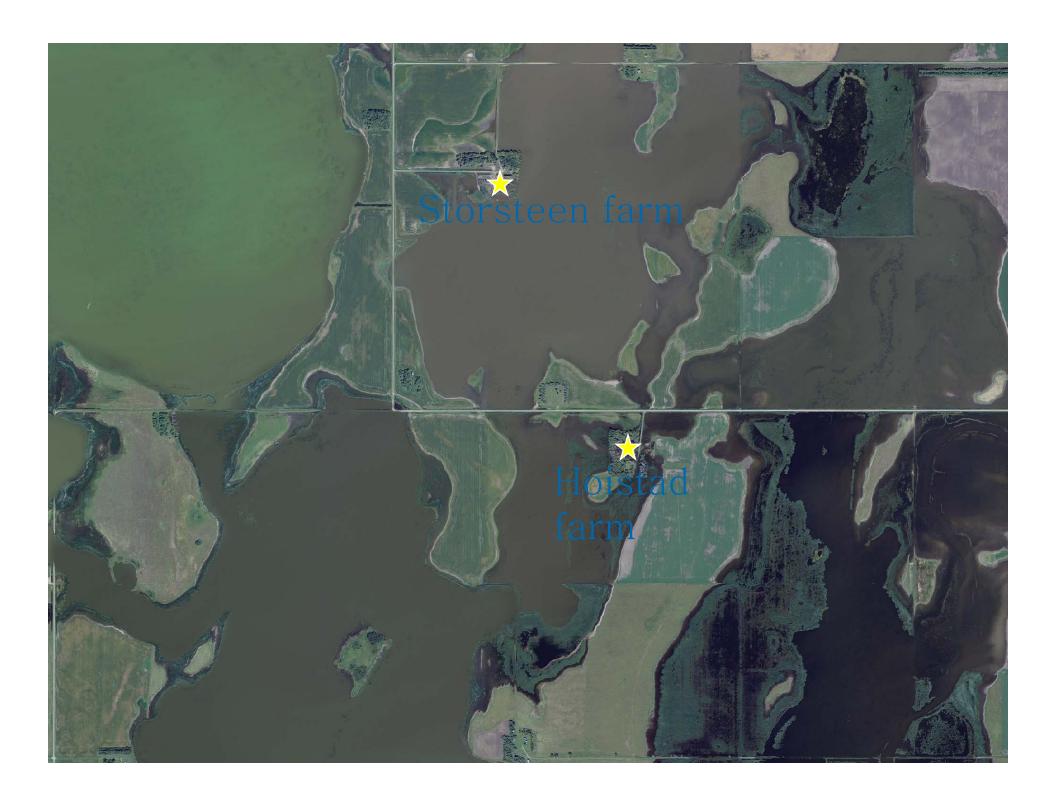






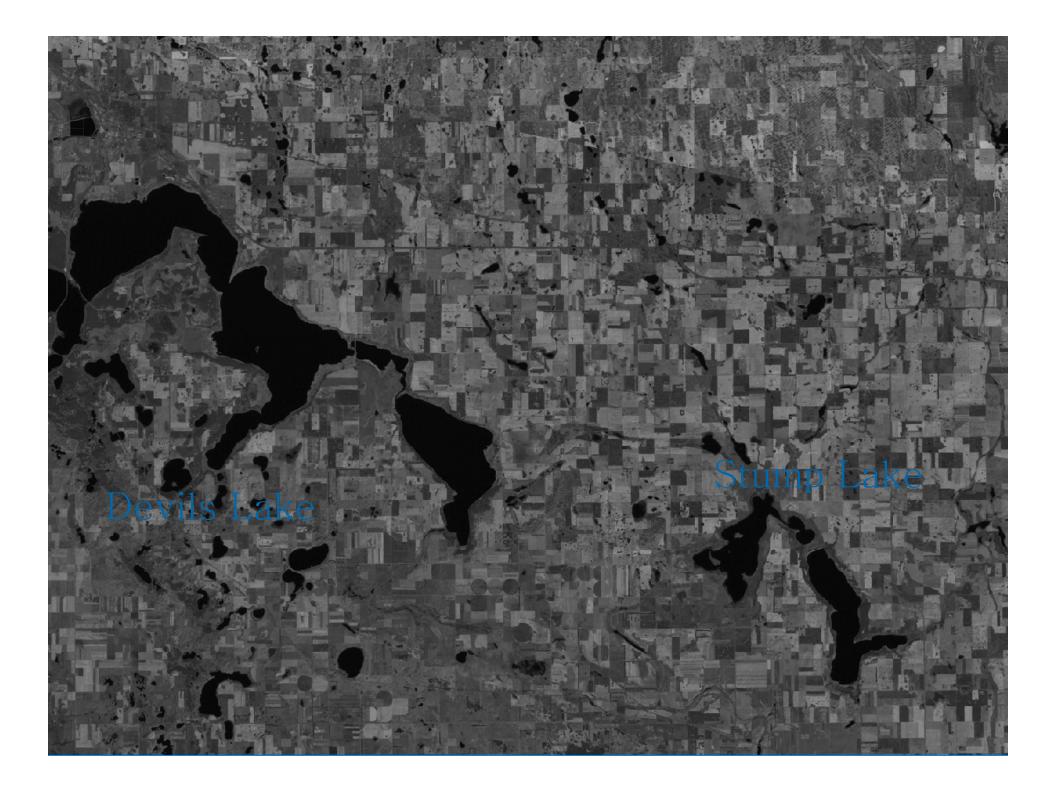




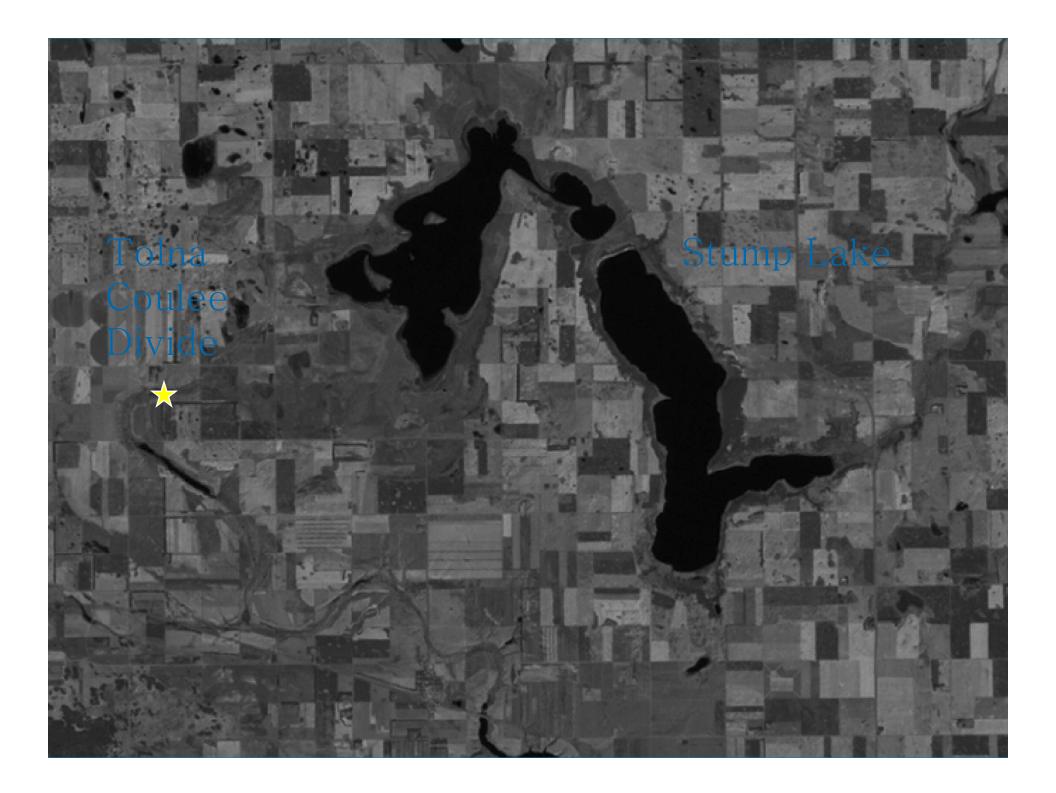




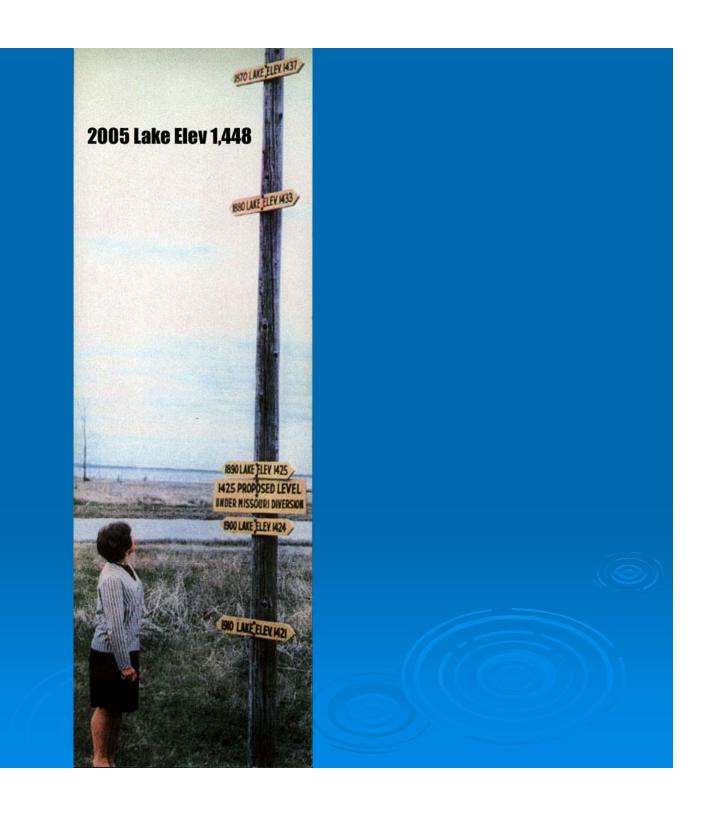












QUESTIONS?

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- > 701-662-7076