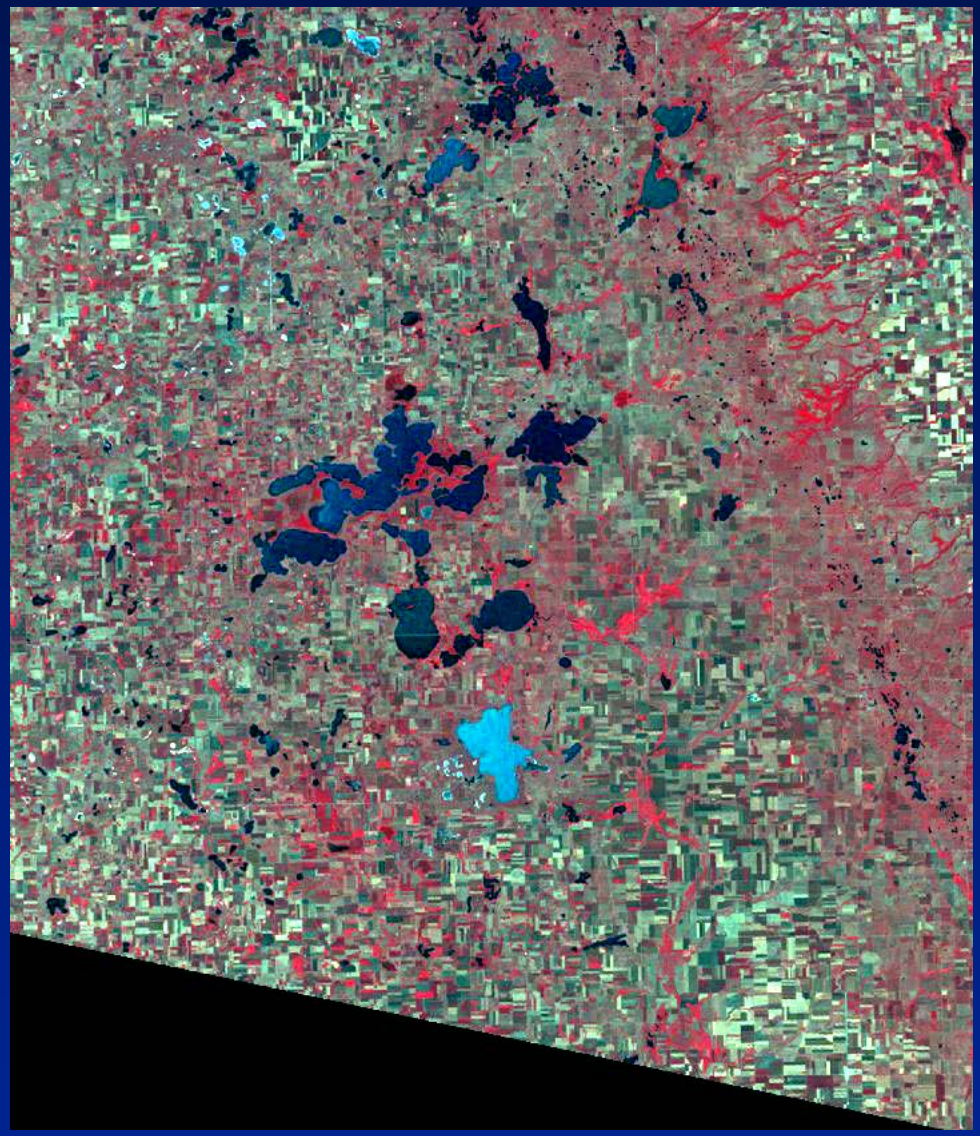
Waubay Chain of Lakes

Landsat Thematic Mapper images from 1974-1999
Regional View

http://gisdata.usgs.gov/nesdflood

U.S. Department of the Interior
U.S. Geological Survey

August 6, 1974



USGS

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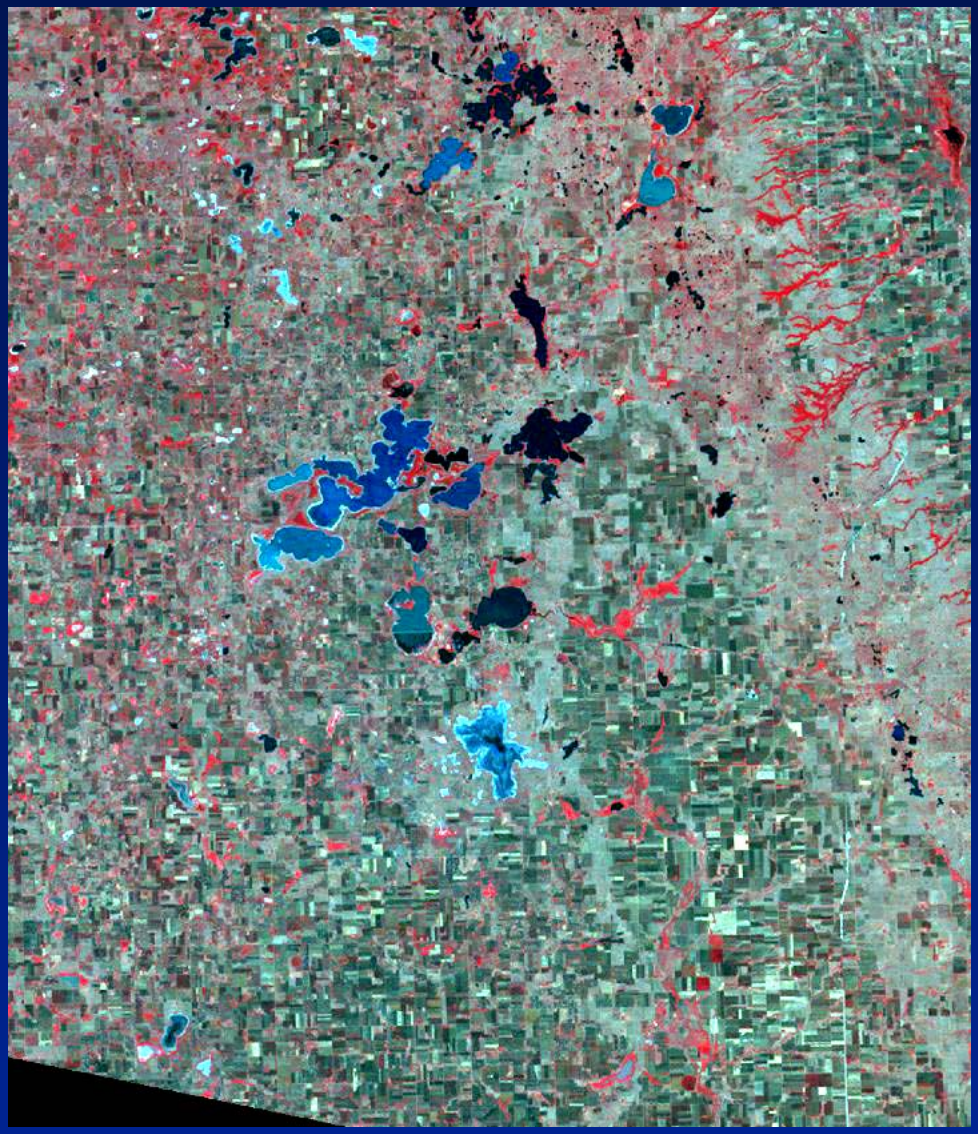

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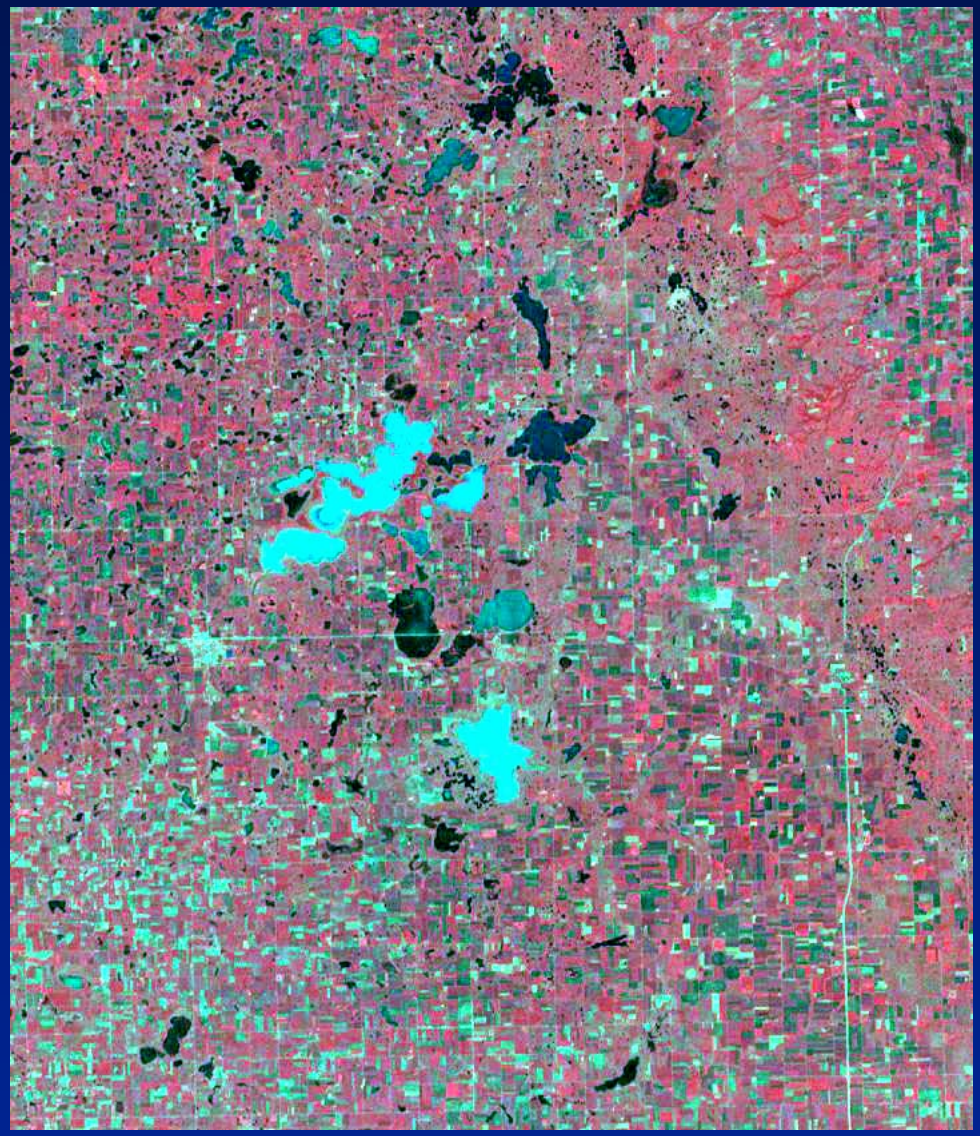

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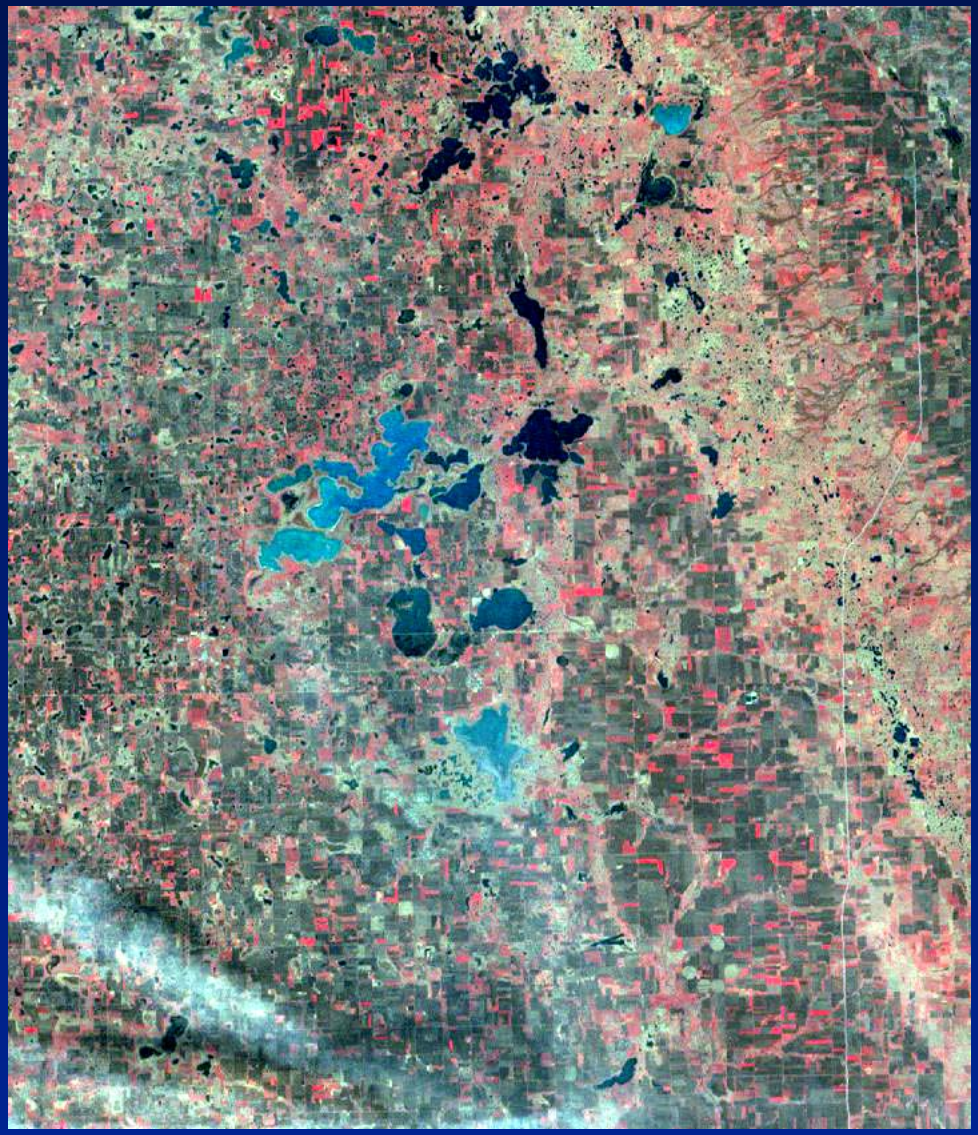

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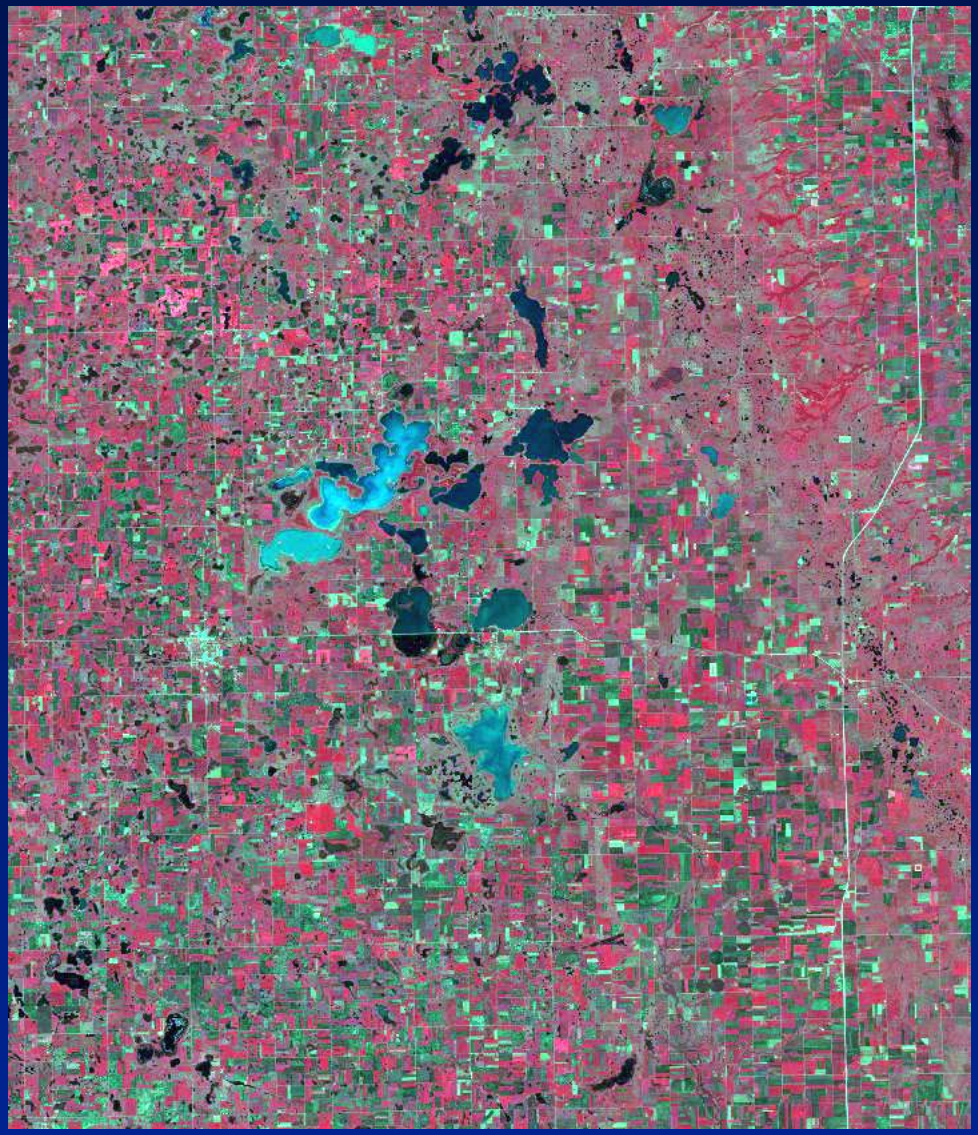

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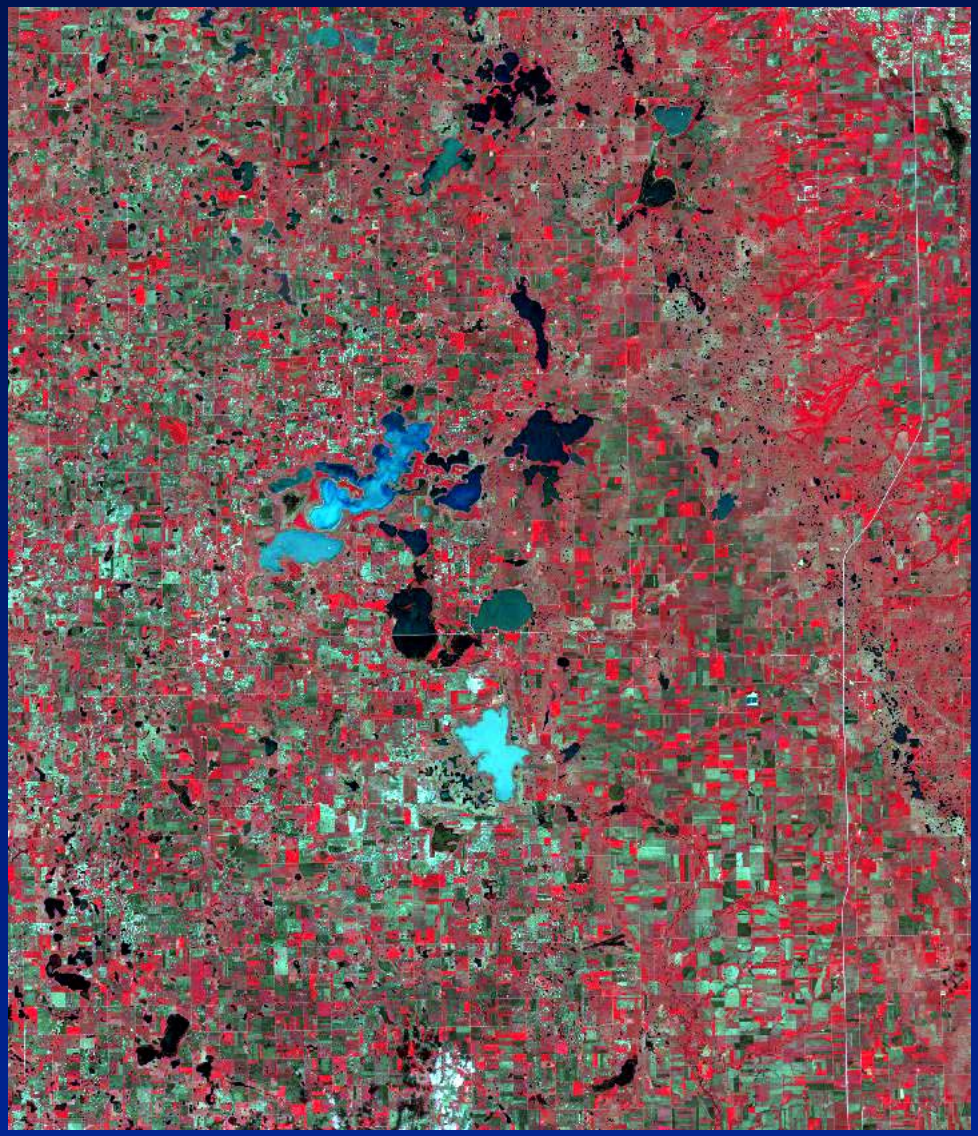

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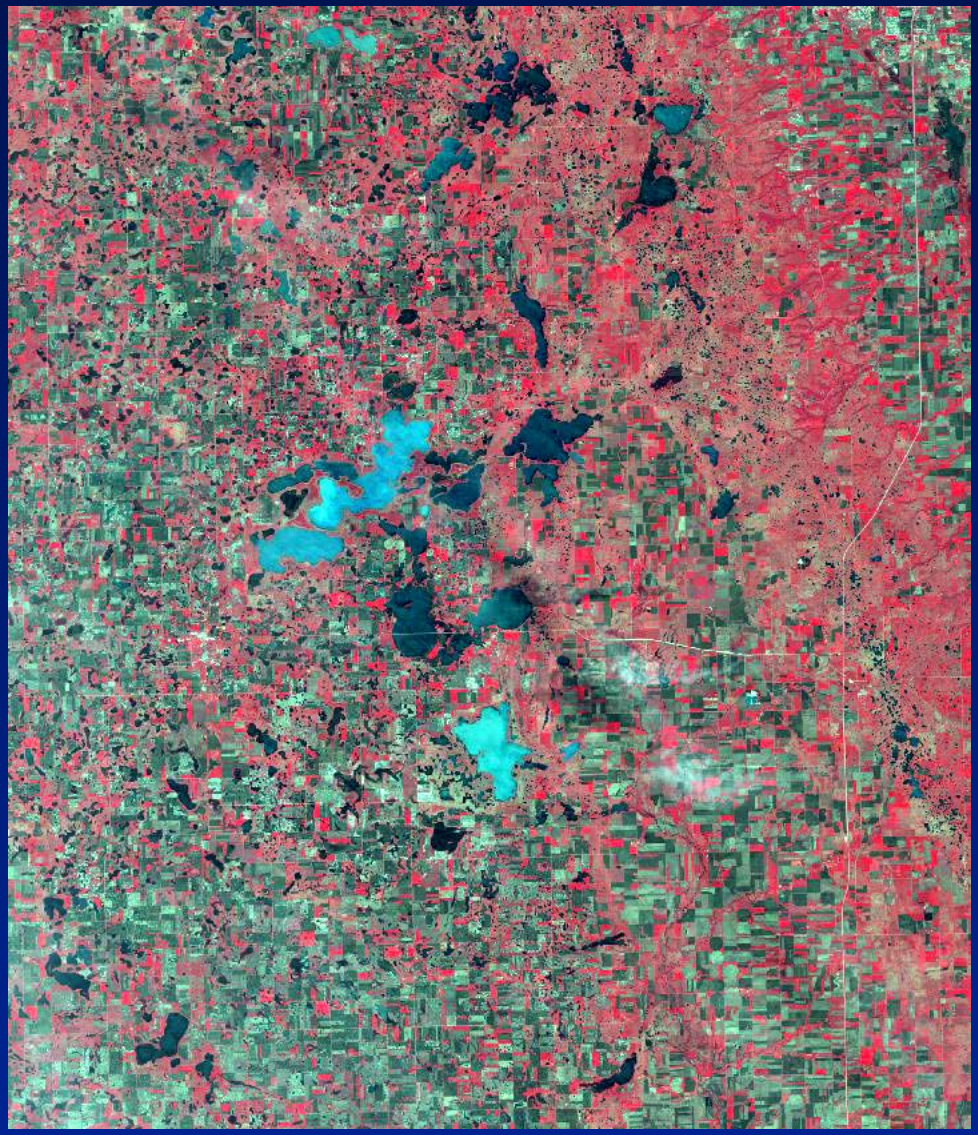

USGS

April 23, 1987

USGS

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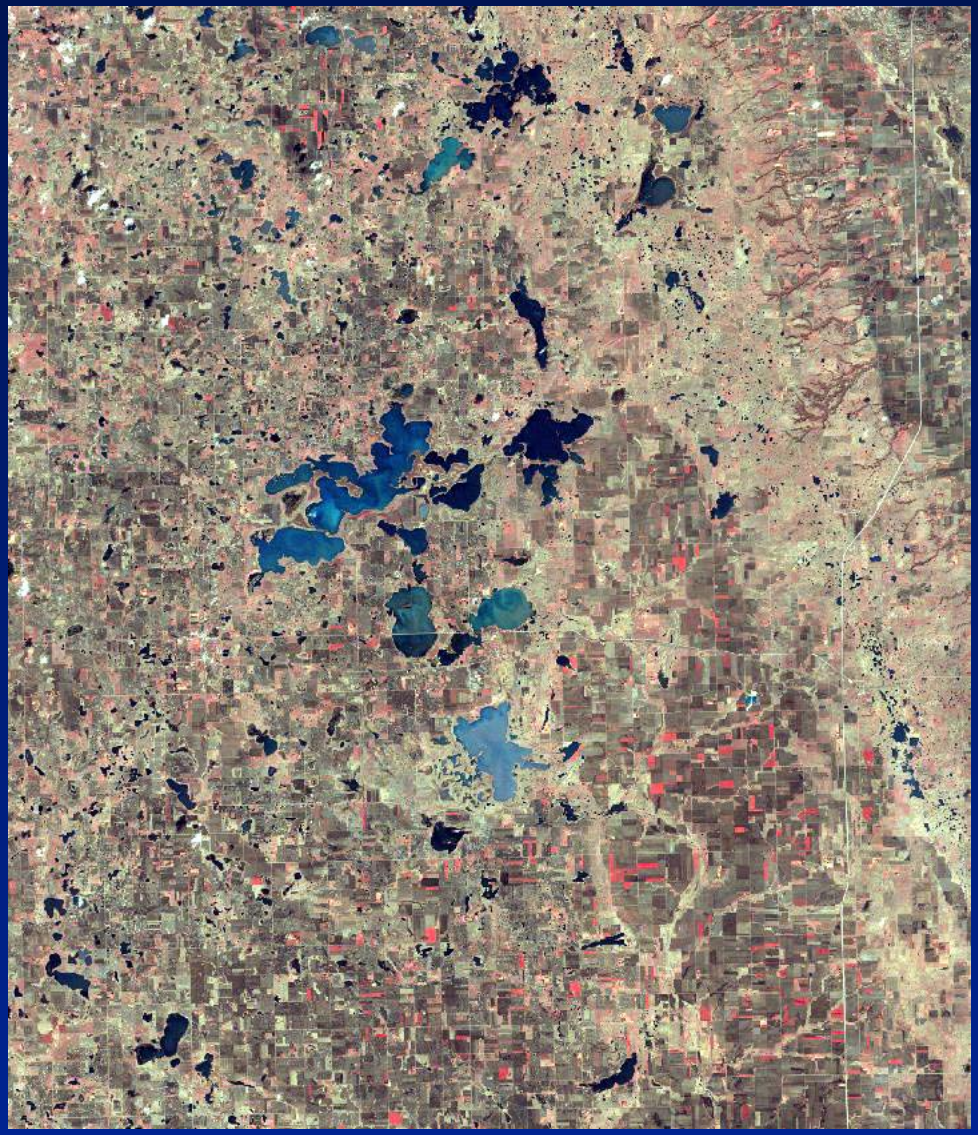

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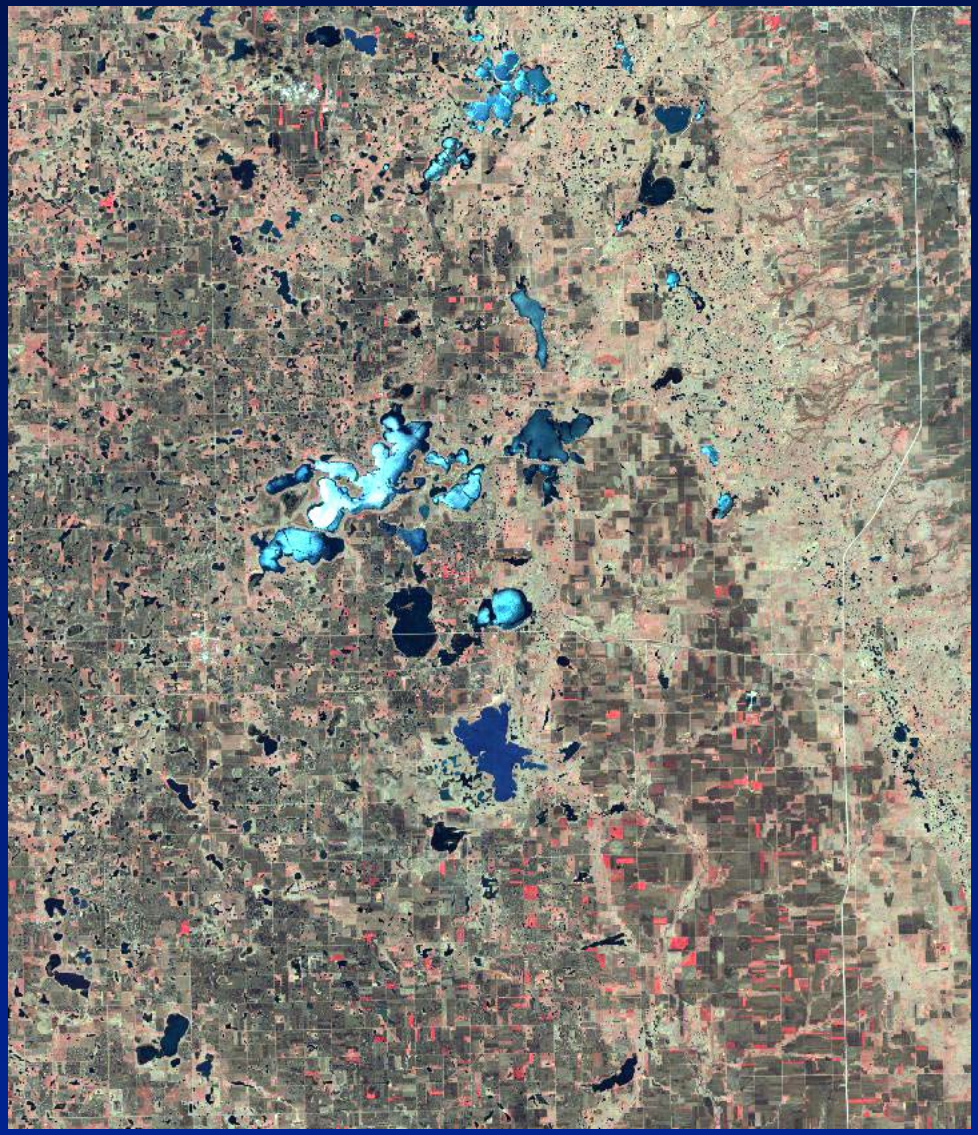
April 20, 1989



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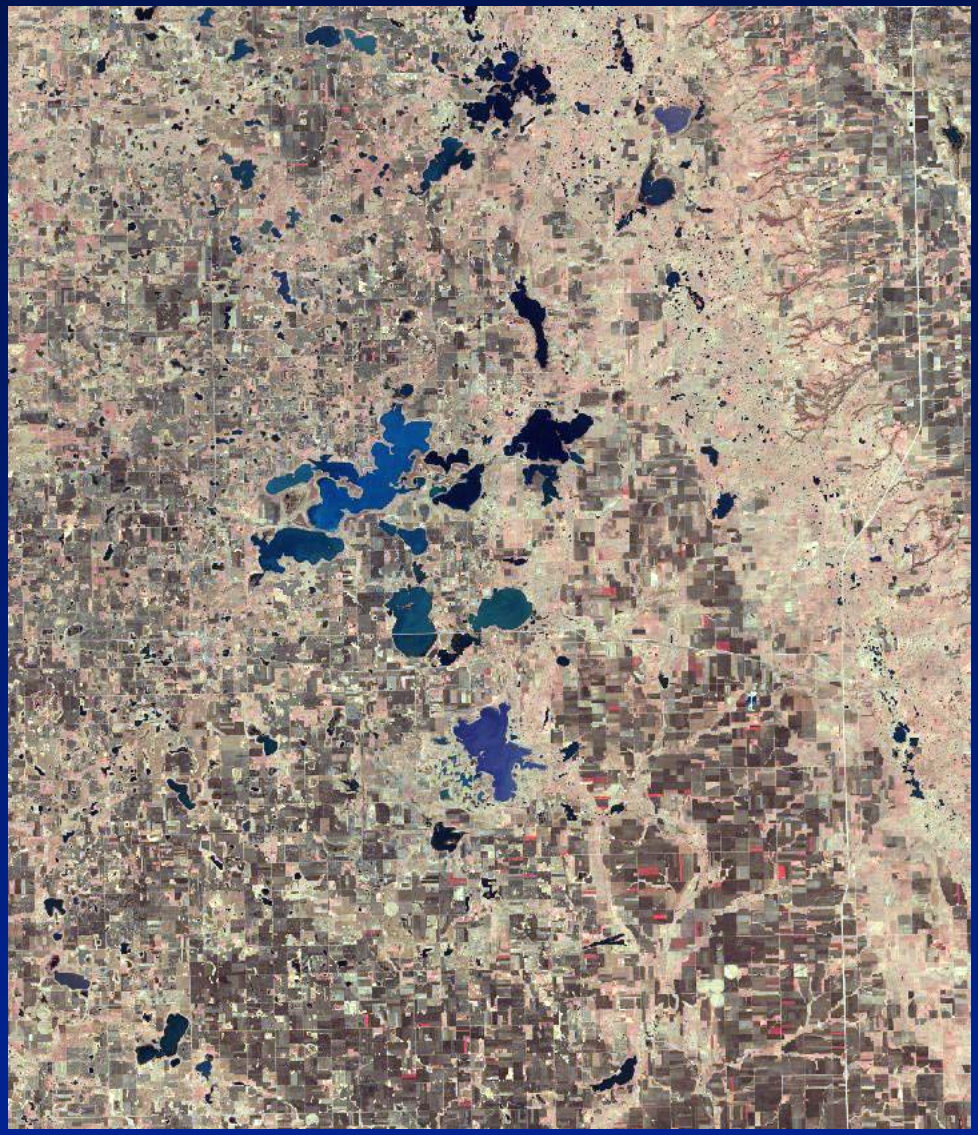
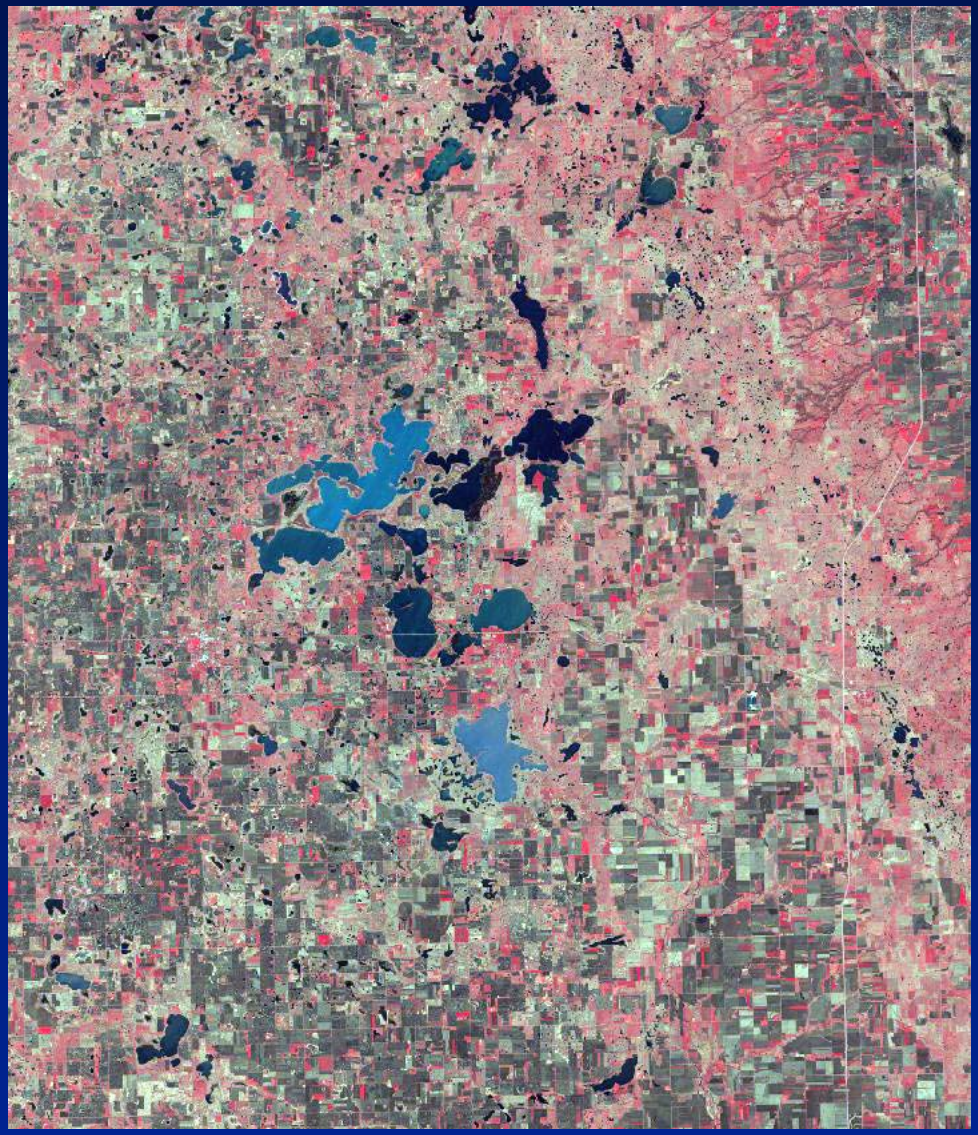


USGS

May 13, 1991

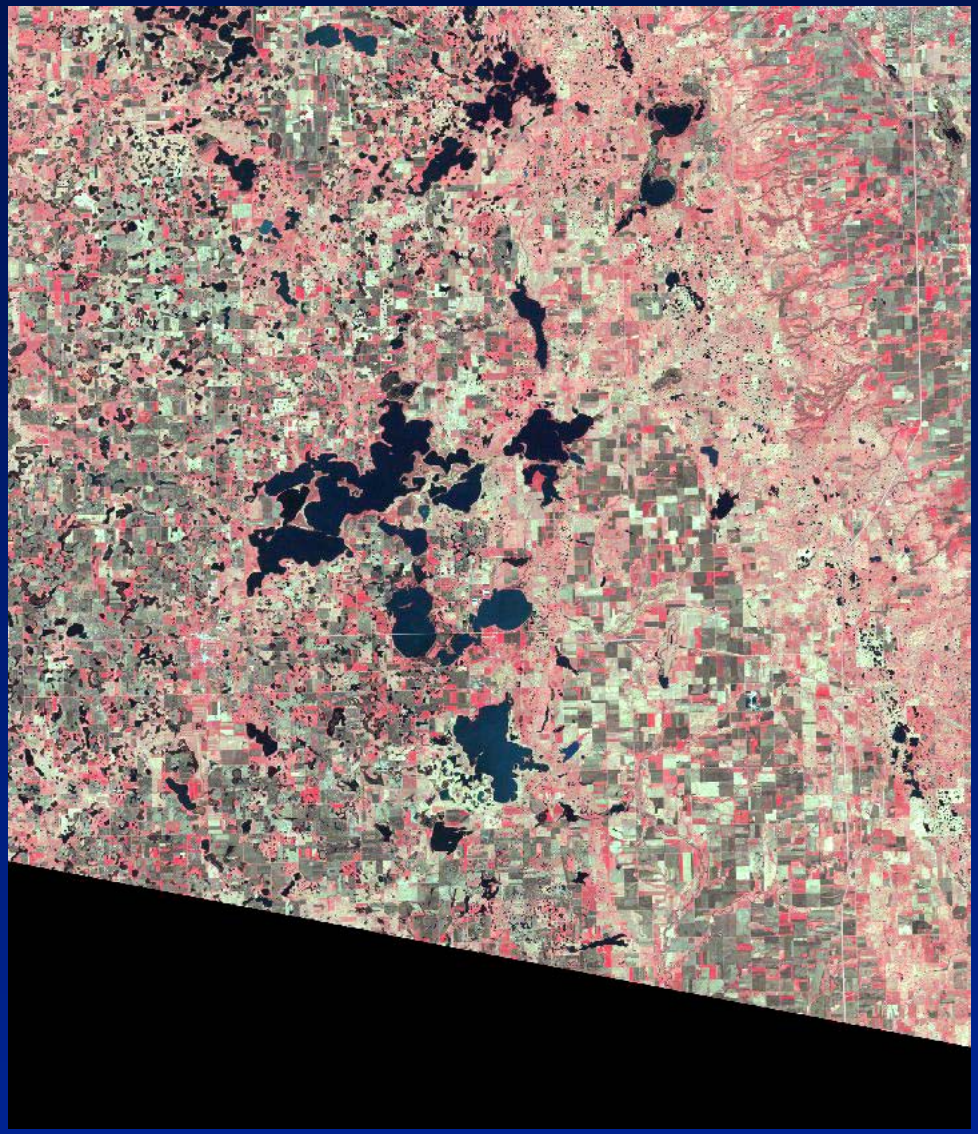
USGS

May 6, 1992



USGS

May 12, 1994



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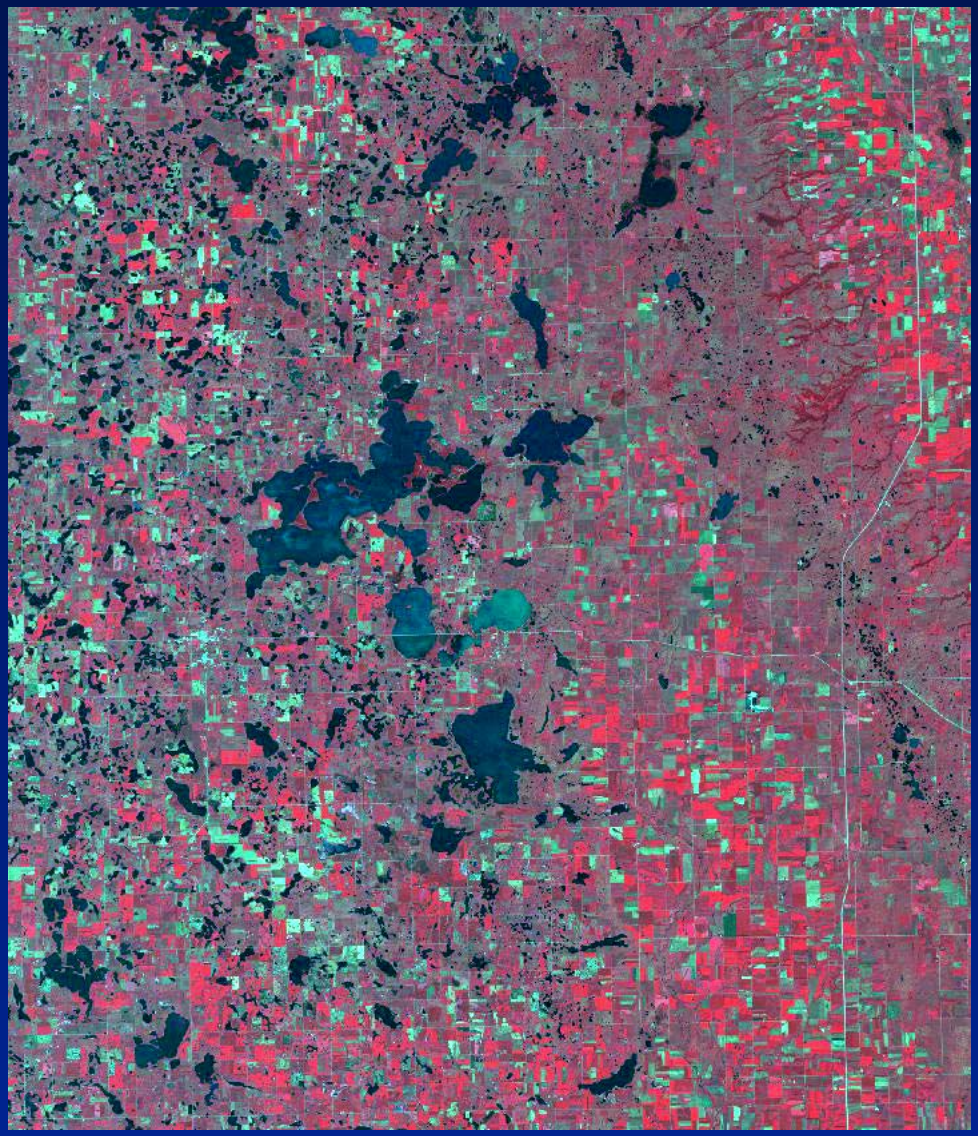

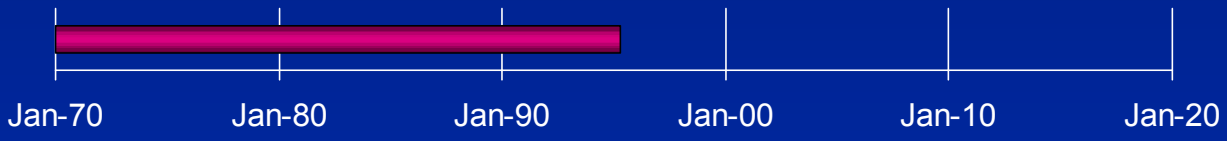

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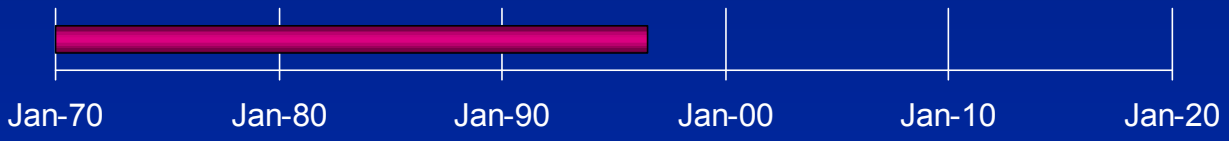
July 4, 1996



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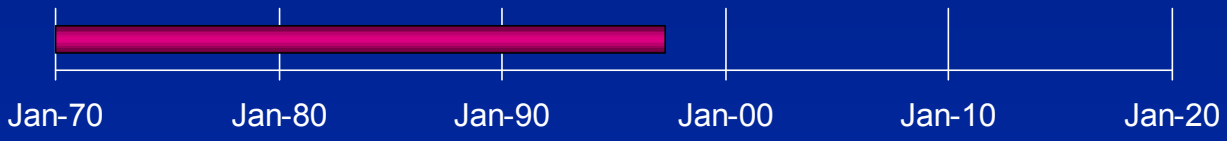

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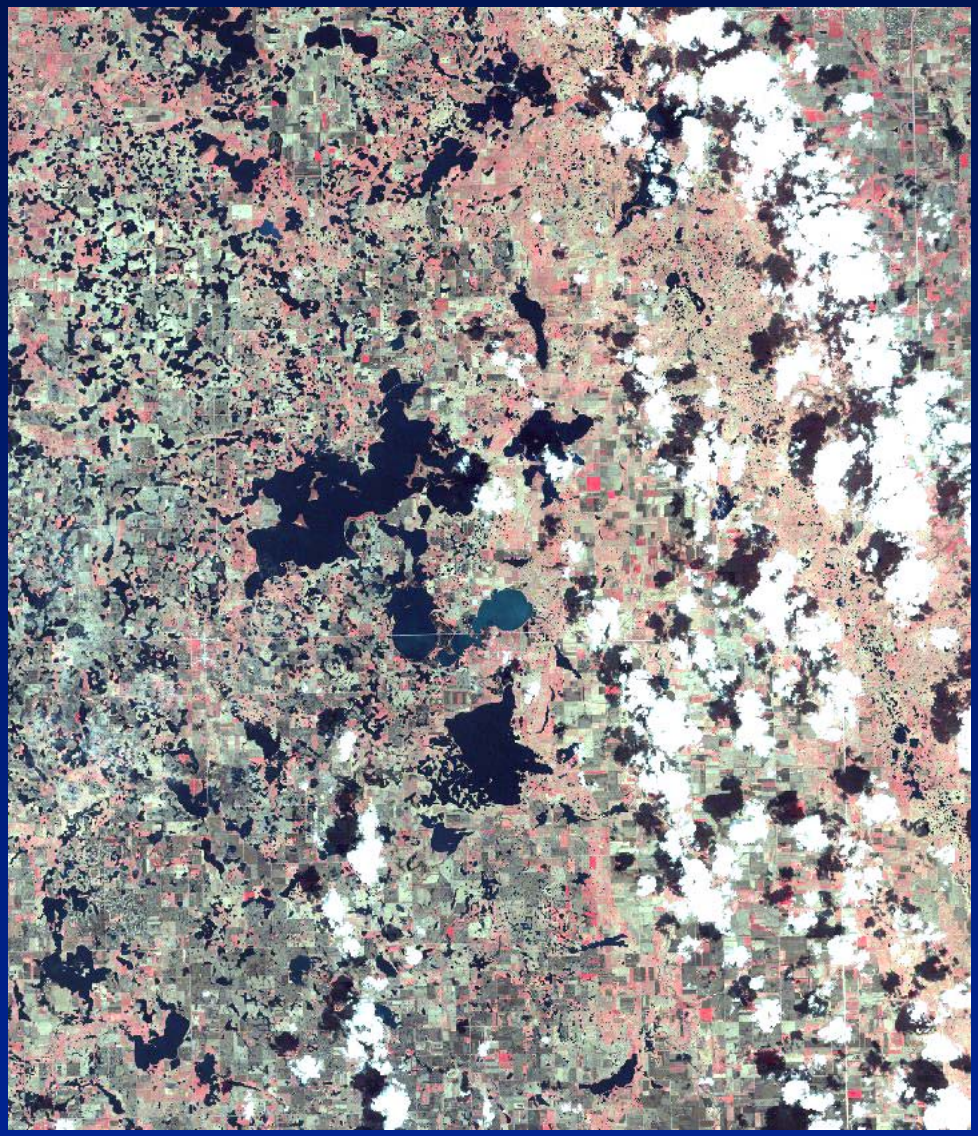
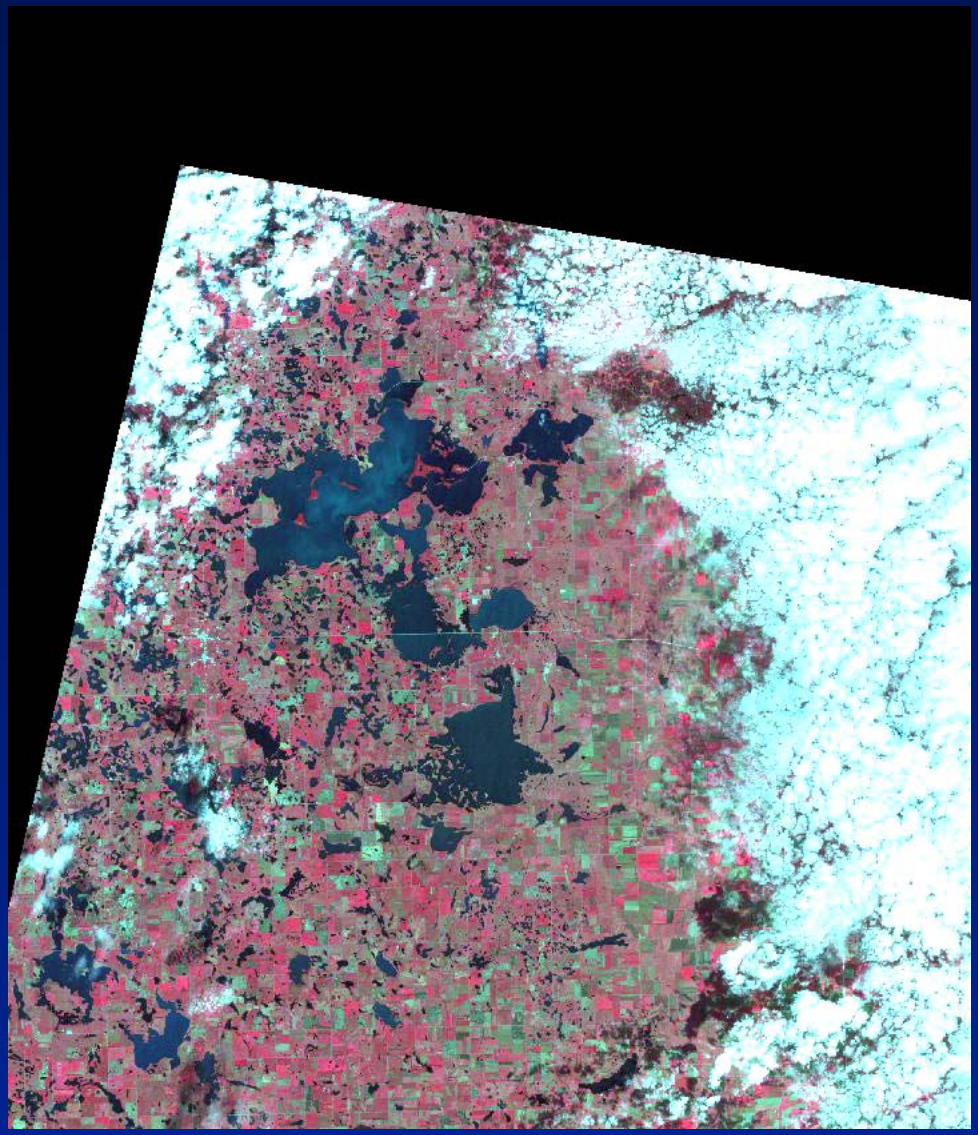
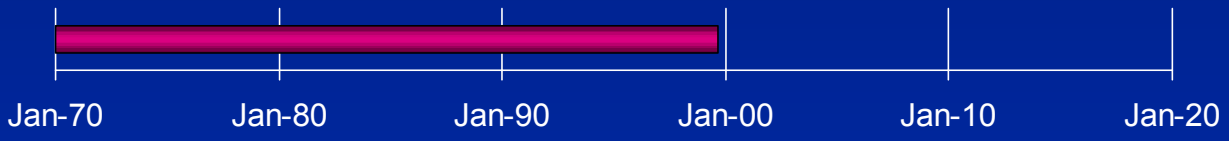


USGS

September 16, 1999





USGS

Waubay Chain of Lakes

Landsat Thematic Mapper images from 1974-1999
- Waubay Lakes with Lake Levels -

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U.S. Department of the Interior
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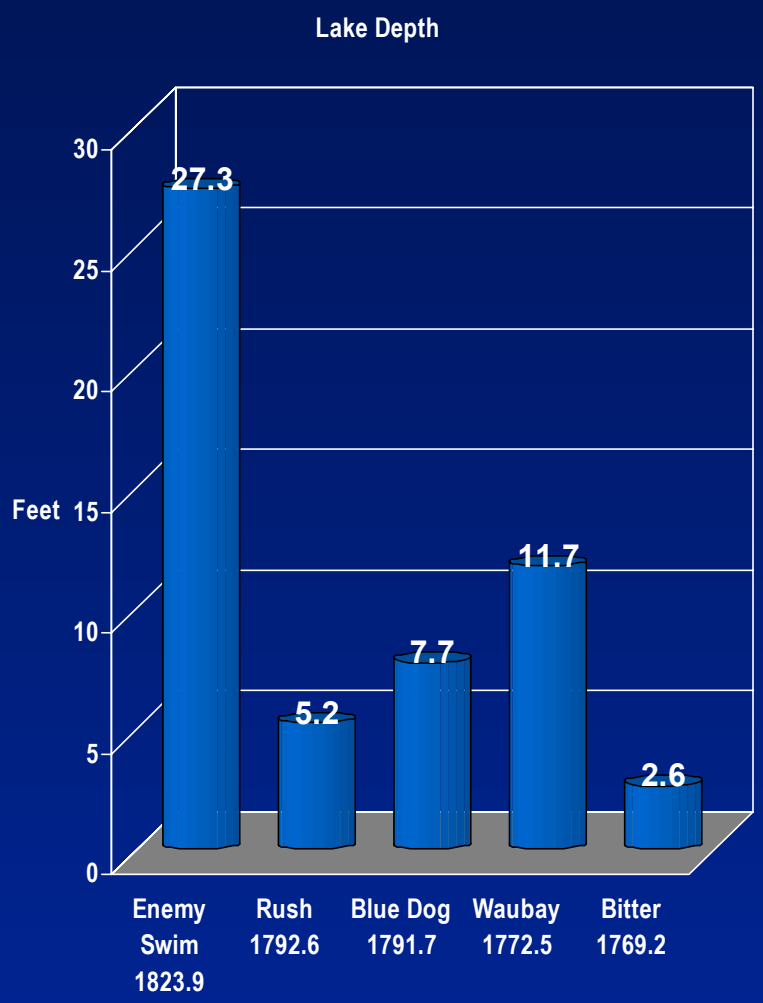

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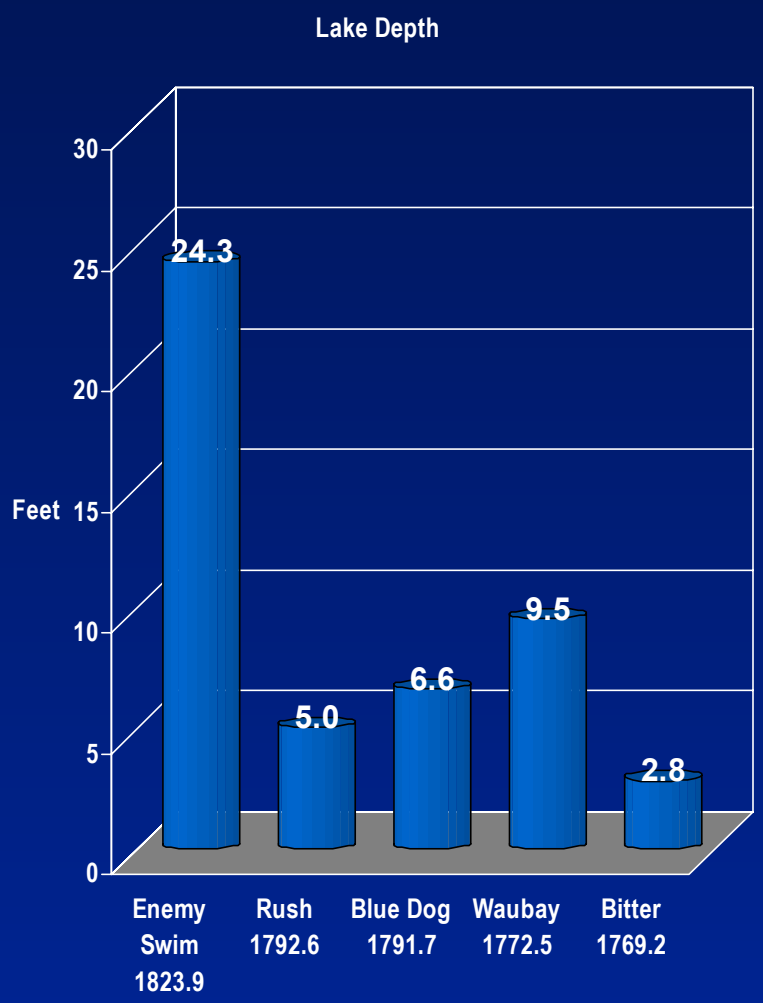

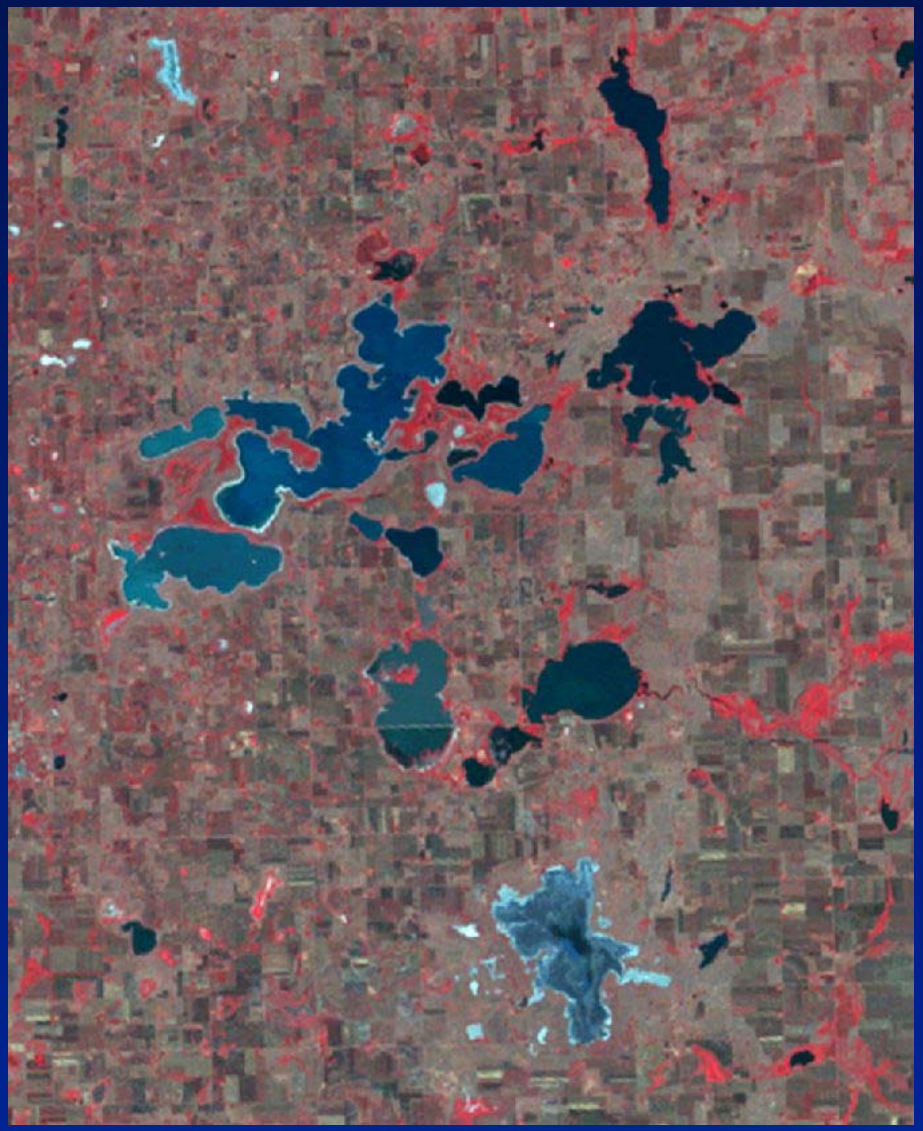

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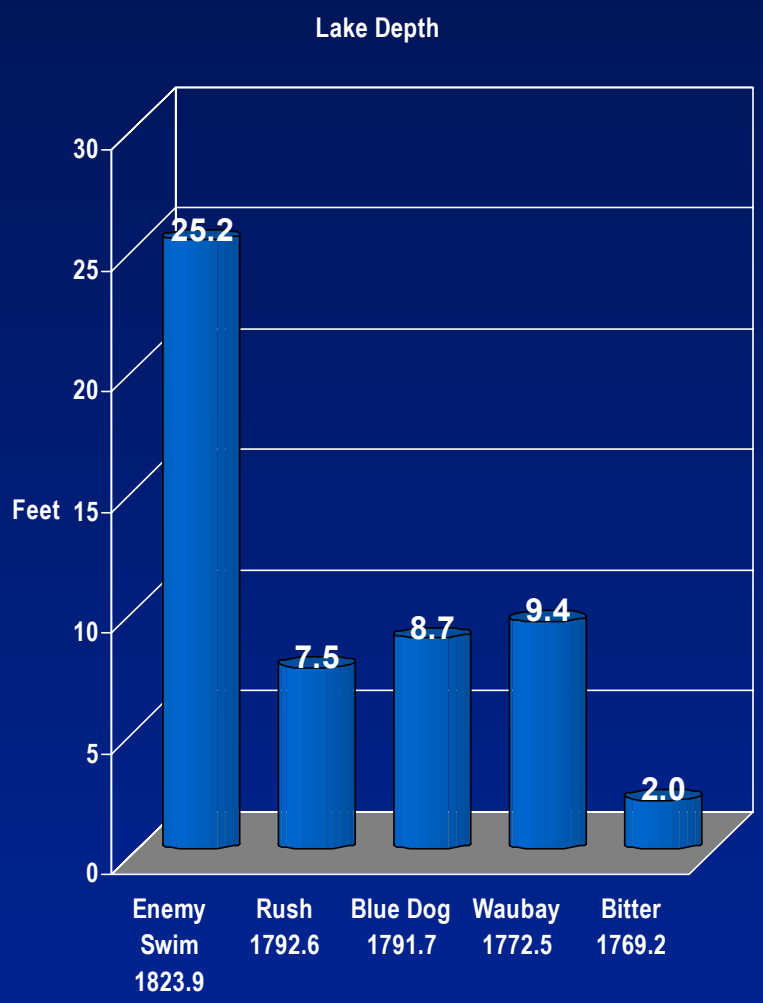

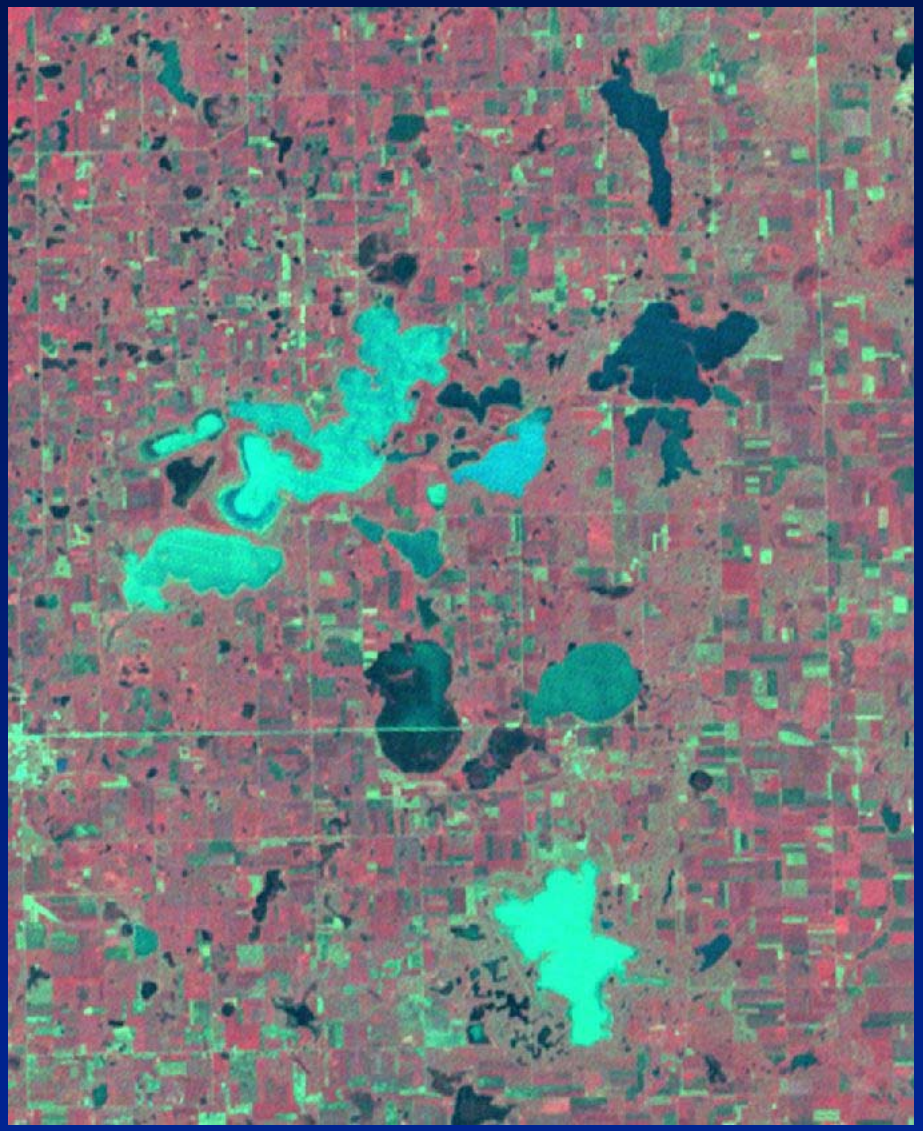

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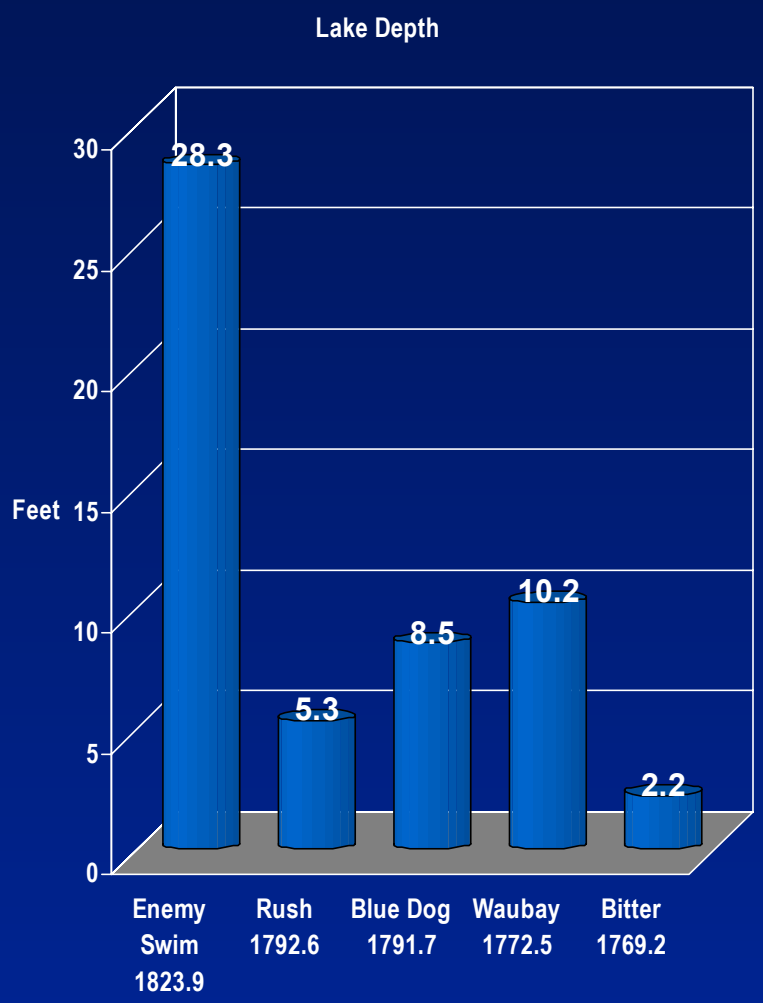

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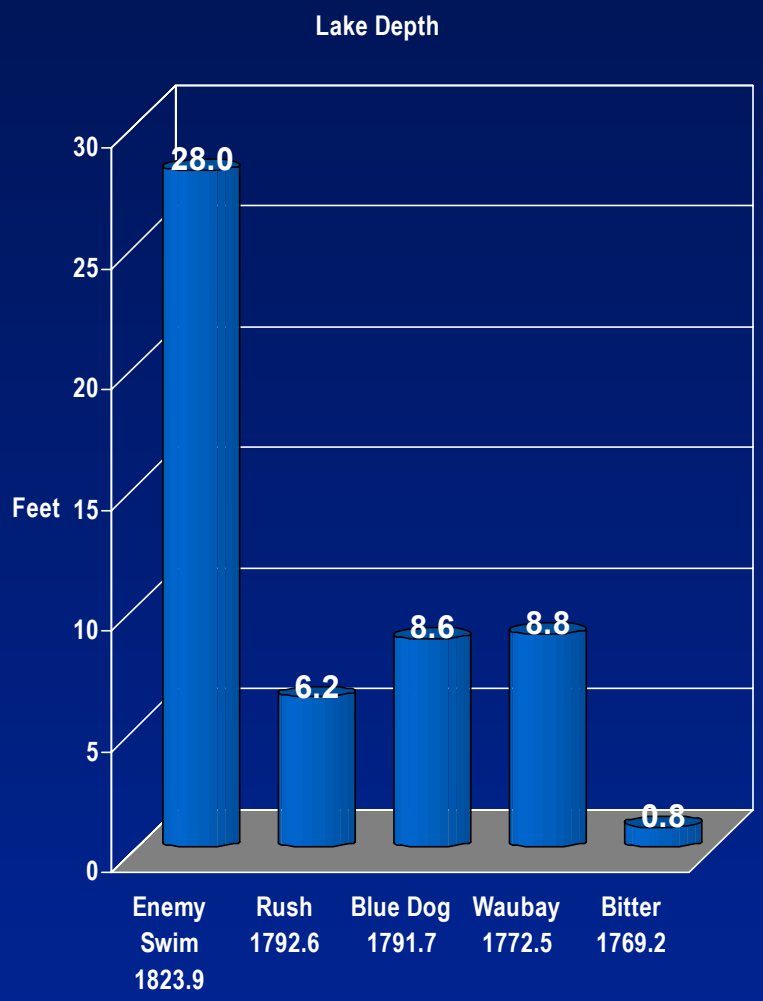

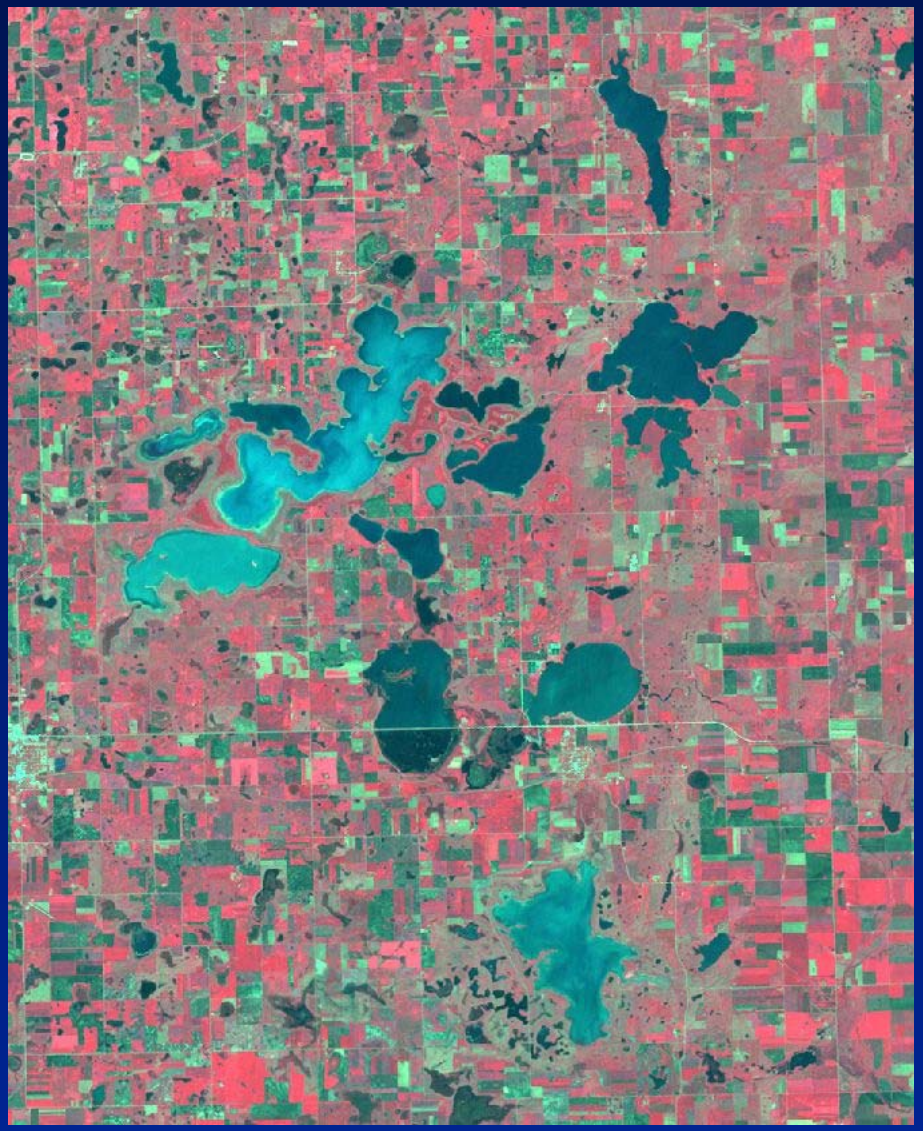

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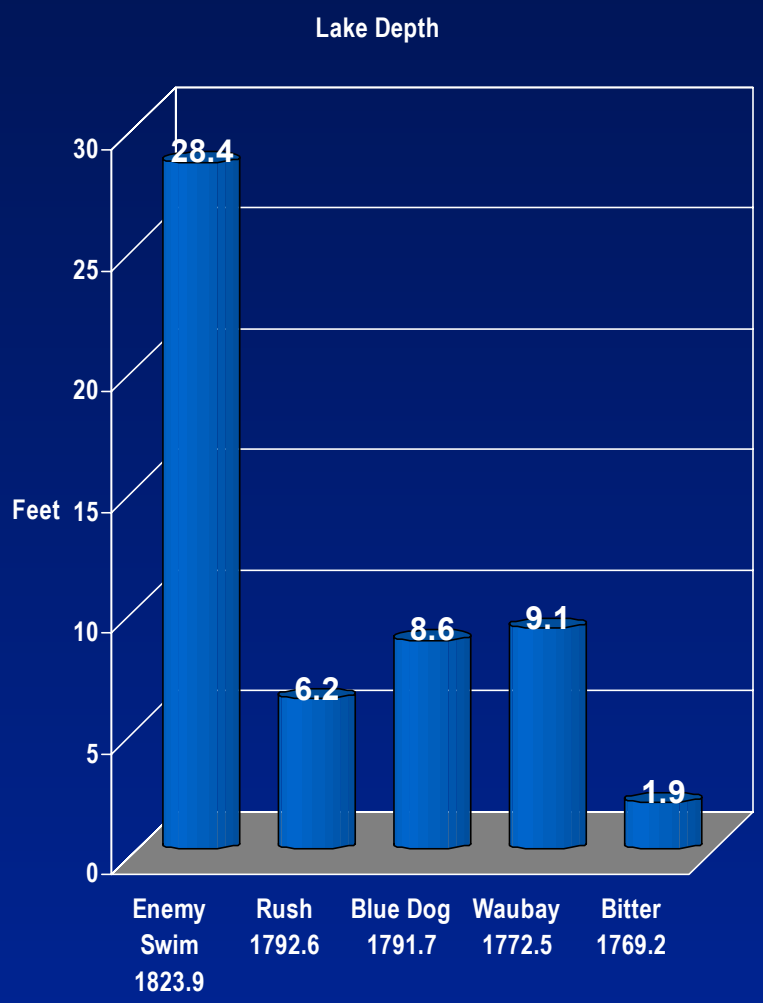

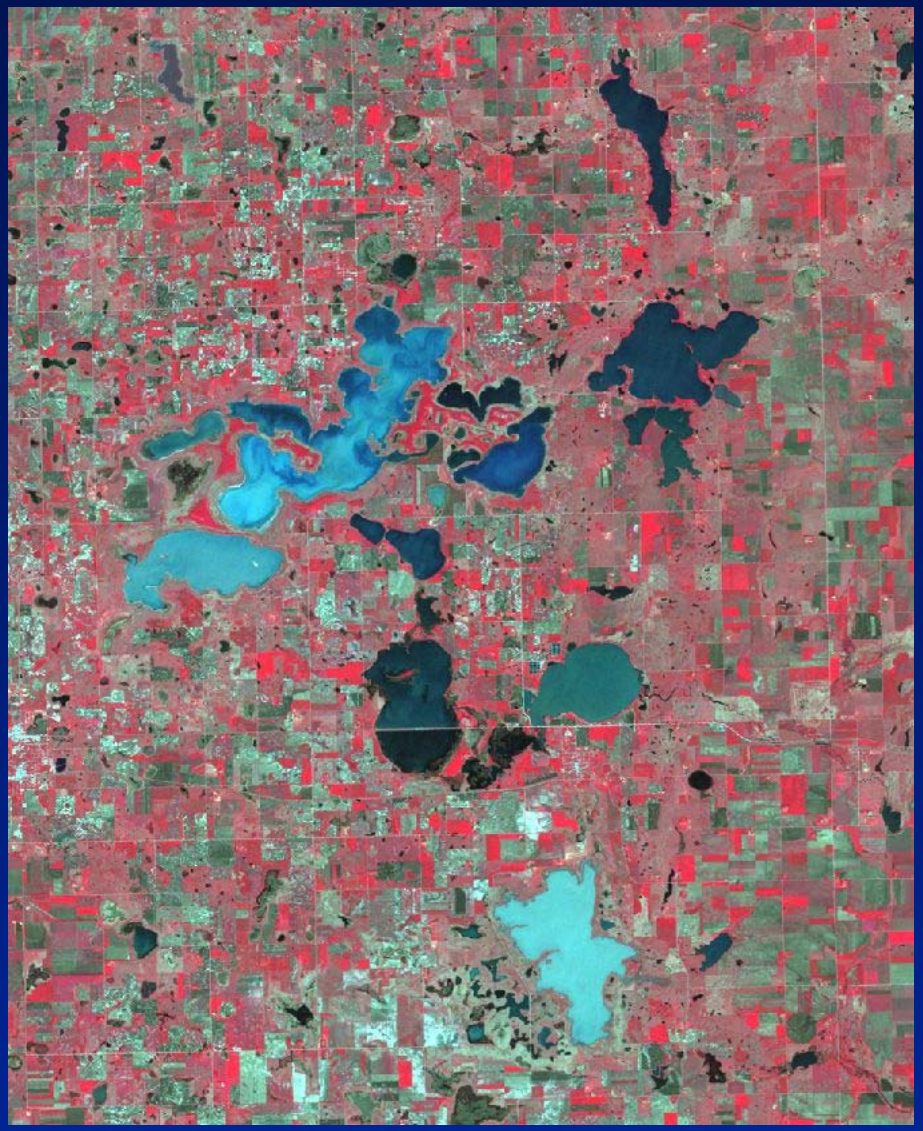

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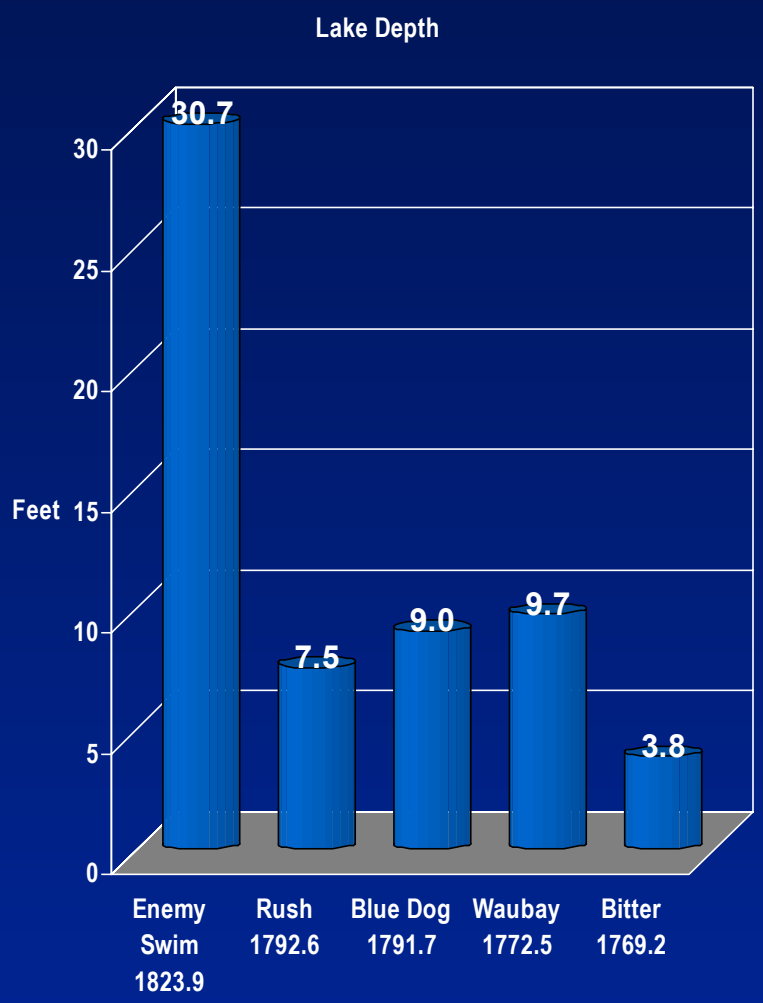

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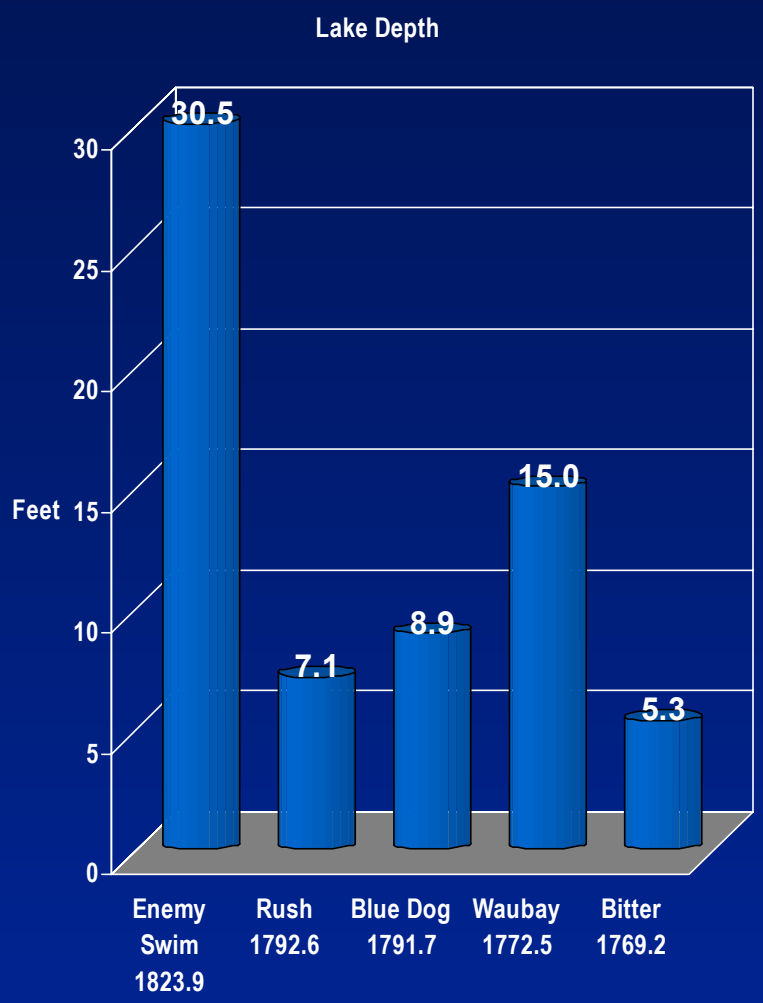

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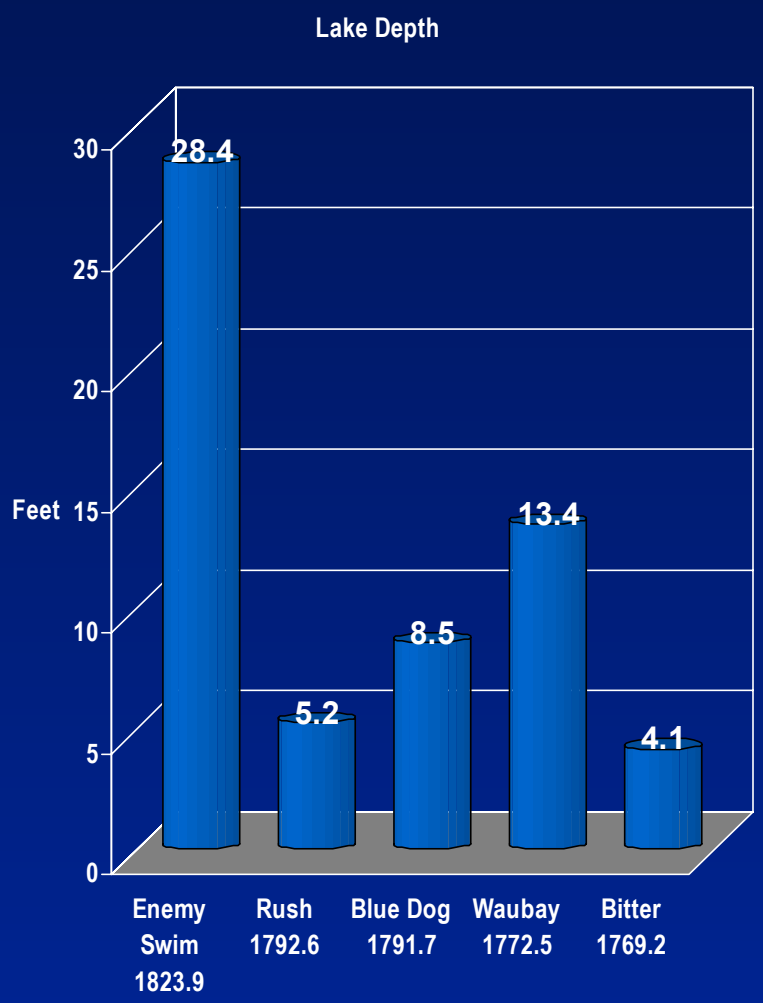

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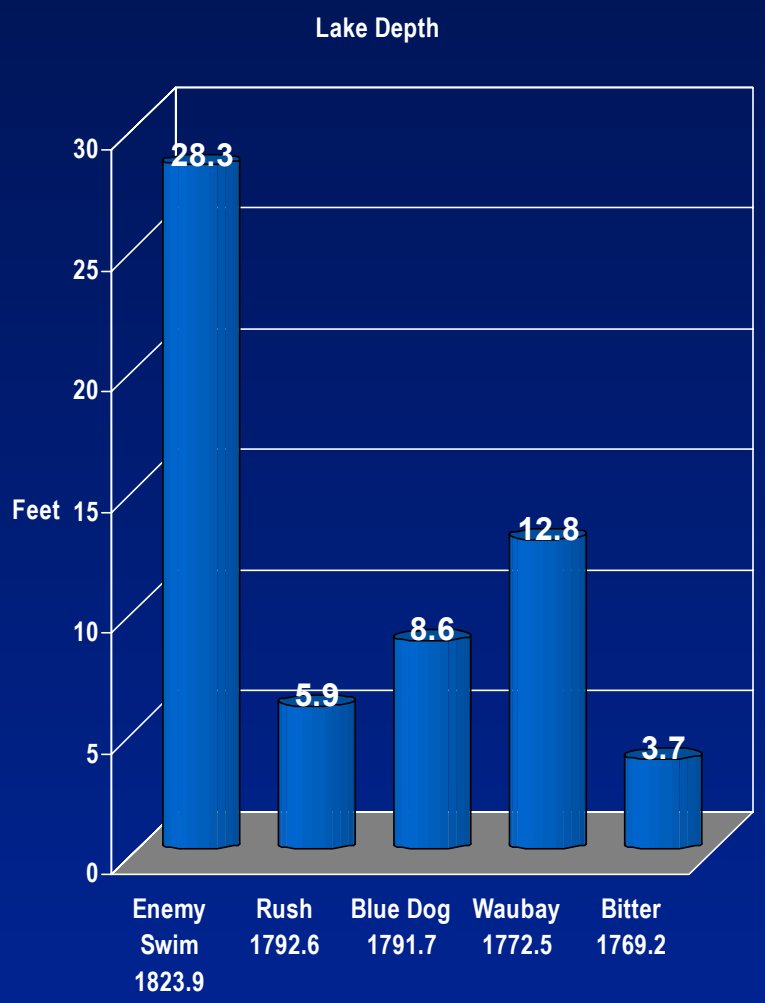

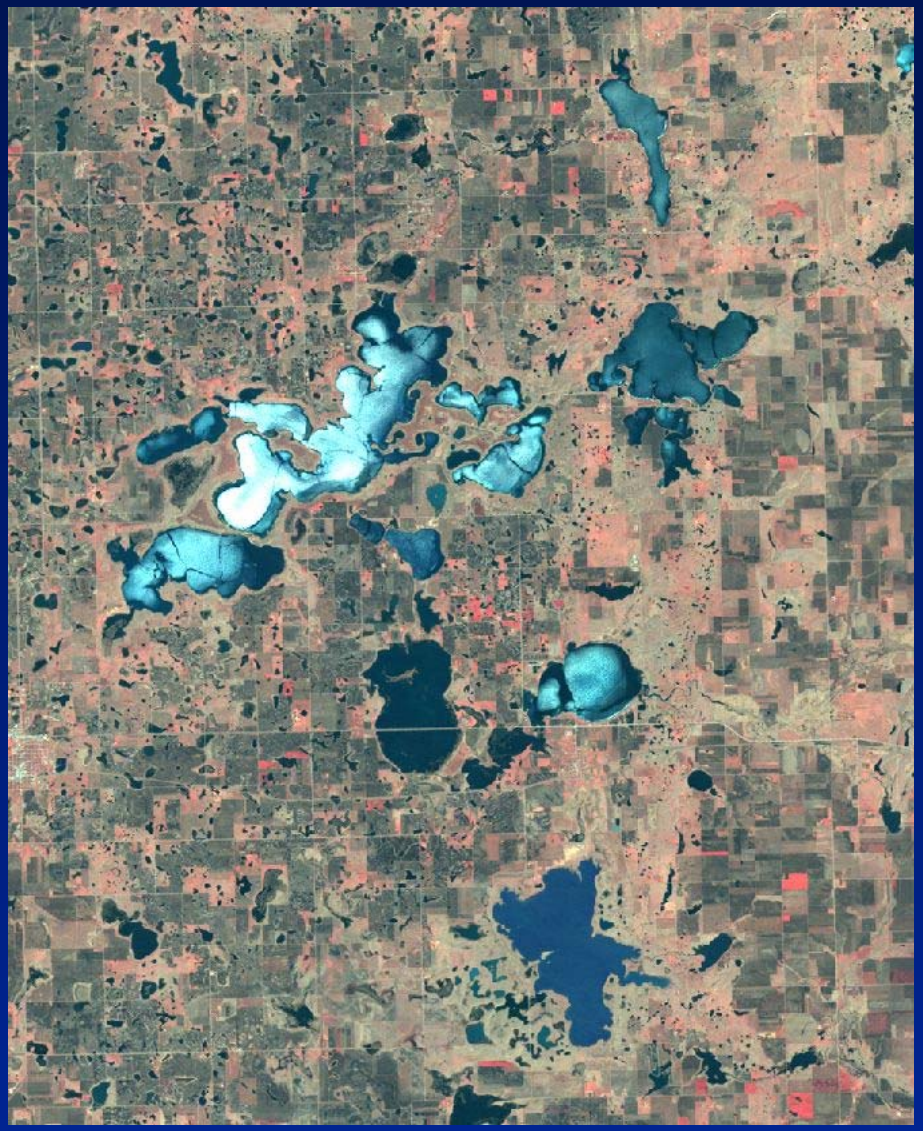

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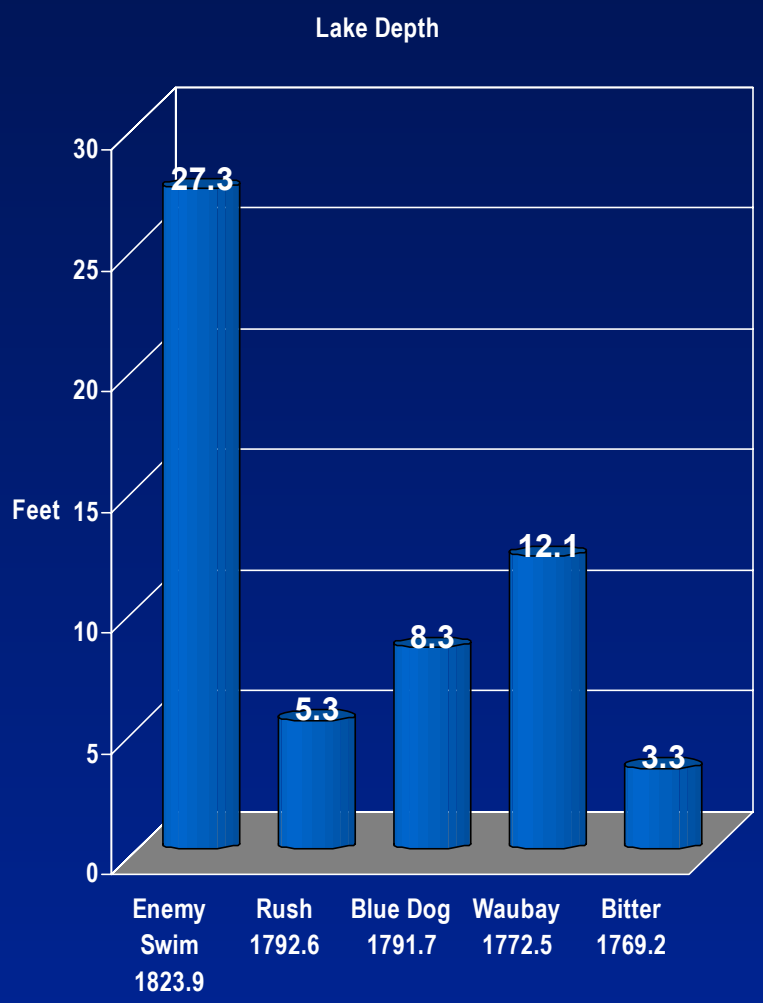

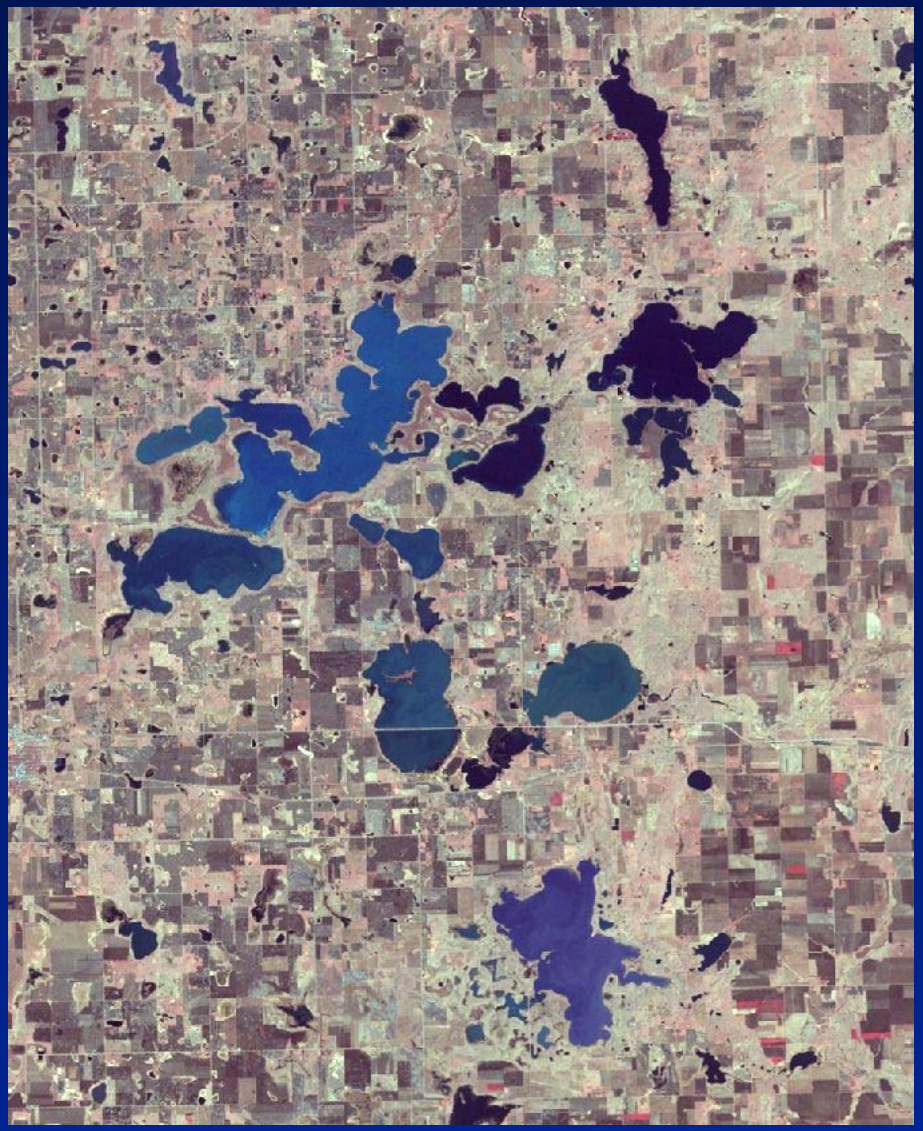

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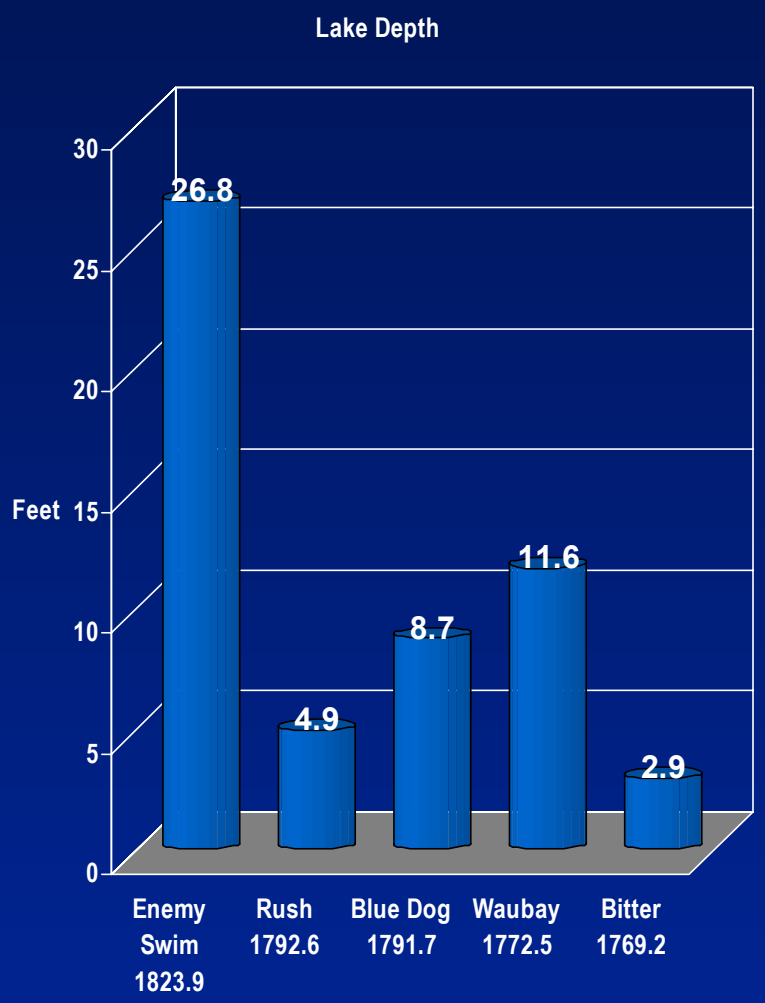

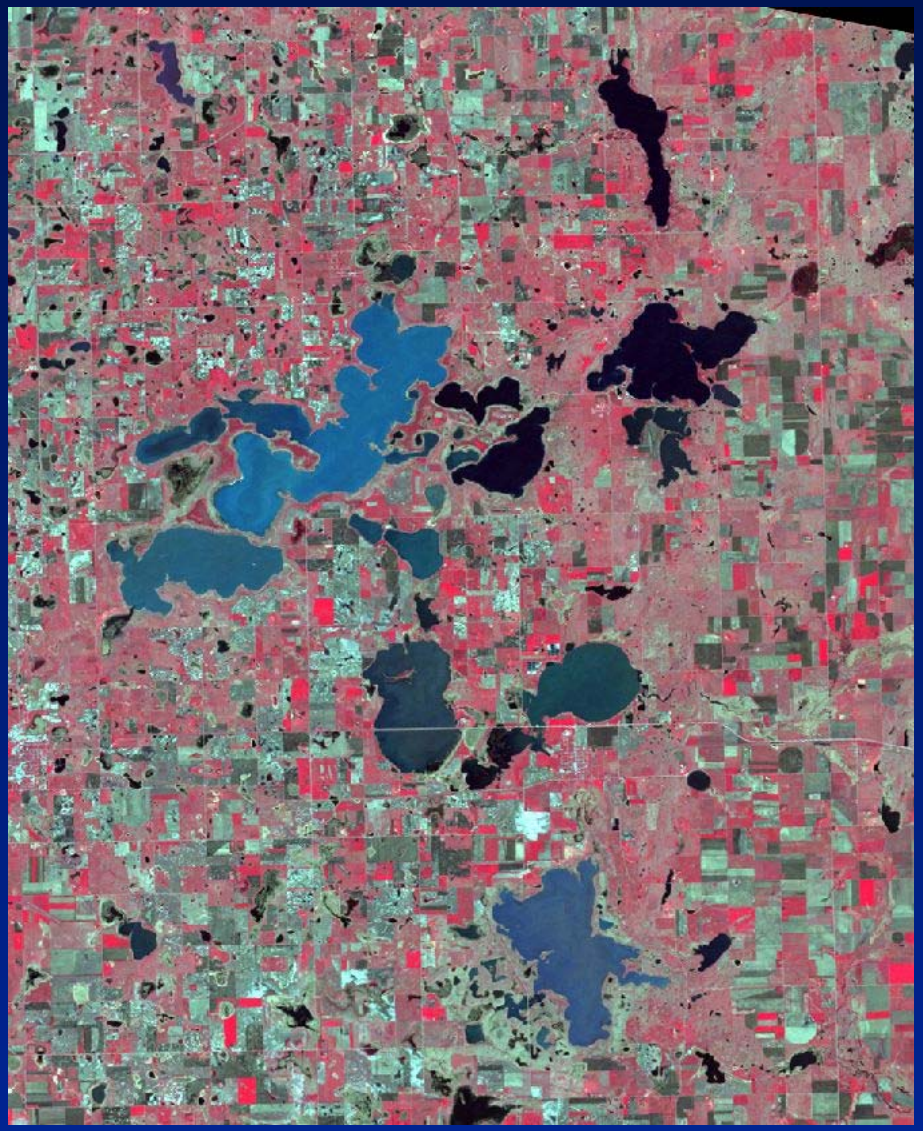

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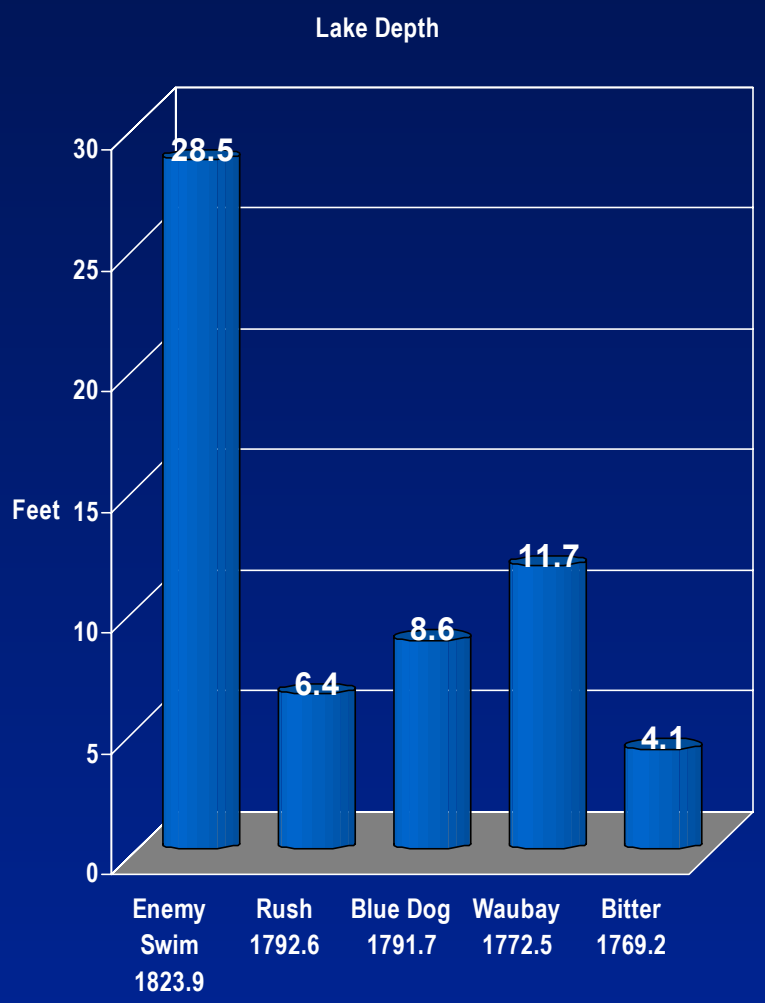

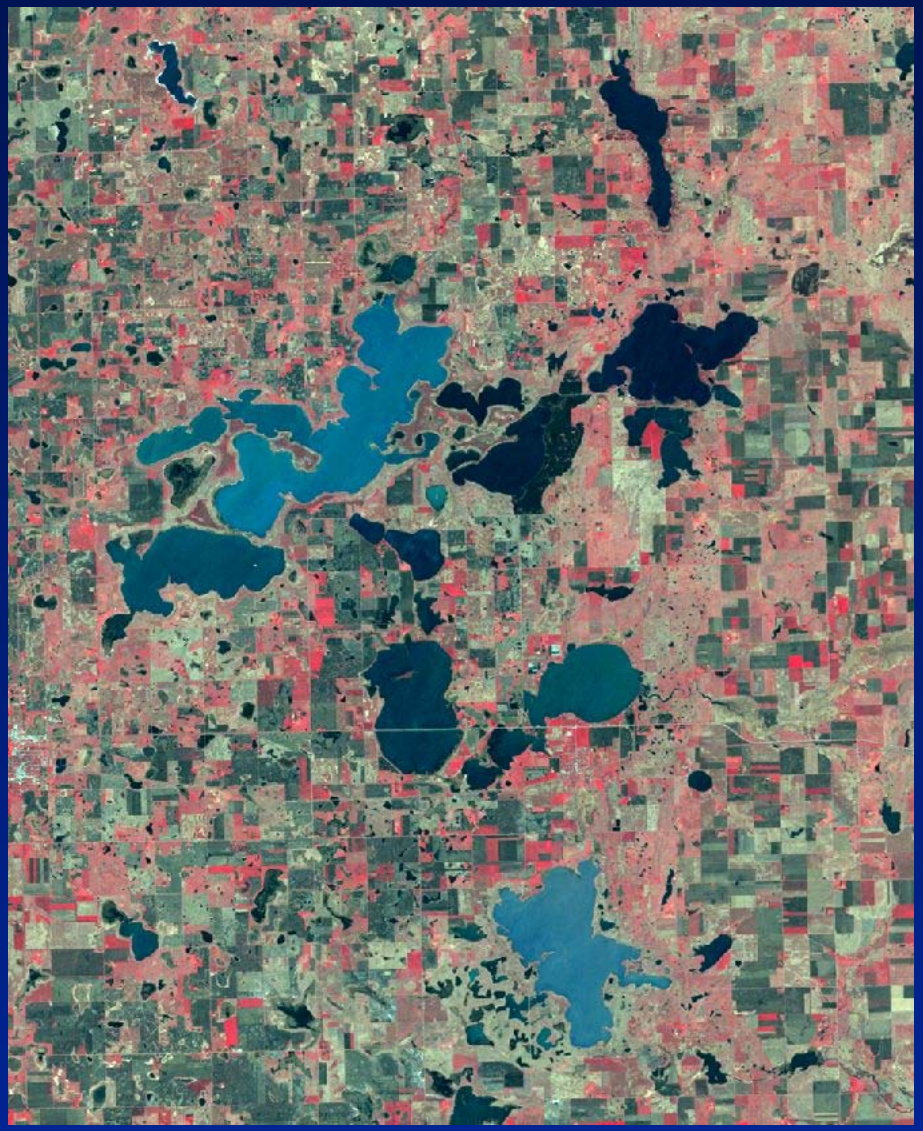

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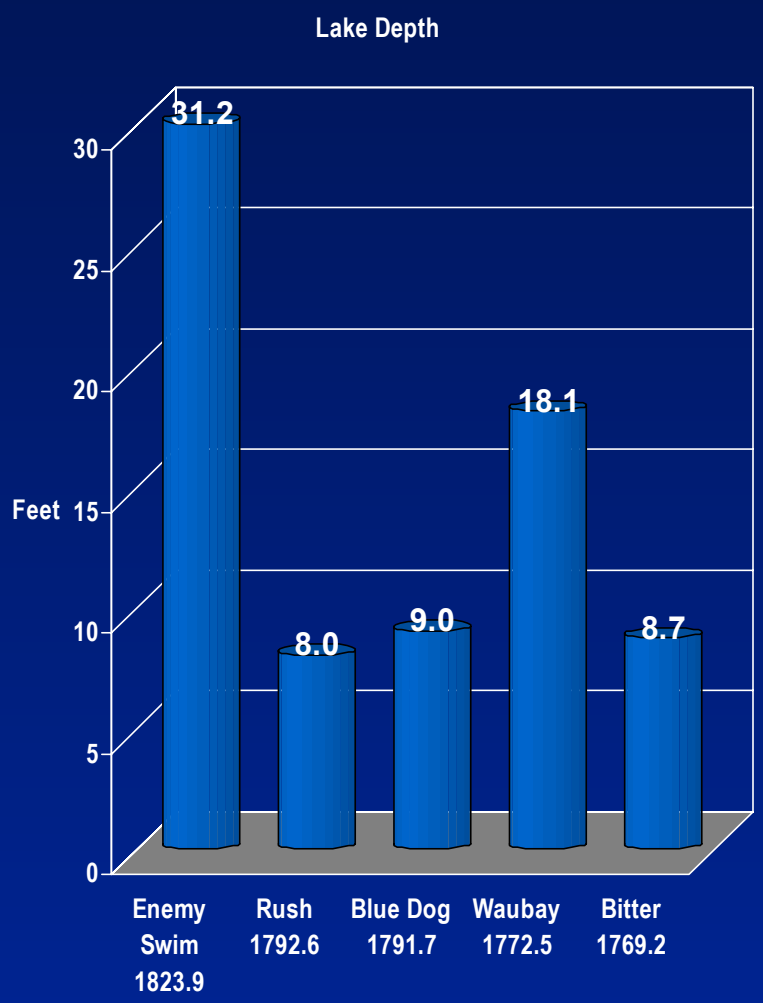

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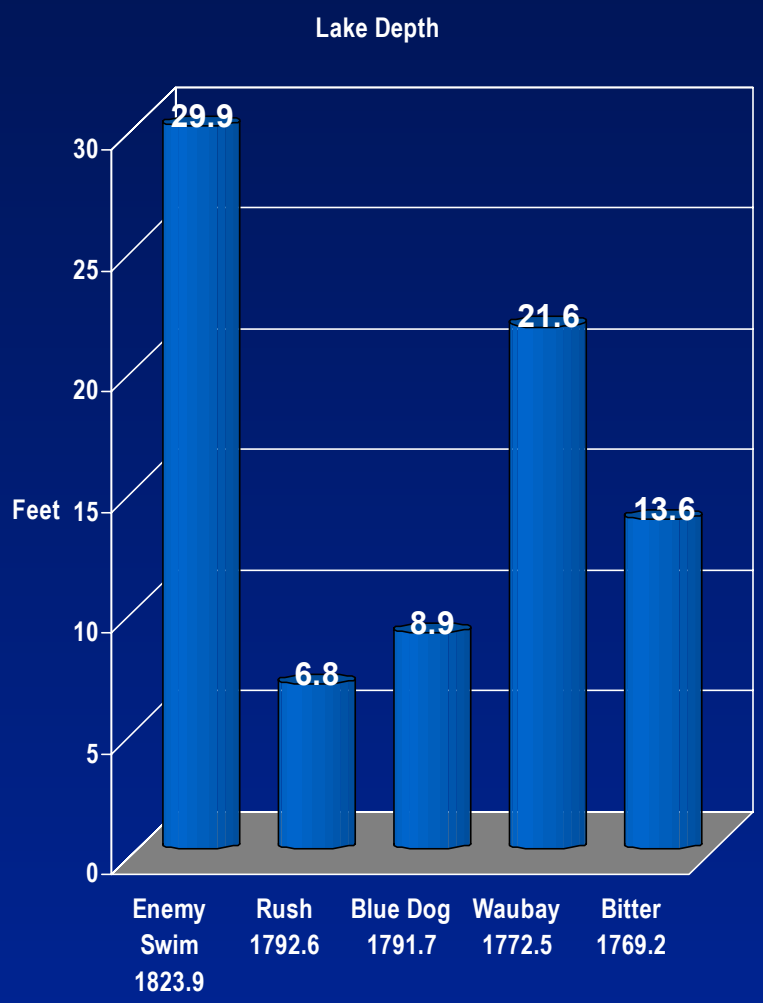

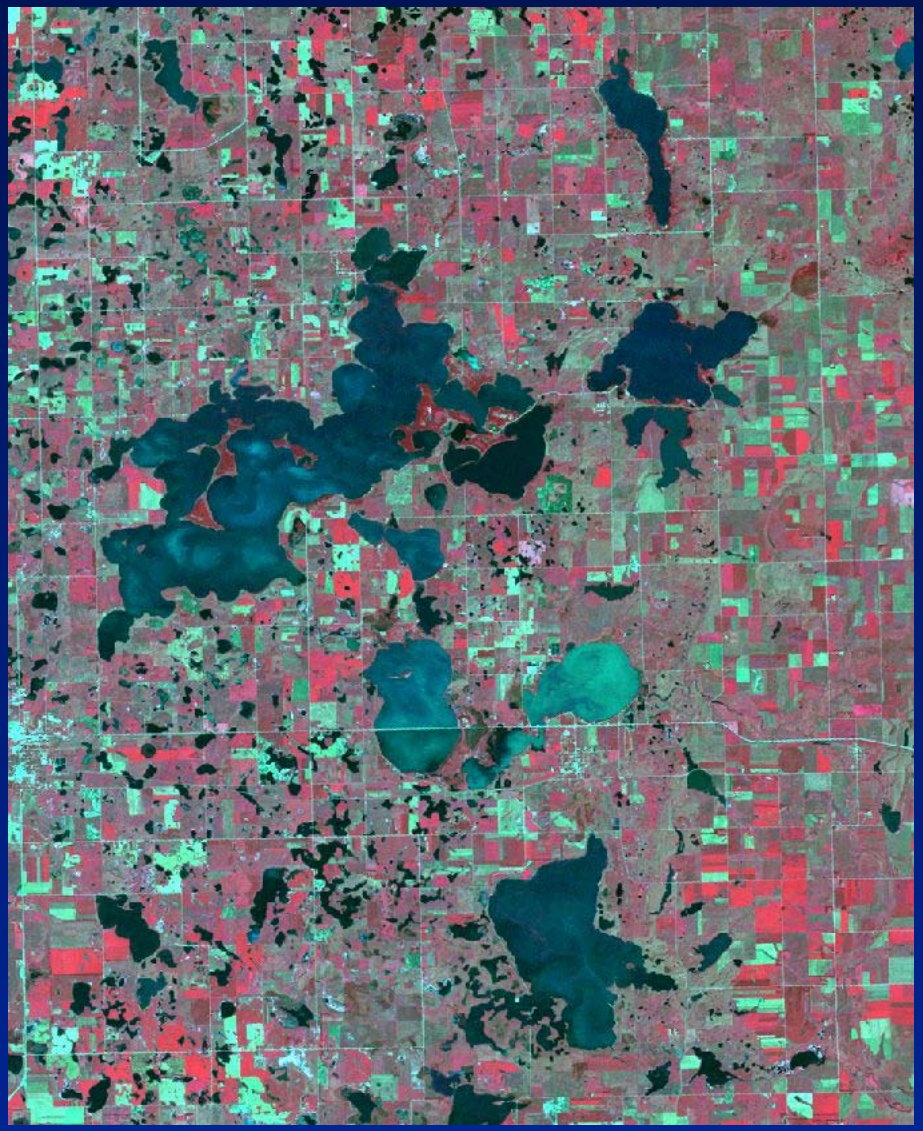

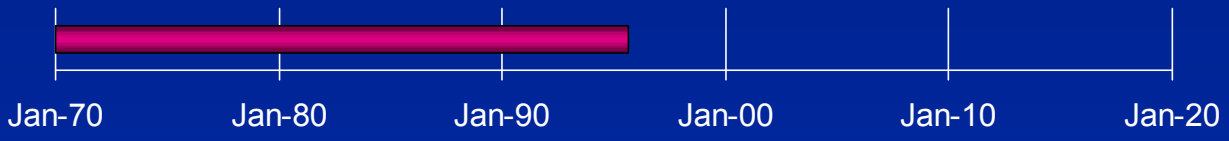

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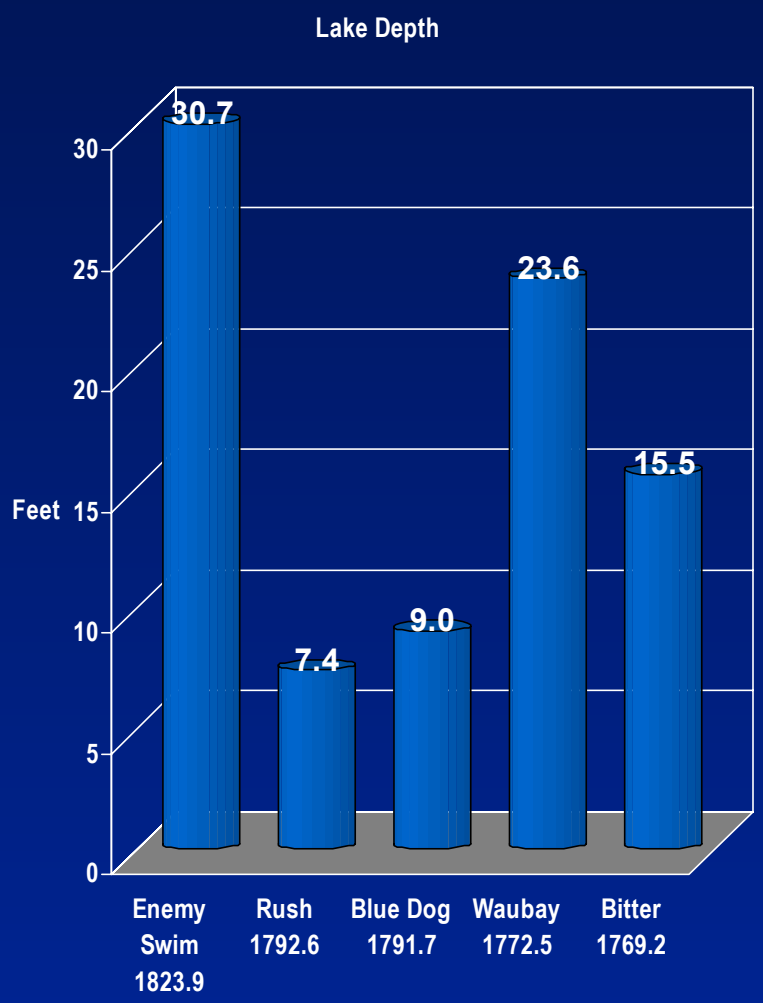

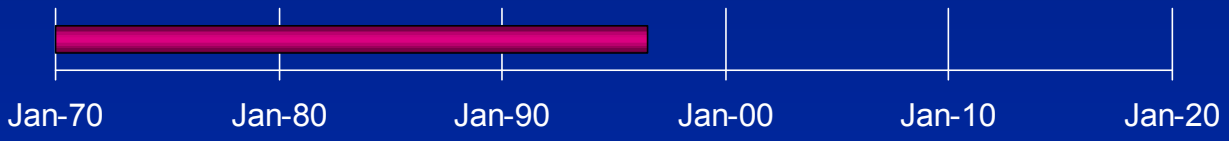

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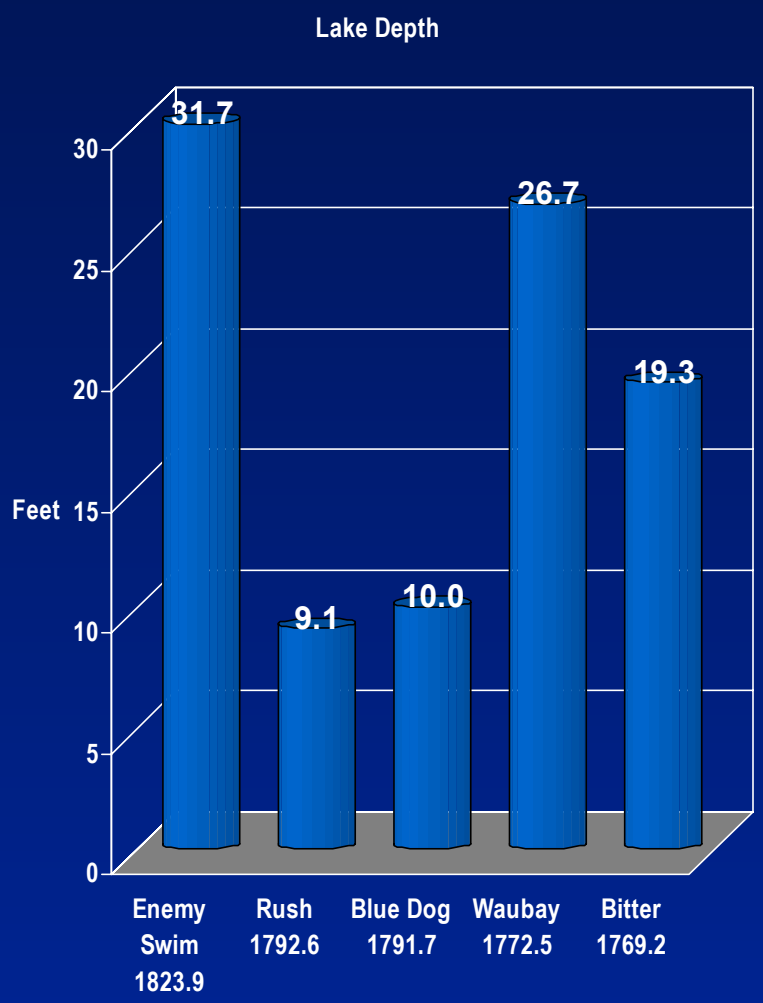

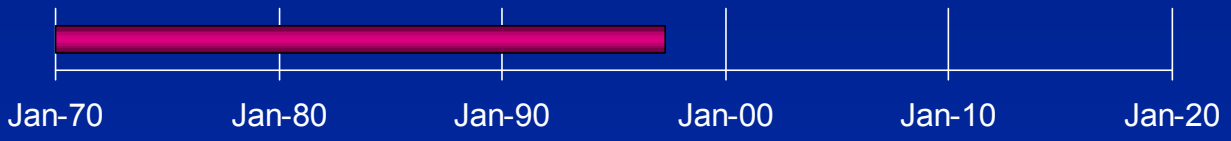

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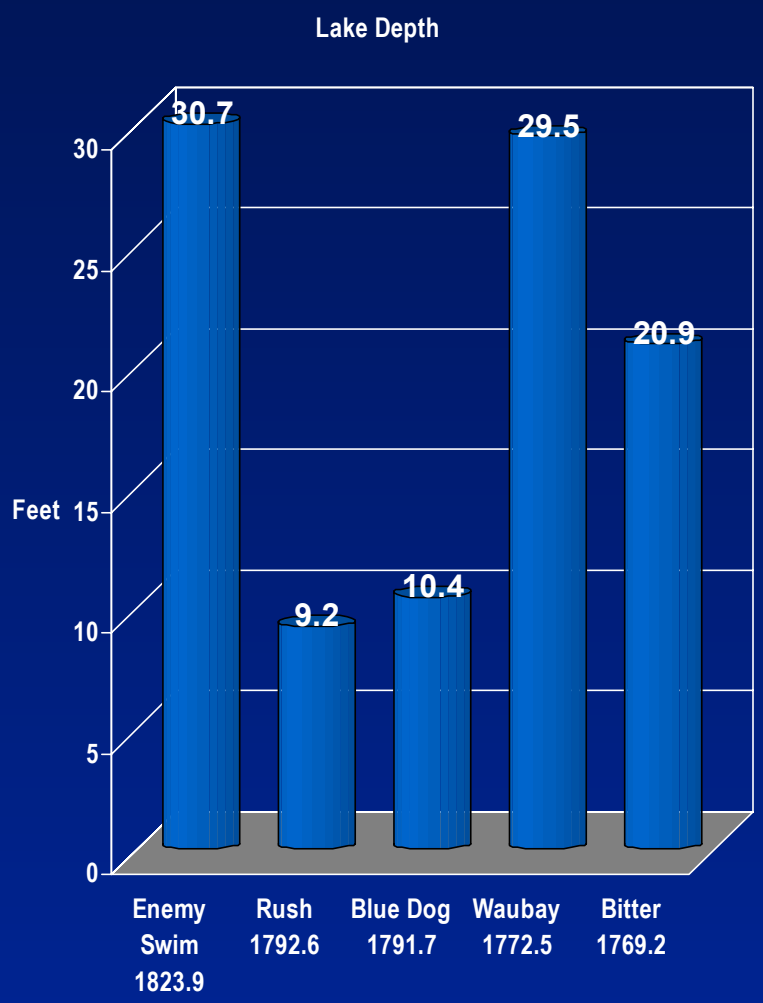

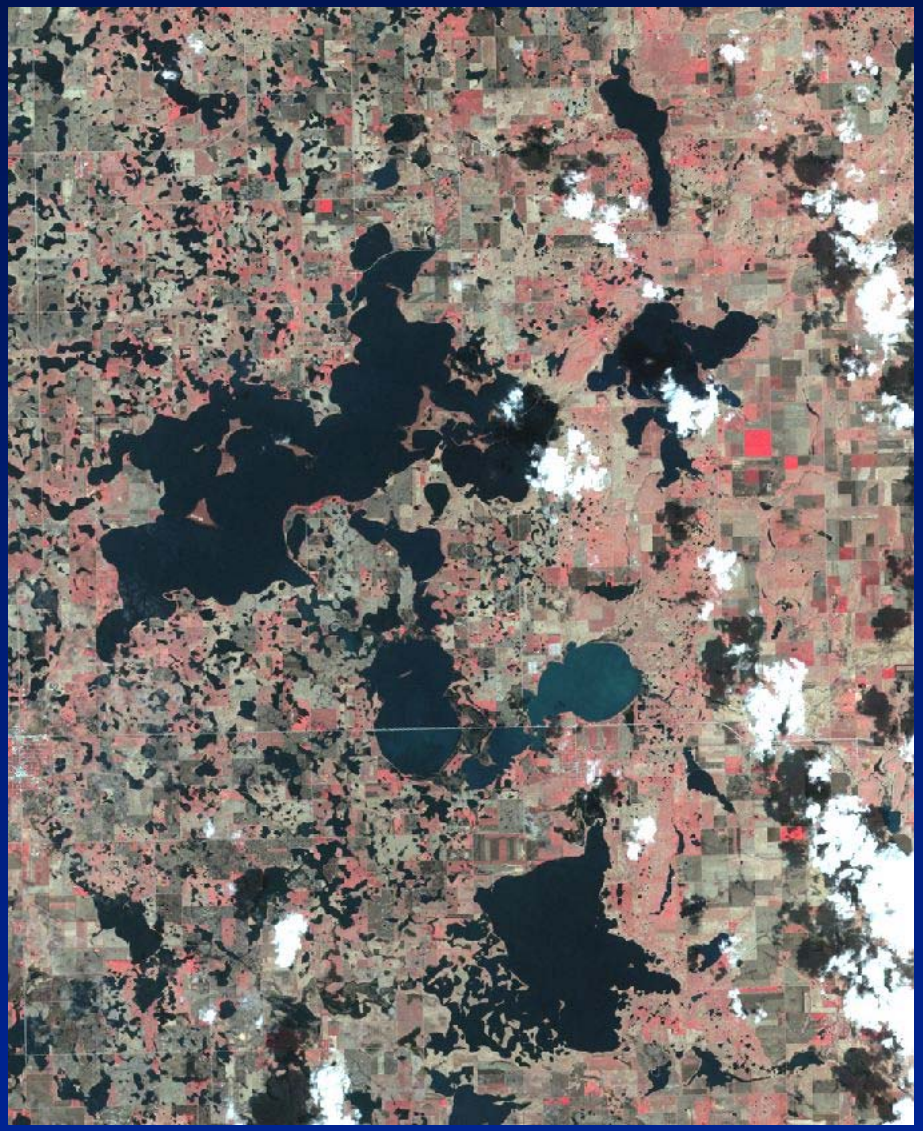

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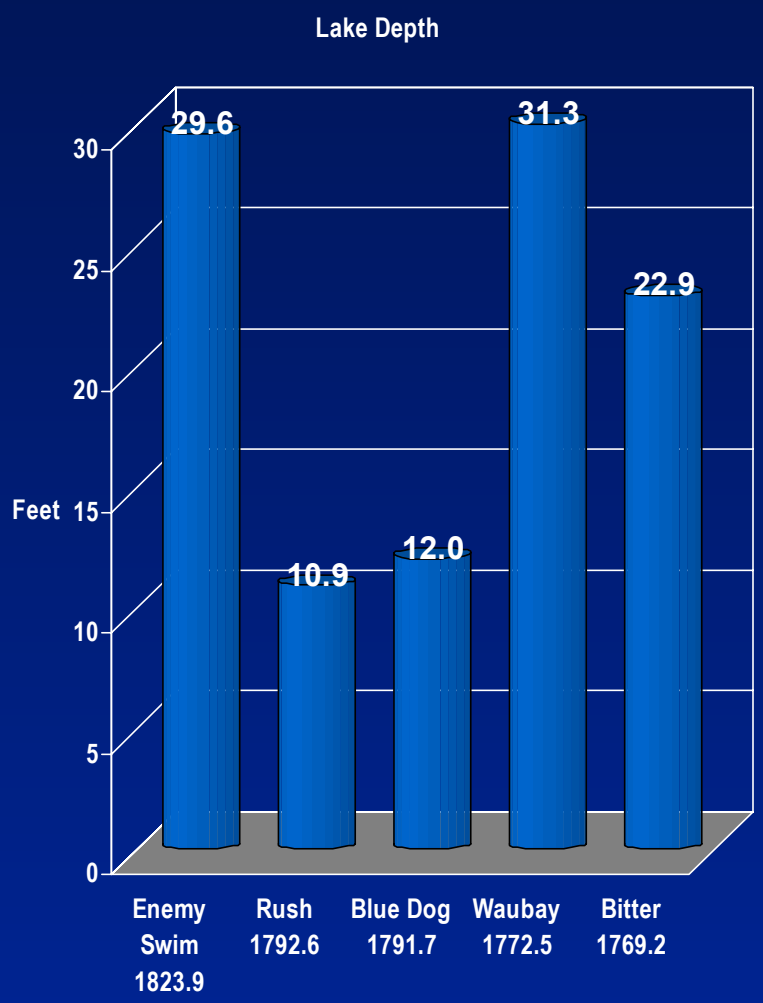
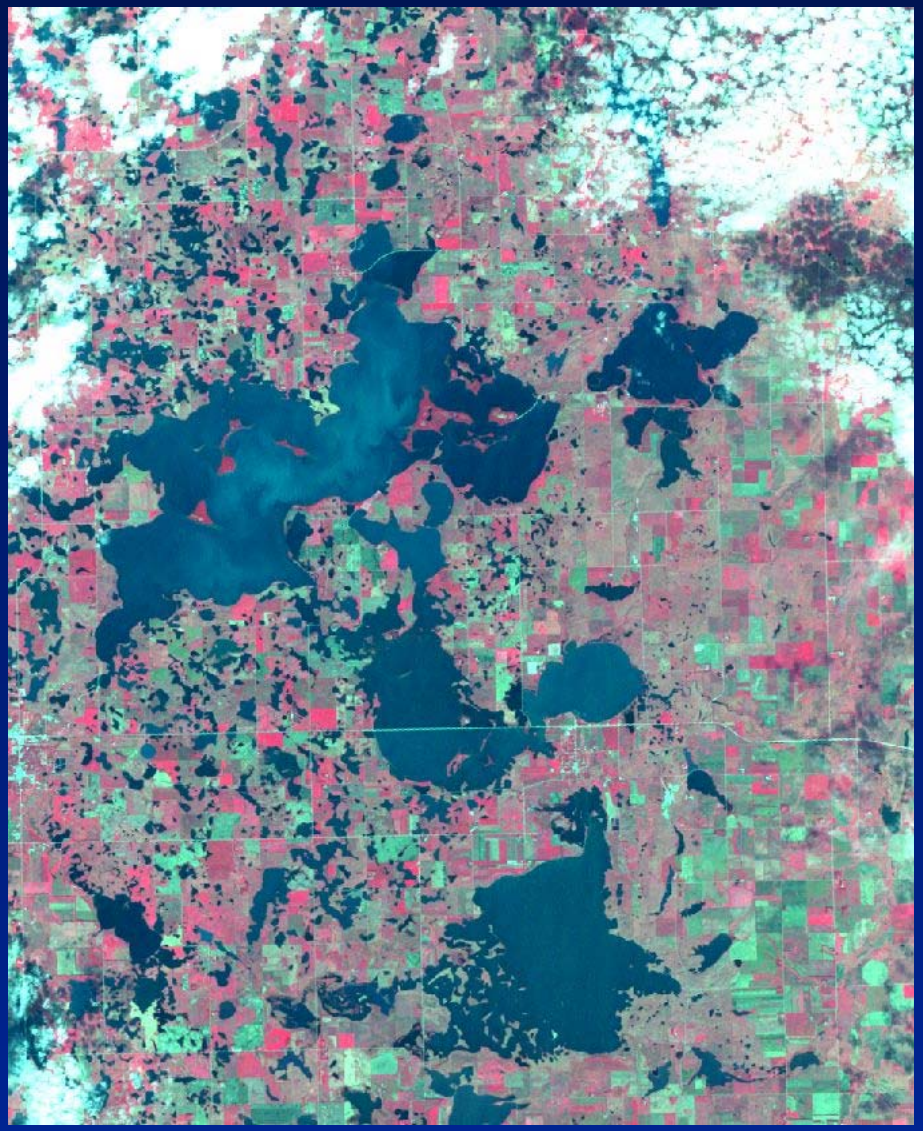
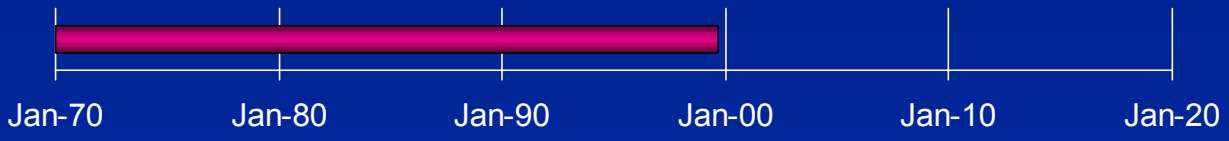






USGS

Waubay Chain of Lakes

Future Lake Levels 1999-2015

- model results shown on shaded relief topography -

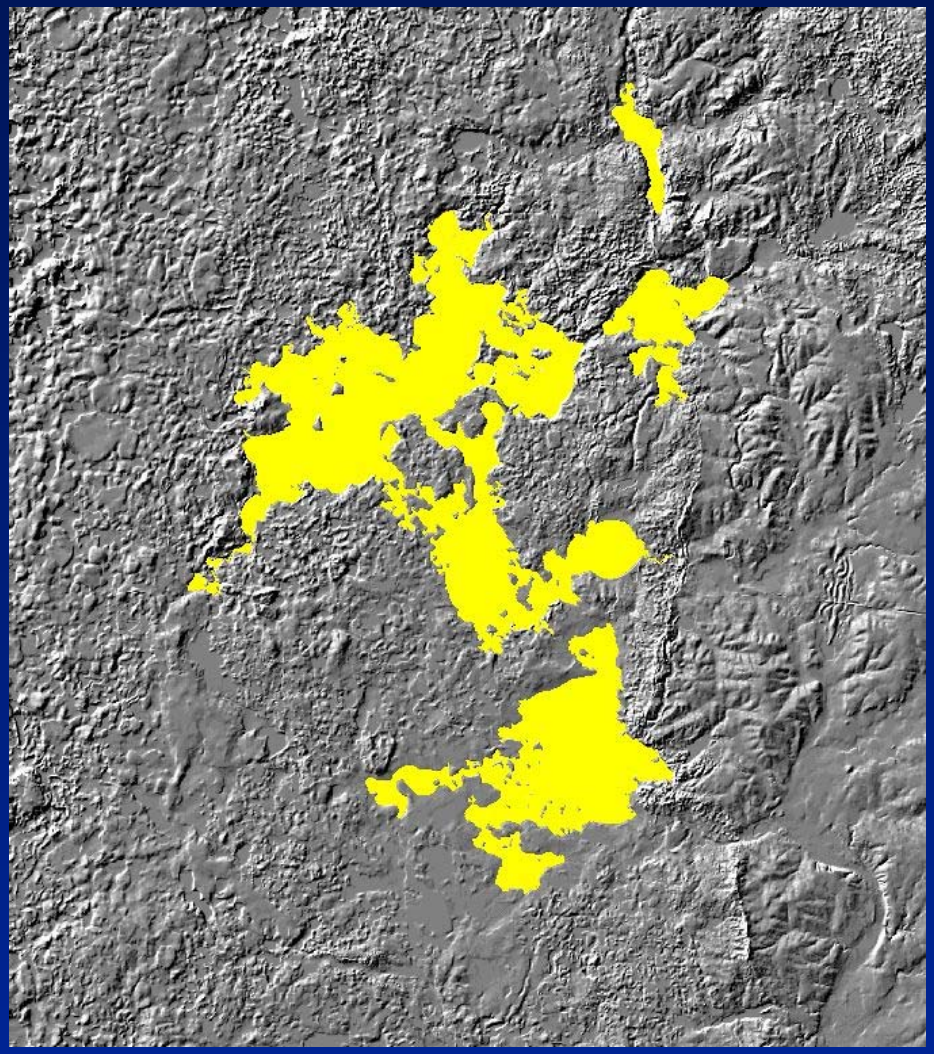
http://gisdata.usgs.gov/nesdflood

U.S. Department of the Interior
U.S. Geological Survey

This slide shows an elevation contour at 540.5 m that was derived from the digital elevation model (DEM). The DEM has a 10 meter horizontal posting interval (cell size). This contour value corresponds to the lake level on the date of a Landsat overpass. To the extent they agree in defining the shoreline, the DEM can be shown to be useful in delineating lake perimeters at actual as well as predicted elevations.

USGS

October 1999



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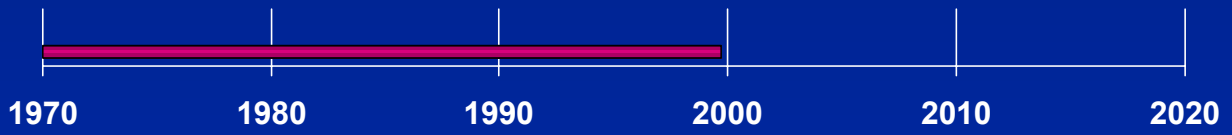

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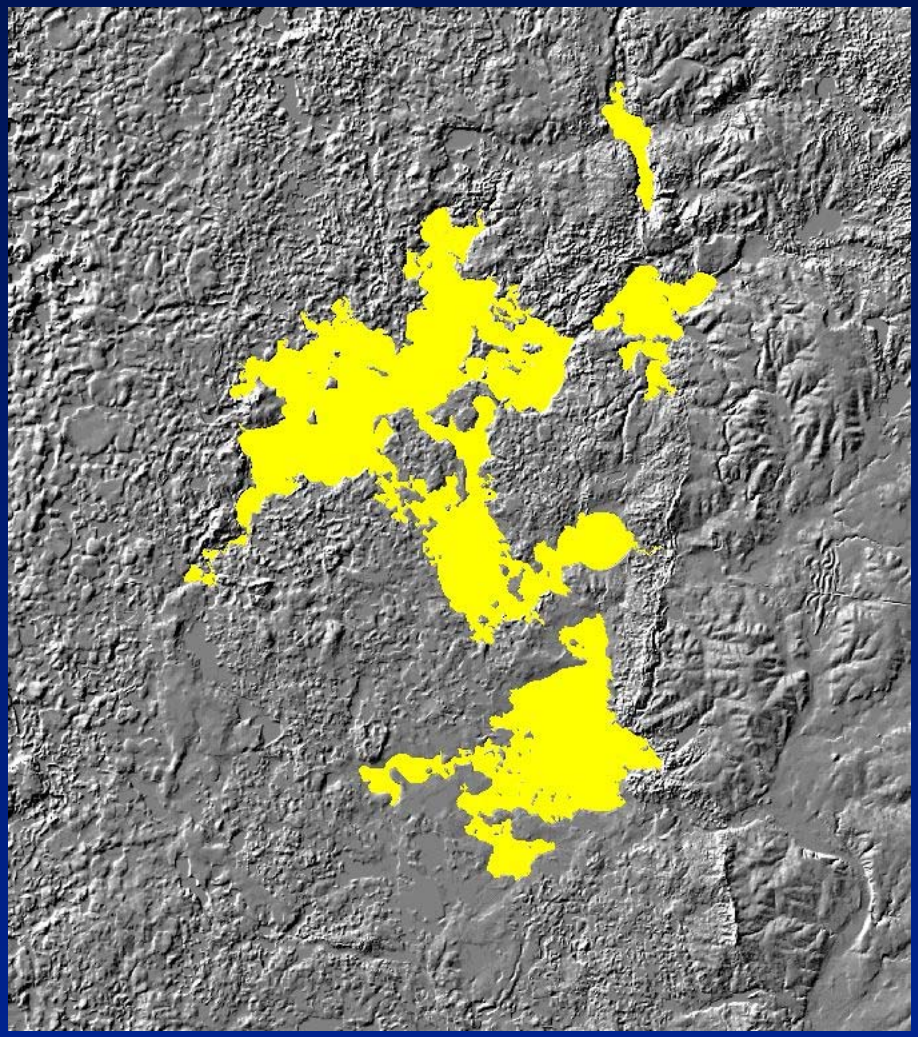

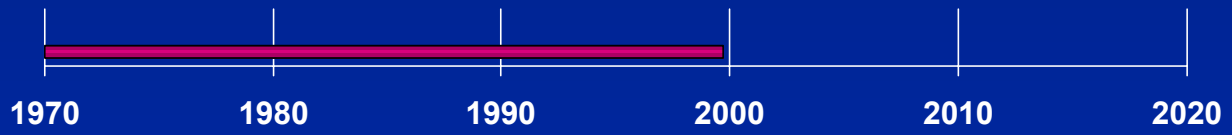

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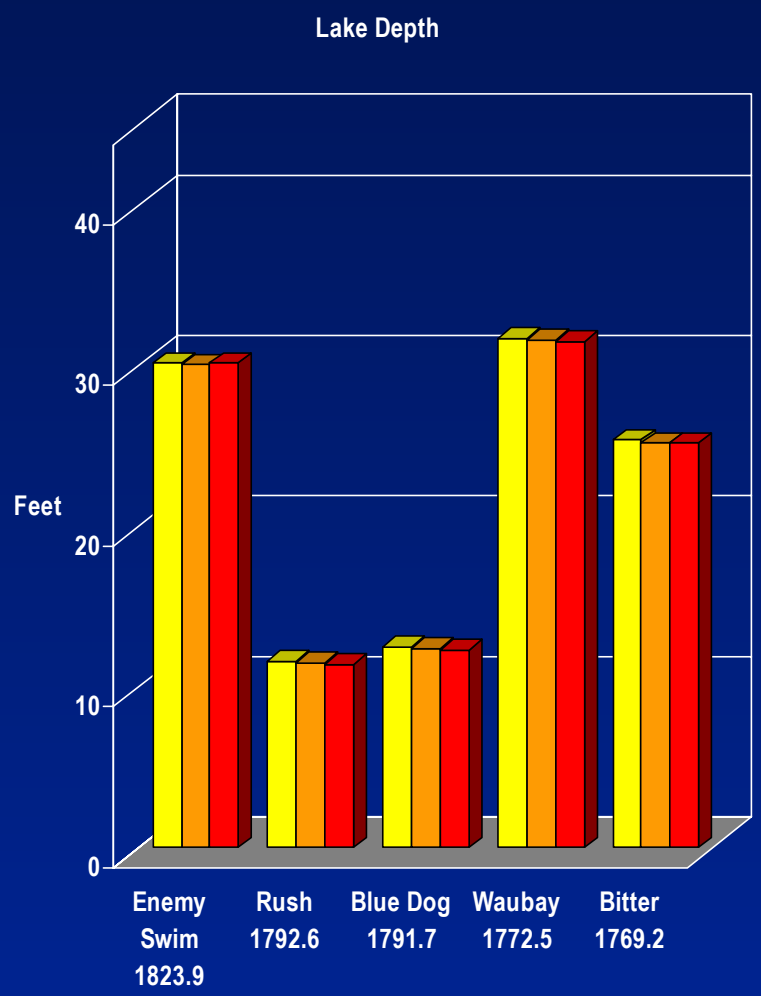
Lake Depth
Feet
40
30
20
10
0
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Blue Dog 1791.7
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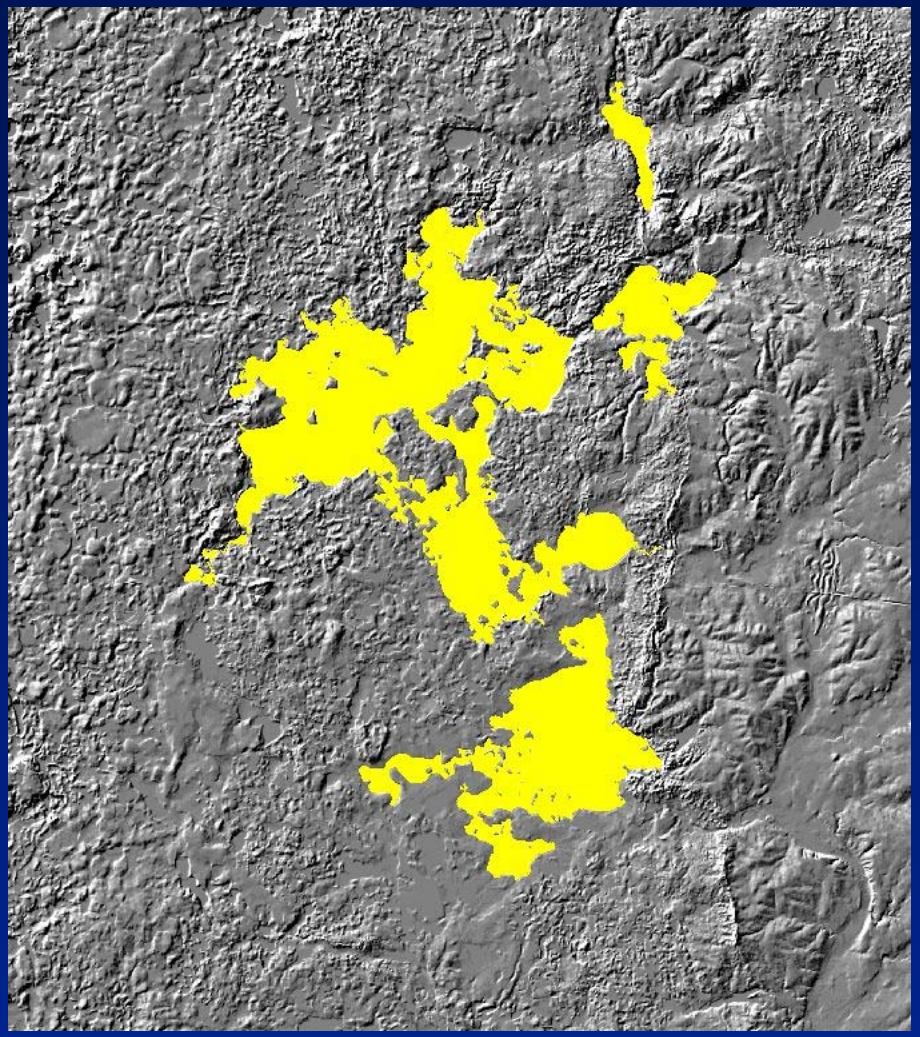

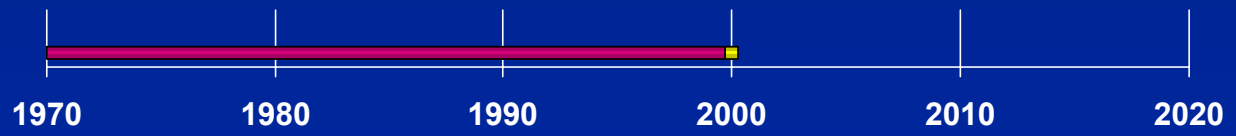
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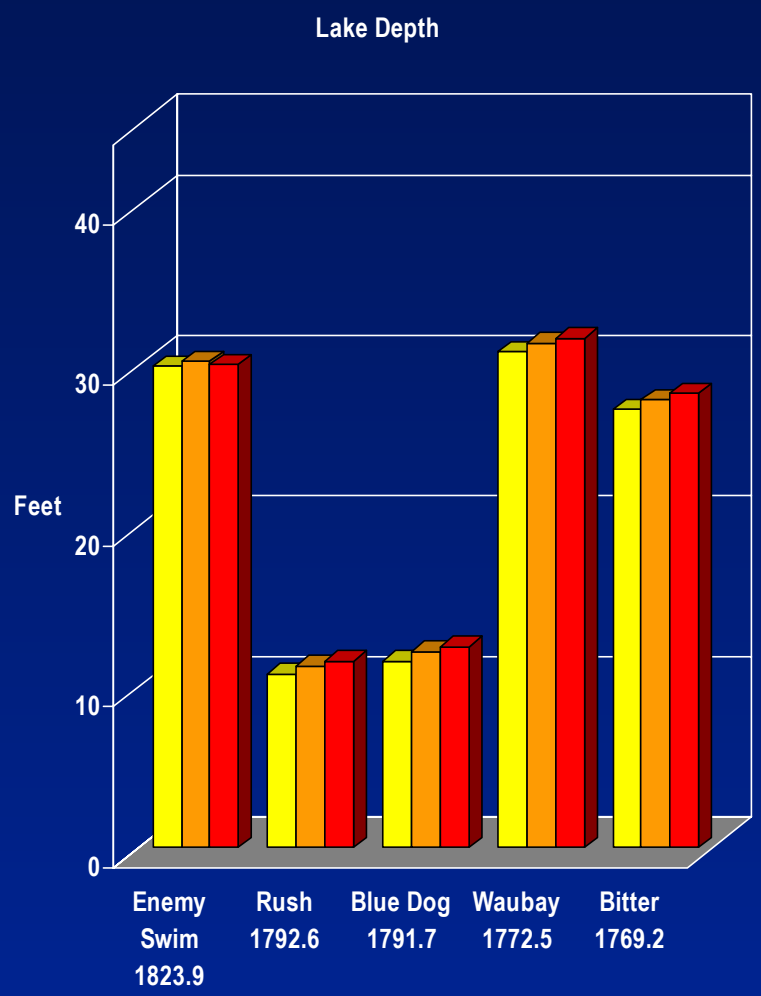
Lake Depth
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Blue Dog 1791.7
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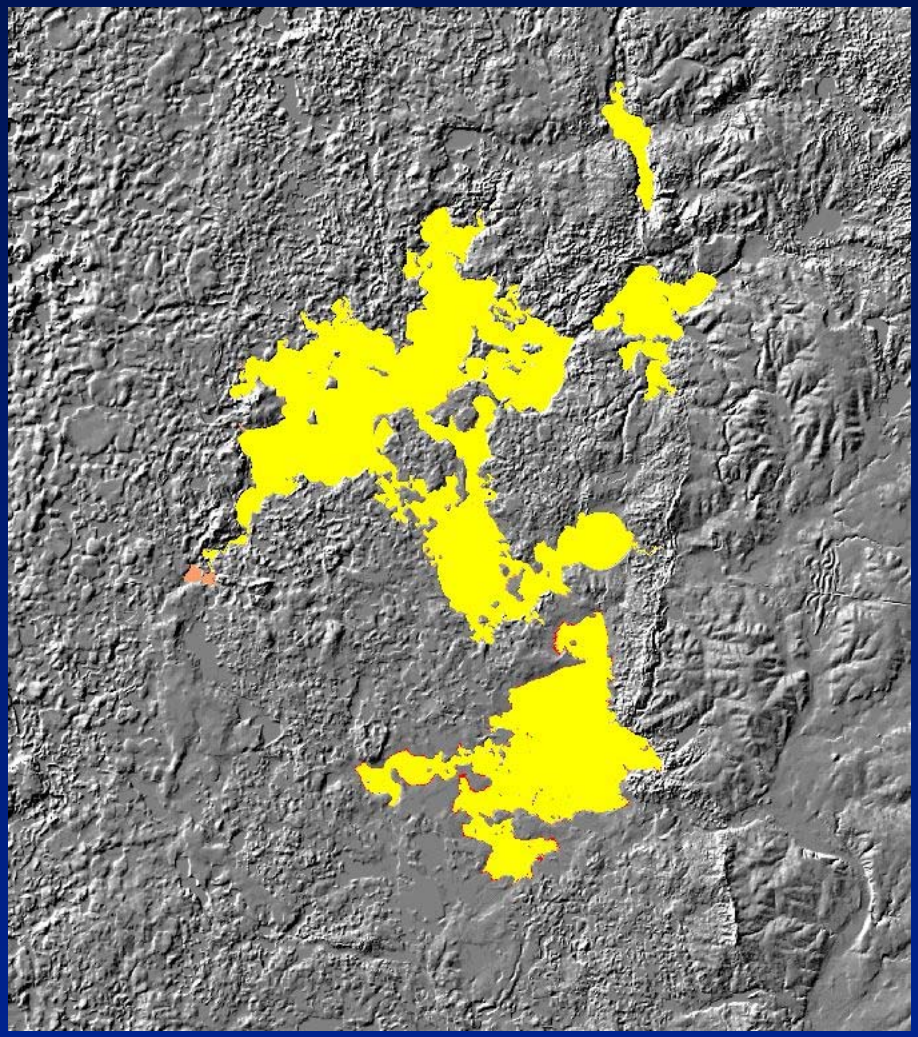

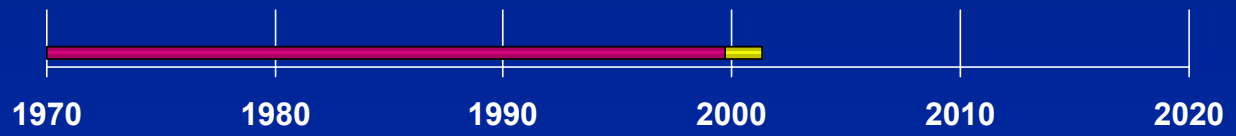
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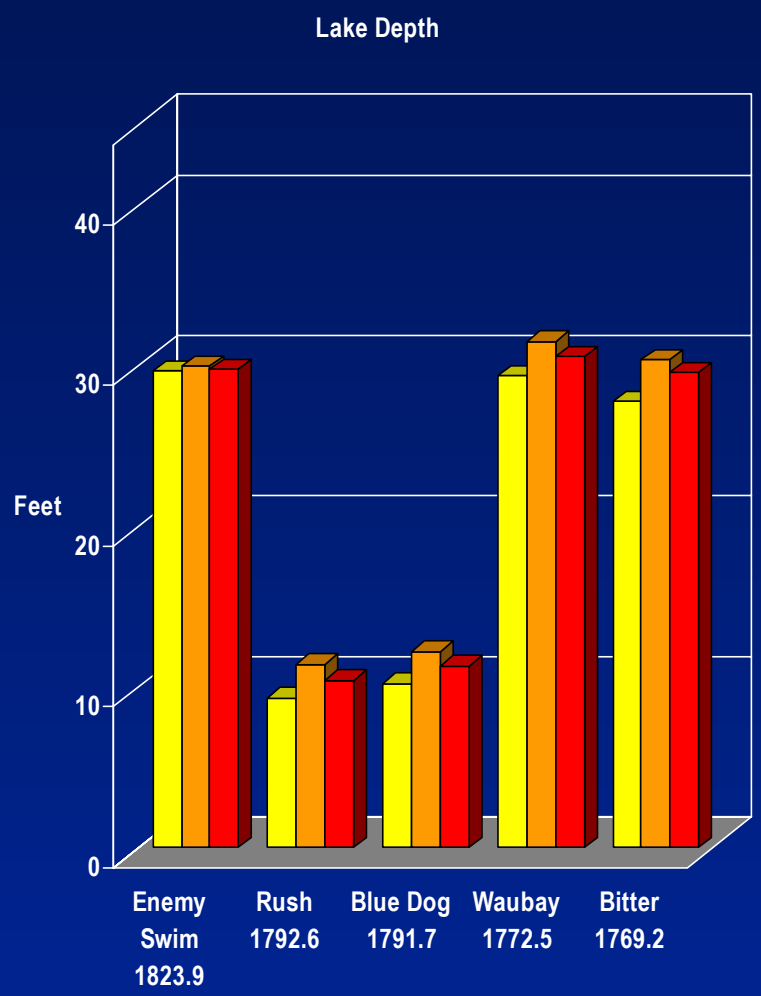
Lake Depth
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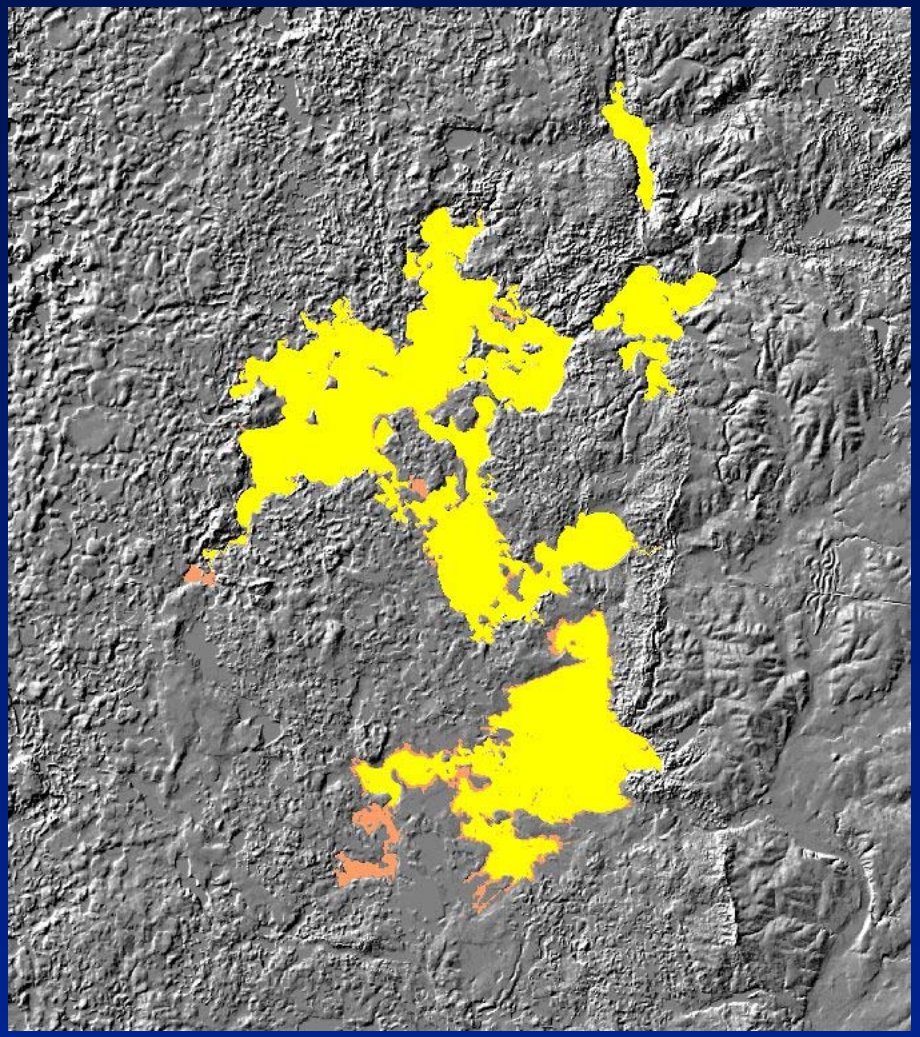
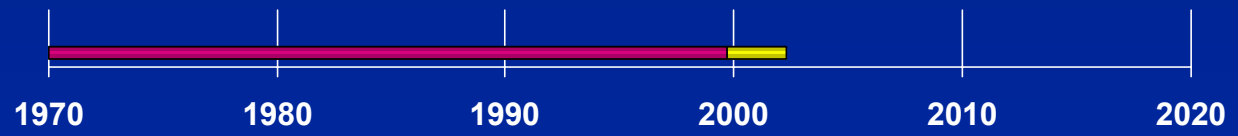


USGS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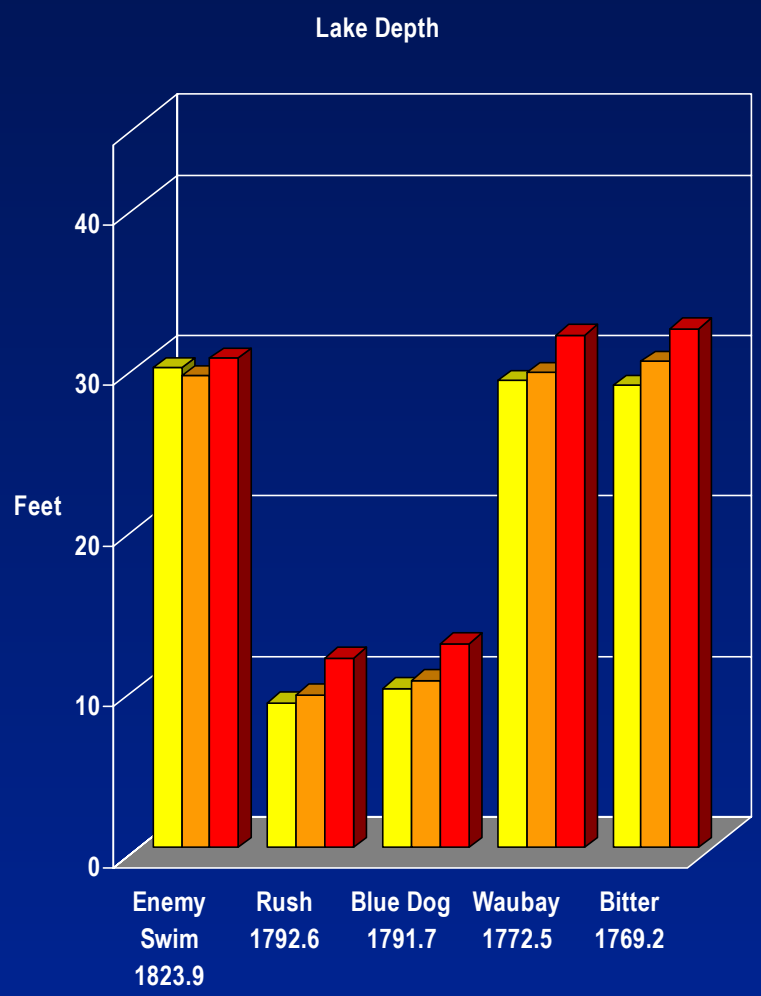
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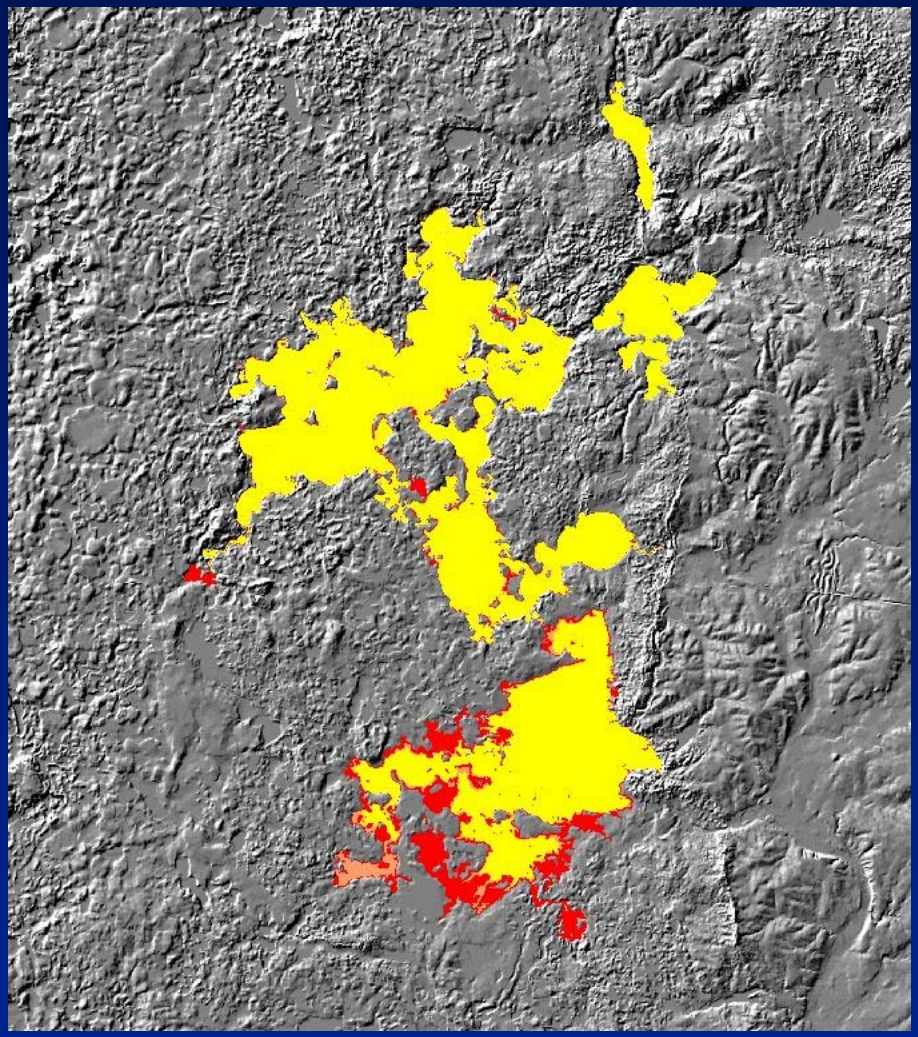

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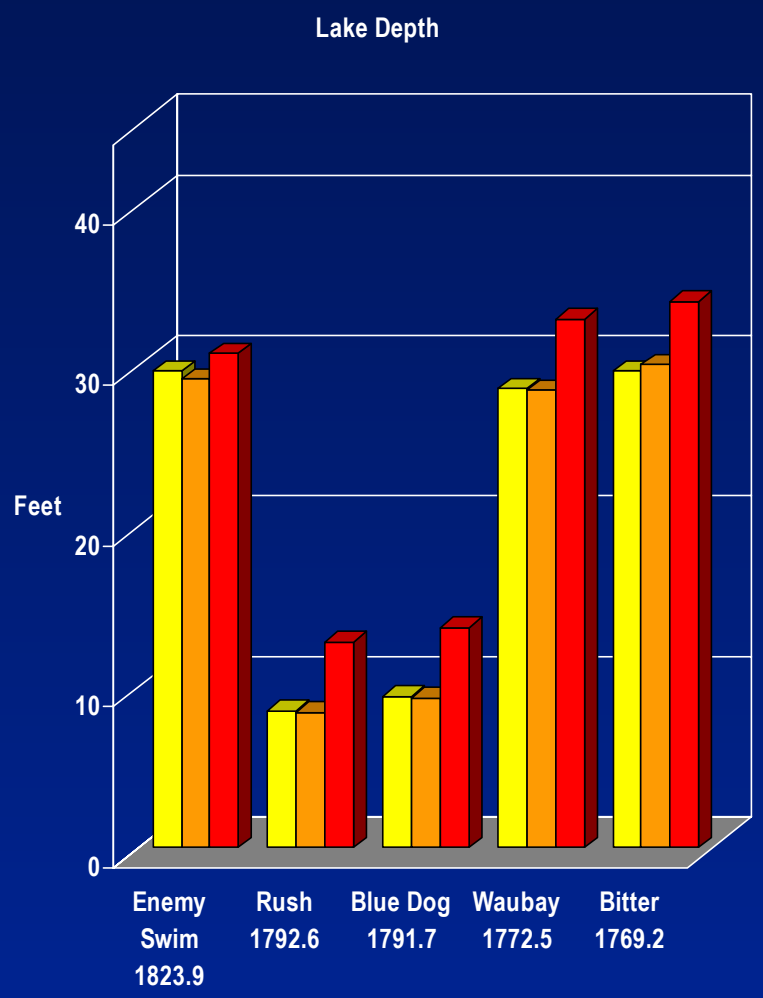
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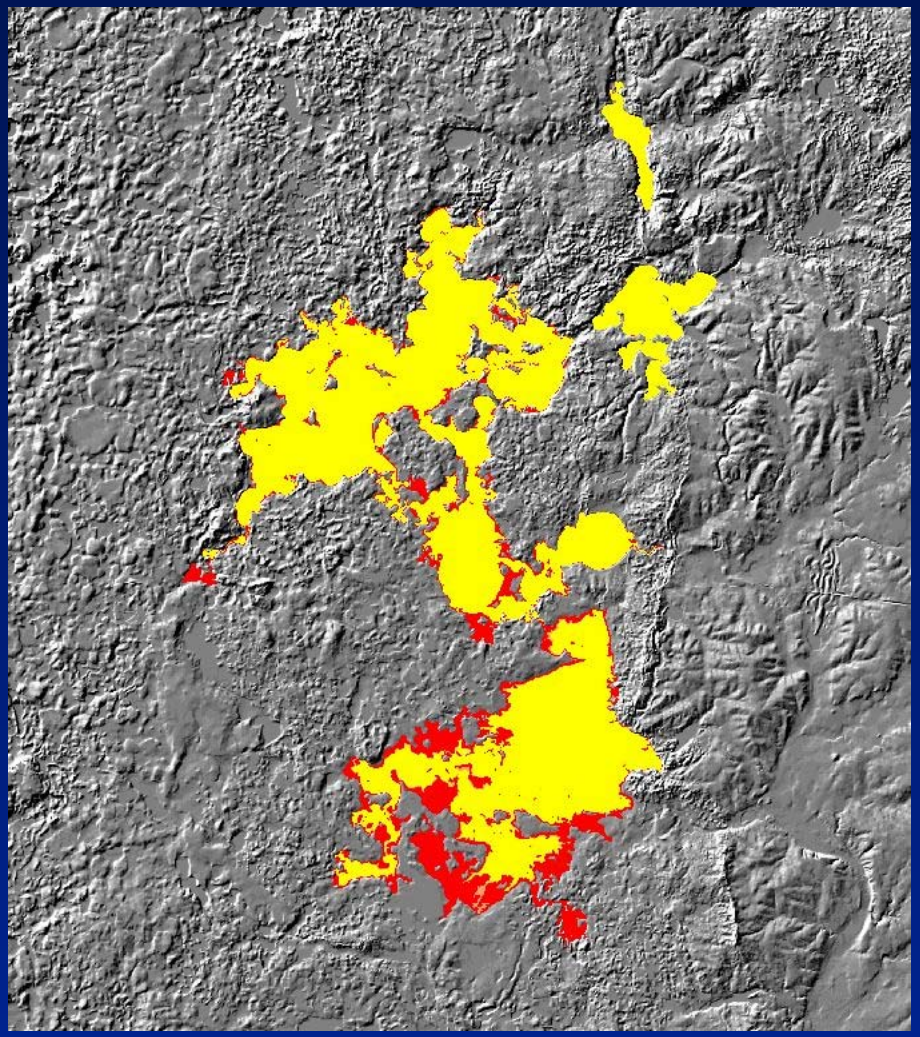

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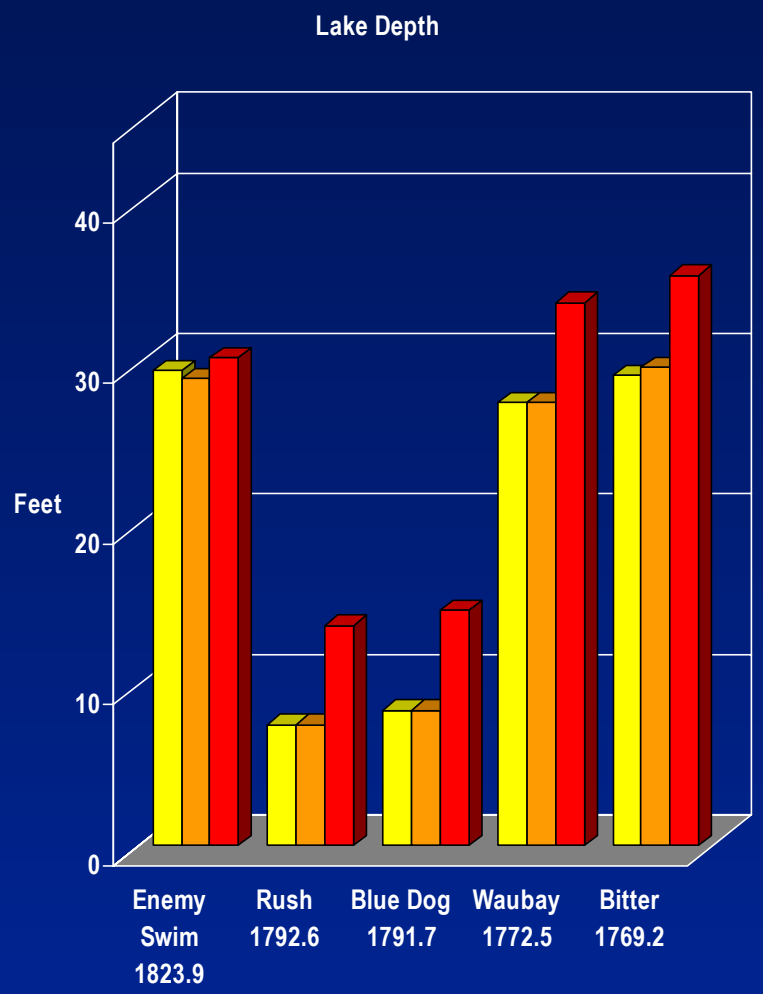
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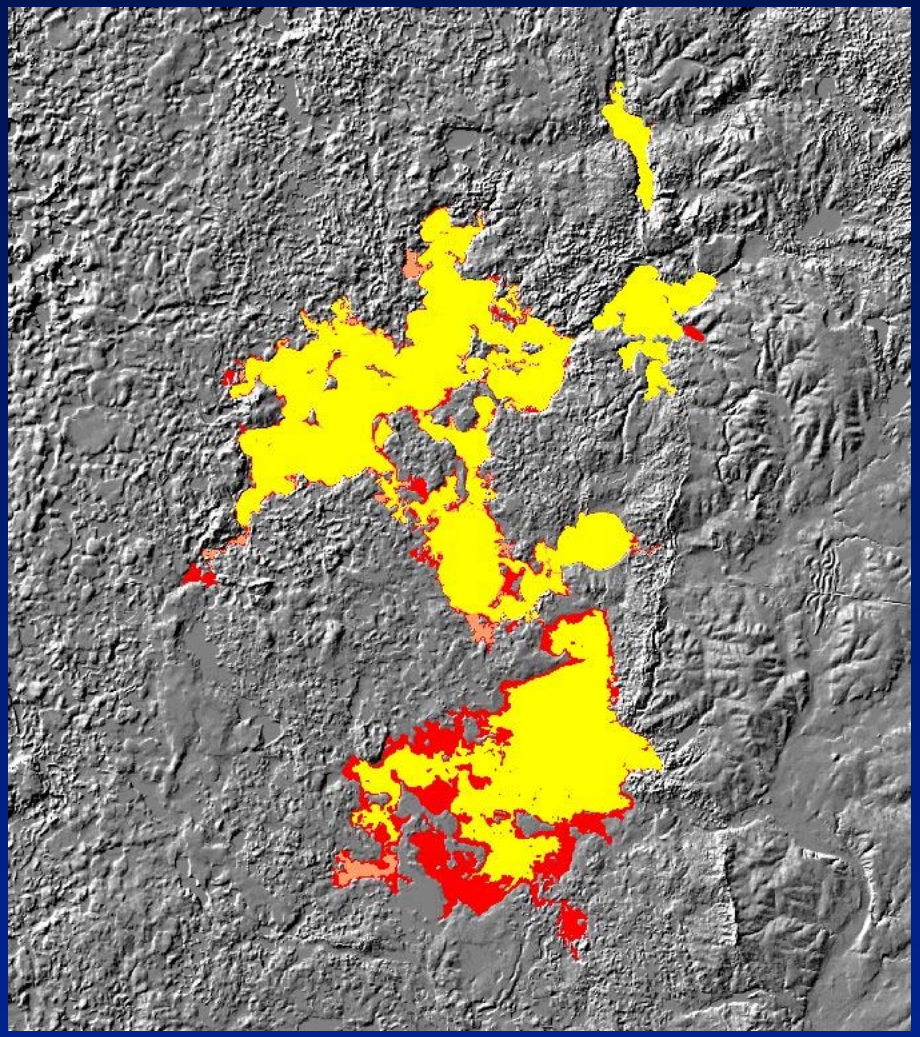

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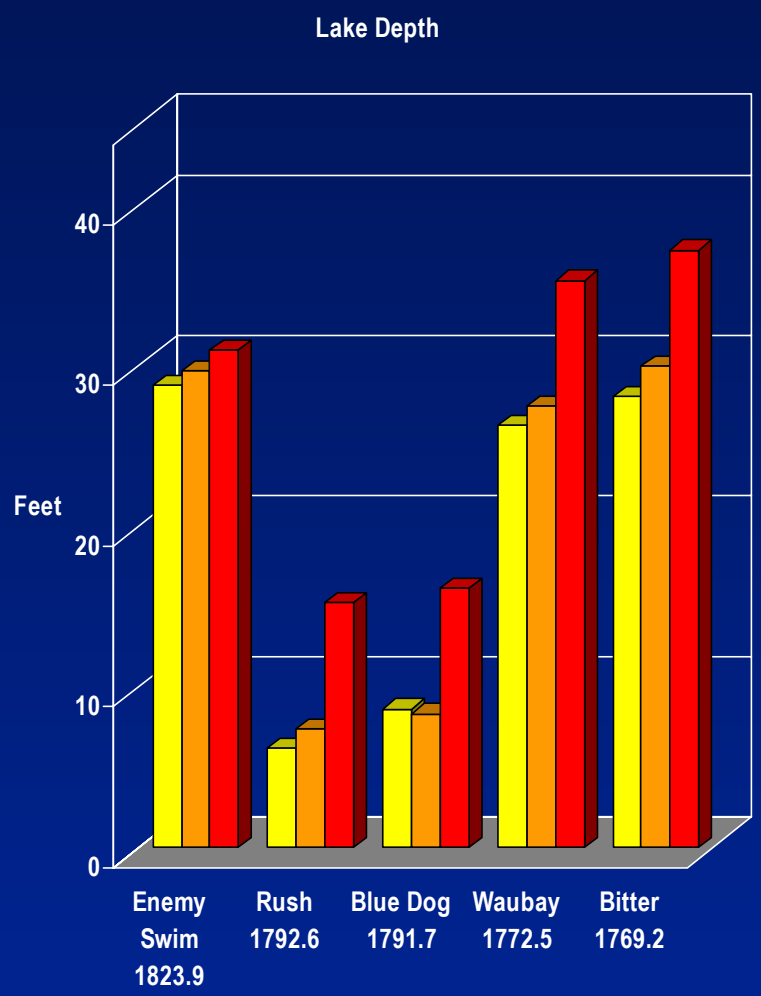
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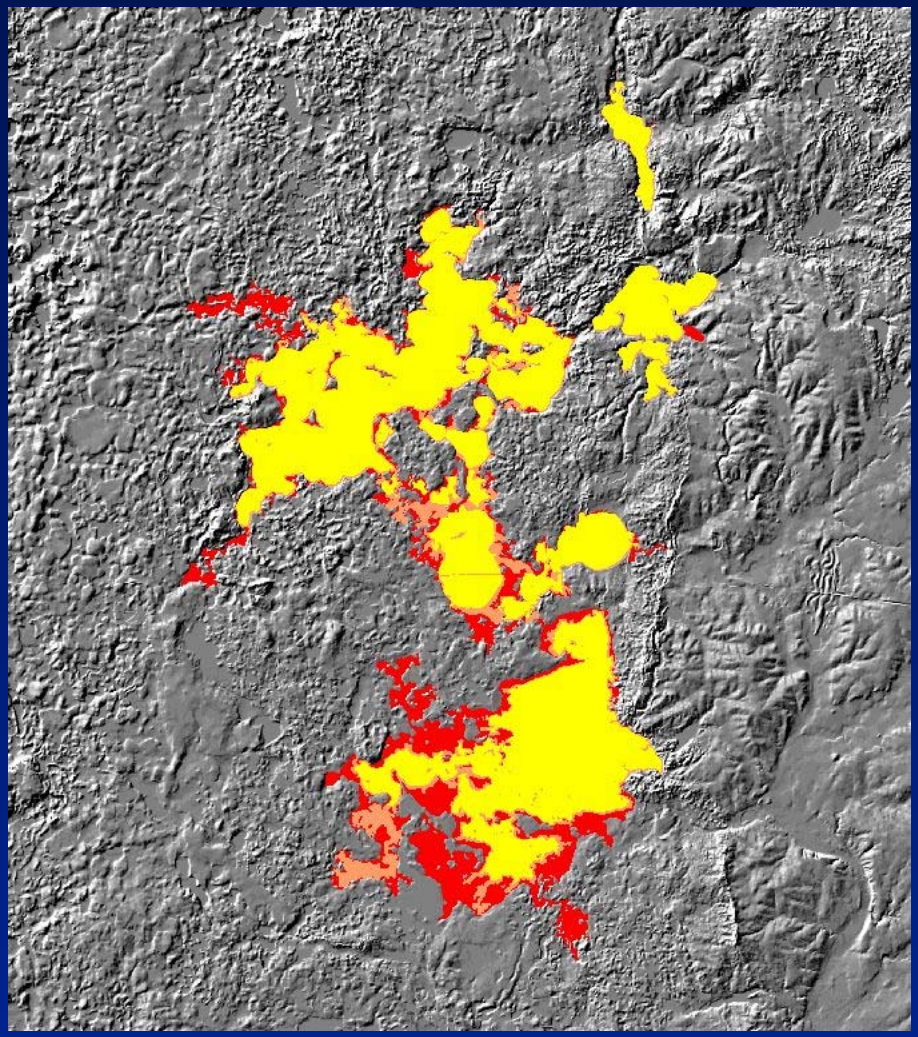

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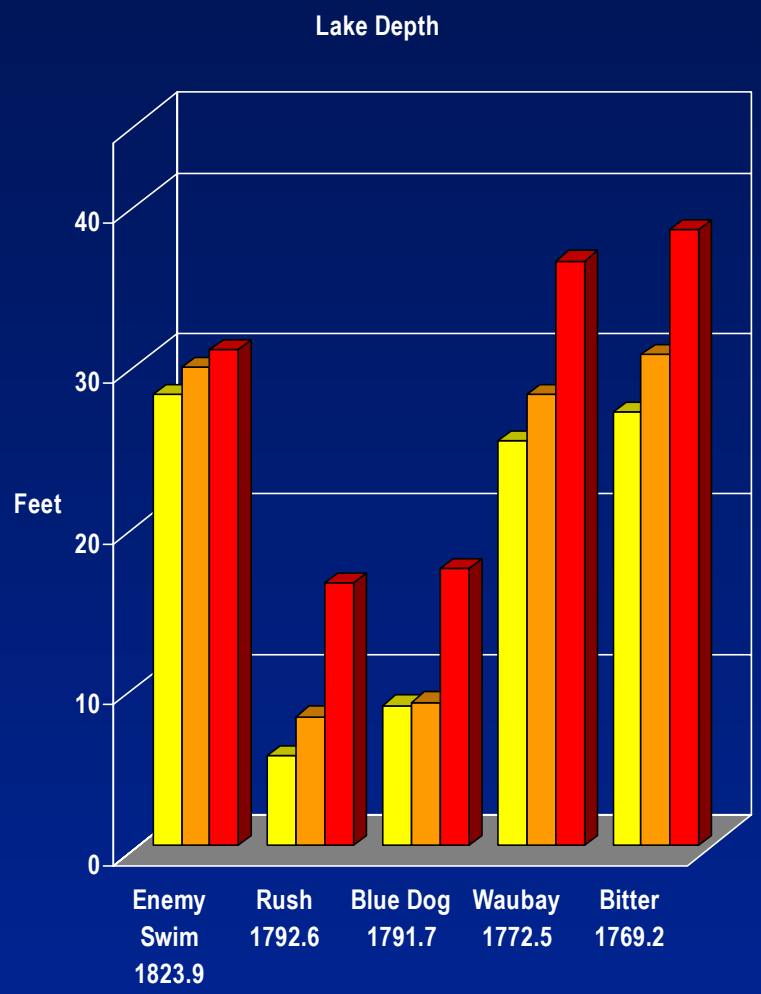
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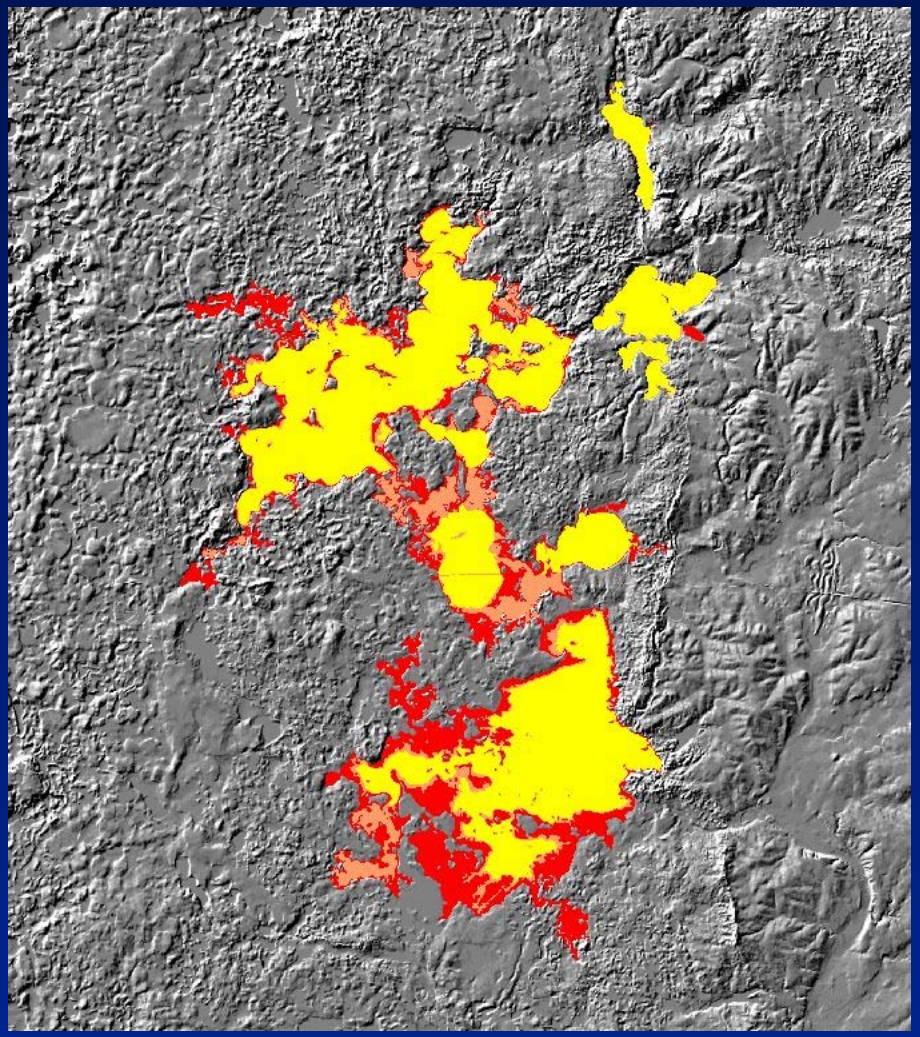

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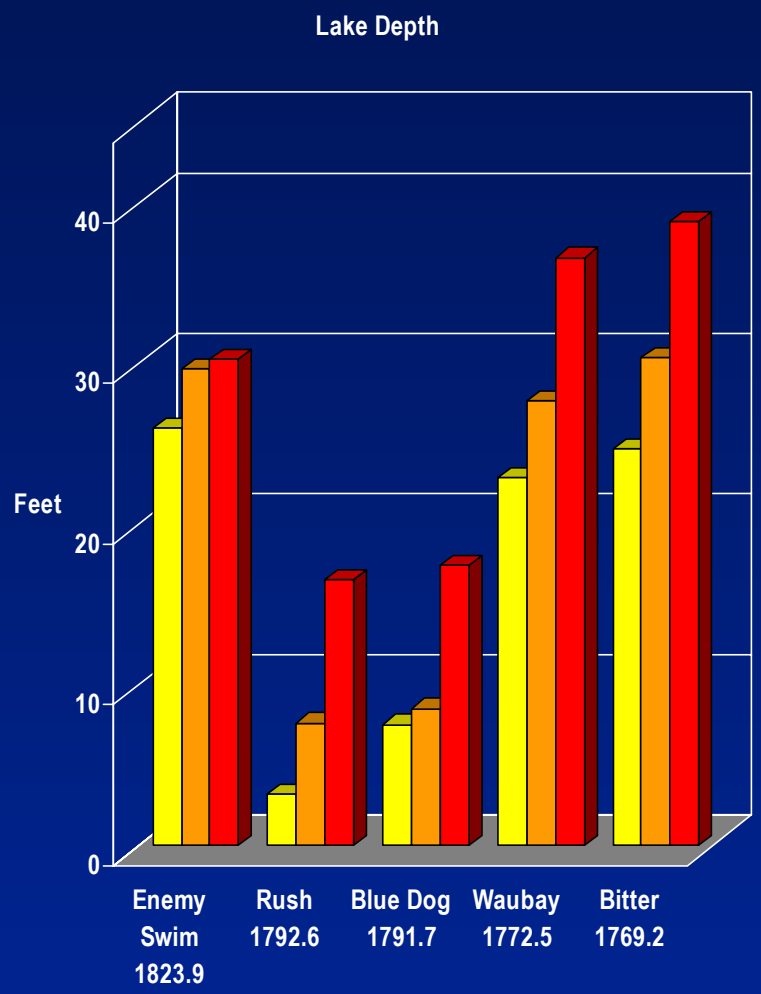
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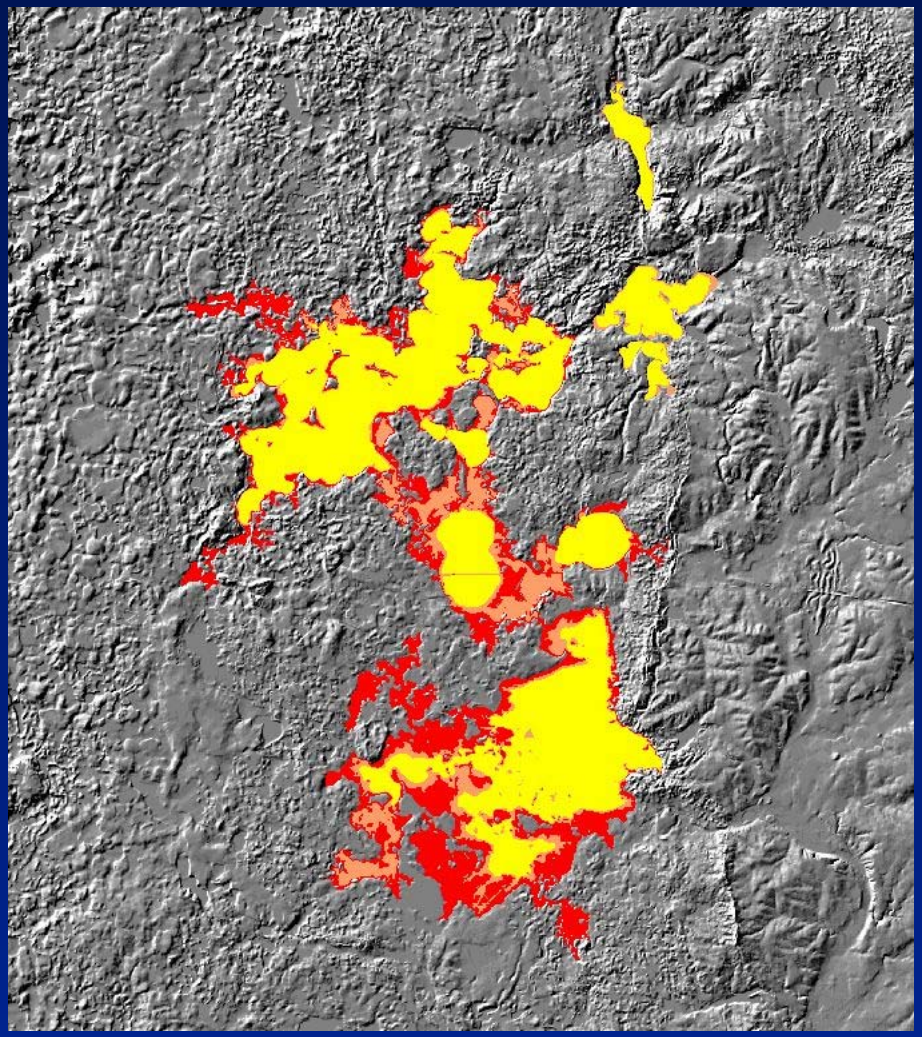

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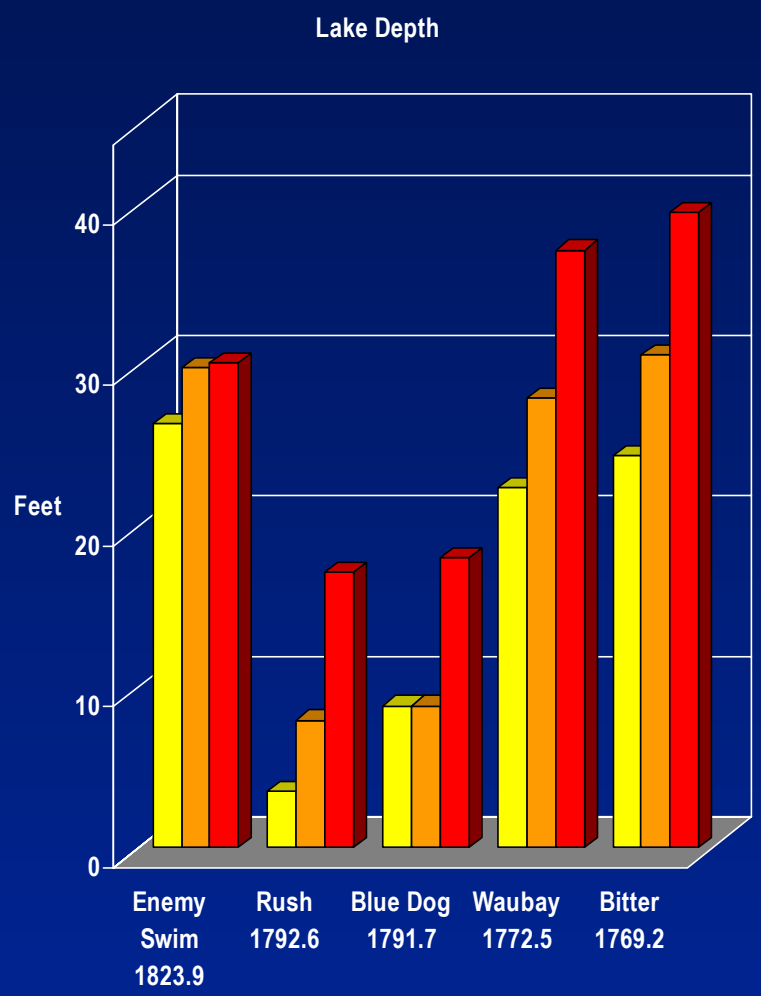
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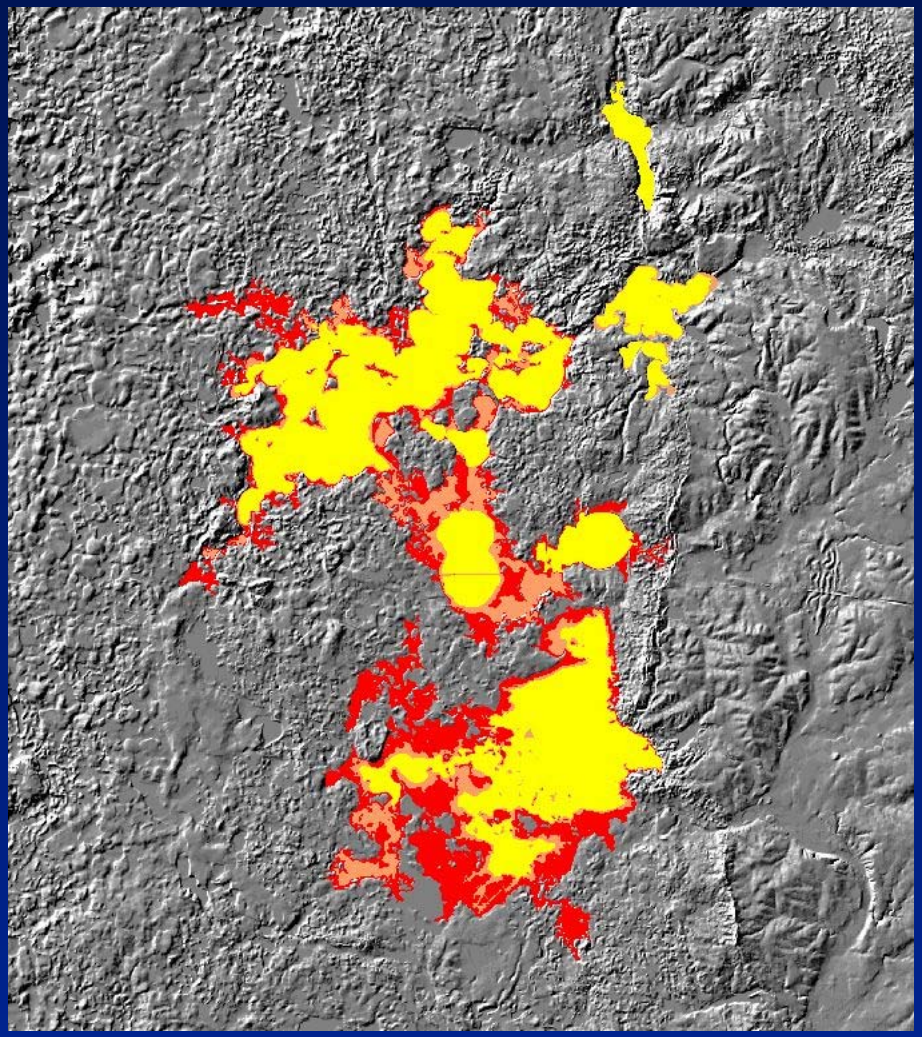

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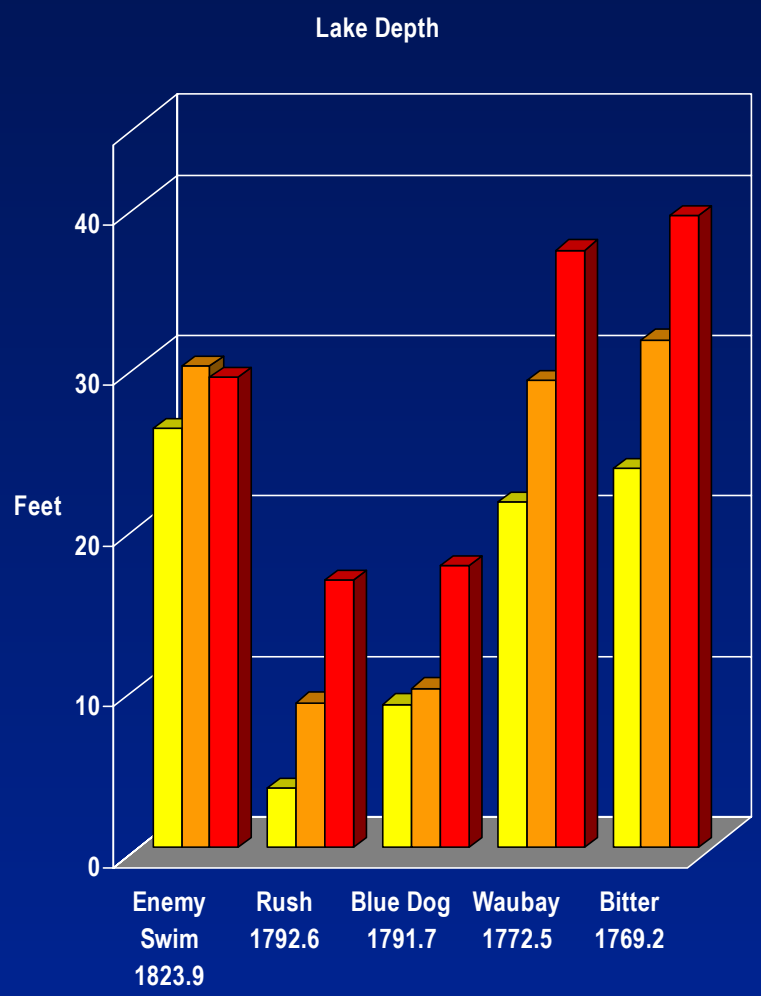
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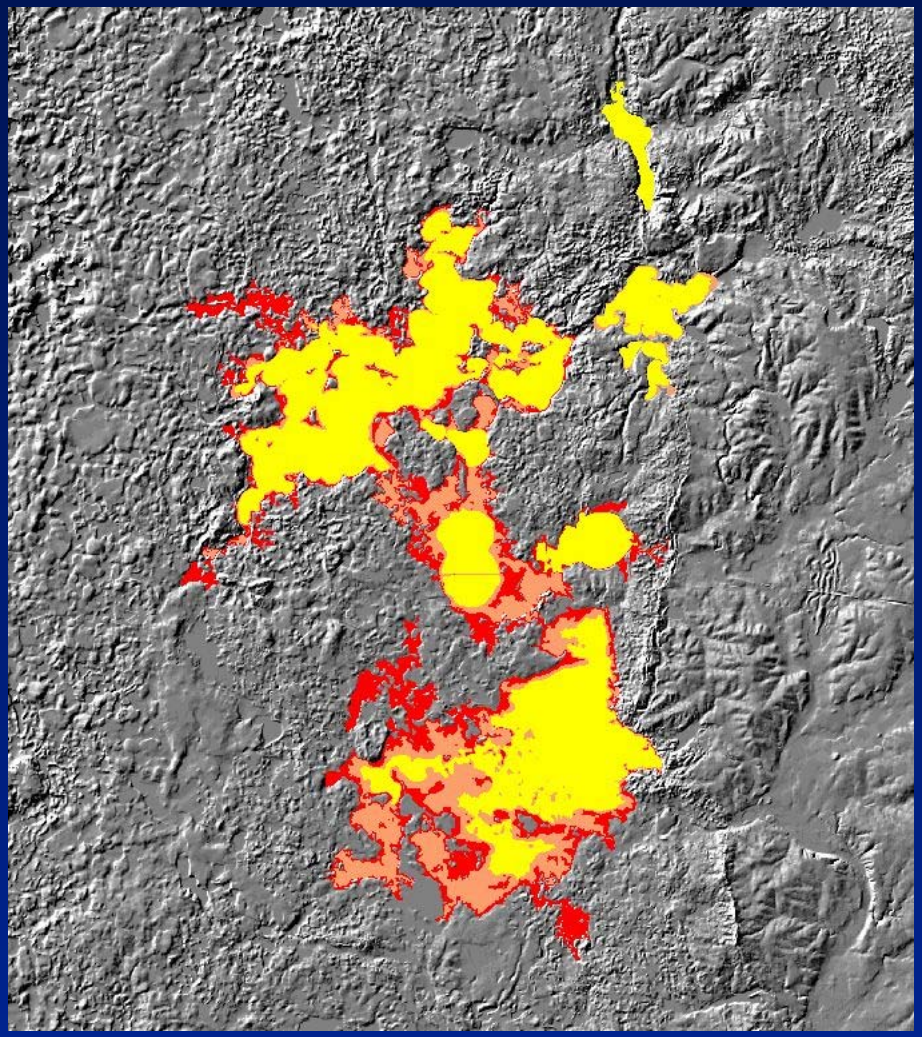

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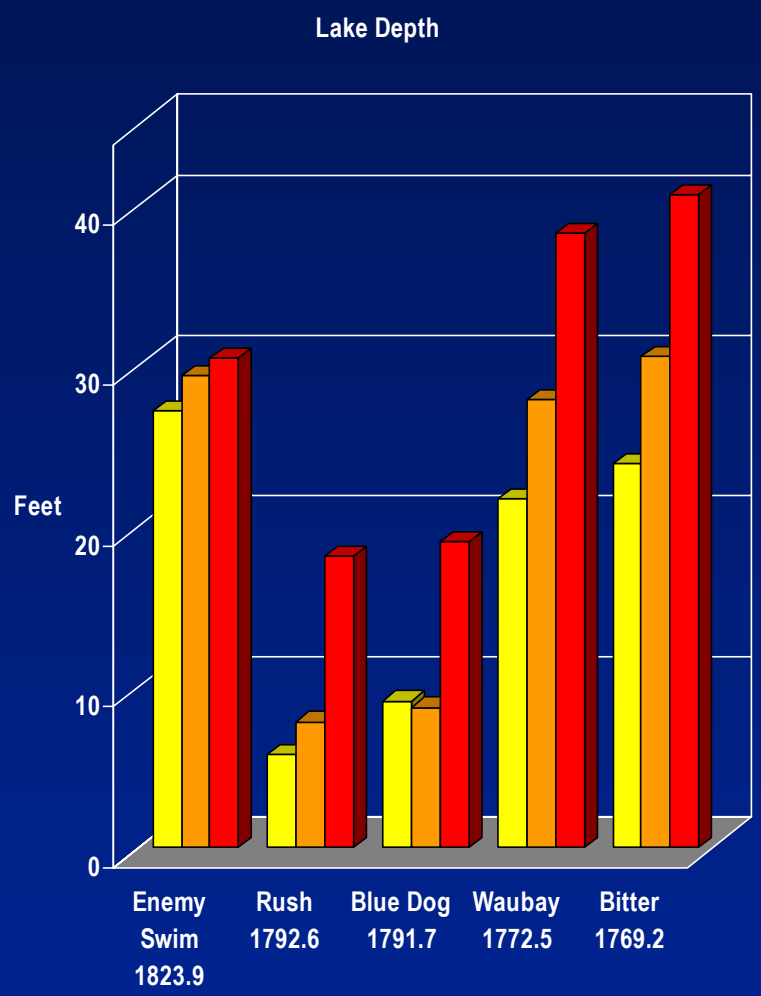
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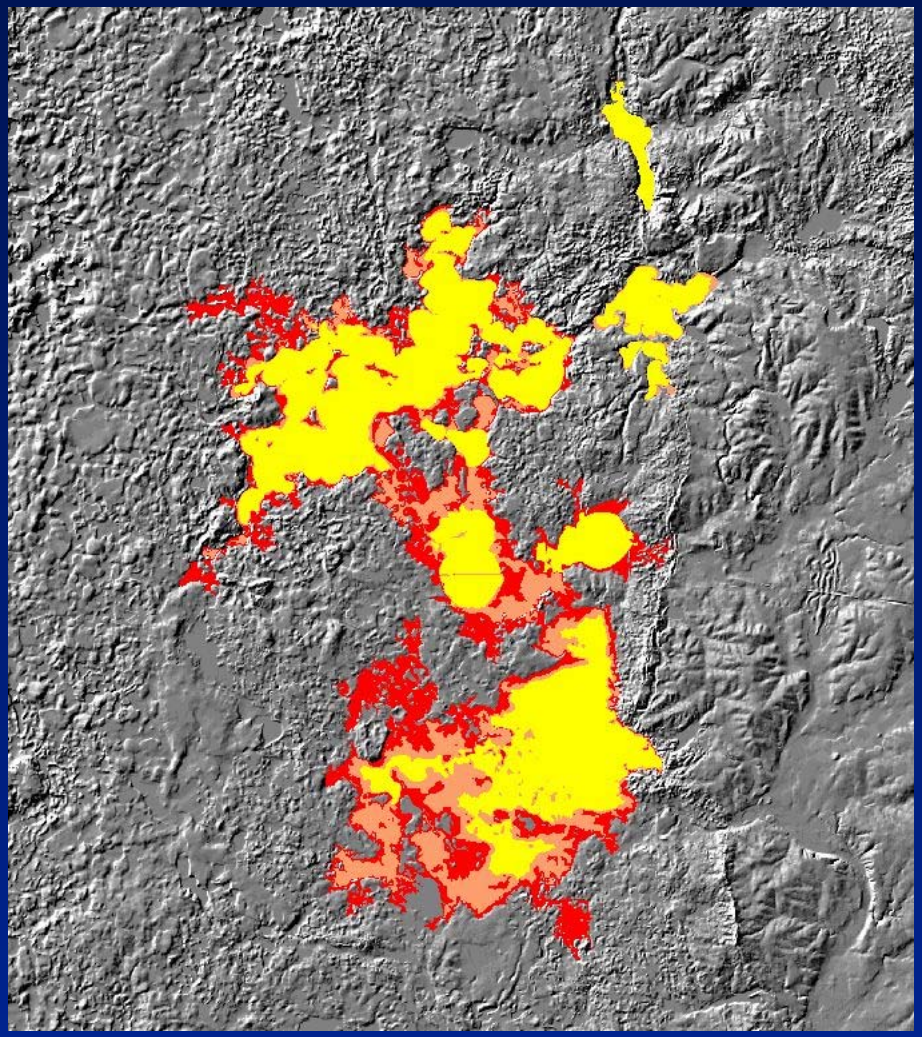

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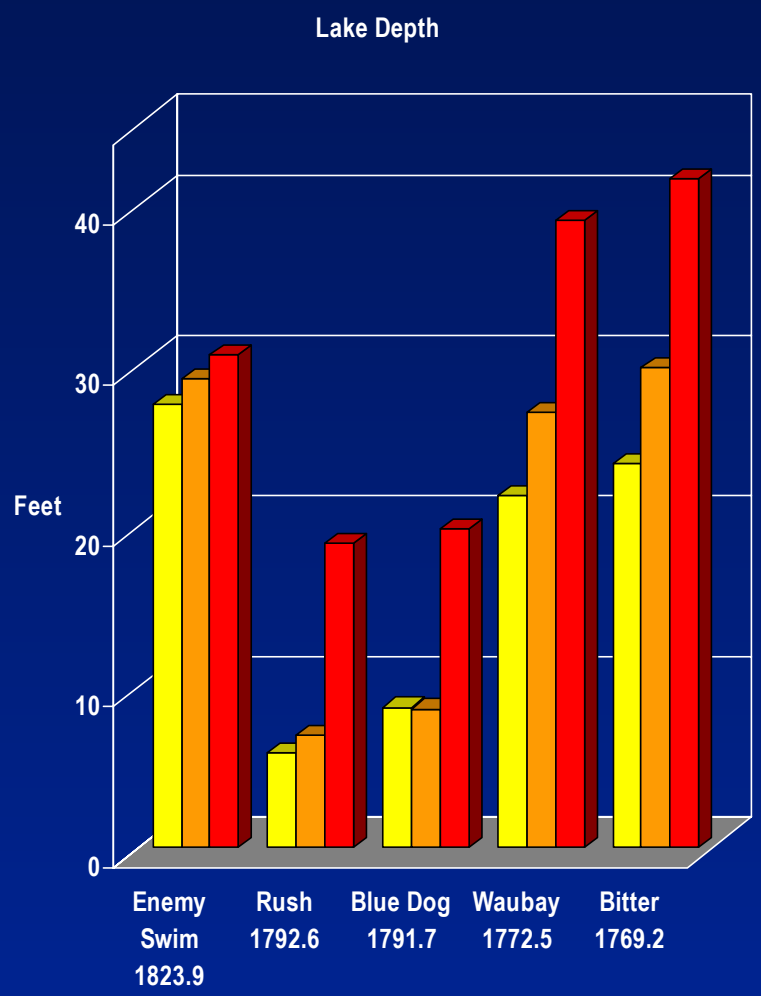
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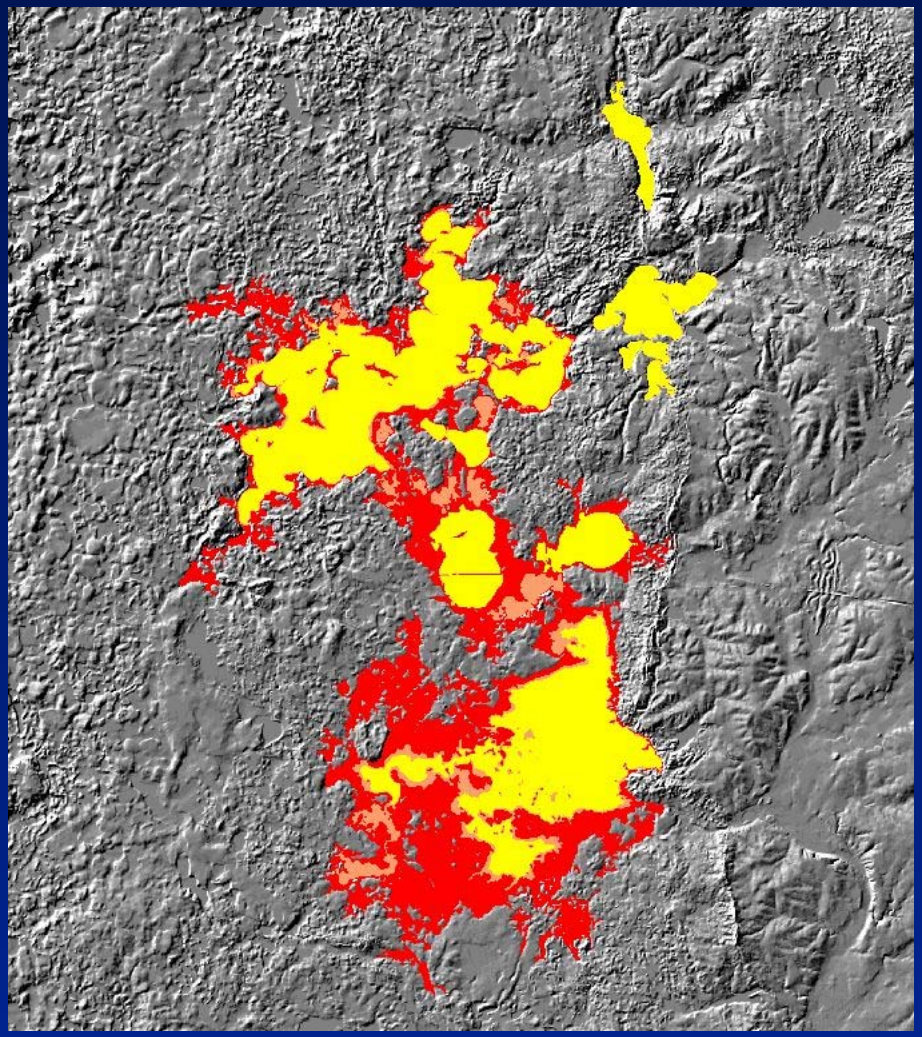

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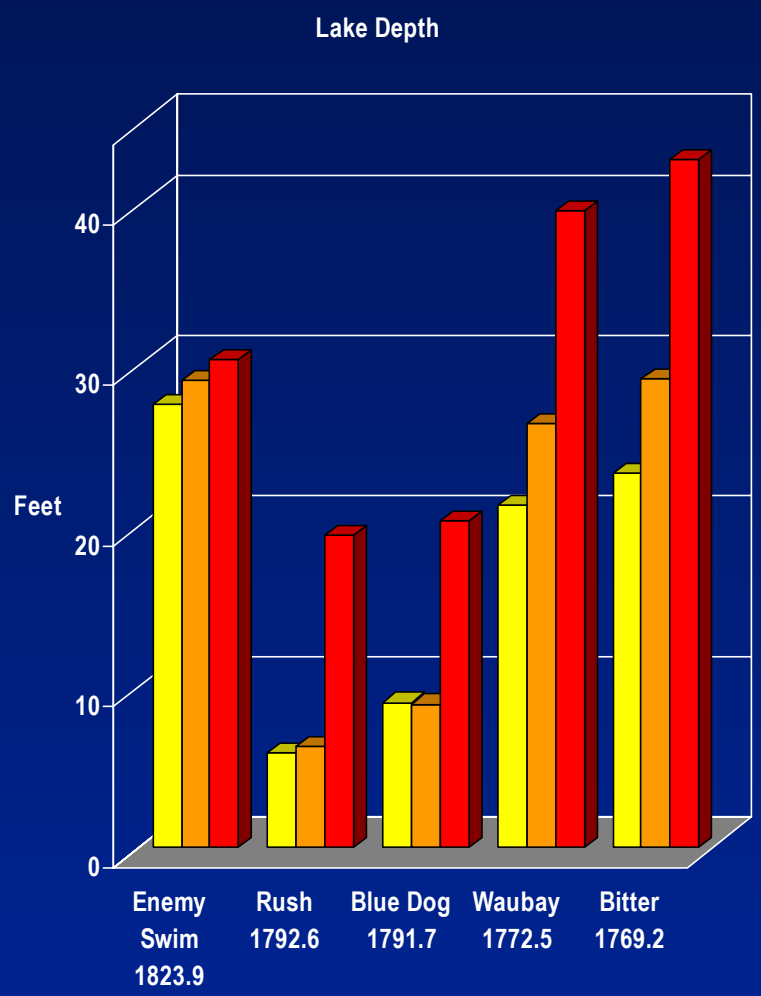
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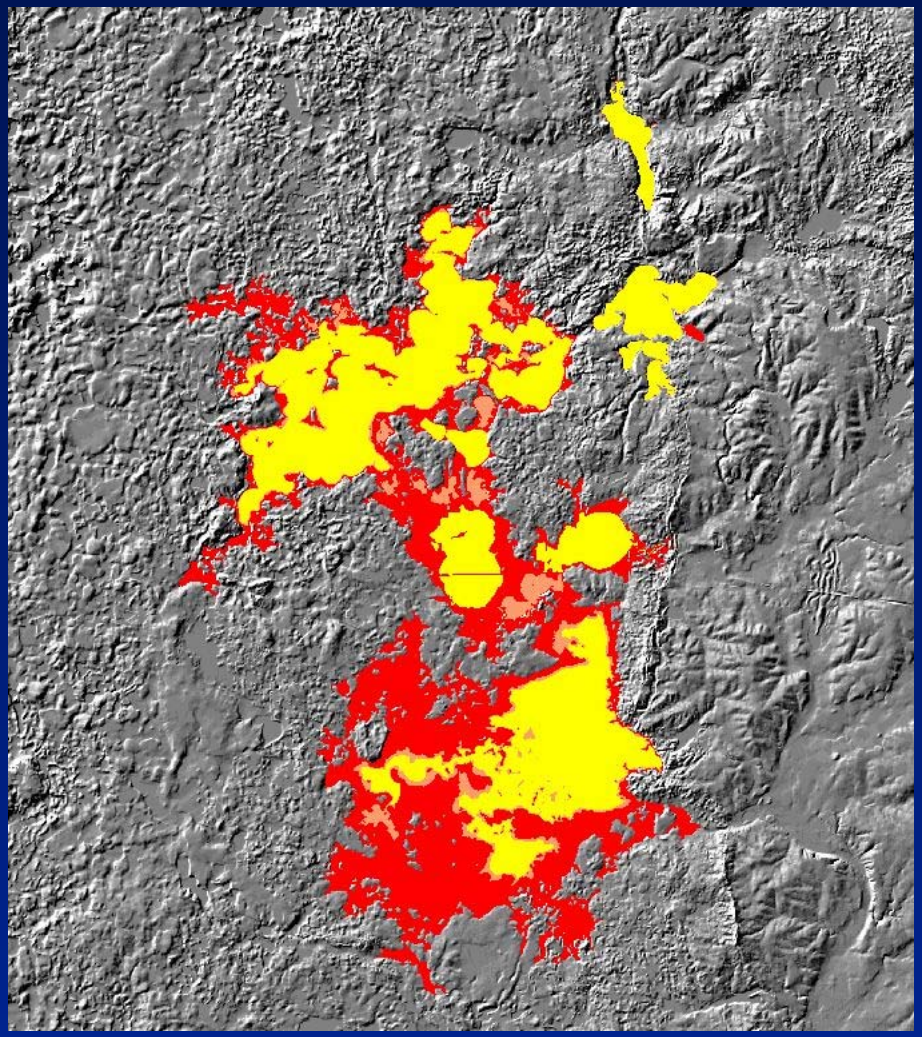

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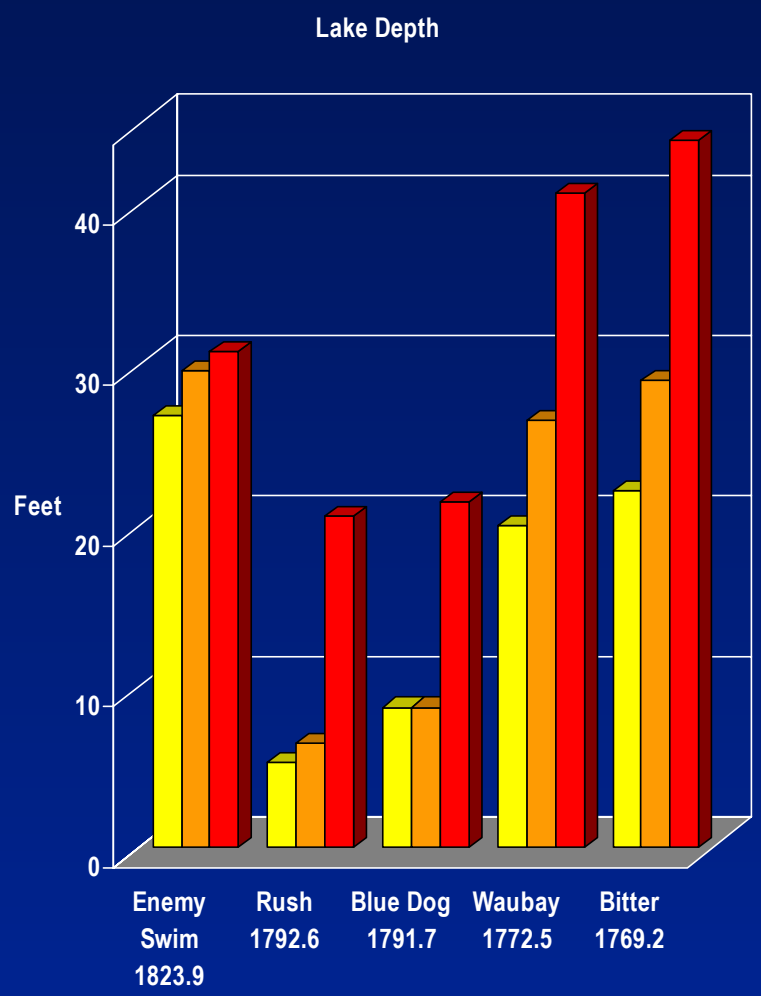
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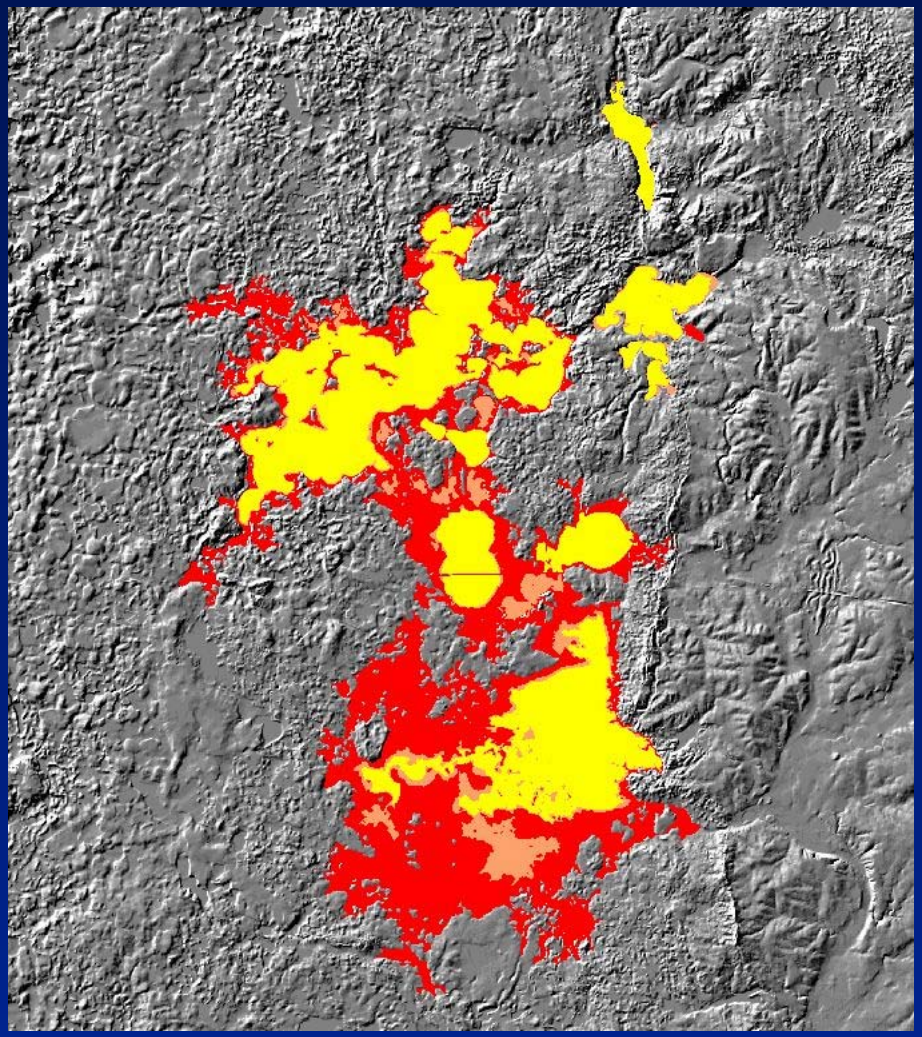

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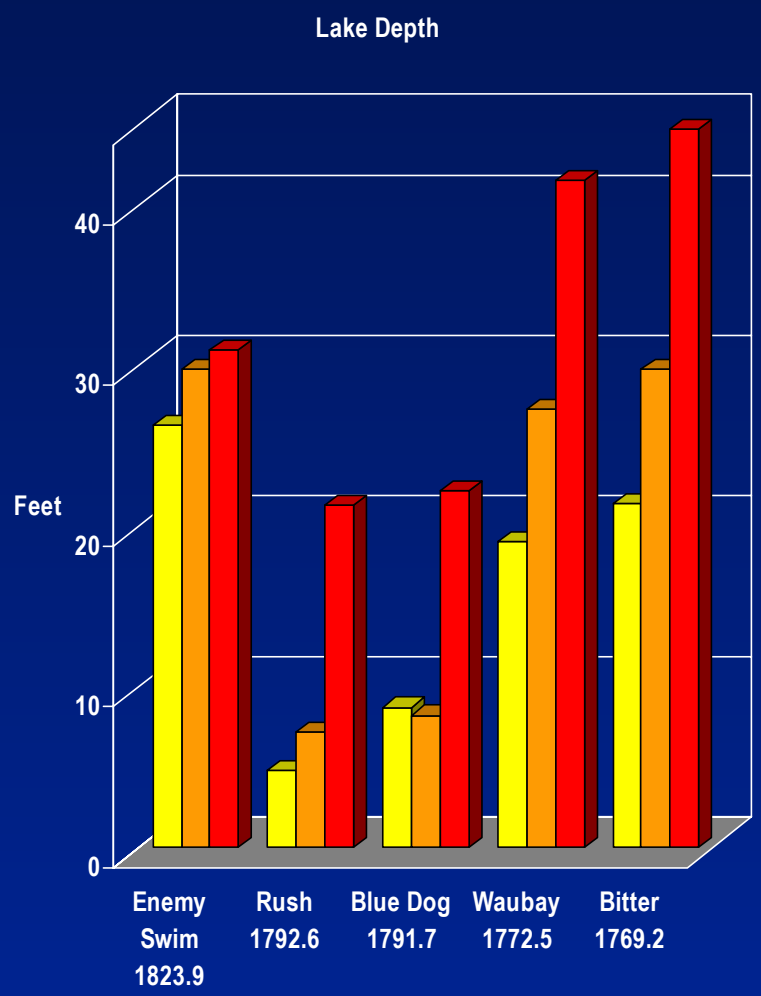
Lake Depth
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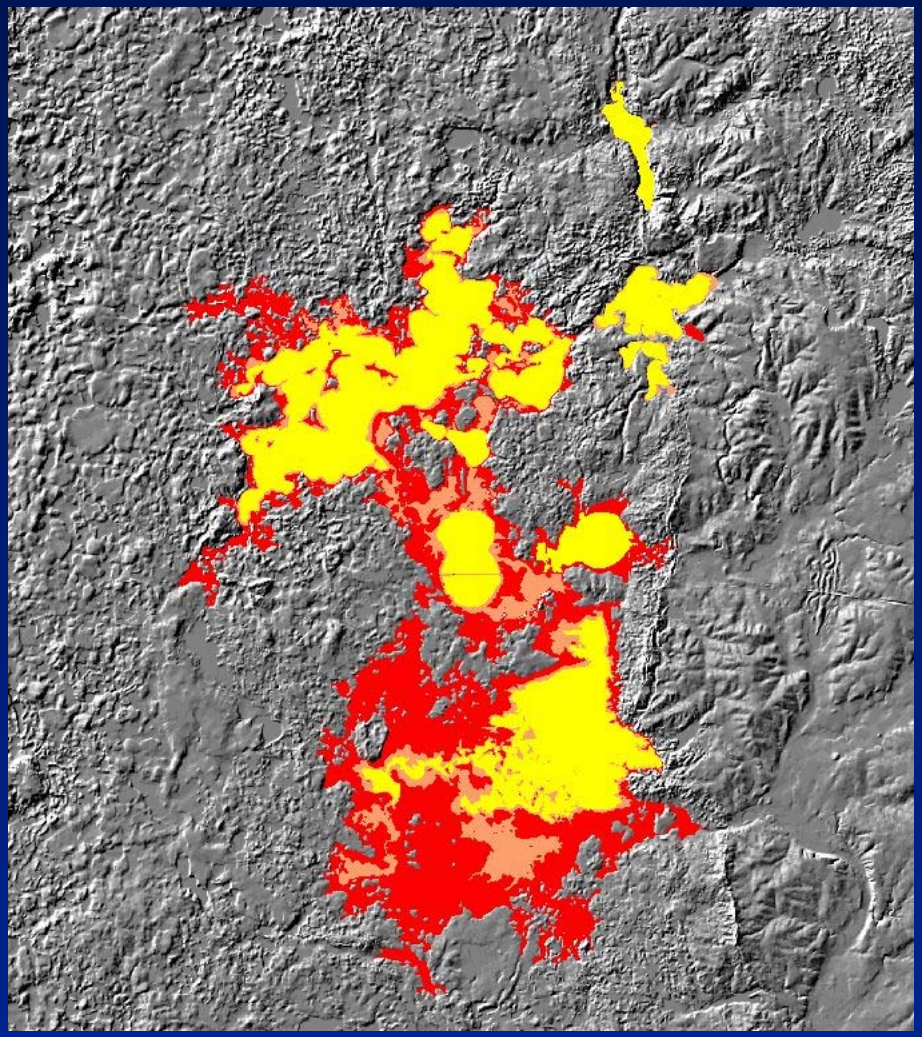

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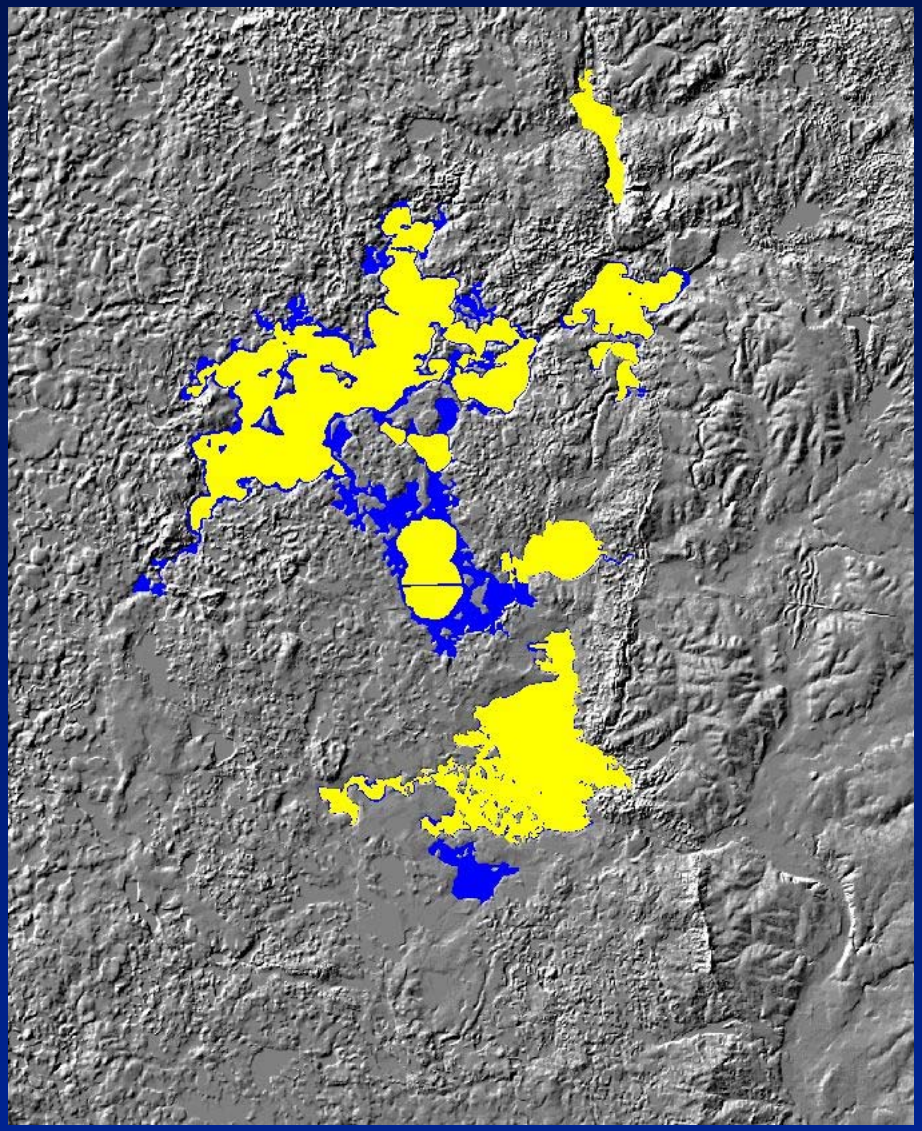
2015

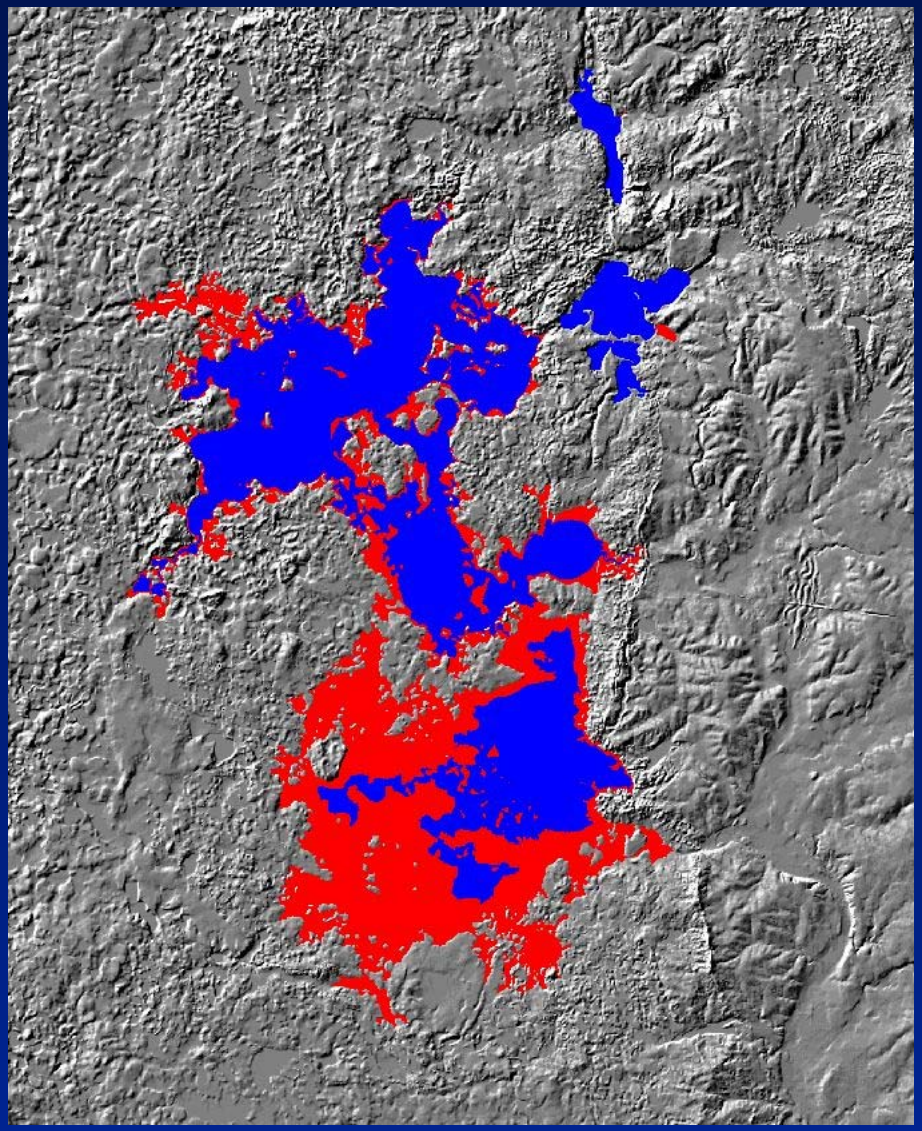
October 1999 water levels are shown in blue. Areas shown in yellow represent predicted lake areas from dry scenario (1969-76 followed by 1969-76)



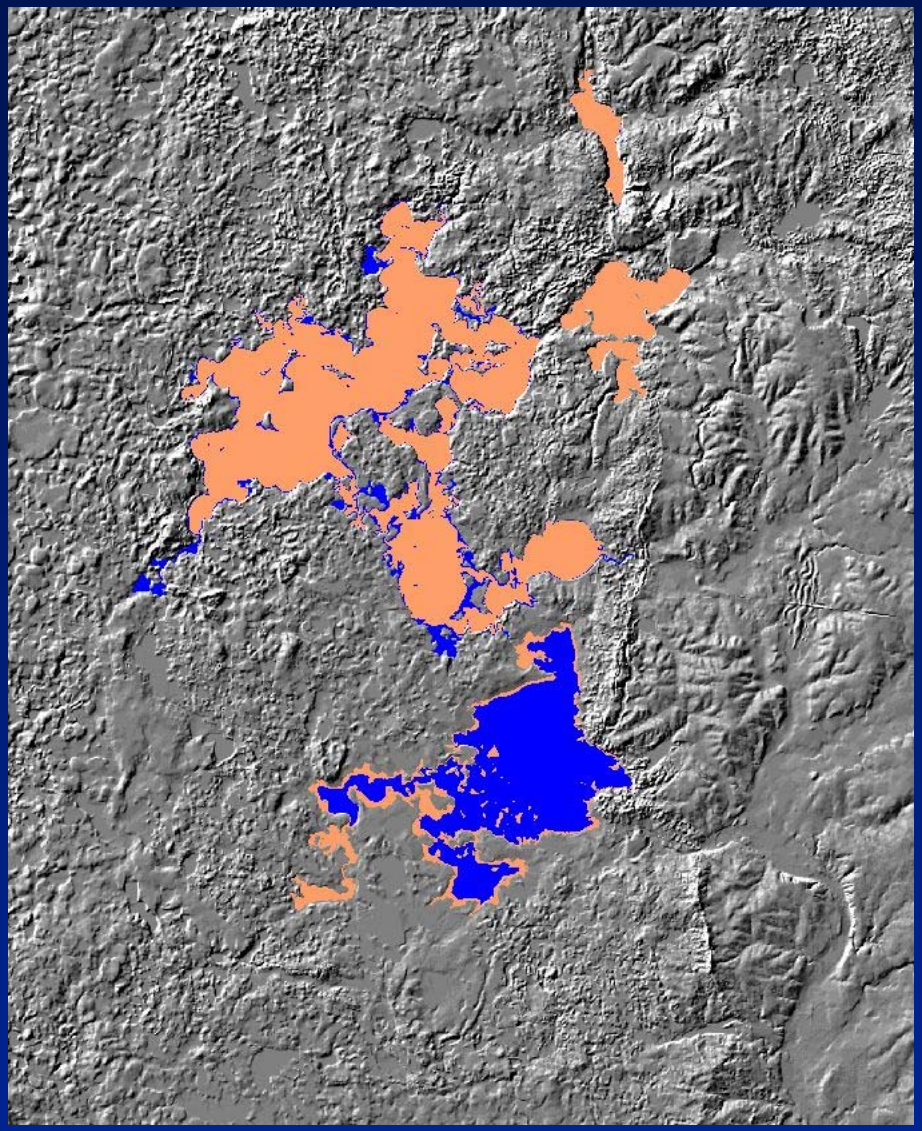
USGS

2015

October 1999 water levels are shown in blue. Areas shown in red represent predicted lake areas from wet scenario (1991-98 followed by 1991-98)



USGS

2015

October 1999 water levels are shown in blue. Areas shown in orange represent predicted lake areas from average scenario (1985-92 followed by 1985-92)