

INDIAN LAKE RESTORATION UPDATE

August 18, 2015

Pete Jopke-Water Resources Planner



TIMELINE

- April 2014 - Public Informational Meeting
- Fall 2014 - Carp Telemetry
- January/February 2015 - Project Planning
- March 2015 -Rotenone Application/Clean Up
- April 2015 - Stocking
- May 2015 - Macrophyte Plan
- June 2015 - Restricted Bag Limits
- July 2015 - Site Prep and Volunteer Planting
- September 2015 - Additional Stocking
- 2016+ - Continued WQ Monitoring/Habitat Evaluation

Identify Carp Locations



Winter 2015

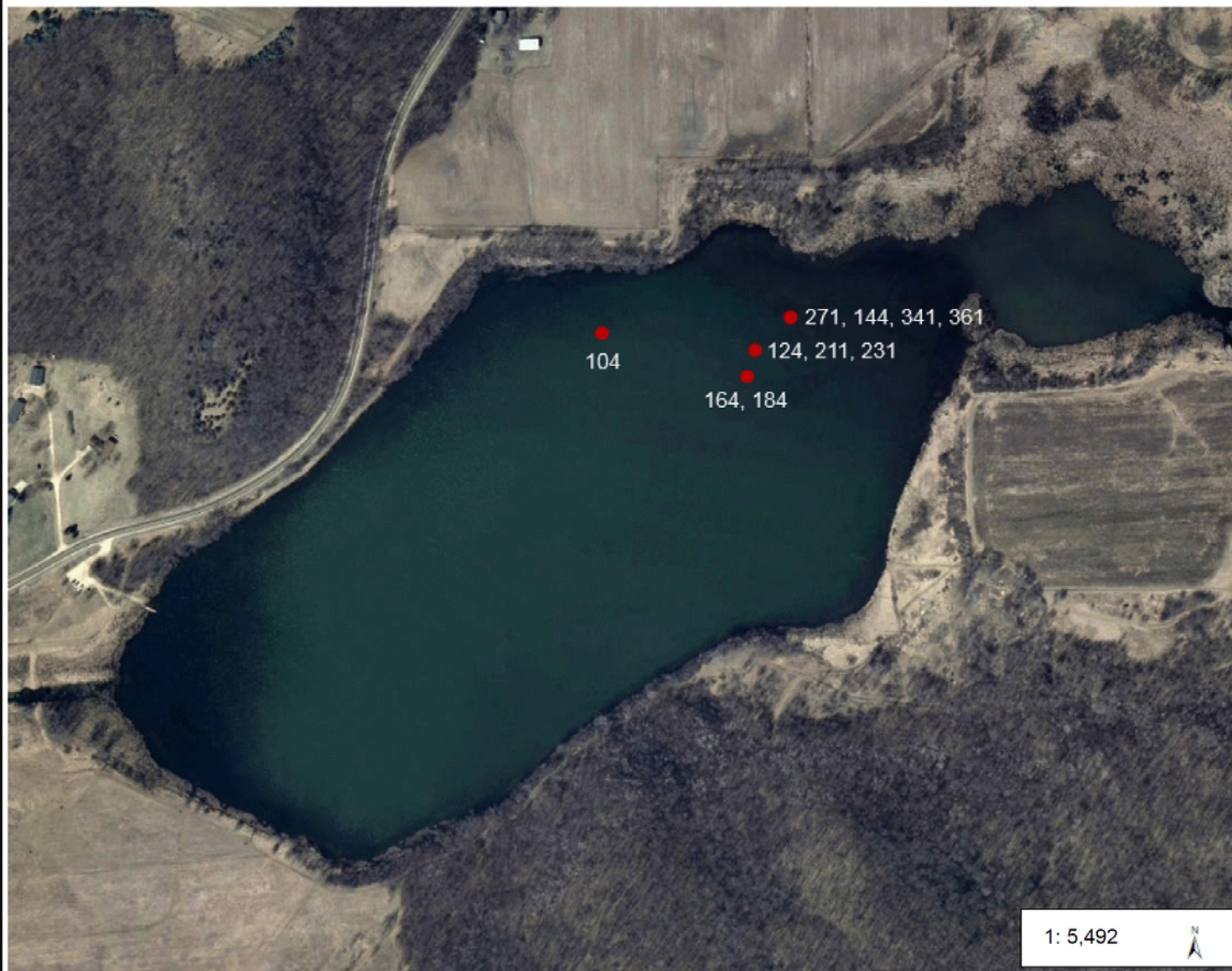


Indian Lake: Pretreatment Carp Locations 3/3/15



Legend

2010 Air Photos (WROC)



1: 5,492



0.2 0 0.09 0.2 Miles

NAD_1983_HARN_Wisconsin_TM
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Notes

Planning

Final Team Preparations



Staging



March 2015

Deep Water Treatment Area
1.45 ppm Rotenone Formulation
60 Gallons of Rotenone
3 Injection Holes
Area = 50.7 acres
Water Volume= 125 Acre Feet (excludes Ice)
Ice Volume=72 Acre Feet

Shallow_water_40mpoints

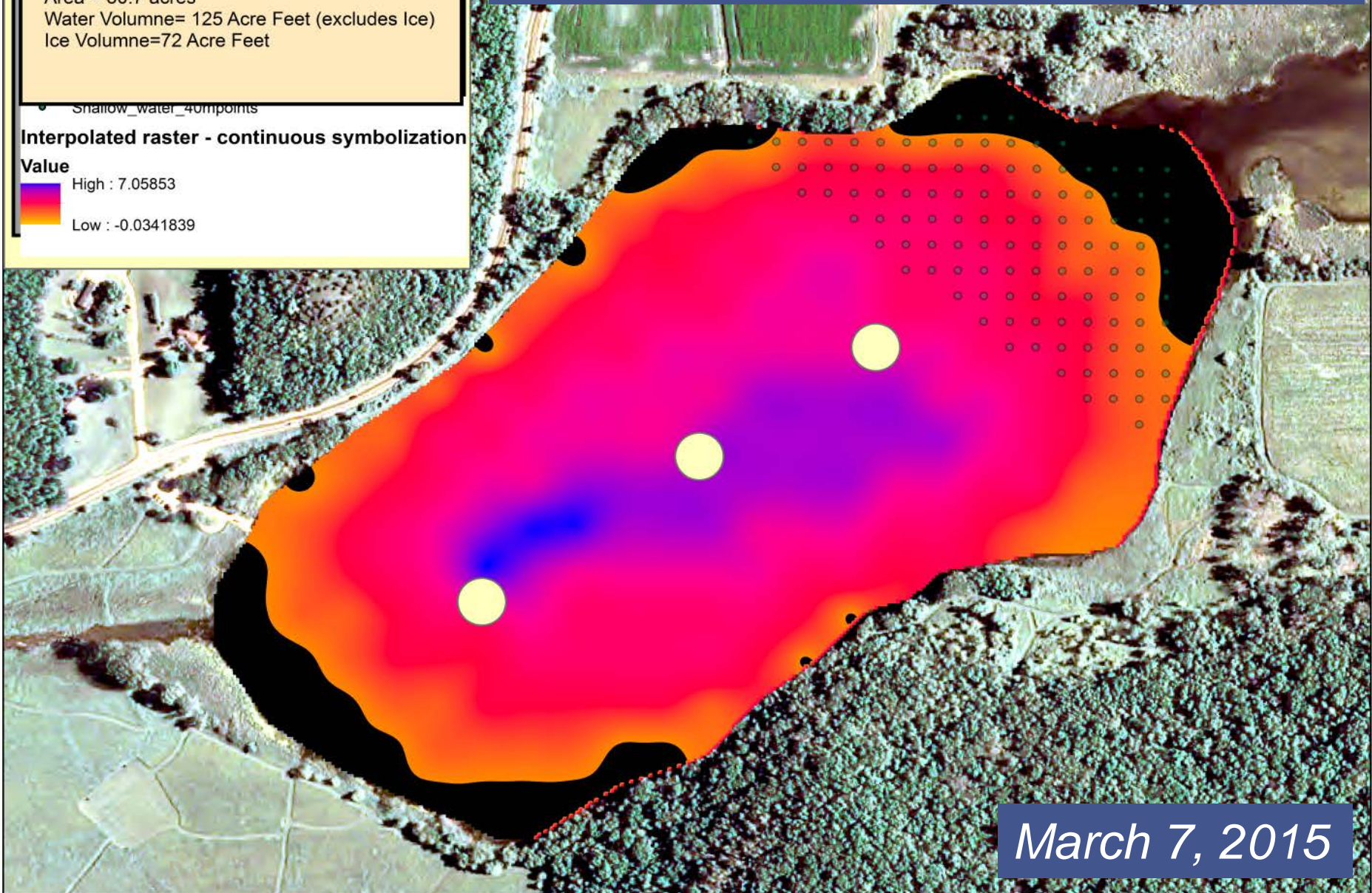
Interpolated raster - continuous symbolization

Value

High : 7.05853

Low : -0.0341839

Treatment



March 7, 2015

Results



- 10,000 lbs. of fish



End of March 2015

Fish Collection



Stocking Rates

- 30,000 Northern Pike
- 30,000 Walleye Fry
- 500 lbs. Fat Head Minnows
- 100 lbs. Golden Shiners
- 100 lbs. White Sucker
- 300 adult Bluegill
- 250 Northern Pike Fingerlings
- 2,500 Bluegill Fall – 2015 ?
- 1,650 Yellow Perch -- Fall 2015
- 1,000 Largemouth Bass -- Fall 2015

Stocking

Field Transfer: 300 adult bluegills
from Crystal Lake to Kenosha
County to Indian Lake



April 2015

Fry



April 2015

Aquatic Plant Event

July 2015



August 2015



*August 2015-UWSP
46 age 0 carp
3-5 inches in length*



Final Thoughts

- \$72,000 (equipment, chemical, fish, plants, etc.)
- \$10,000 - Dane County (\$11,800 reimbursable through Cons Aids Grant)
- Collaborations: WDNR (C.O., Regions, Statewide), FOIL, Gollons Bait & Fish Farm, Taylor Creek, Town of Berry, Parks, Lake Ops
- Initial Response Positive (Clear water phase, plant growth, lack of blue-green algae)
- Lessons learned applied to Mud Lake (2016/2017) and Lake Kegonsa