

REDUCING PHOSPHORUS LOADS TO NEWNANS LAKE

FDEP Orange Creek Basin Working Group
September 11, 2009

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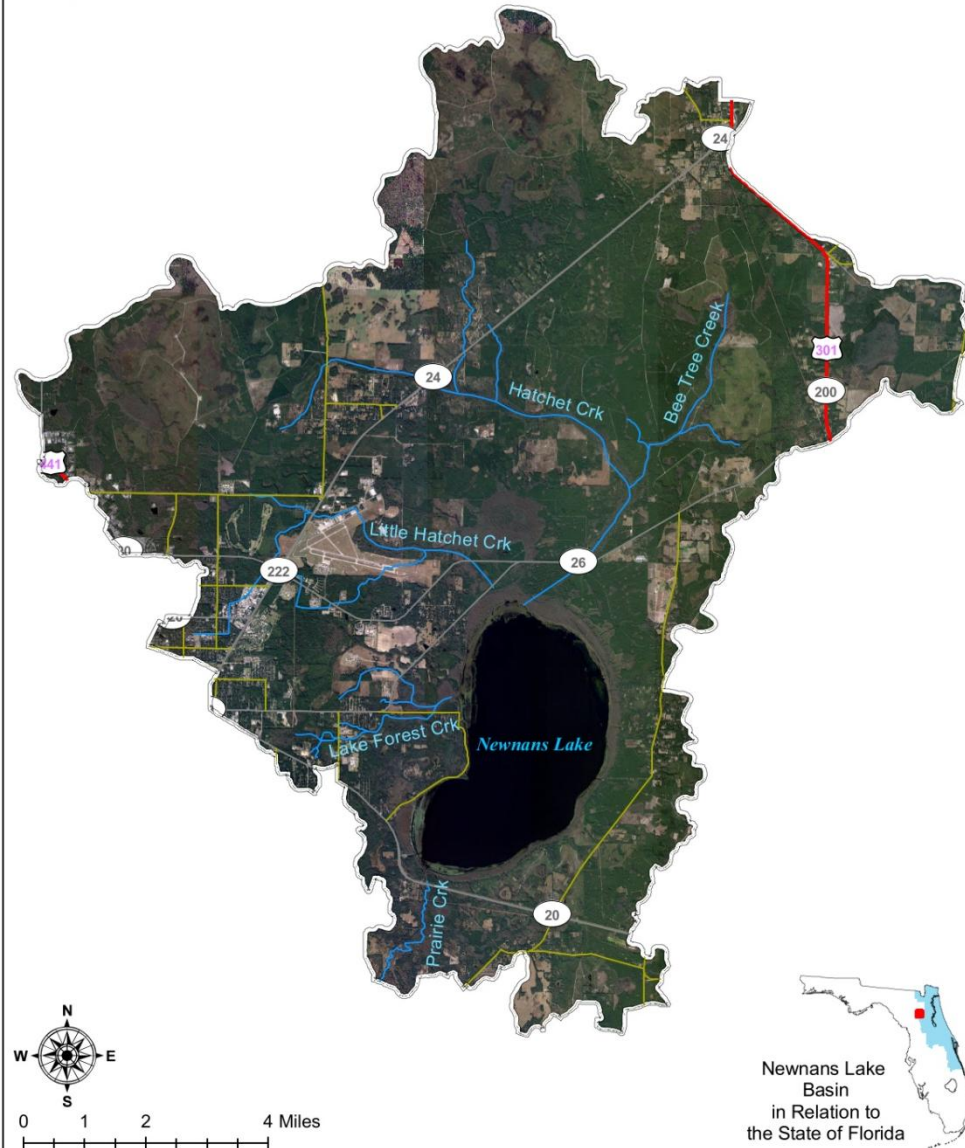


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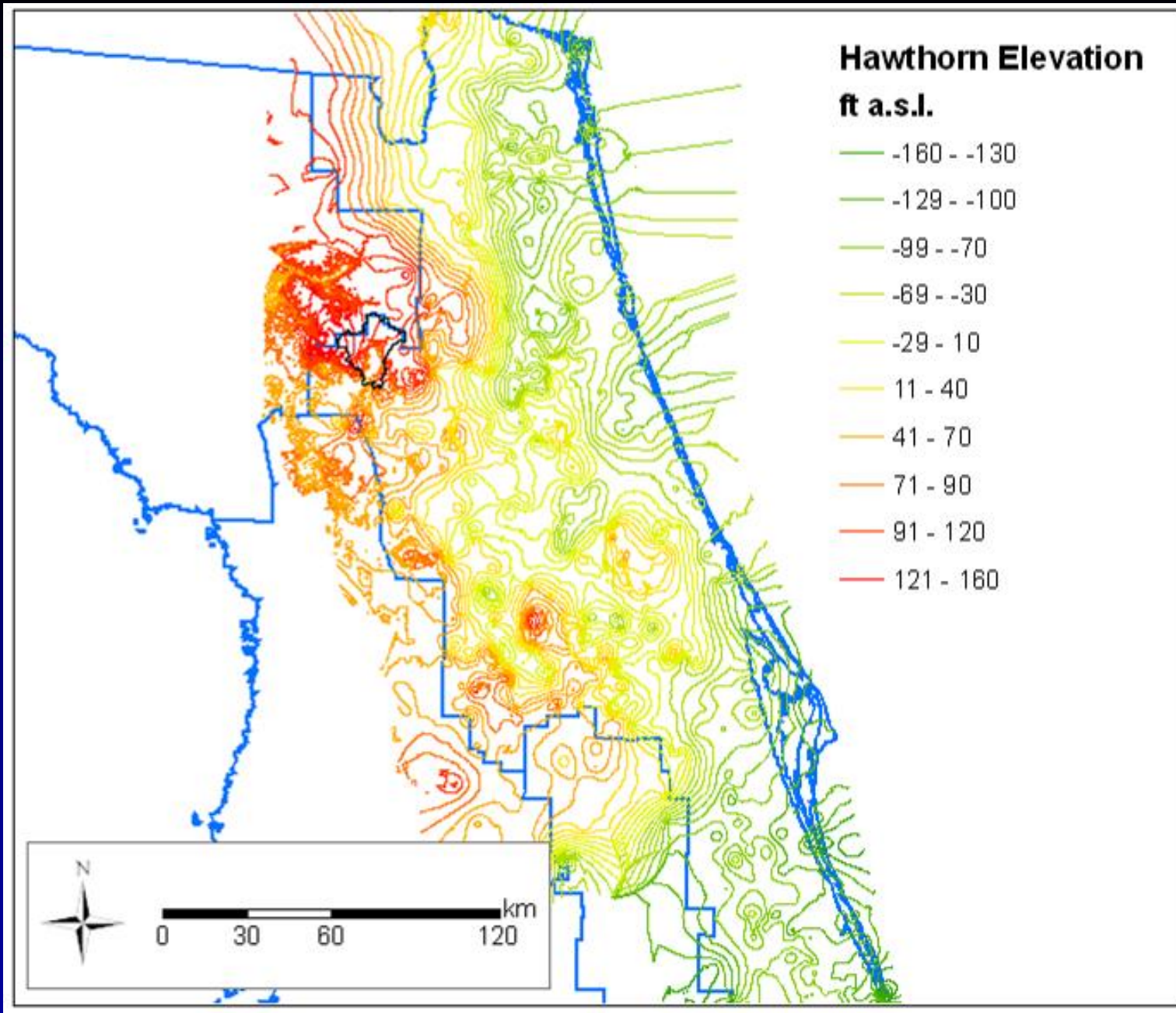


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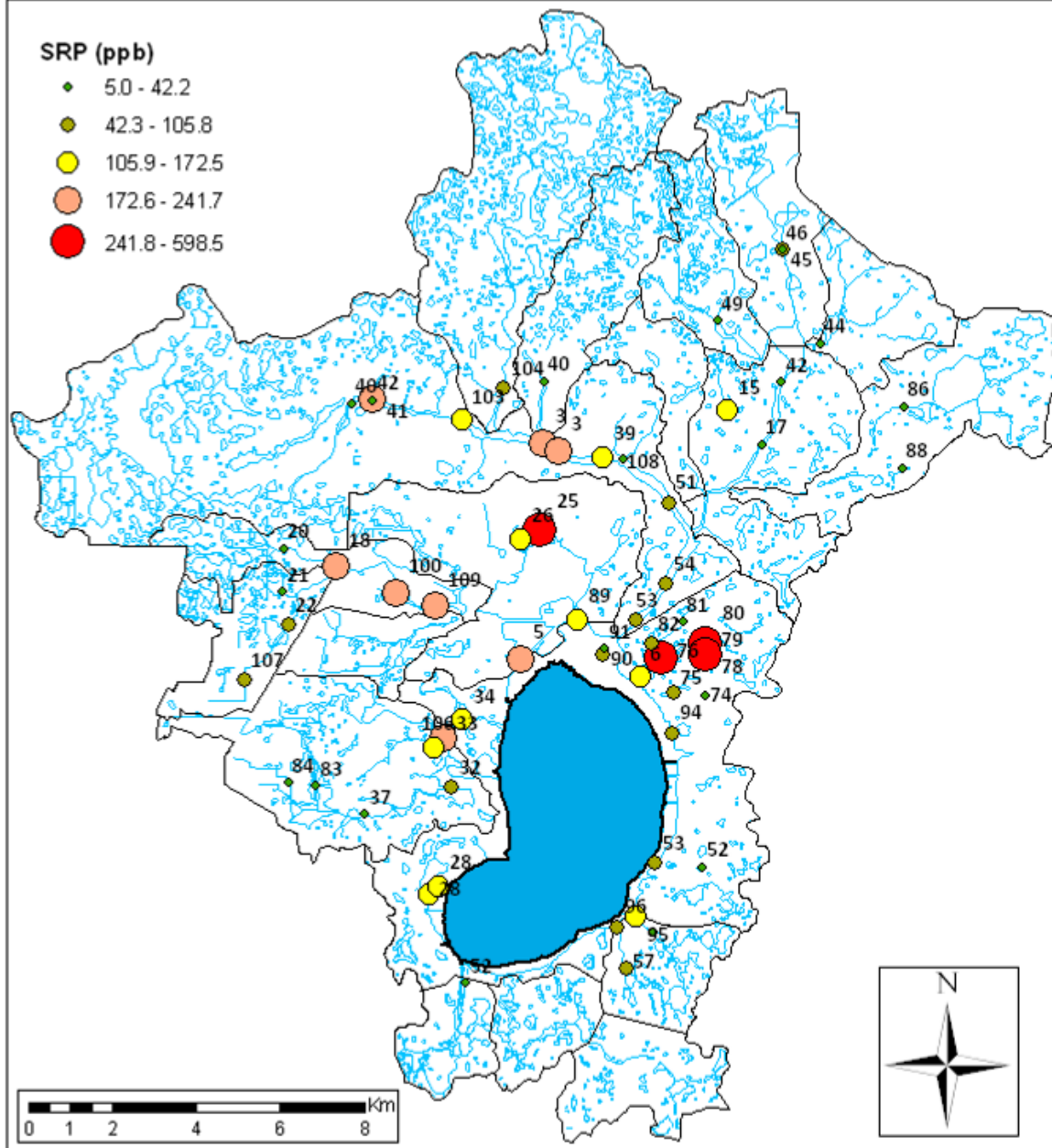
Newnans Lake Basin



Newnans Lake
Basin
in Relation to
the State of Florida



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From Cohen, et al.
2008. Spatial
nutrient loading and
sources of
phosphorus in the
Newnans Lake
watershed.



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Orange Creek Basin FY 2009 Water Quality Stations



0.5 0 0.5 Mile



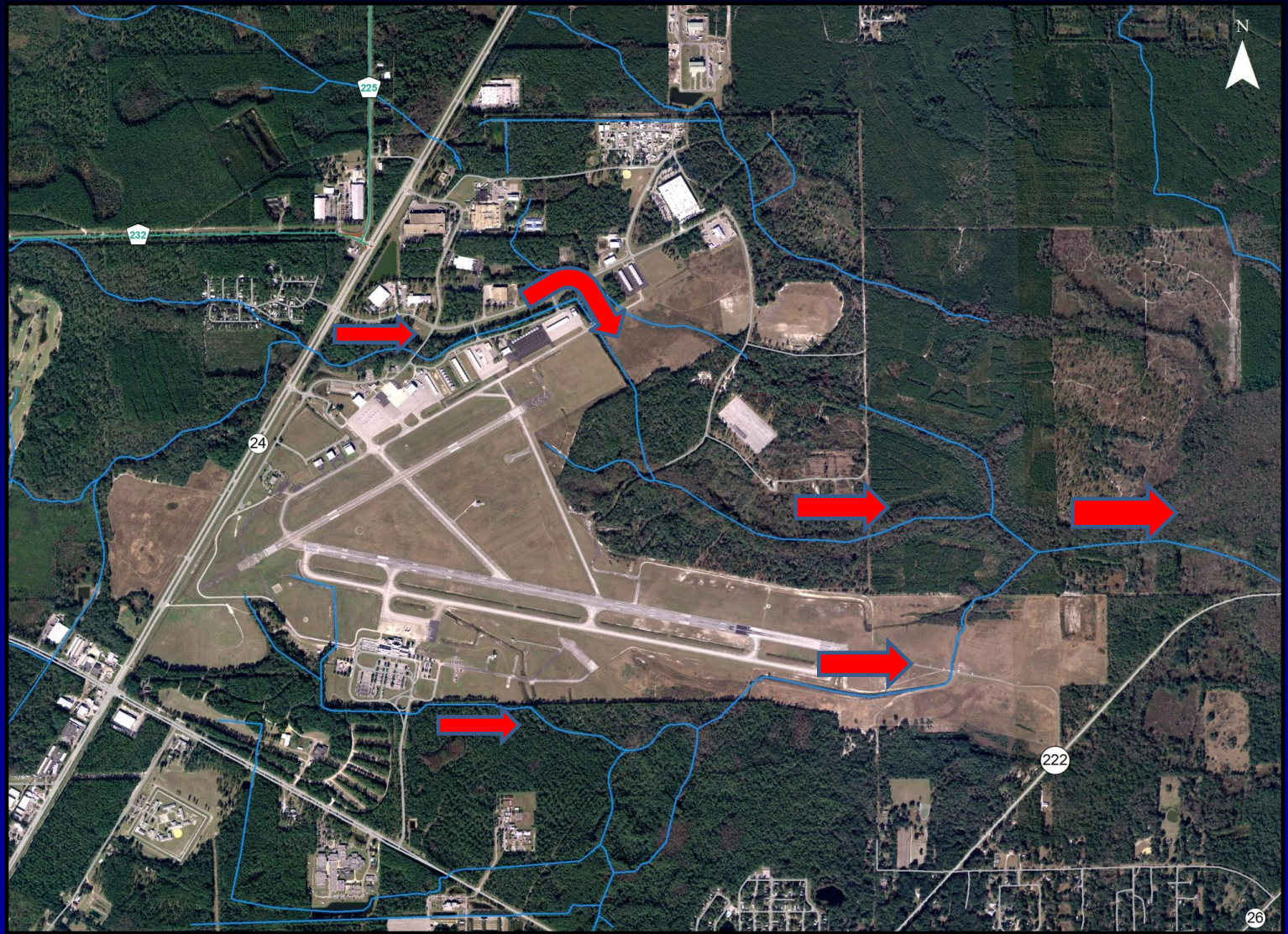
Legend

OCB Program Stations

* Alachua County
DOR Imagery 2008

The St. Johns River Water Management District prepares and uses this information for its own purposes and this information may not be suitable for other purposes. This information is provided as is. Further documentation of this data can be obtained by contacting: St. Johns River Water Management District, Geographic Information Systems, Program Management, P.O. Box 1429, 4049 Reid Street Palatka, Florida 32178-1429 Tel: (386) 329-4176.

Current Hydrography Gainesville Regional Airport



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Gainesville Regional
Airport, Water Quality
Sampling Sites, July
2009

GAINESVILLE REGIONAL AIRPORT

POTENTIAL PROJECTS

1. A large buried pipe extending the entire length of the ditch
2. Baffles along the length of the ditch
3. Harden the edges along the length of the ditch
4. Partial buried pipe and hardening of remaining ditch edge
5. Regional stormwater detention facility
6. Slope sides and vegetate
7. Installation of more Low Impact Development (LID) practices on airport property, such as grassy swales.



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Orange Creek Basin FY 2009 Water Quality Stations



0.5 0 0.5 Mile
[Scale bar]



Legend

● OCB Program Stations

* Alachua County
DOR Imagery 2008

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Irrigating for
freeze
protection



BLUEBERRY FARM

Development of Best Management Practices

- Modify Fertilization Practices
- Modify Hydrology
- Collect Water Quality and Soil Nutrient Data



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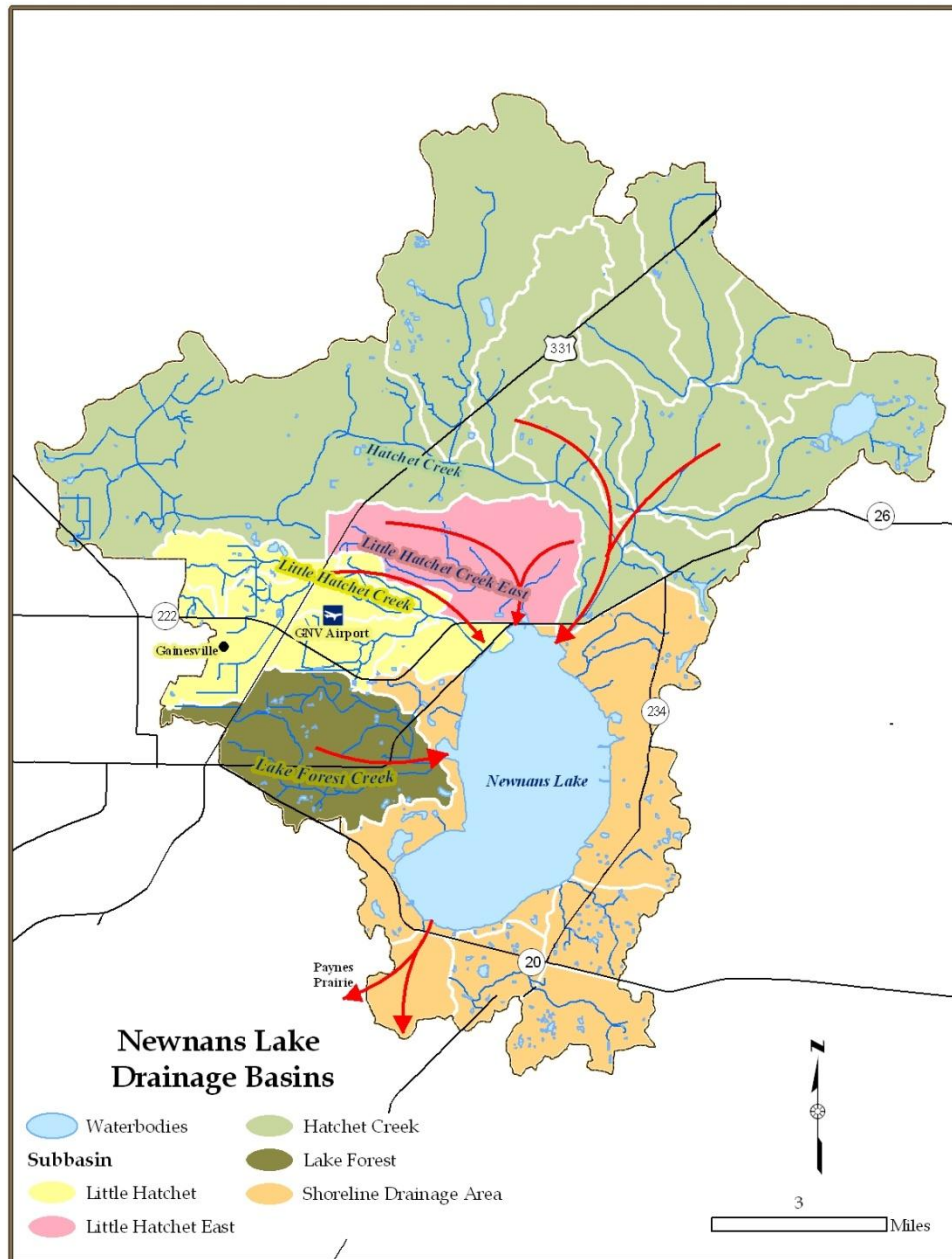
EXTRA SLIDES



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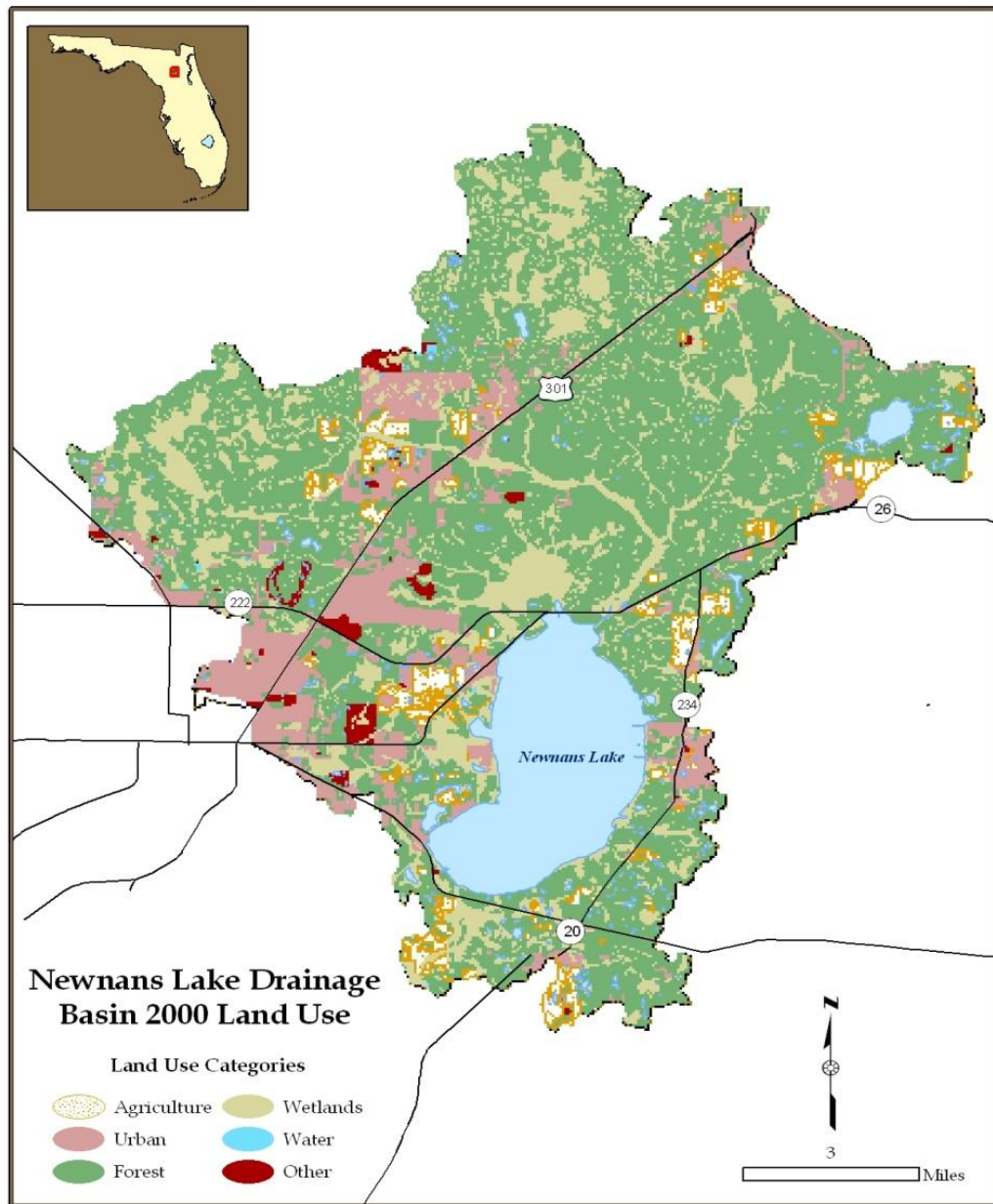


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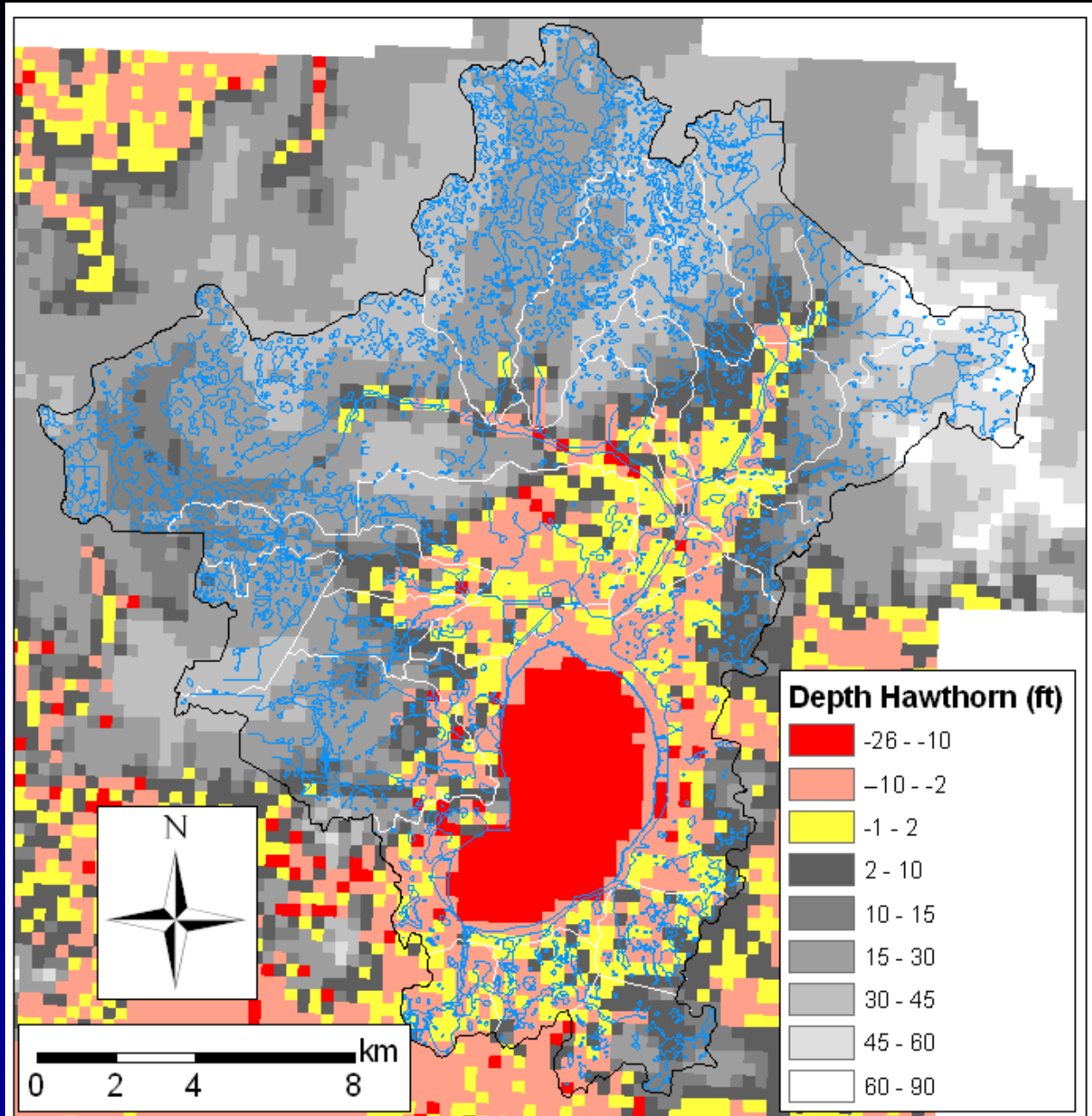


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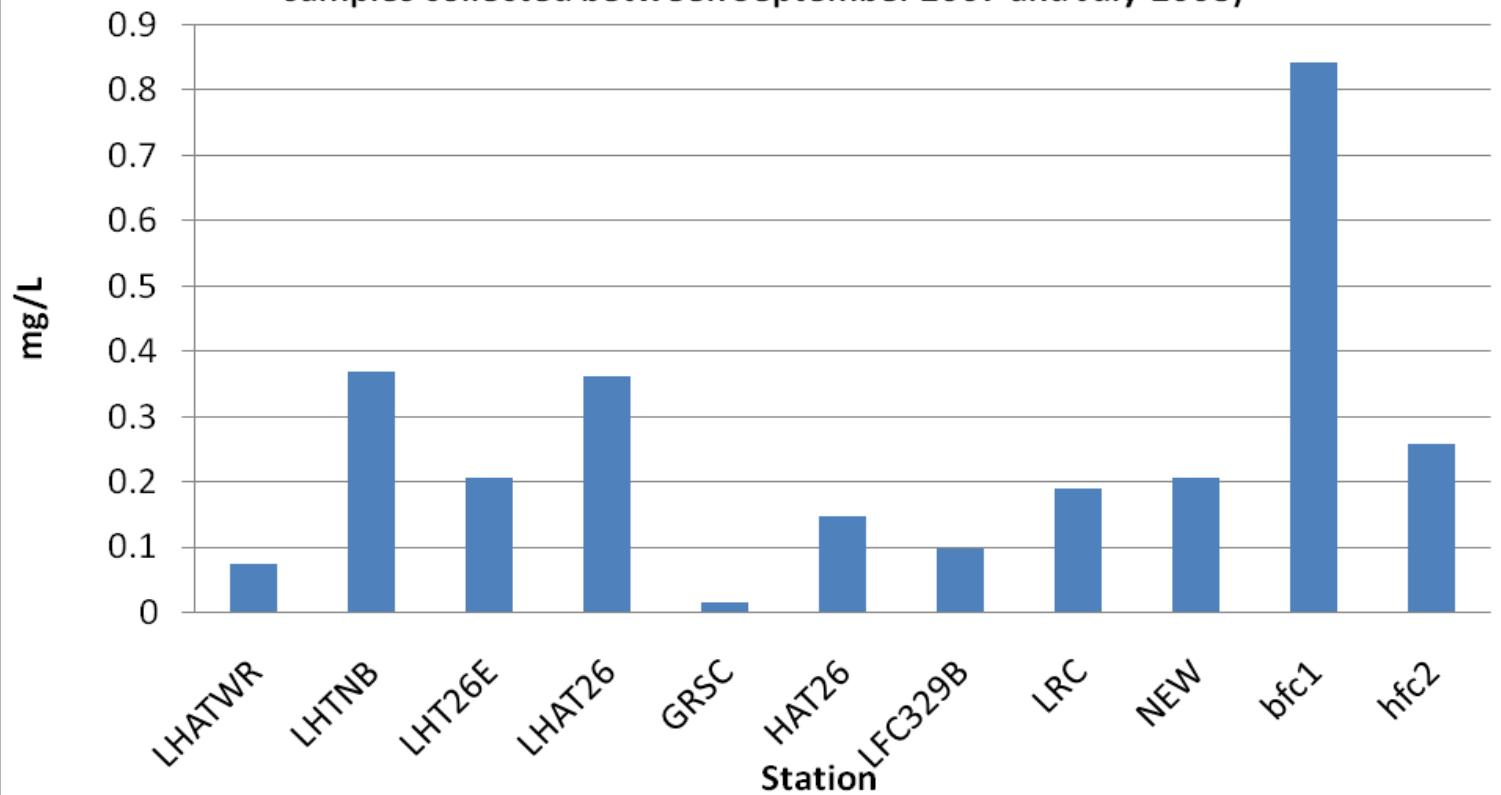




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Long term average TP concentraion in Newnans Lake and tributaries around the lake (P concentration at bcf1 is based on the storm water samples collected between September 2007 and July 2008)



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