

A photograph of a small, clear stream flowing over dark, moss-covered rocks in a dense, green forest. The water is white with foam as it cascades over the rocks. The surrounding vegetation is thick and vibrant green.

Alachua County - Ambient Water Quality Data

Fecal Coliform Bacteria

Available Data

- Fecal Coliform samples are collected as part of baseflow monitoring for Sweetwater, Tumblin, Hogtown, Possum, Lake Forest, Little Hatchet and Hatchet creeks
- Data available from 2001 to the present. Analyses were performed by MPN (most probable number) and MF (membrane filter).
- The data set presented on the following maps includes only samples collected from June 2004 thorough July 2005
- All analyses, performed by ABC Research, Inc. from June 2004 thorough July 2005, were analyzed using membrane filter (MF) techniques (SM-9222D)
- Following maps show the geometric mean ($\text{GeoMean} = n^{\text{th}} \text{ root of } (X_1)(X_2) \dots (X_n)$) of the sample results for each station

ACEPD MF Fecal Coliform 2004-2005 Summary -- Tumblin/Bivens Arm

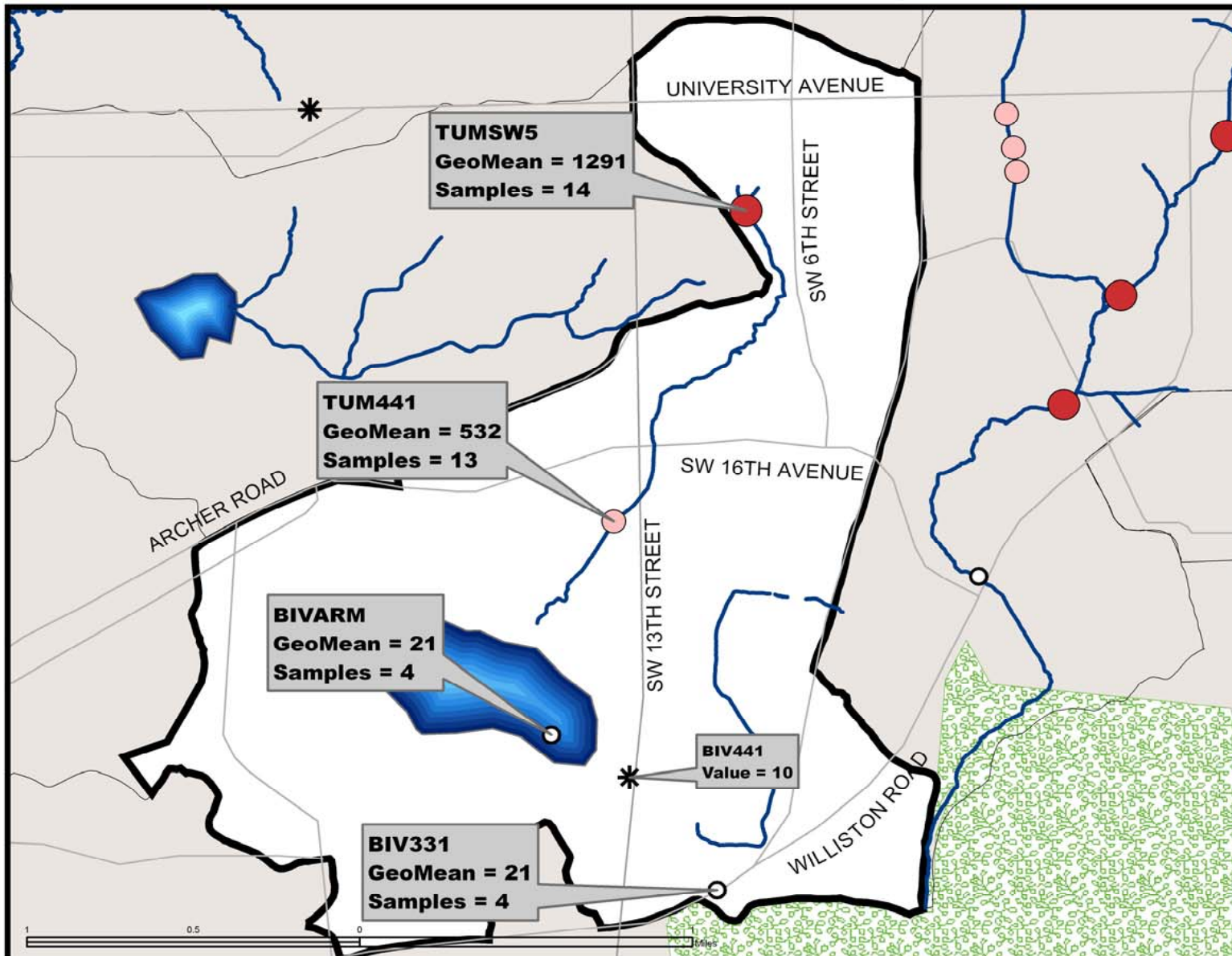
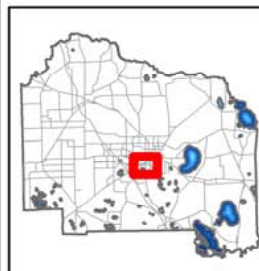


Map created
11/30/2005
for the
December 2005
TMDL Meeting

Legend

ACEPD Stations

- 21 - 400
- 400 - 799
- 800 - 7534
- * Single Sample
- Creeks
- Roads
- Lakes
- Paynes Prairie



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ACEPD MF Fecal Coliform 2004-2005 Summary -- Sweetwater Branch

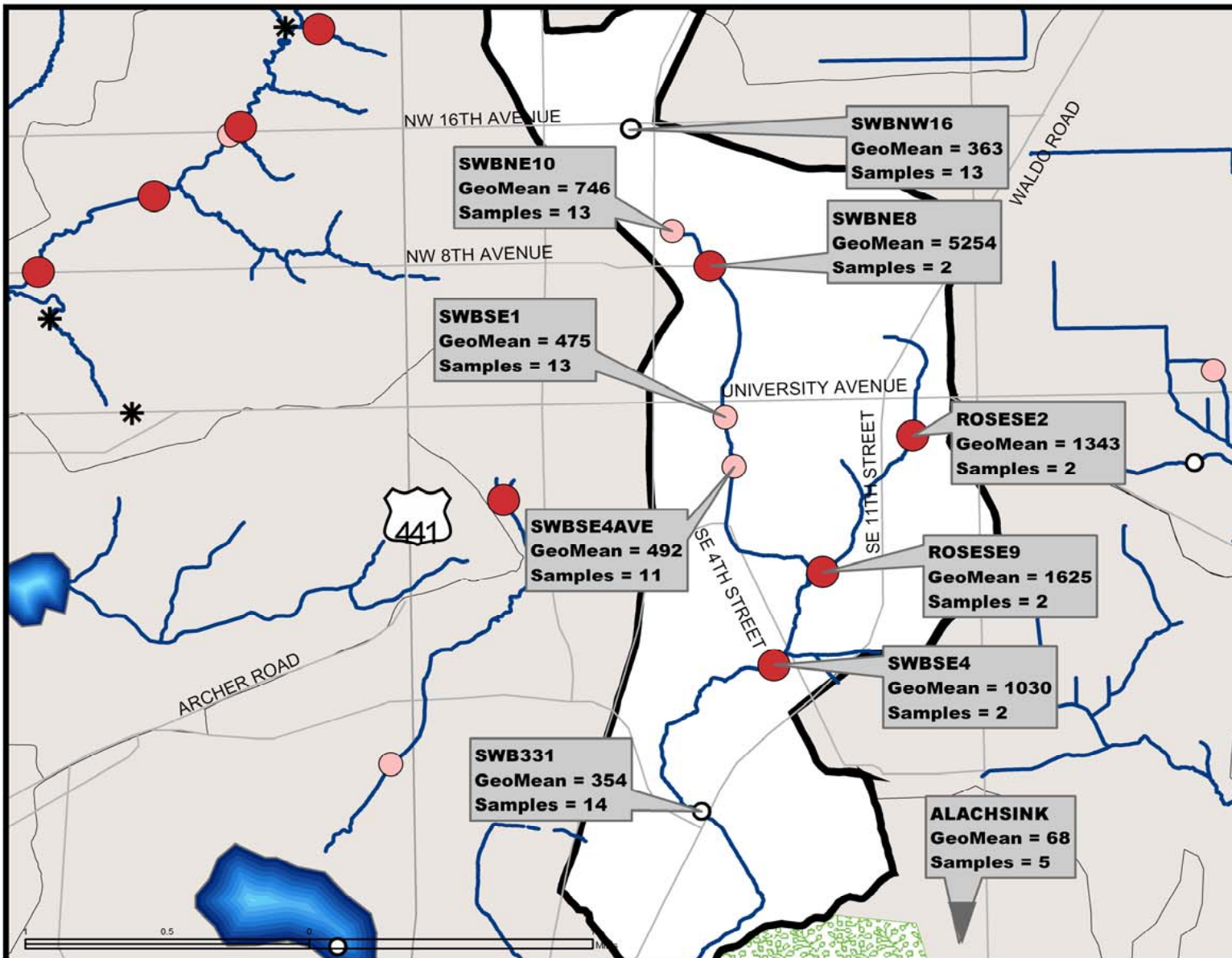
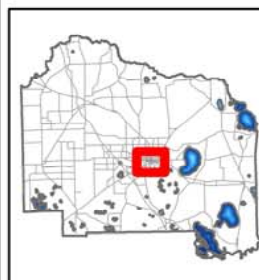


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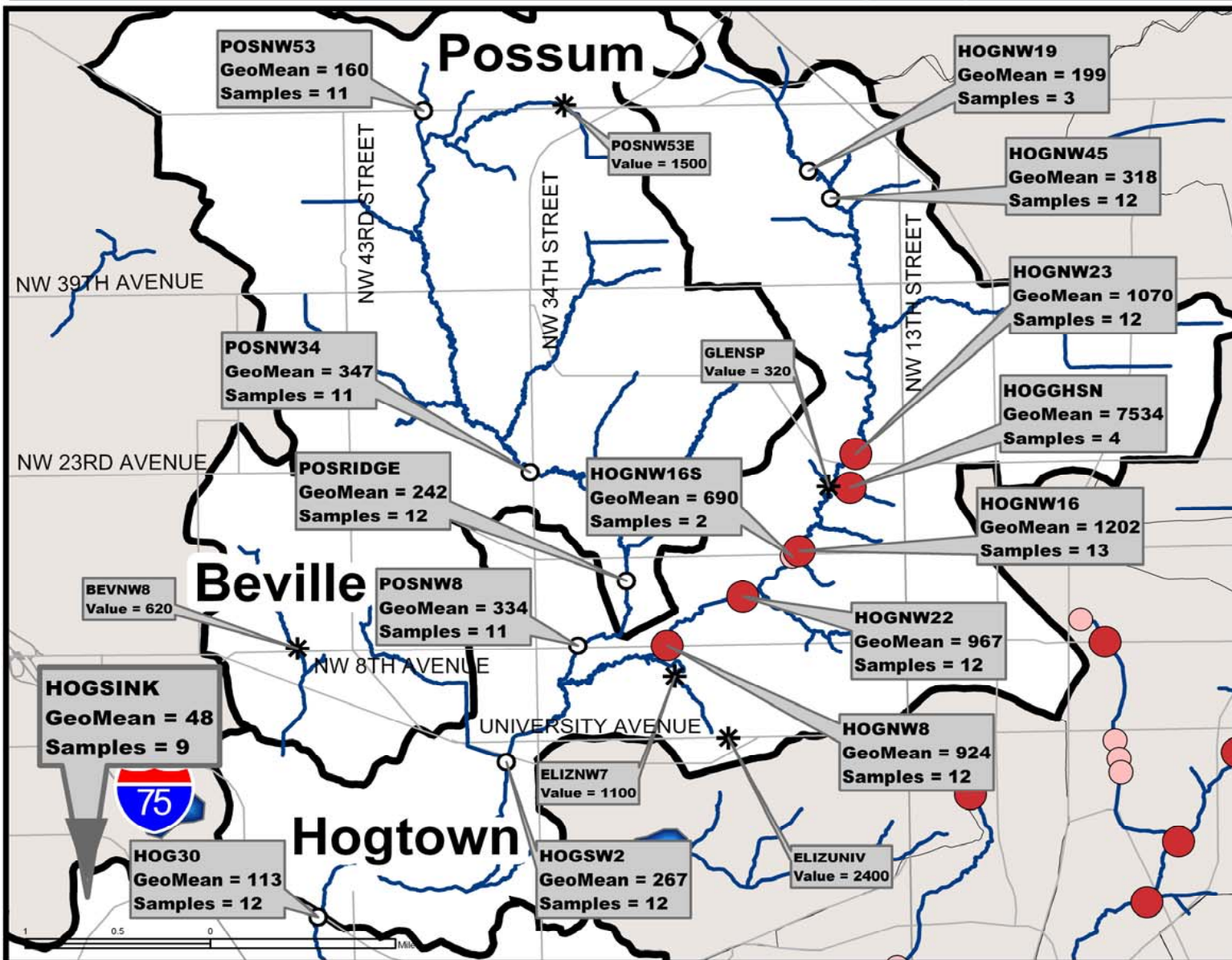
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ACEPD MF Fecal Coliform 2004-2005 Summary -- Hogtown/Possum/Beville

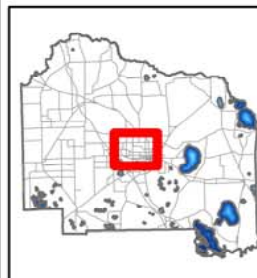


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ACEPD MF Fecal Coliform 2004-2005 Summary -- Lake Forest

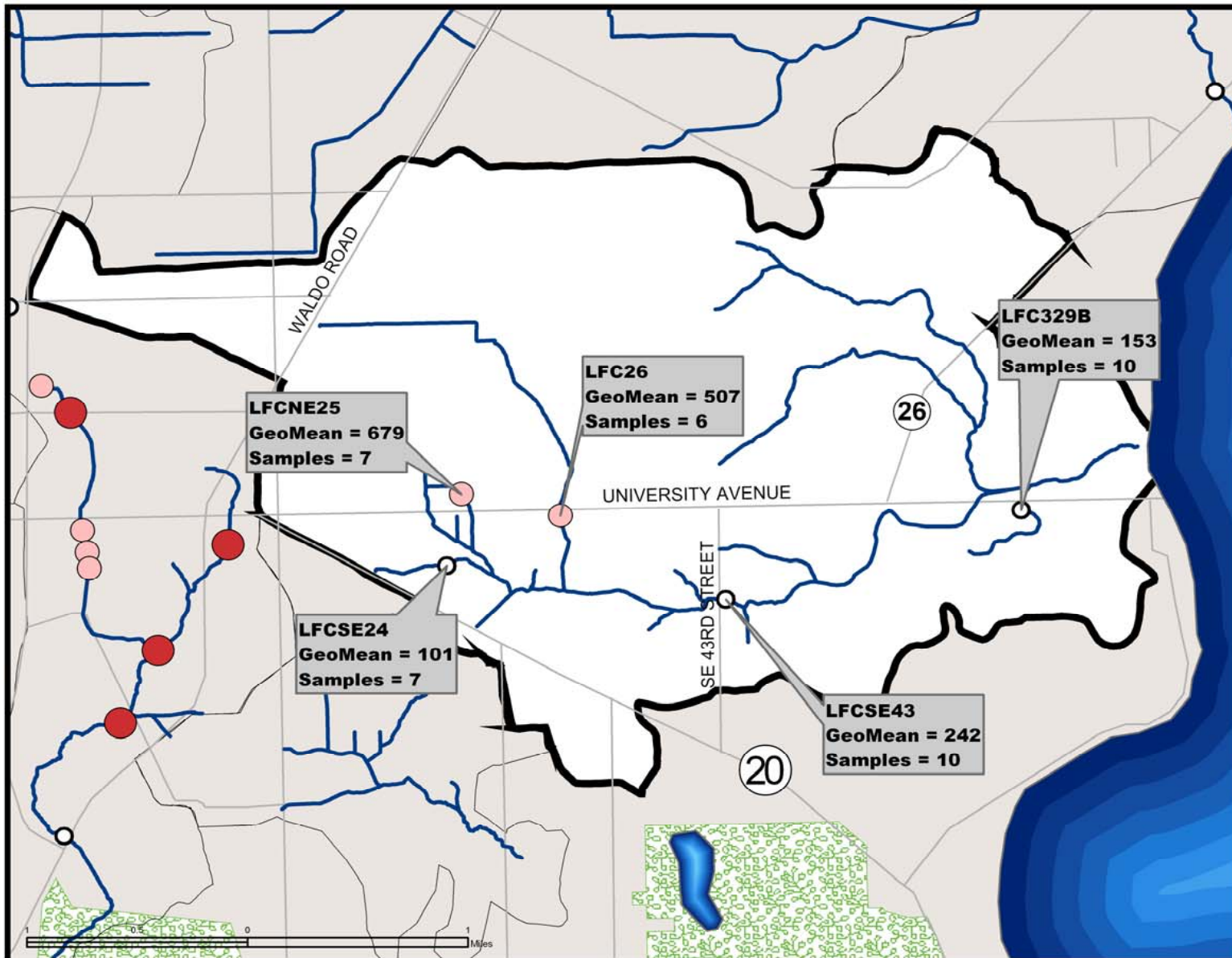
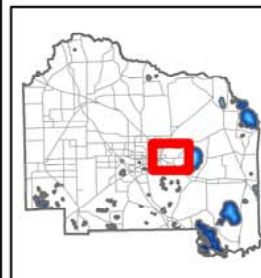


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ACEPD MF Fecal Coliform 2004-2005 Summary -- Hatchet/Little Hatchet

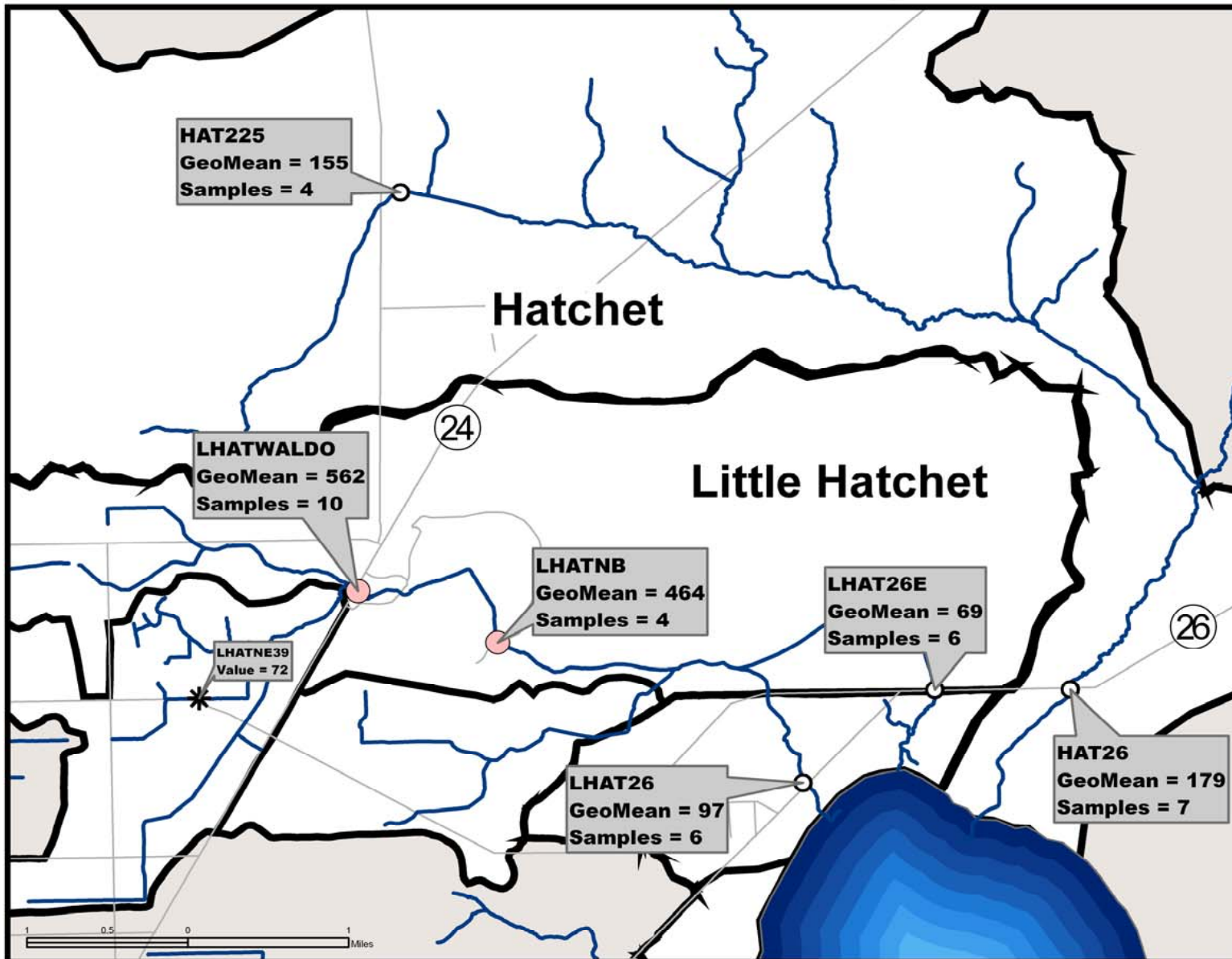
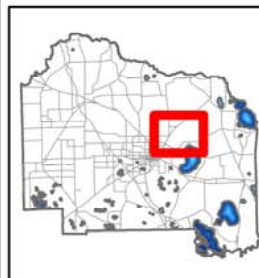


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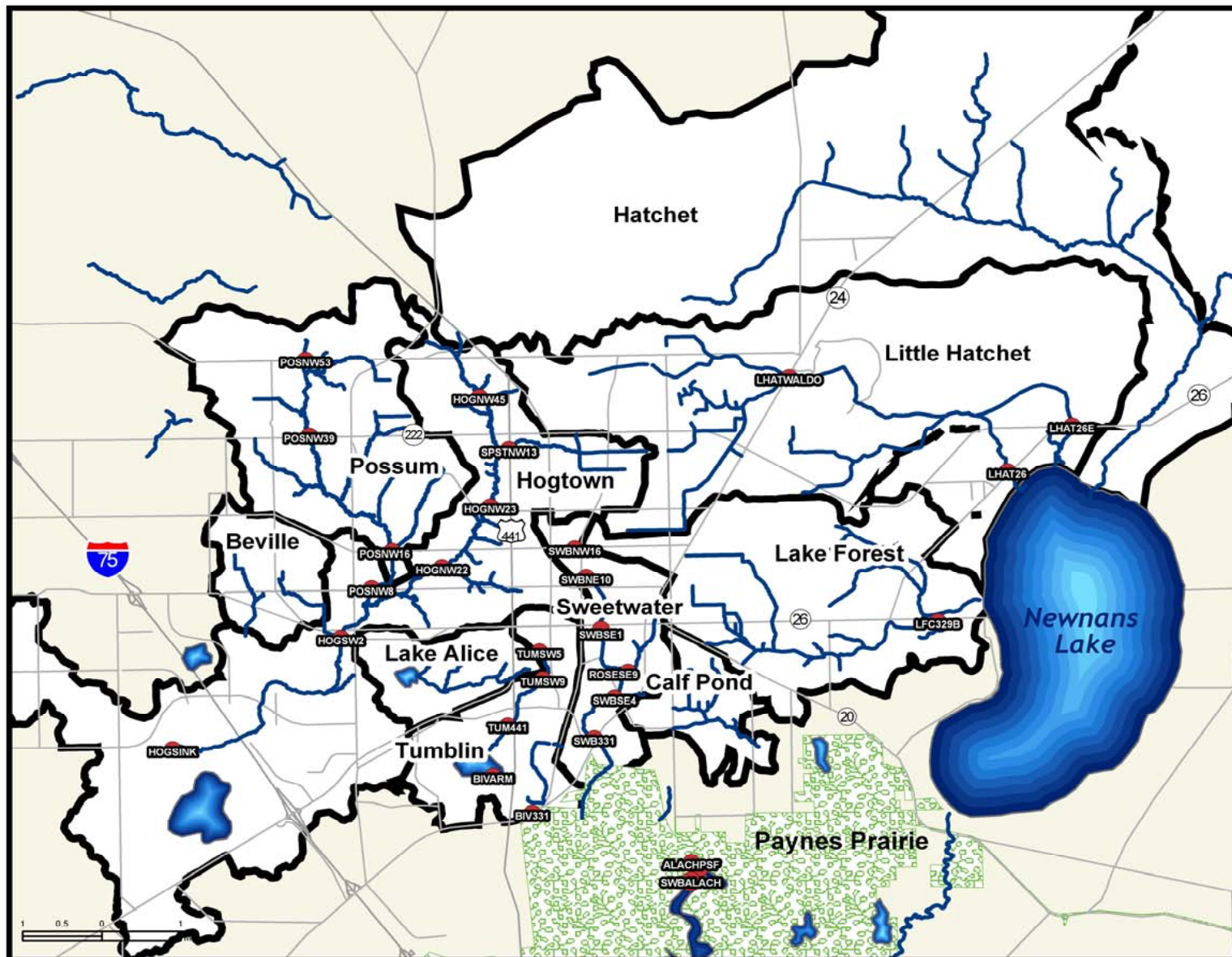
Fecal Coliform - Special Projects

- Continued baseflow monitoring at selected sites
- Additional sampling in specific target areas
 - Increased sampling frequency for short duration studies
 - Optical Brighteners
 - Analyses of *E. coli* and *Clostridium perfringens*
 - *E. coli* is considered a more specific indicator of fecal contamination
 - *Clostridium perfringens* is an anaerobic bacteria used as a conservative tracer of sewage derived pollution
- Tumblin Creek – entire watershed
- Sweetwater Branch and Rosewood – selected areas including Rosewood and other tributaries
- Hogtown Creek – NW39th Avenue to University
- Hatchet Creek – selected sites upstream of SR26
 - Preliminary November 2005 data from 9 sites have a Fecal Coliform geometric mean of 149 /100mL
 - Iron concentrations ranged from 1050 to 1400 ug/L
- Lake Forest Creek – headwaters and tributaries north of SR26
- Little Hatchet Creek – Waldo Road area and the airport

Gainesville's Urban Drainage Basins - ACEPD's 2006 WQ Sampling Sites

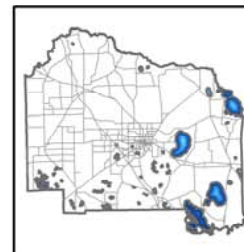


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- Sampling Sites
- Creeks
- Roads
- Lakes
- Paynes Prairie

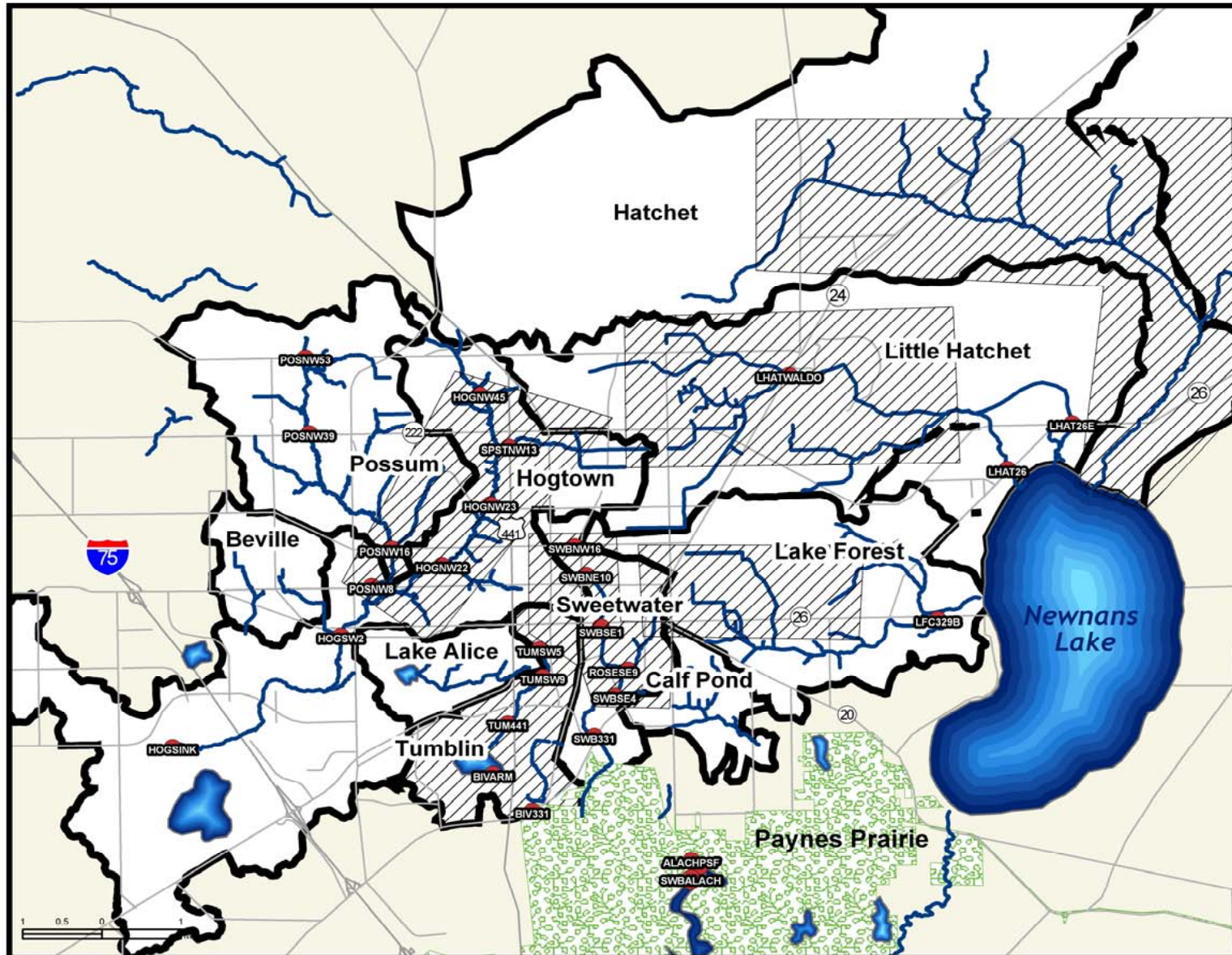


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Gainesville's Urban Drainage Basins - ACEPD's Special Study Areas

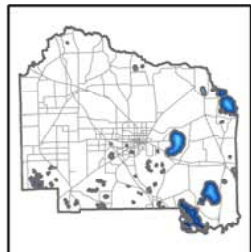


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