

Pollutant Loading Projects SIMPLE Model

May 23, 2013

SIMPLE-Seasonal models

- A direct-runoff (surface water loading).
- An infiltration-recharge model
 - includes pollutant loads from infiltration, point sources, and onsite sewage disposal systems (OSDS) or septic systems.
- The percolation model
 - includes pollutant loads from percolation of runoff at natural and constructed retention areas with BMPs applied to the percolation at constructed retention areas.

Elements 3.1-3.4

Survey & Watershed Model Development & Floodplain Analysis

Legend

I-75

Planning Unit

Basin

Element 3.1-3.4 - Survey & Watershed Model Development & Floodplain Analysis

Not Scheduled

Complete

2005/06

2006/07

2007/08

2008/09

2009/10

2010/11

2011/12

2012/13

2013/14

2014/15

2015/16

2016/17

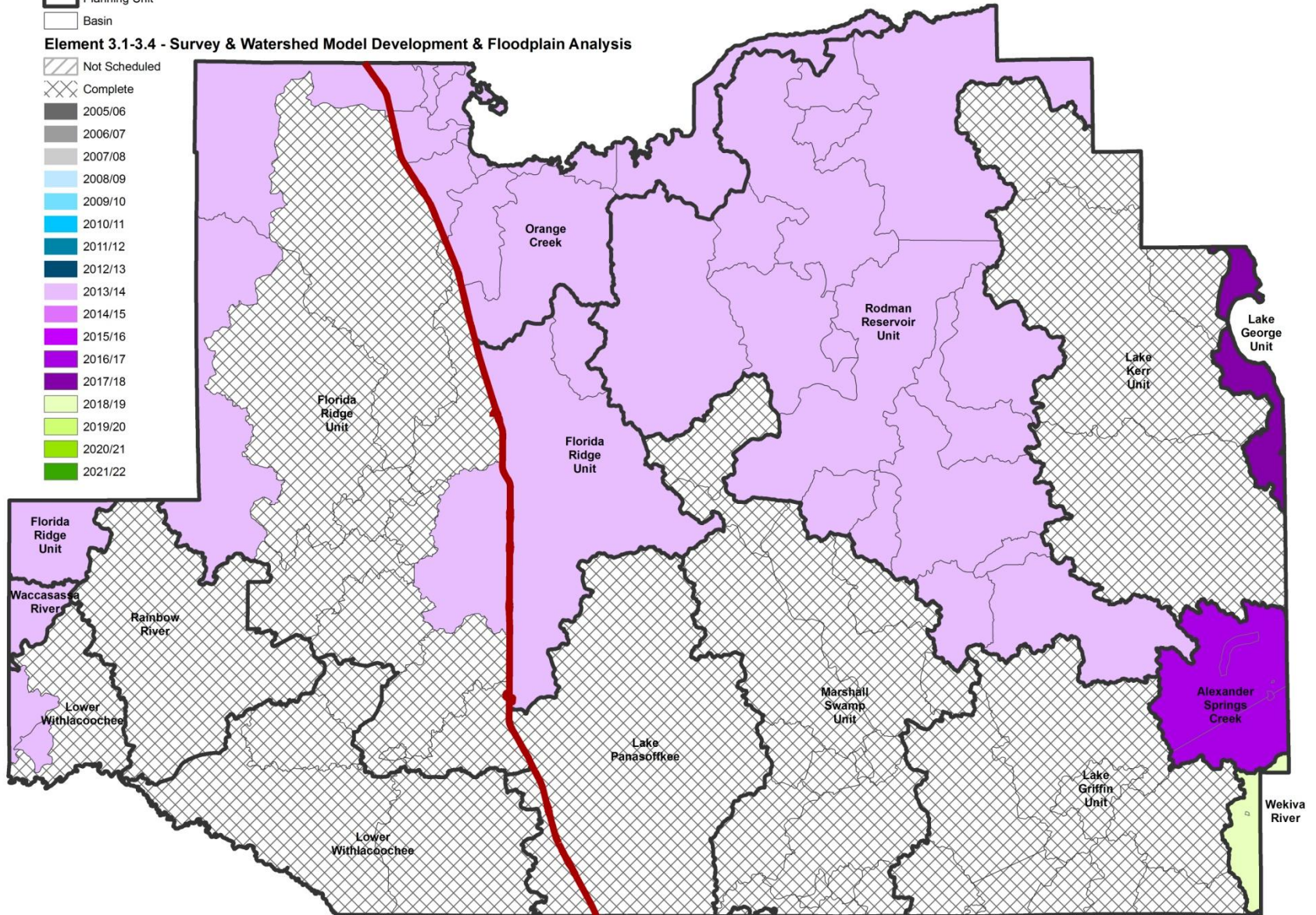
2017/18

2018/19

2019/20

2020/21

2021/22



Elements 3.9

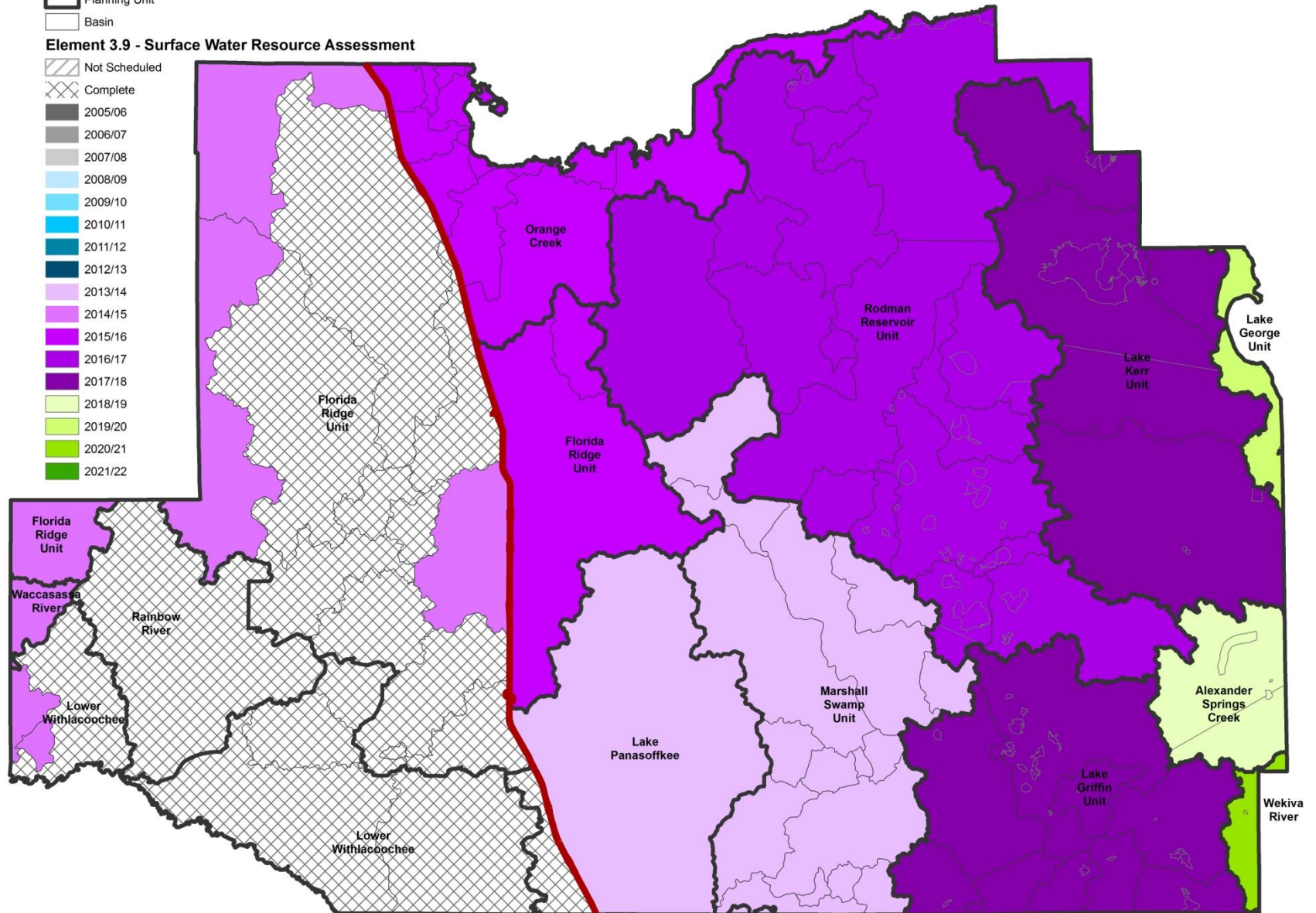
Surface Water Resource Assessment

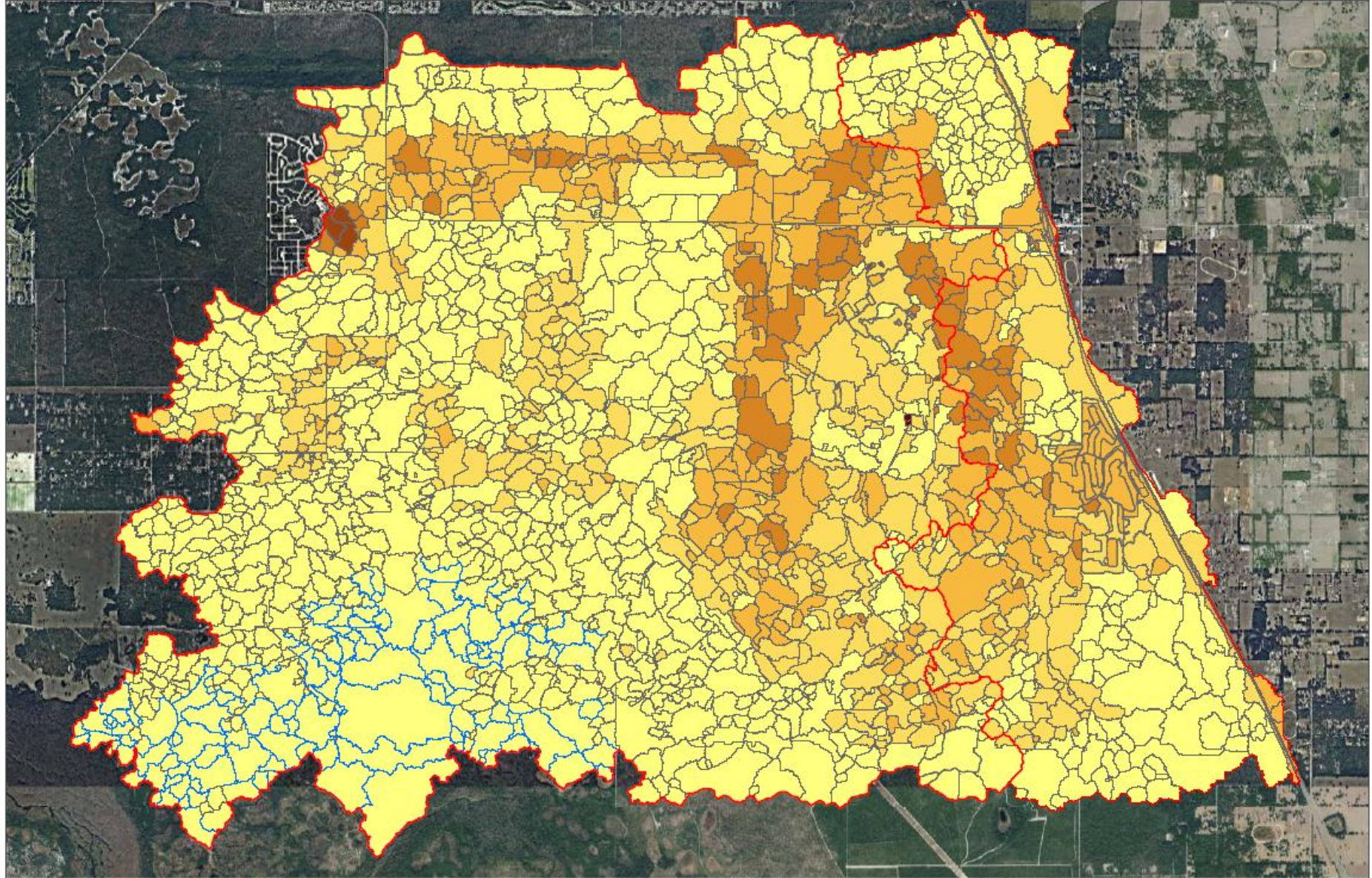
Legend

- I-75
- Planning Unit
- Basin

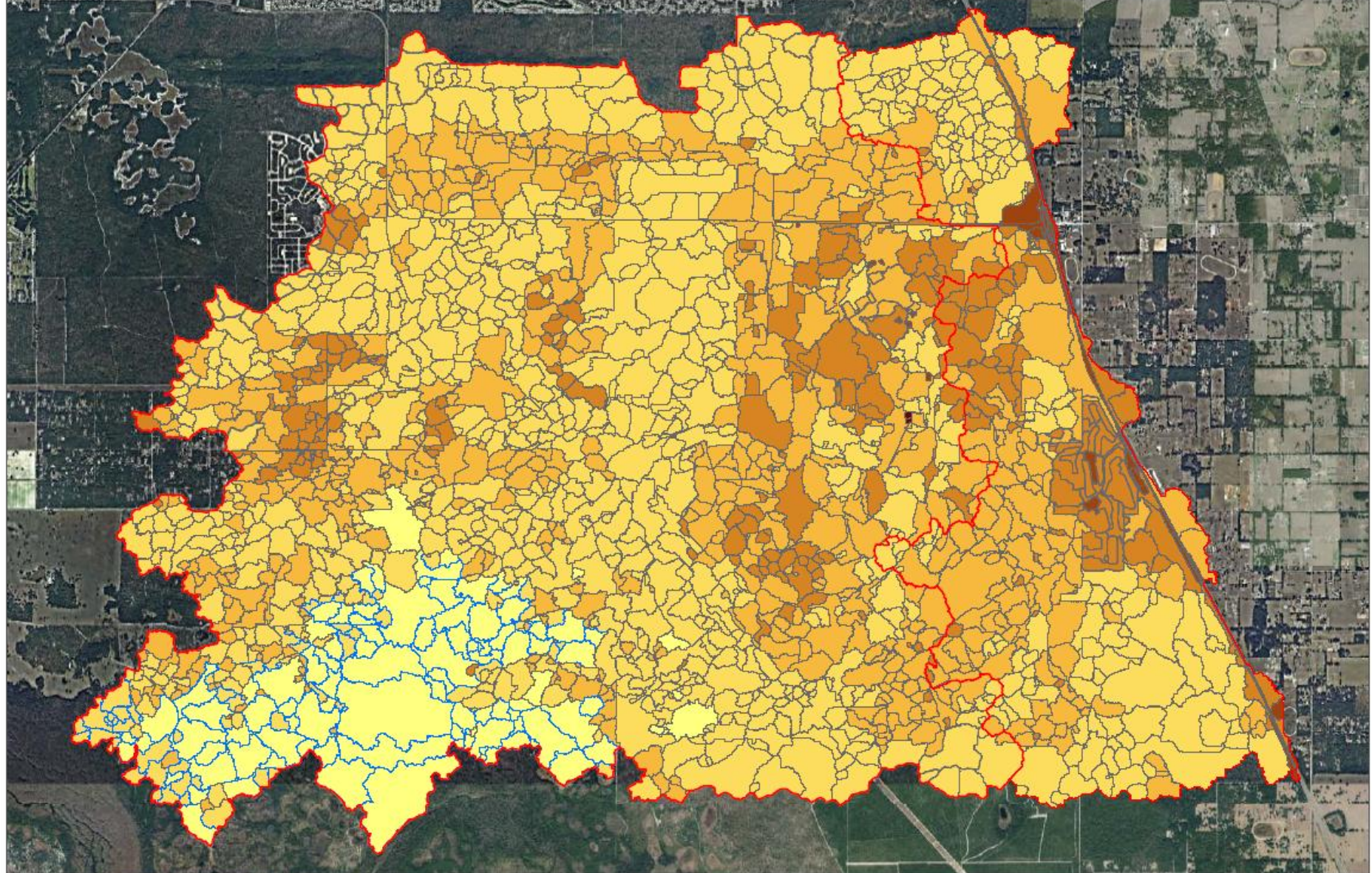
Element 3.9 - Surface Water Resource Assessment

- Not Scheduled
- Complete
- 2005/06
- 2006/07
- 2007/08
- 2008/09
- 2009/10
- 2010/11
- 2011/12
- 2012/13
- 2013/14
- 2014/15
- 2015/16
- 2016/17
- 2017/18
- 2018/19
- 2019/20
- 2020/21
- 2021/22

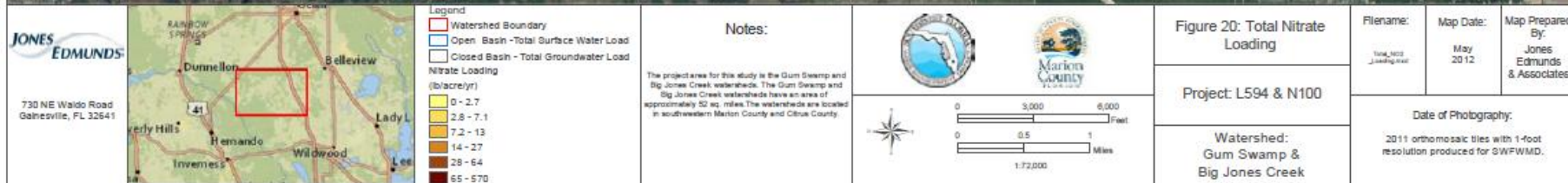
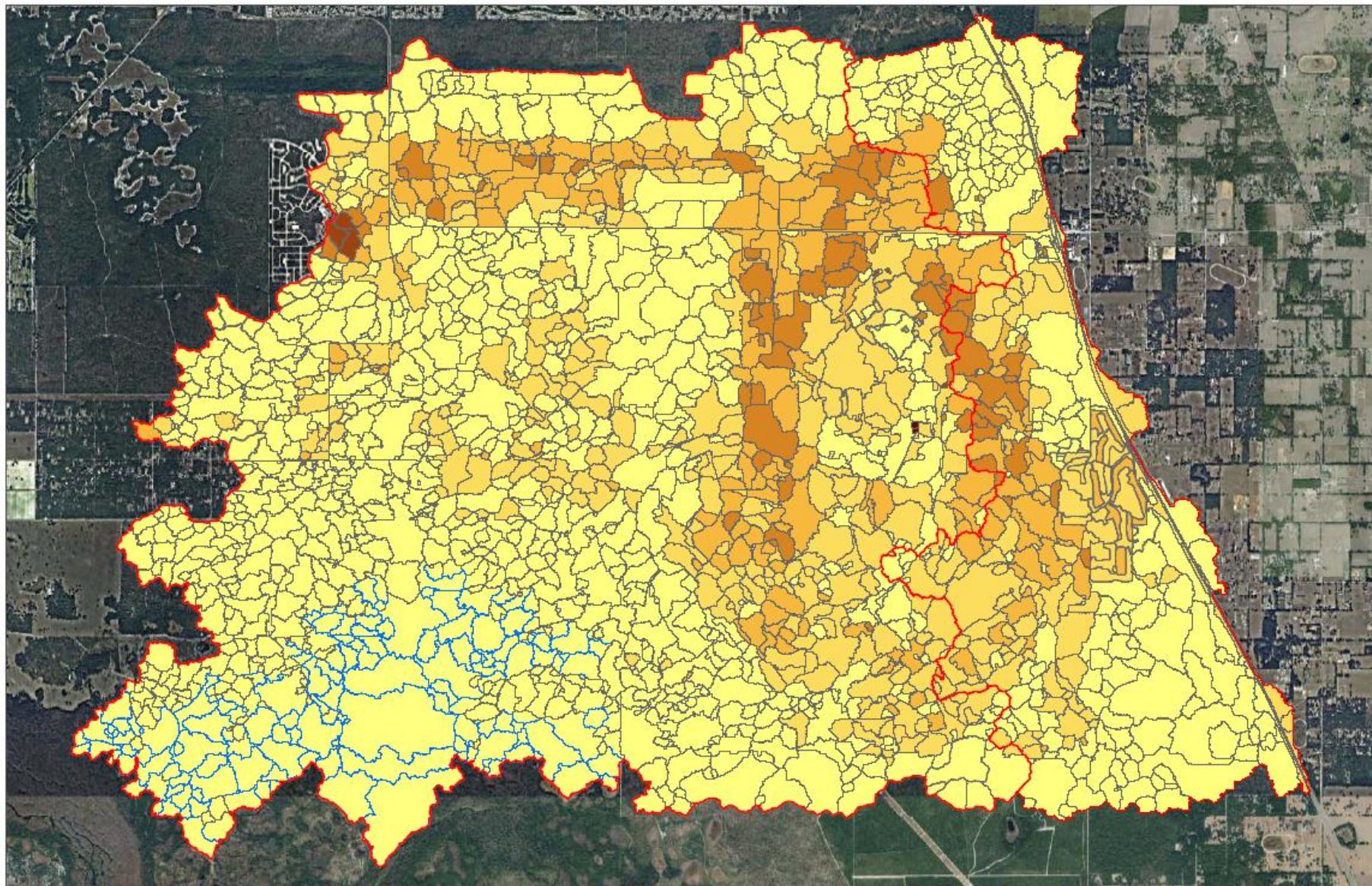




 730 NE Waldo Road Gainesville, FL 32641		Legend - Watershed Boundary - Open Basin - Total Surface Water Load - Closed Basin - Total Groundwater Load TN Loading (lb/acre/yr) 0 - 3.8 3.9 - 8.4 8.5 - 15 16 - 31 32 - 72 73 - 670	Notes: The project area for this study is the Gum Swamp and Big Jones Creek watersheds. The Gum Swamp and Big Jones Creek watersheds have an area of approximately 52 sq. miles. The watersheds are located in southwestern Marion County and Citrus County.	  0 3,000 6,000 Feet 0 0.5 1 Miles 1:72,000	Figure 21: Total TN Loading Project: L594 & N100 Watershed: Gum Swamp & Big Jones Creek	Filename: Total_TN>Loading.tif Map Date: May 2012 Map Prepared By: Jones Edmunds & Associates Date of Photography: 2011 orthomosaic tiles with 1-foot resolution produced for SWFWMD.



 730 NE Waldo Road Gainesville, FL 32641		Legend - Watershed Boundary - Open Basin - Total Surface Water Load - Closed Basin - Total Groundwater Load TKN Loading (lb/ac/yr) 0 - 0.57 0.58 - 1.3 1.4 - 2.5 2.6 - 5.1 5.2 - 13 14 - 100	Notes: The project area for this study is the Gum Swamp and Big Jones Creek watersheds. The Gum Swamp and Big Jones Creek watersheds have an area of approximately 52 sq. miles. The watersheds are located in southwestern Marion County and Citrus County.	  0 3,000 6,000 Feet 0 0.5 1 Miles 1:72,000	Figure 19: Total TKN Loading Project: L594 & N100 Watershed: Gum Swamp & Big Jones Creek	Filename: Total_TKN>Loading.mxd Map Date: March 2012 Map Prepared By: Jones Edmunds & Associates Date of Photography: 2011 orthomosaic tiles with 1-foot resolution produced for SWFWMD.



Elements 3.10

Capital Projects - Identification, Preliminary Design, Cost-Benefit Analysis

