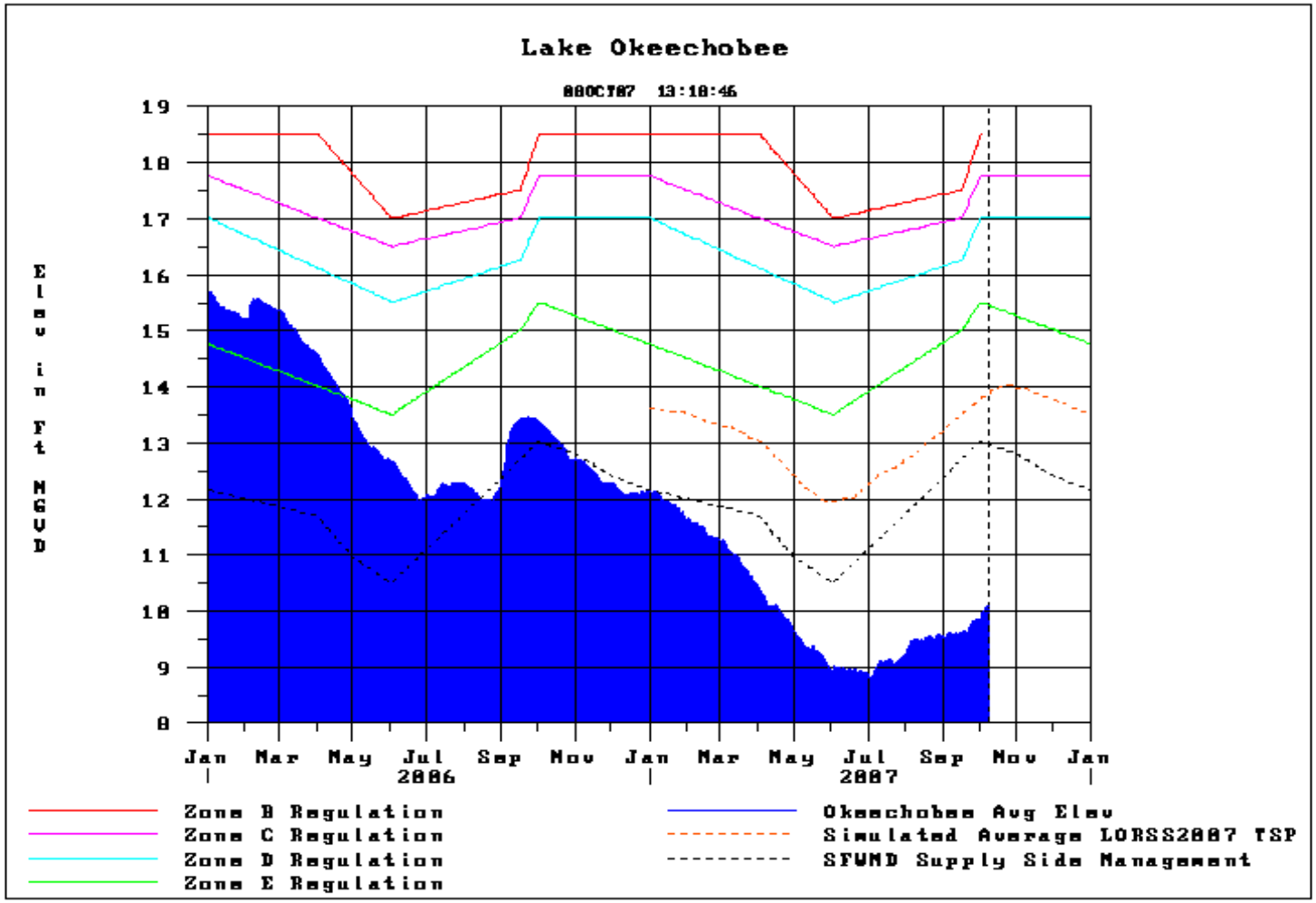
Lake Okeechobee Status Update

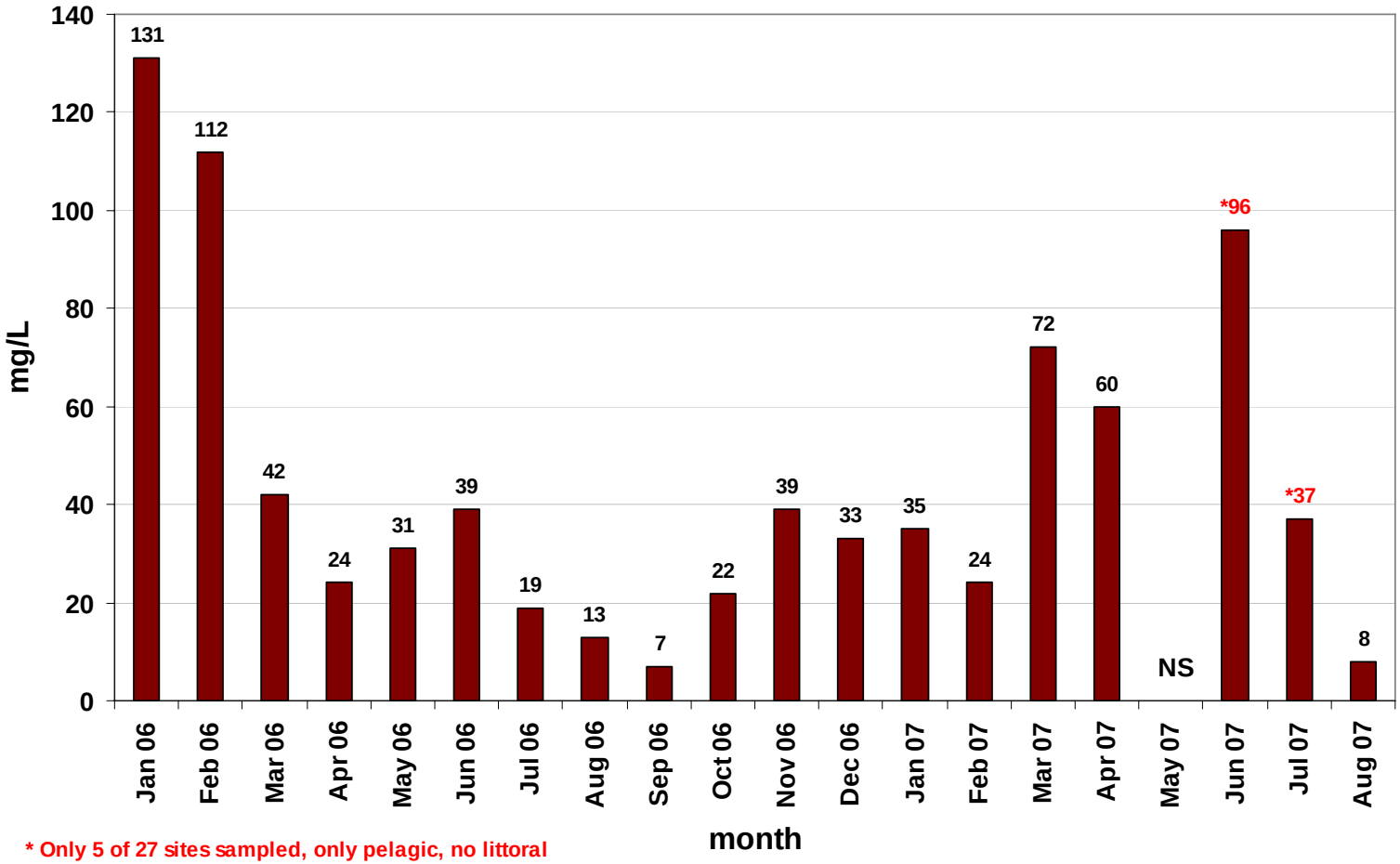
Governing Board Meeting – October 11, 2007

Susan Gray, Ph.D.

Lake Stage

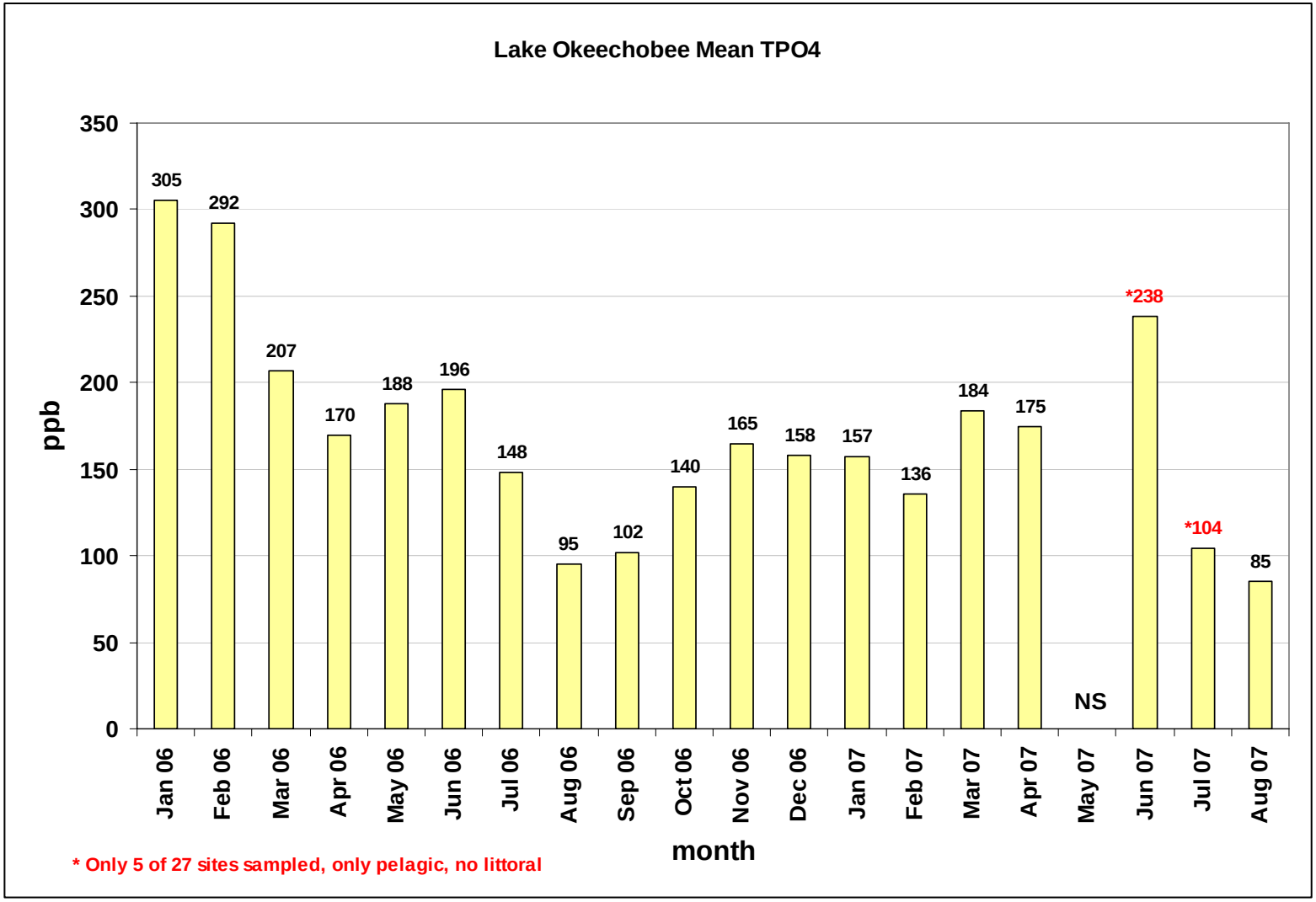

Lake Okeechobee
08OCT07 13:18:46
Elev in Ft NGVD
19
18
17
16
15
14
13
12
11
10
9
8
Jan
Mar
May
Jul
2006
Sep
Nov
Jan
Mar
May
Jul
2007
Sep
Nov
Jan
Zone B Regulation
Zone C Regulation
Zone D Regulation
Zone E Regulation
Okeechobee Avg Elev
Simulated Average LORSS2007 TSP
SFWMD Supply Side Management

Water Quality – Total Suspended Solids

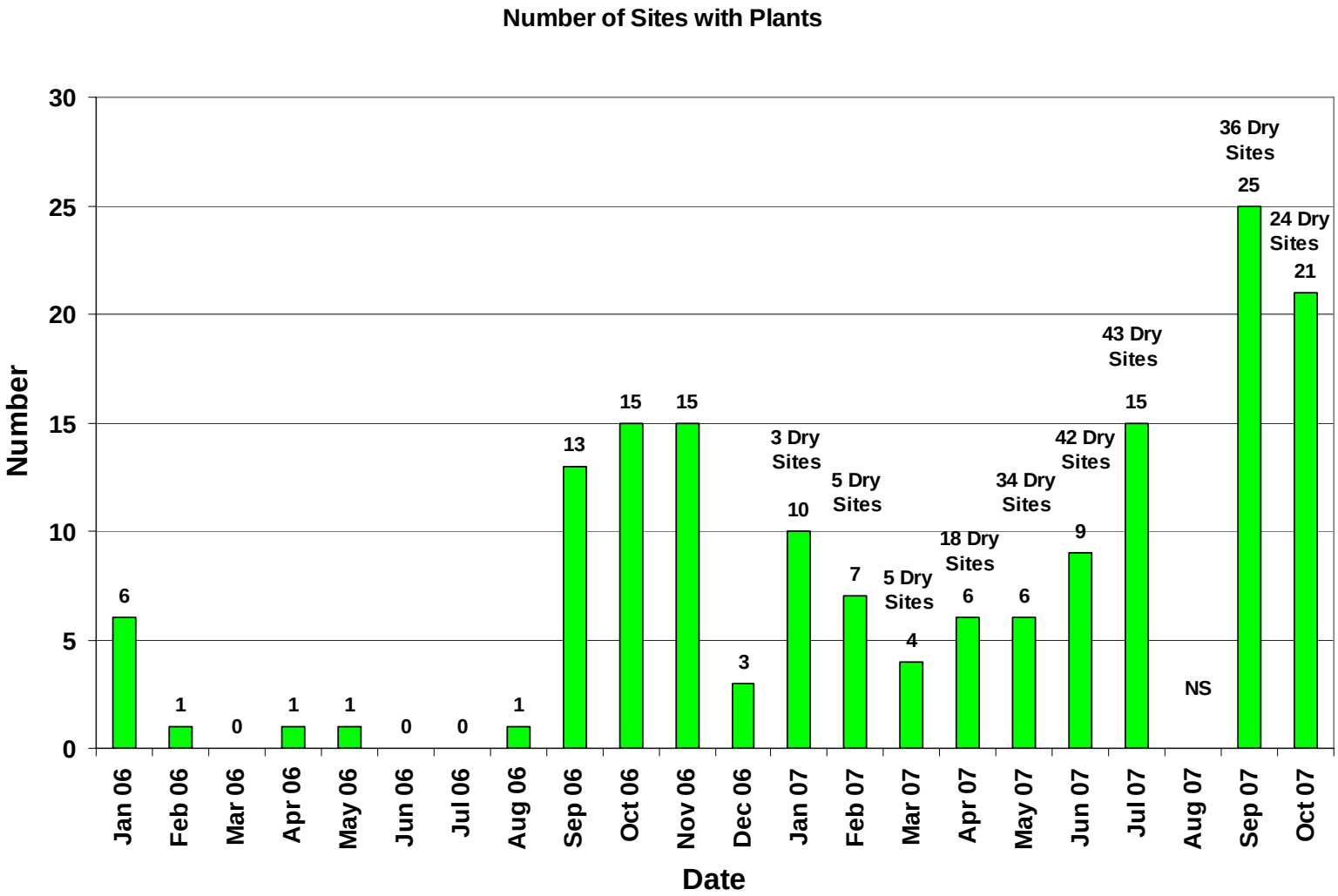


* Only 5 of 27 sites sampled, only pelagic, no littoral

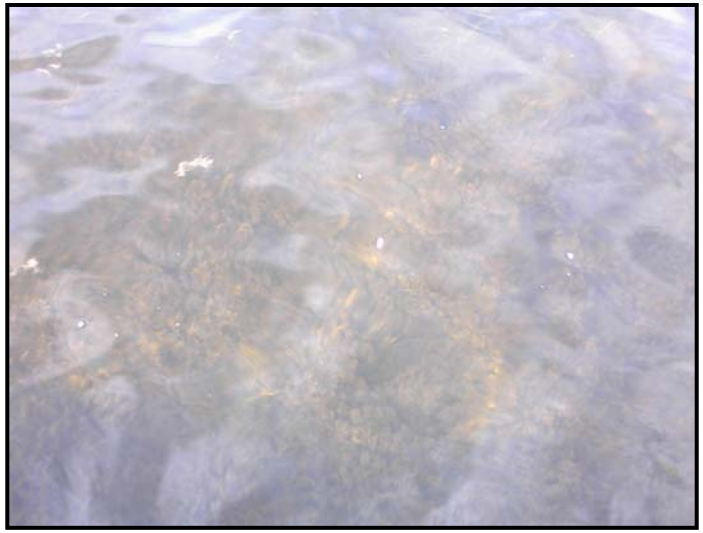
Water Quality – Total Phosphorus

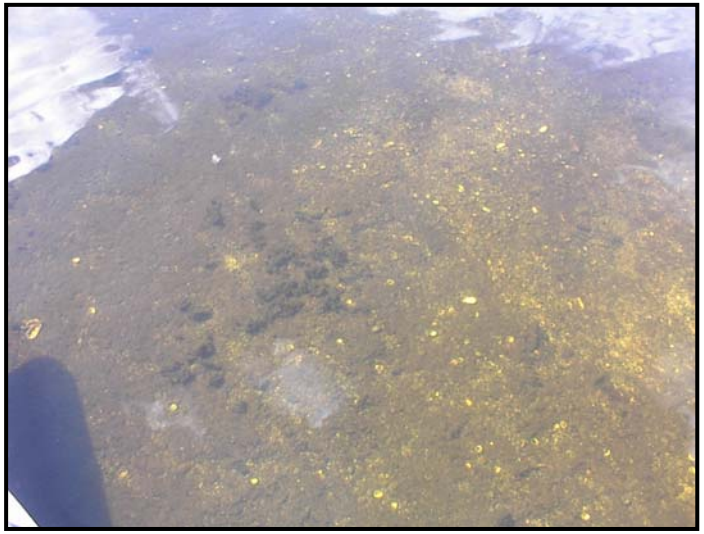


Submerged Aquatic Vegetation

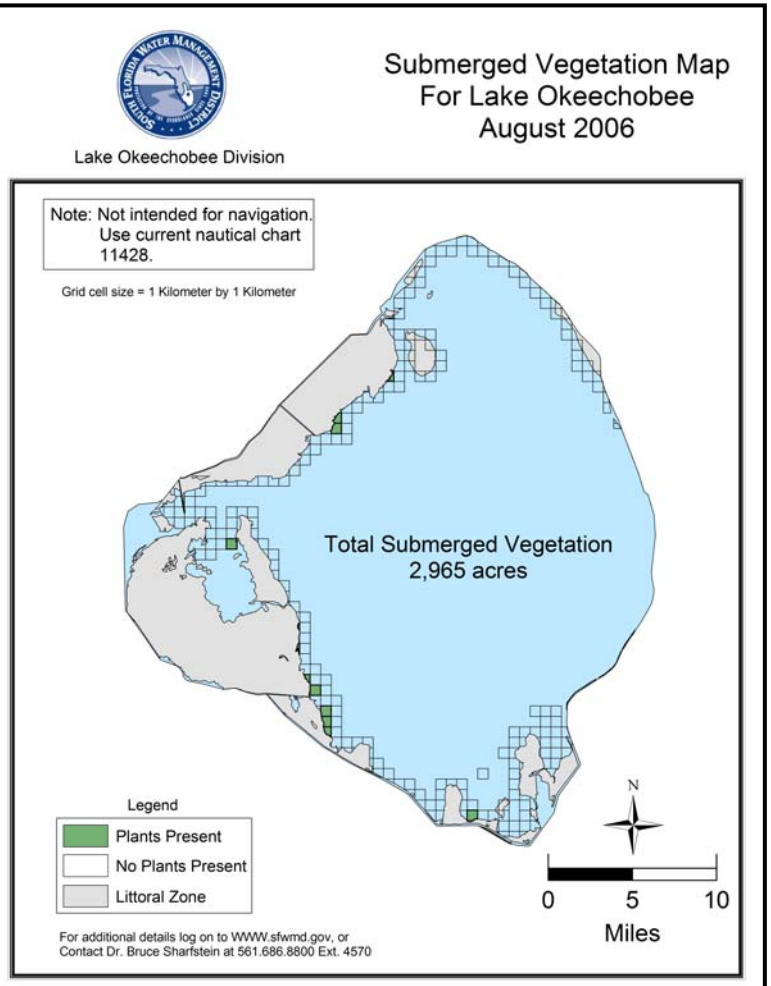


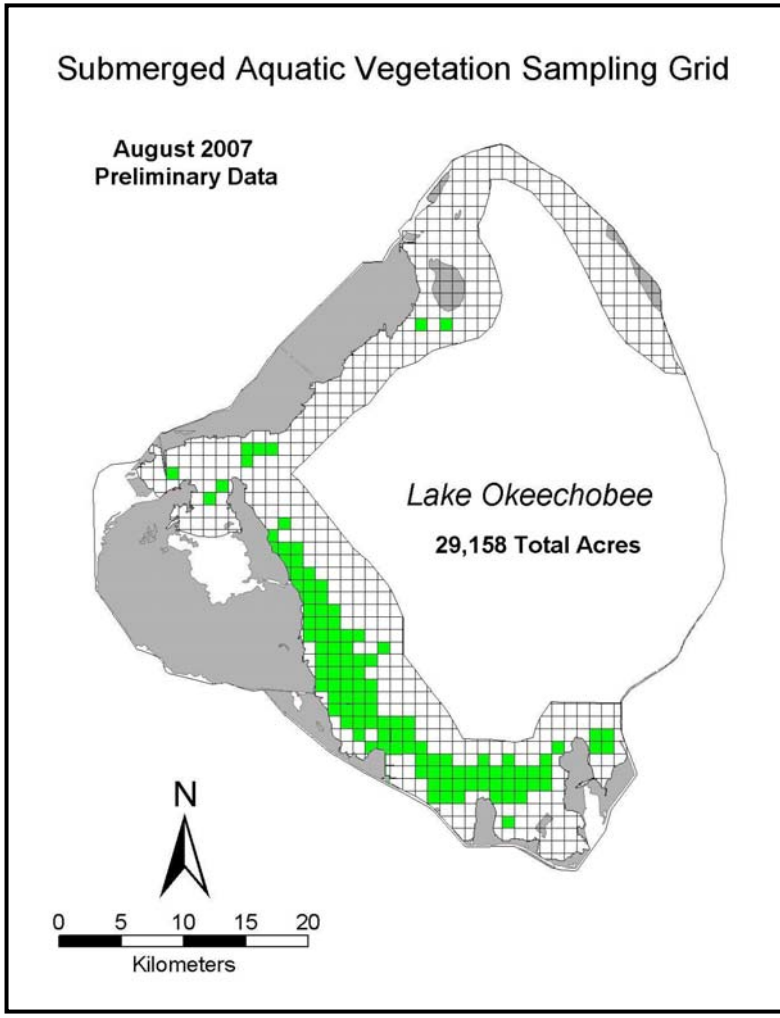
Submerged Aquatic Vegetation

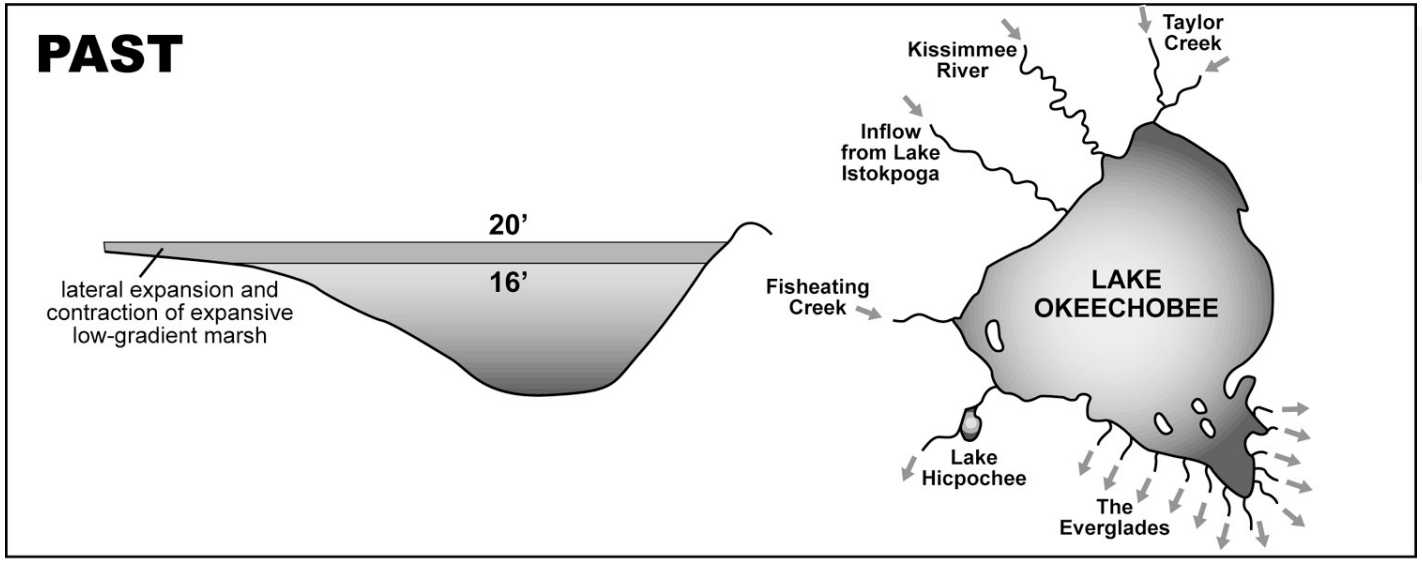


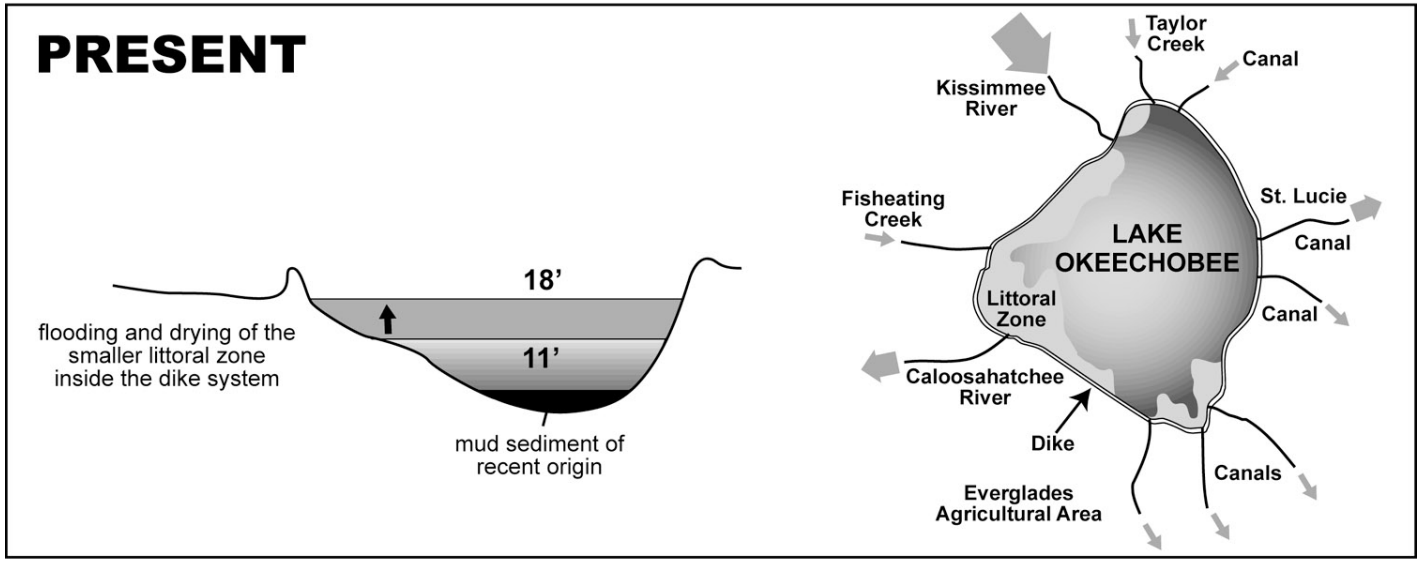


Submerged Aquatic Vegetation Mapping

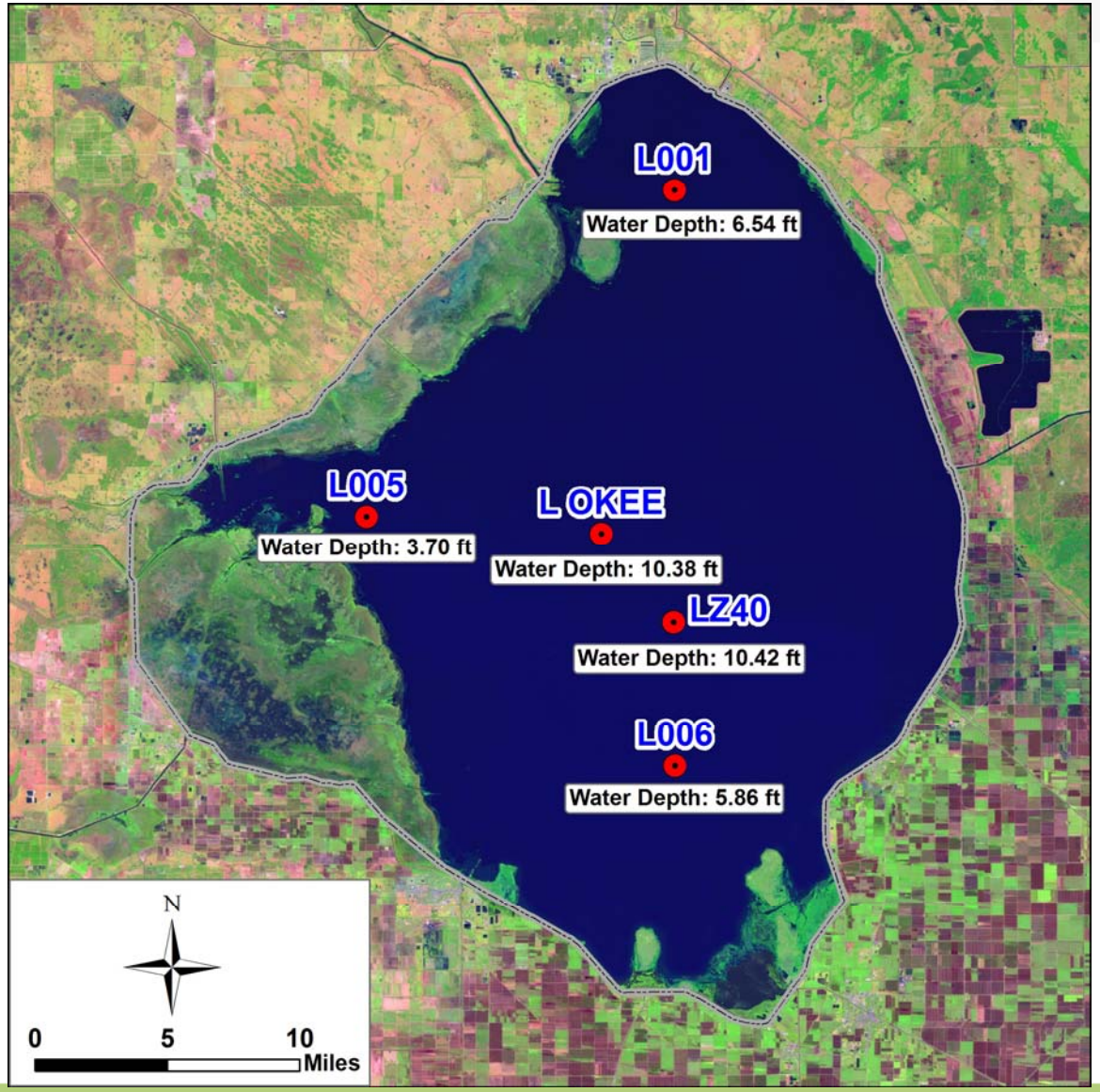




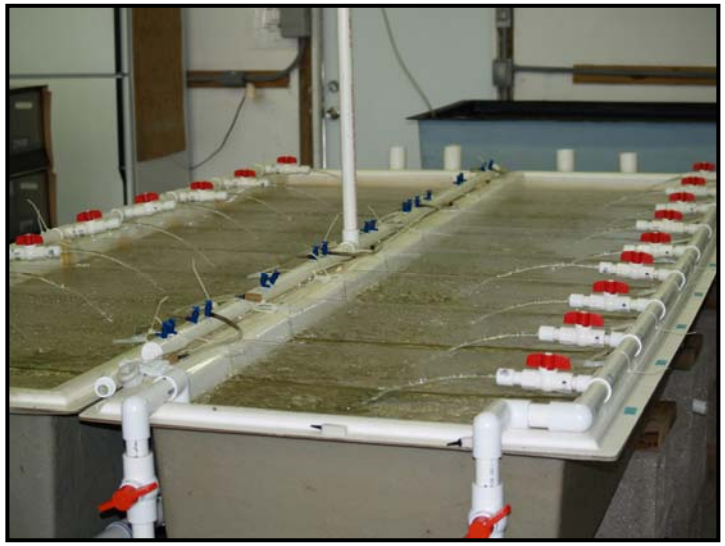
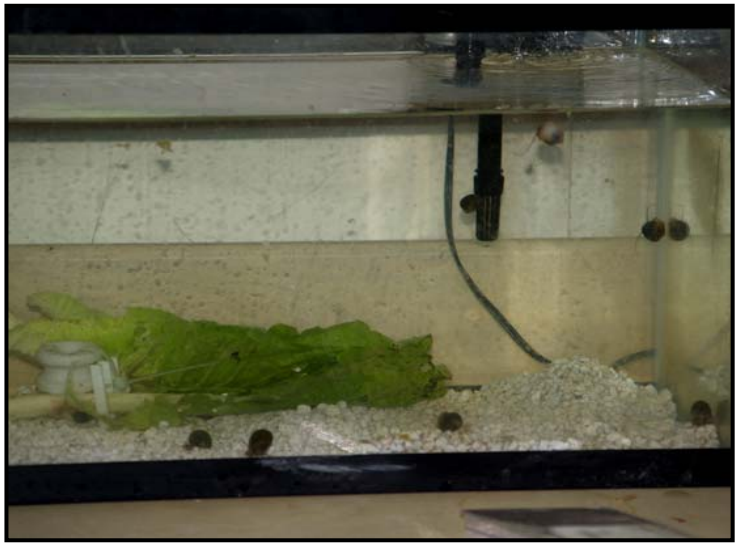

PAST
20'
16'
lateral expansion and contraction of expansive low-gradient marsh
Kissimmee River
Taylor Creek
Inflow from Lake Istokpoga
Fisheating Creek
LAKE OKEECHOBEE
Lake Hicpochee
The Everglades


PRESENT
18'
11'
flooding and drying of the smaller littoral zone inside the dike system
mud sediment of recent origin
Taylor Creek
Canal
Kissimmee River
Fisheating Creek
St. Lucie
Canal
LAKE OKEECHOBEE
Littoral Zone
Canal
Caloosahatchee River
Dike
Canals
Everglades Agricultural Area

Lake Depths at Stage of 10.0 ft. NGVD



2008 Proposed Low Lake Restoration Projects

- Expanded muck scraping
- Expanded treatment of exotic vegetation
- In-Lake dredging
- Replanting of native vegetation
- Restocking of native apple snails
- Other ideas?
- Interagency brainstorming meeting October 24th

Apple Snail "Aquaculture"