RECOVER Science Meeting
March 2, 2016

INTRODUCTION TO LAKE OKEECHOBEE

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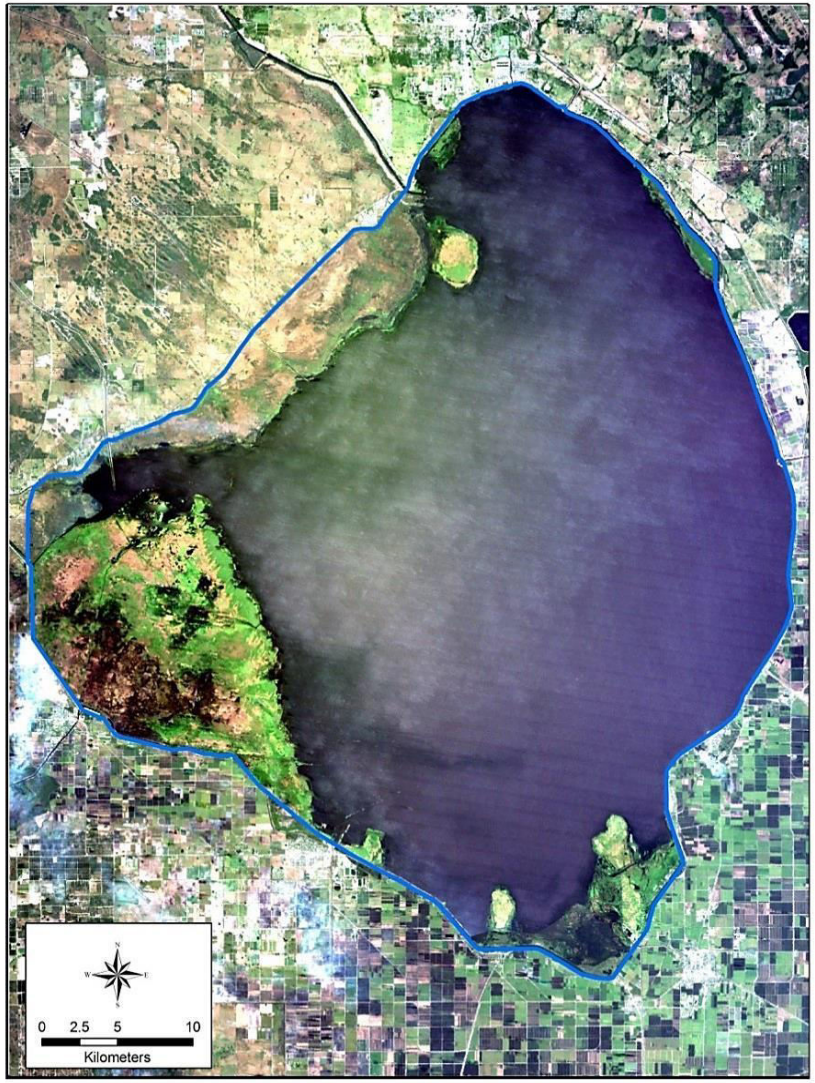
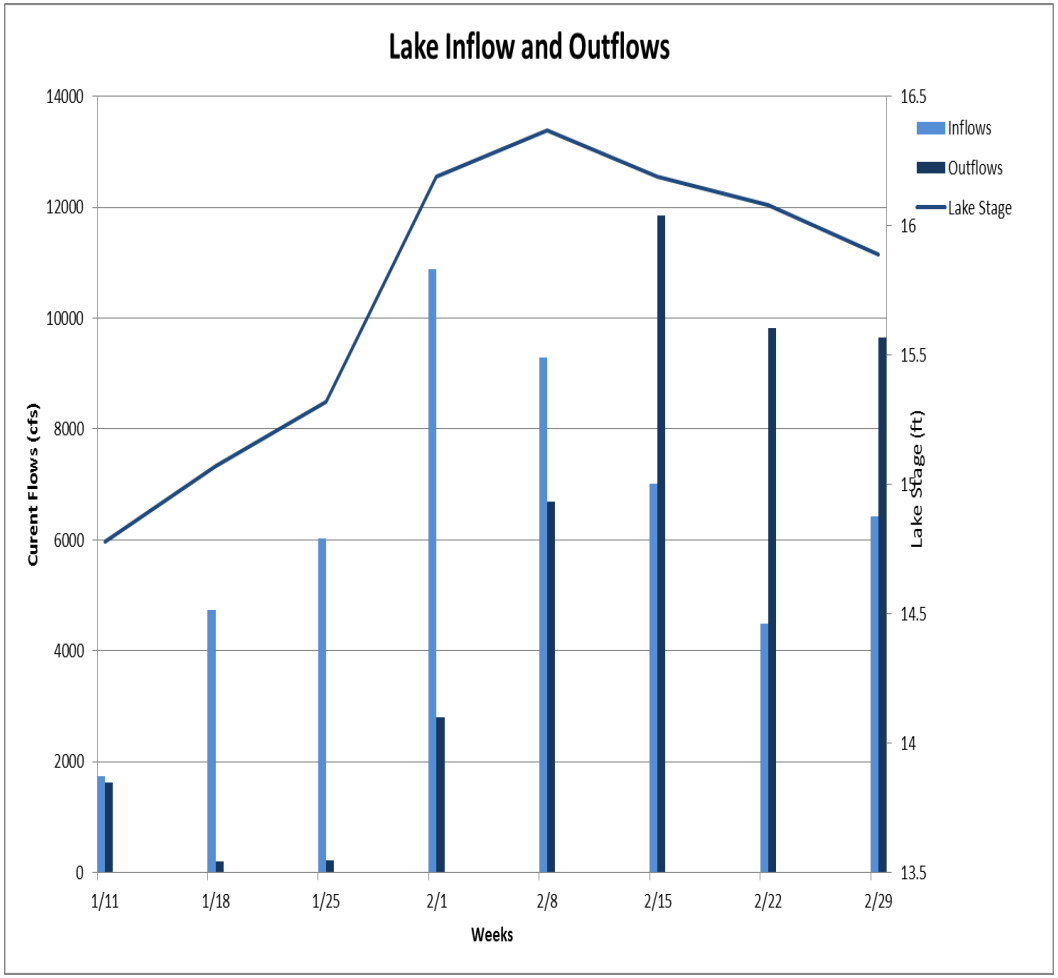
Photo: Lake Okeechobee

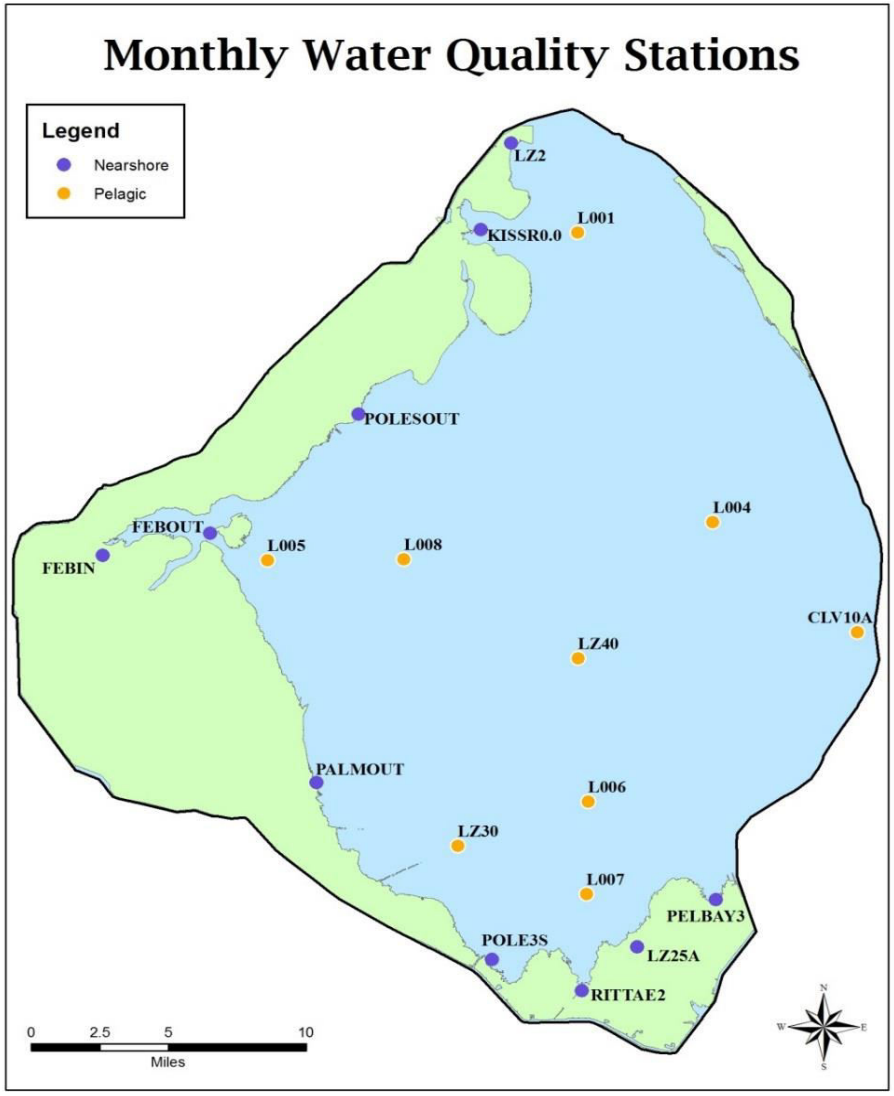
RECENT CHANGES IN LAKE STAGES





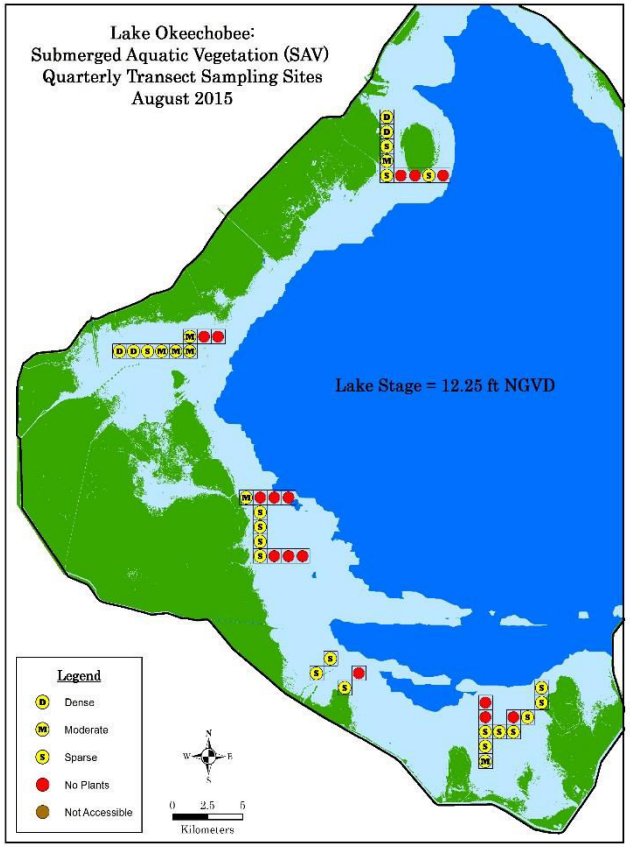
- Recession Rate: 0.26 ft/wk and 1 ft/month

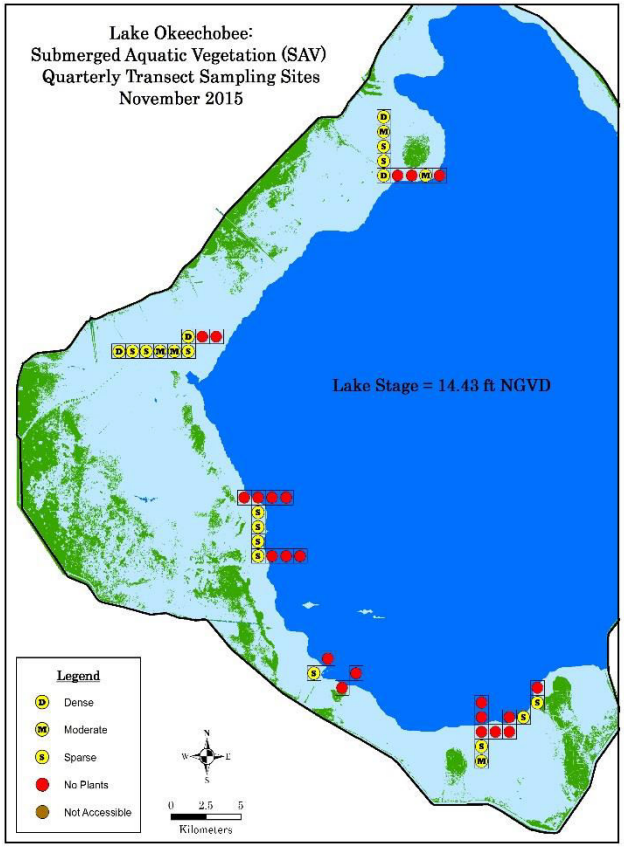
WATER QUALITY

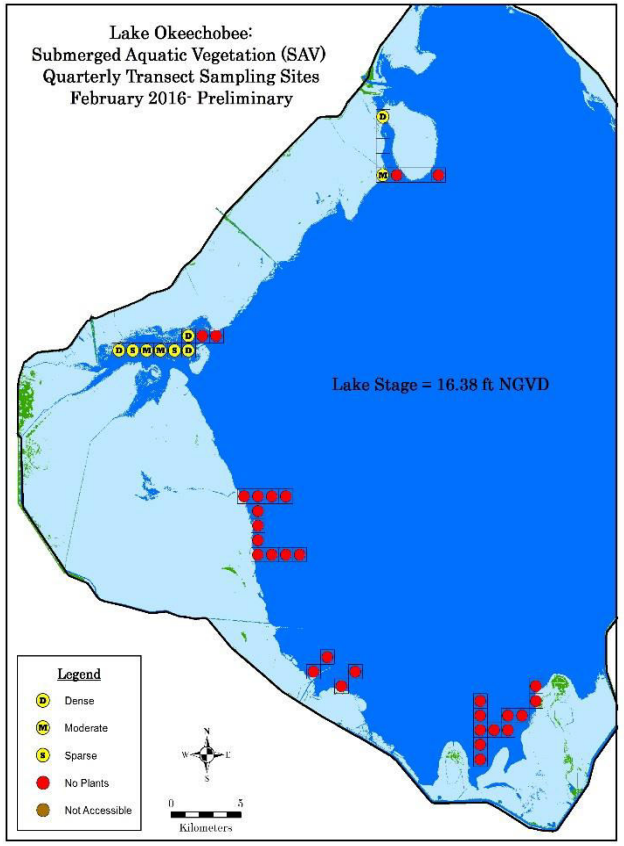


Parameter		Dec 2015	Jan 2016	Feb 2016
TP ppb	Nearshore	87	114	97
	Pelagic	113	188	116
	Lakewide	99	149	106
TSS ppm	Nearshore	6	22	6
	Pelagic	21	65	15
	Lakewide	13	42	10

NEARSHORE SAV

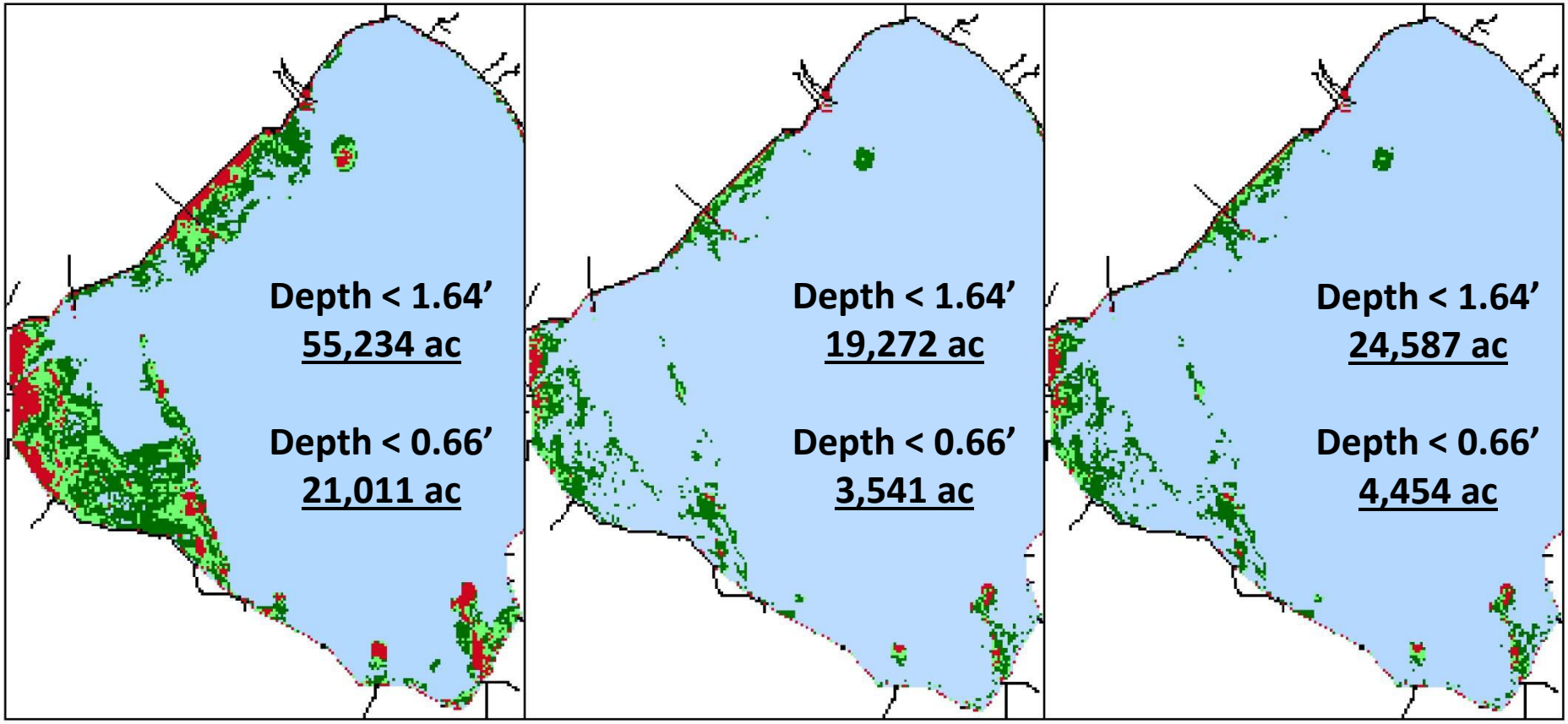




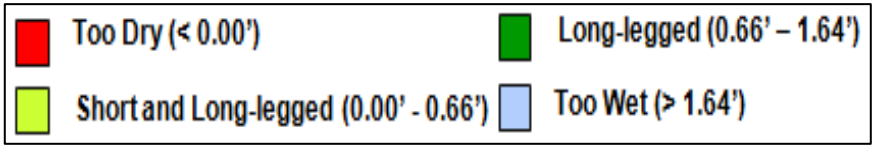


FORAGING WADING BIRDS

1 Year Ago: 03/01/2015	1 Month Ago: 01/30/2015	Current: 02/29/2016
Depth < 1.64’ 55,234 ac	Depth < 1.64’ 19,272 ac	Depth < 1.64’ 24,587 ac
Depth < 0.66’ 21,011 ac	Depth < 0.66’ 3,541 ac	Depth < 0.66’ 4,454 ac

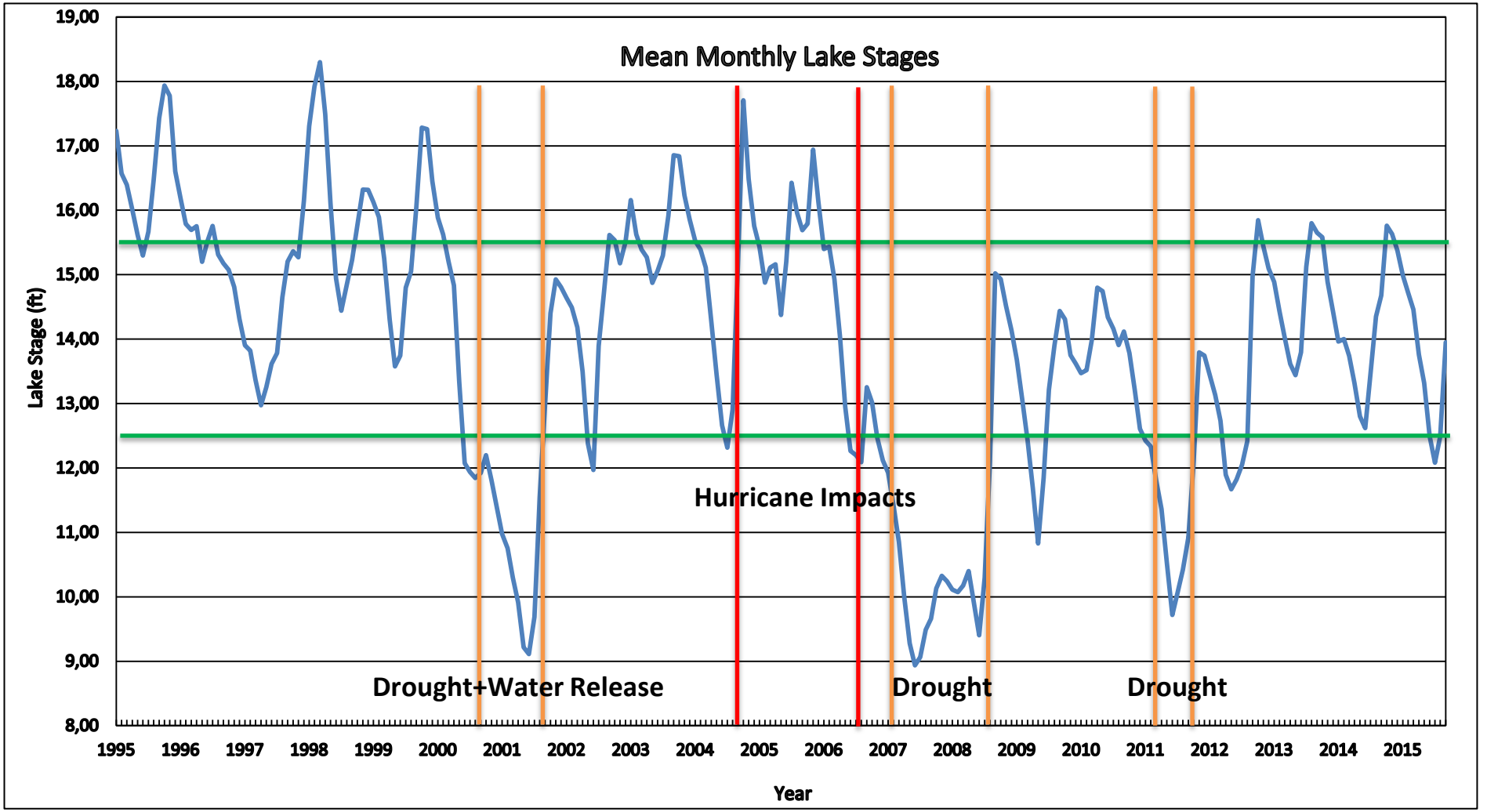


Source of Lake Graphic: Water Depth Assessment Tool (SFWDAT)
Source of Lake Stage Value: USACE/SFWMD Official Stage Value

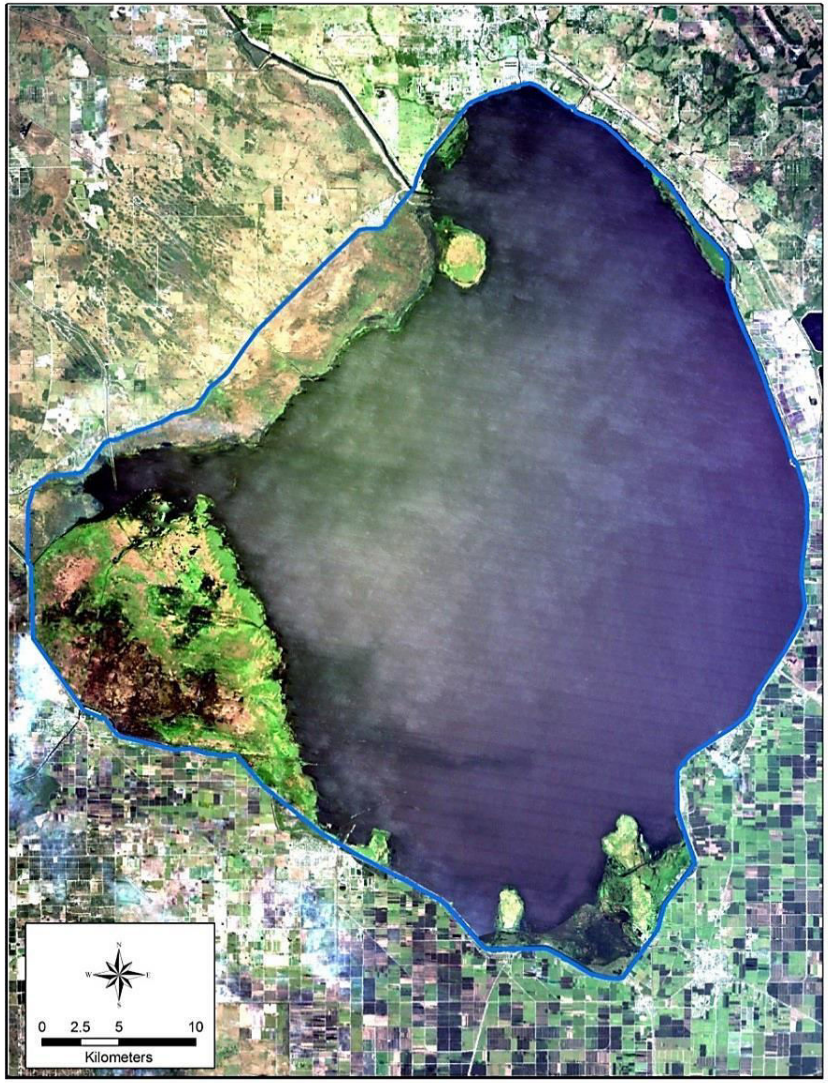


CERP MONITORING

- ORIGINALLY CALLED FOR 3-5 YEARS OF BASELINE MONITORING

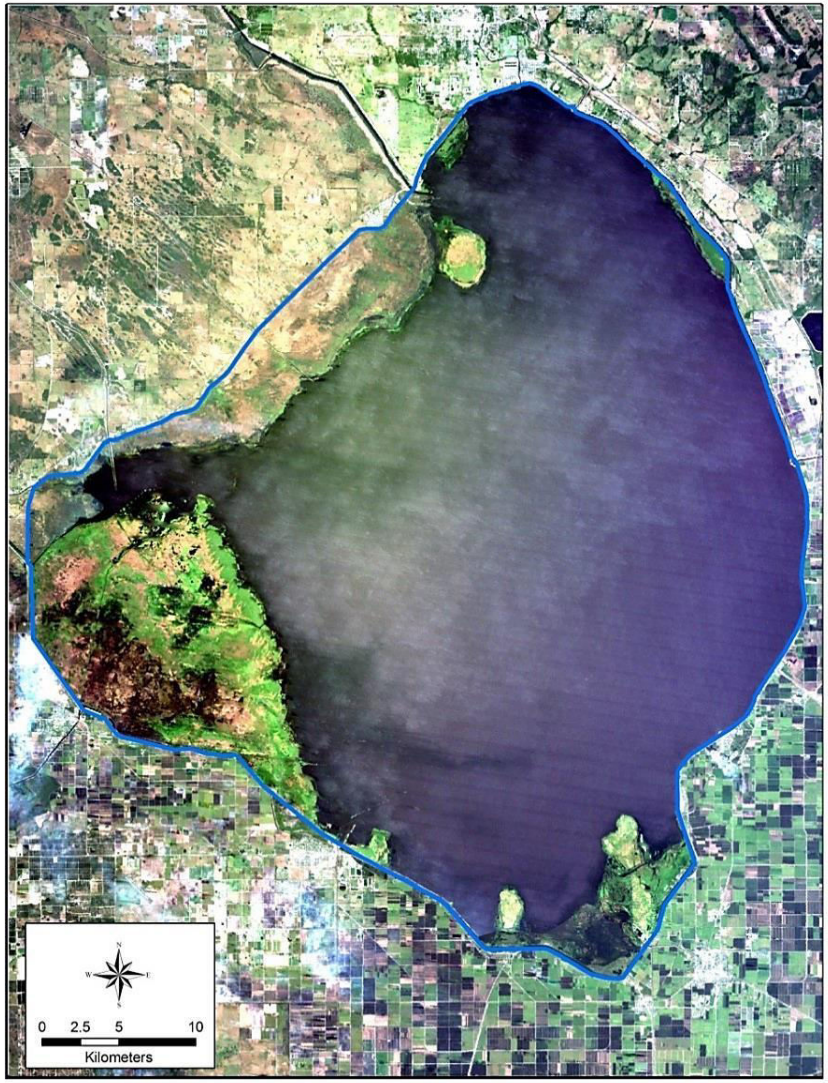


NEW LAKE SCIENCE



- Satellite Algal Bloom Monitoring
- Wading Birds
- Emergent Vegetation
- Submerged Aquatic Vegetation
- Nutrient Recycling Rates
- Marsh Throw Trapping

PROJECT UPDATES



- Watershed Projects
- Nutrient Load Trends
- Wetland Reserve Projects
- Herbert Hoover Dike Repair