

Lake Okeechobee BMAP

**And Today's Theme Is:
Interesting Photos**

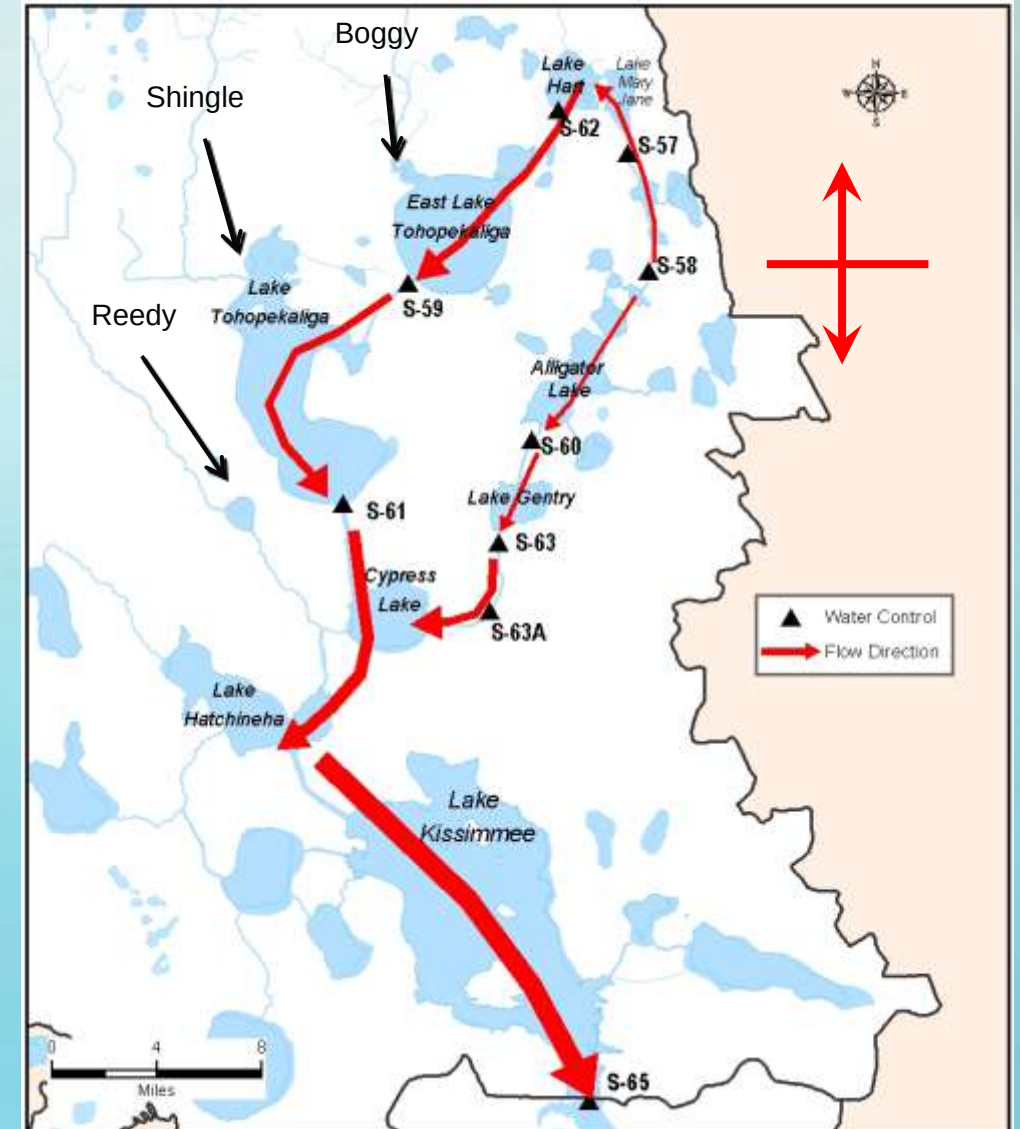
**Frank Nearhoof
FDEP
6/11/13**

Recent Damage from Tropical Storm Andrea

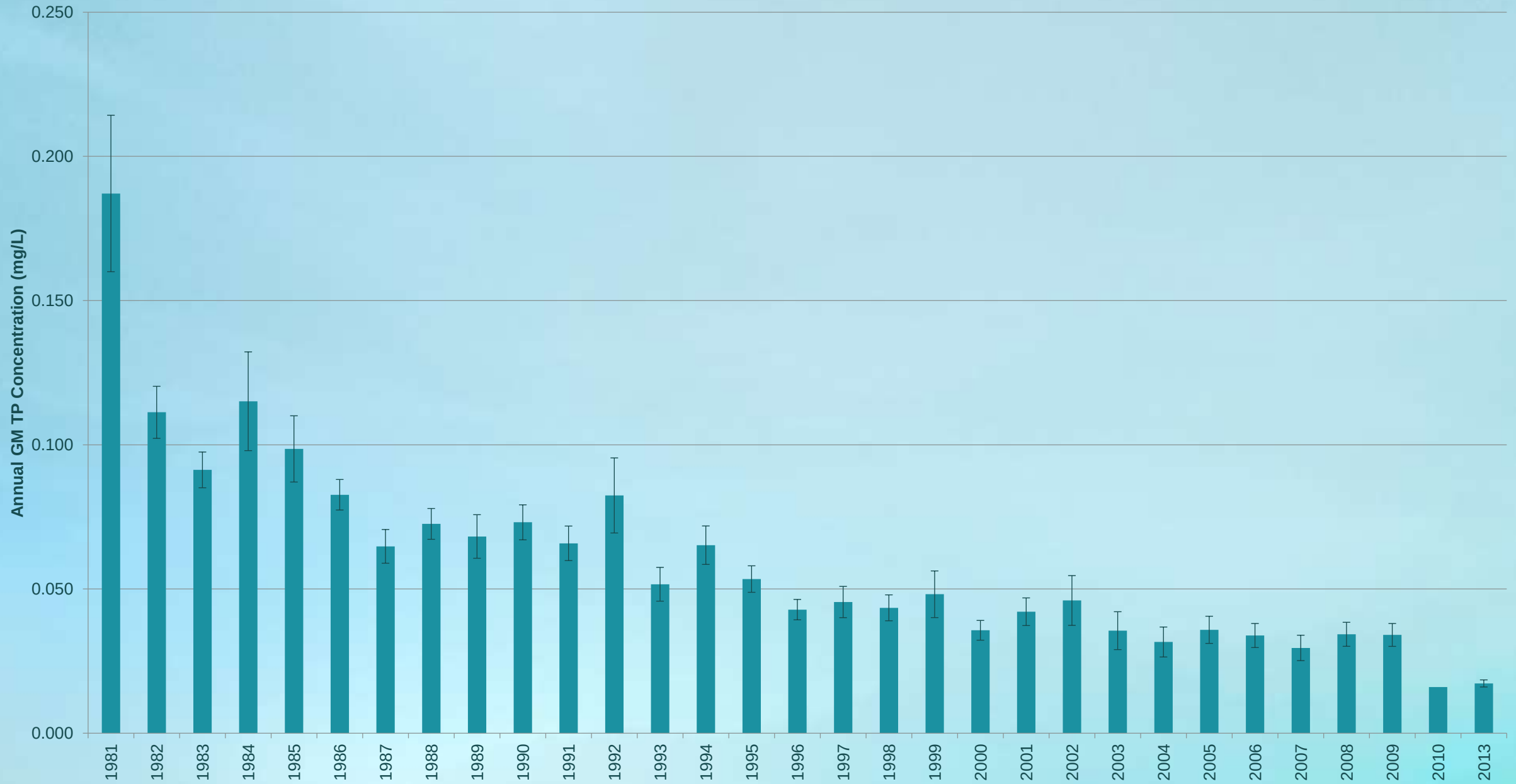


Upper Kissimmee Sub-watershed

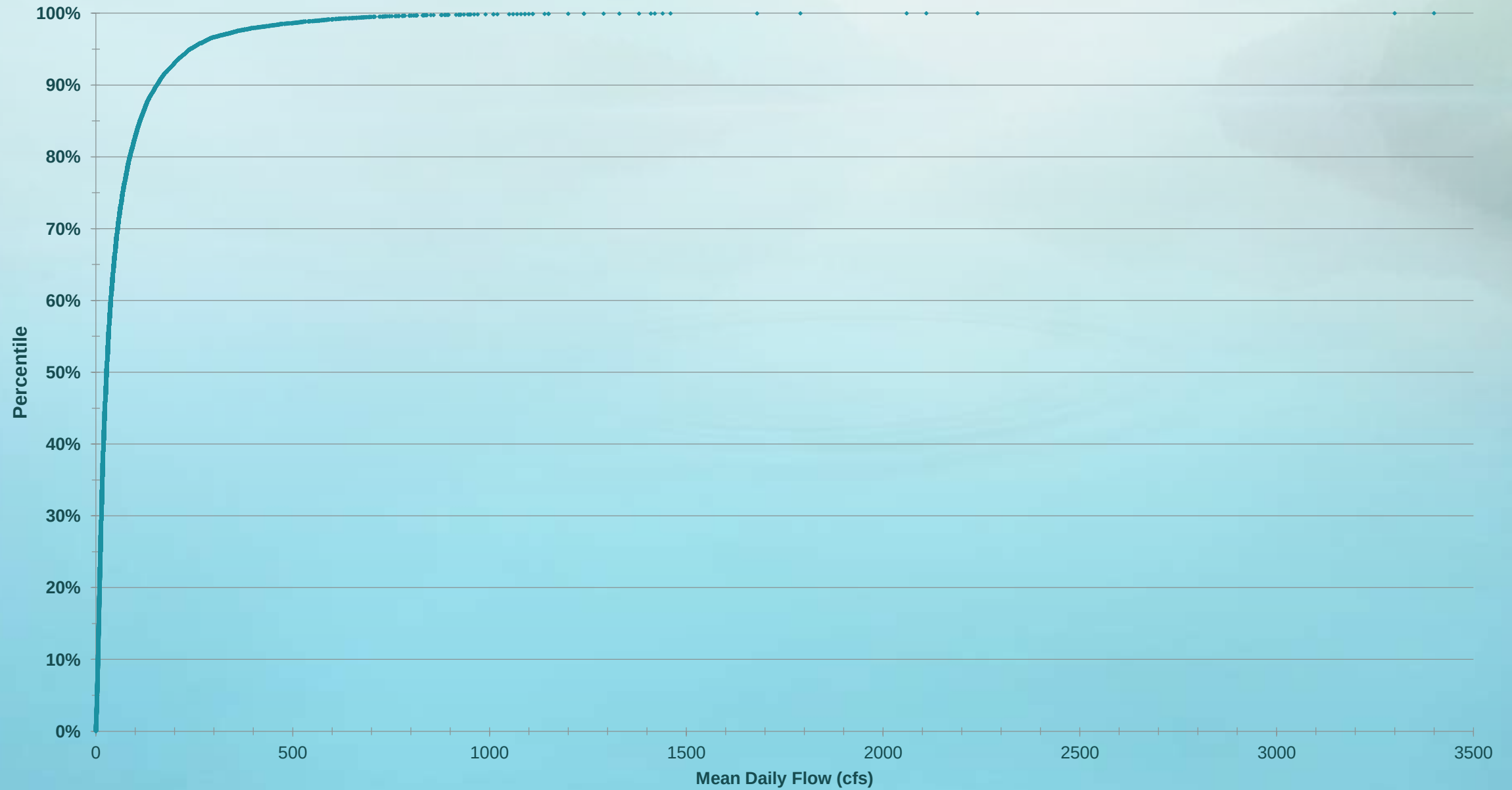
- C&SF Project conveys Upper Basin runoff through the Chain of Lakes to the Kissimmee River and Lake Okeechobee
 - S-58 is divide structure
 - ❖ West Chain Flows North from S-58
 - ❖ East Chain Flows South from S-58
 - Boggy, Shingle and Reedy Creek drain the northern portion of the basin

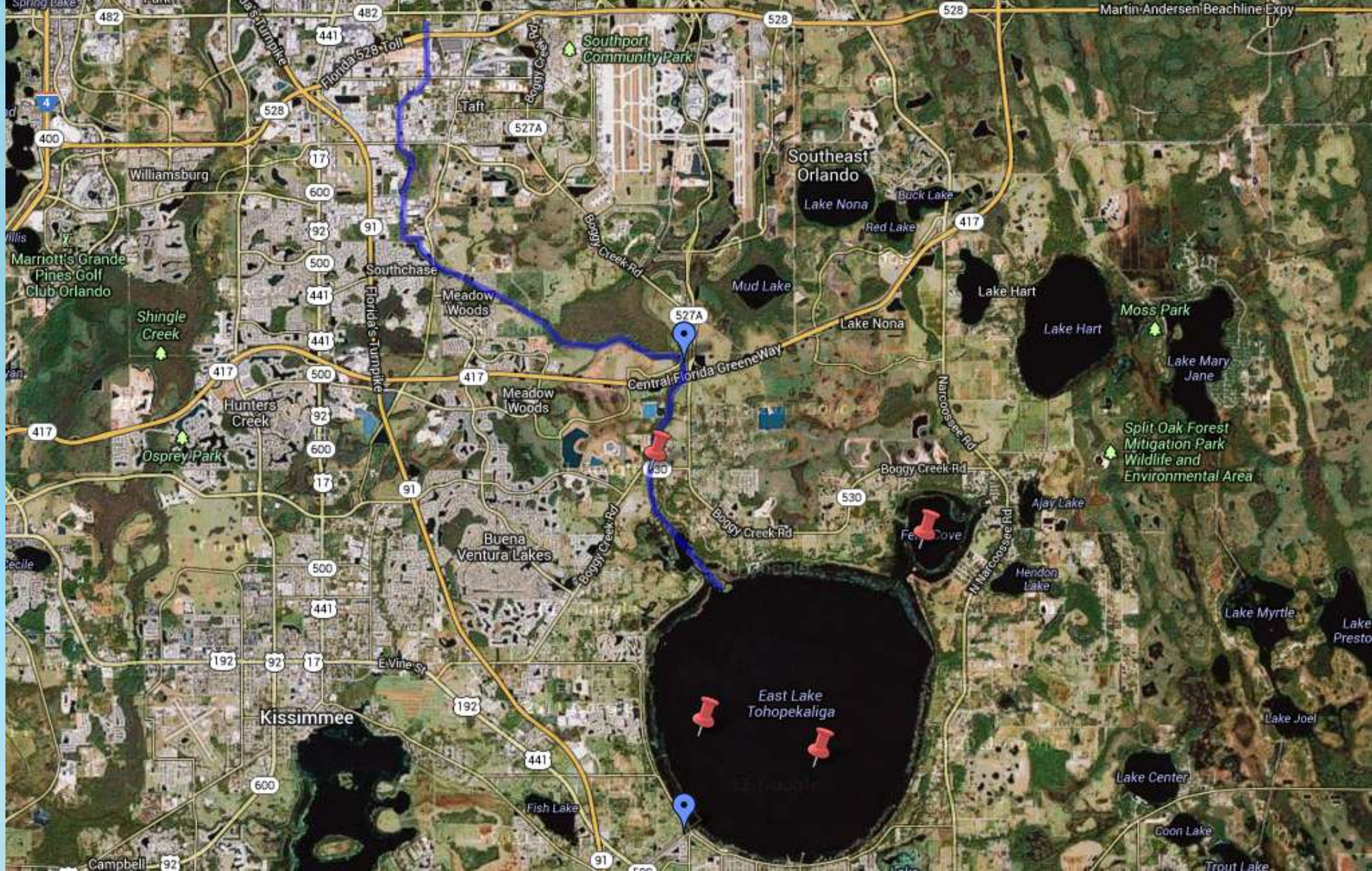


Boggy Creek TP Concentrations (+/- 1 SE)

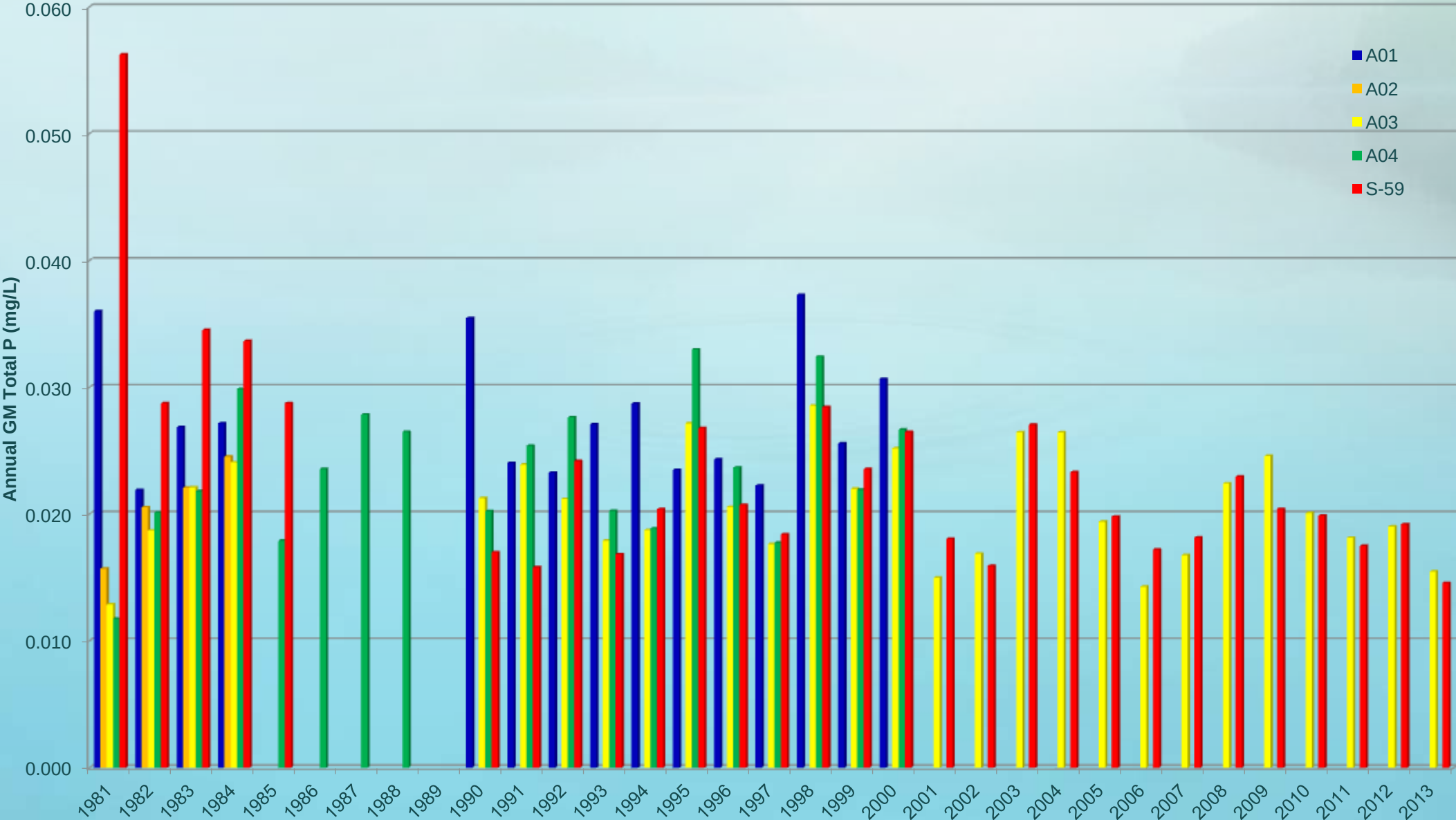


Boggy Creek Flow Data Frequency Distribution (1959-2013)

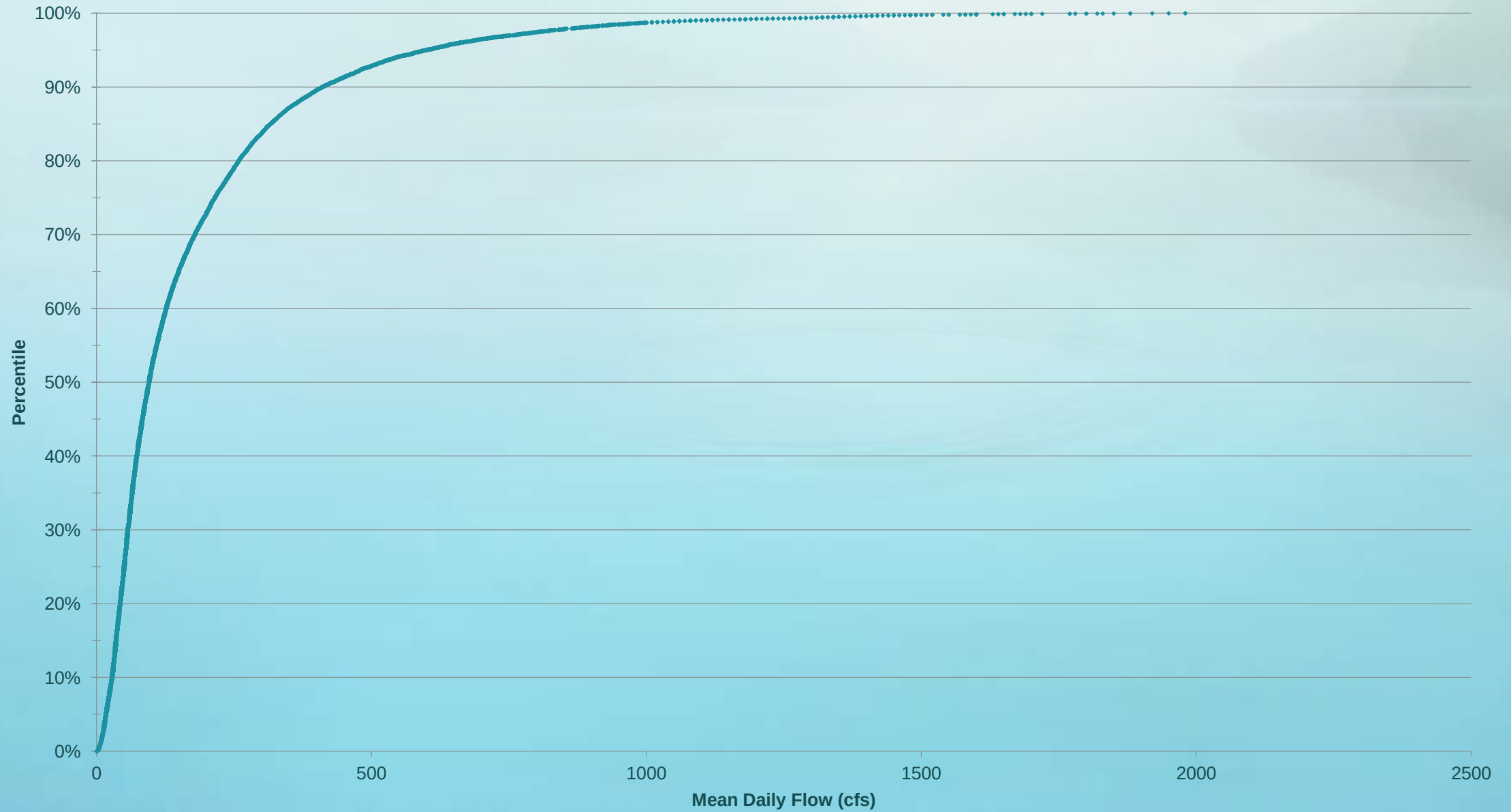




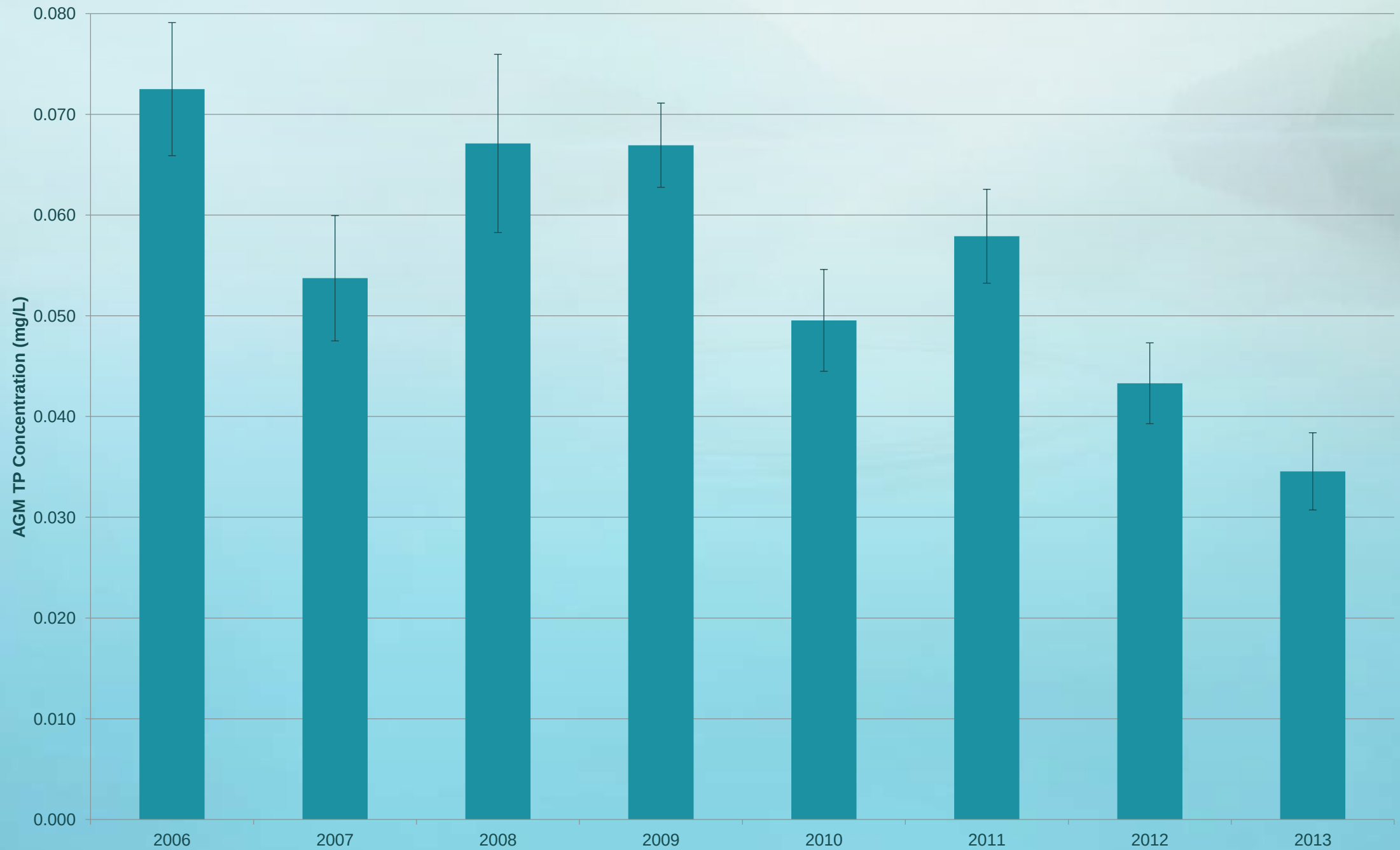
E Lake Tohopekaliga Total Phosphorus (1981-2013)



Shingle Creek USGS Gauge Data Distribution (Oct 1968 - May 2013)

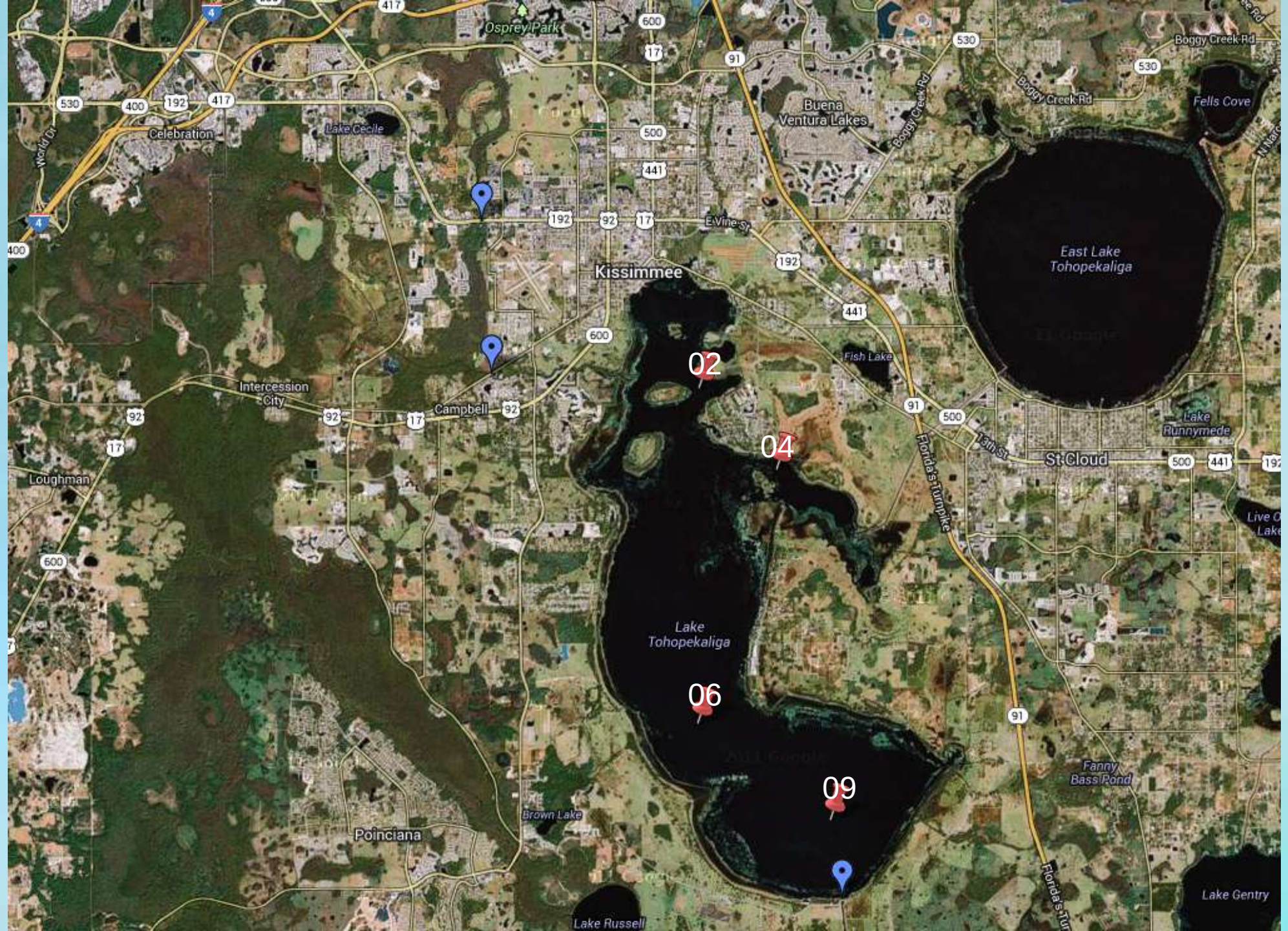


Shingle Creek TP Concentrations (+/- 1 SE)

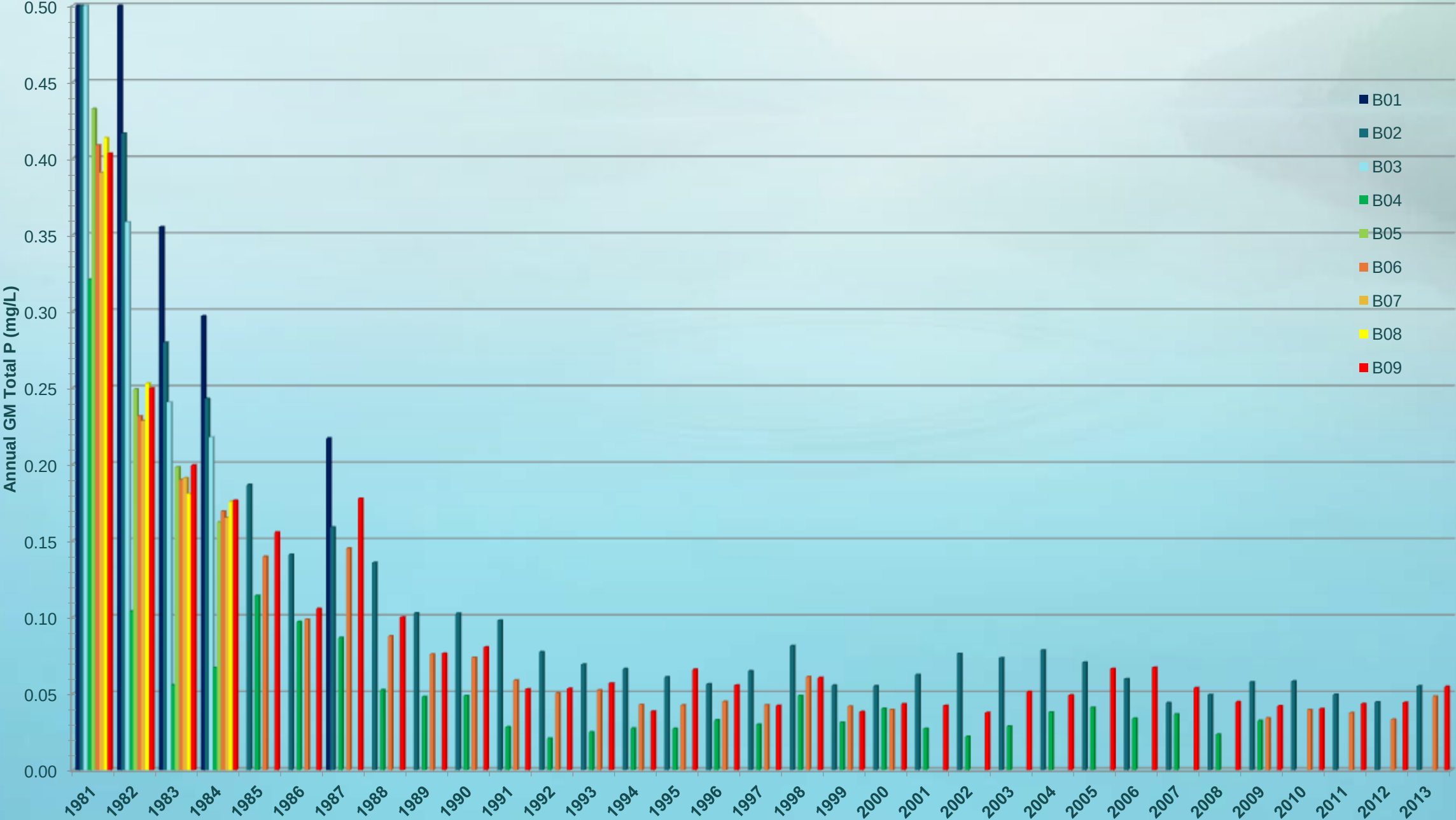


Why You Should Always Buy the Computer Warranty

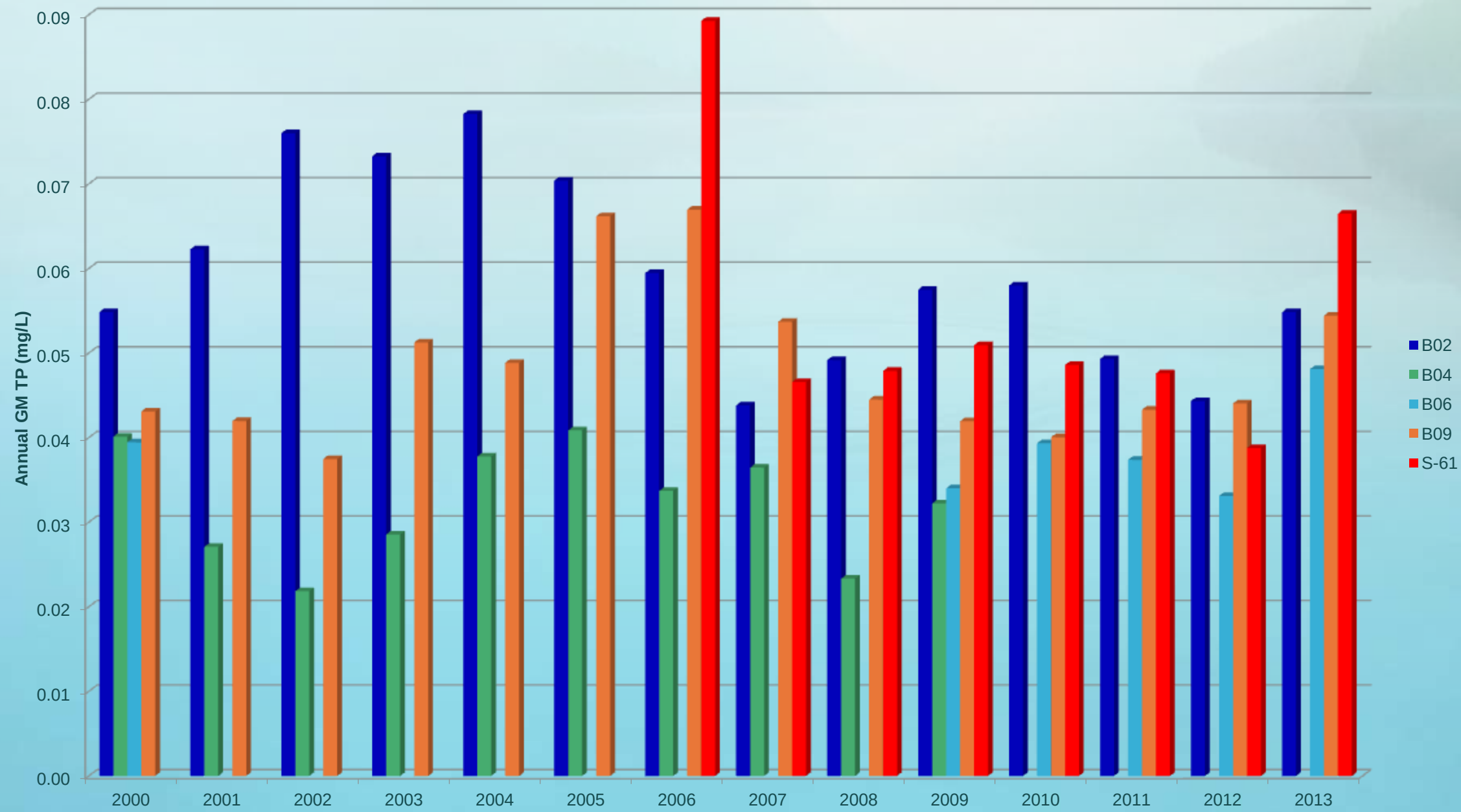


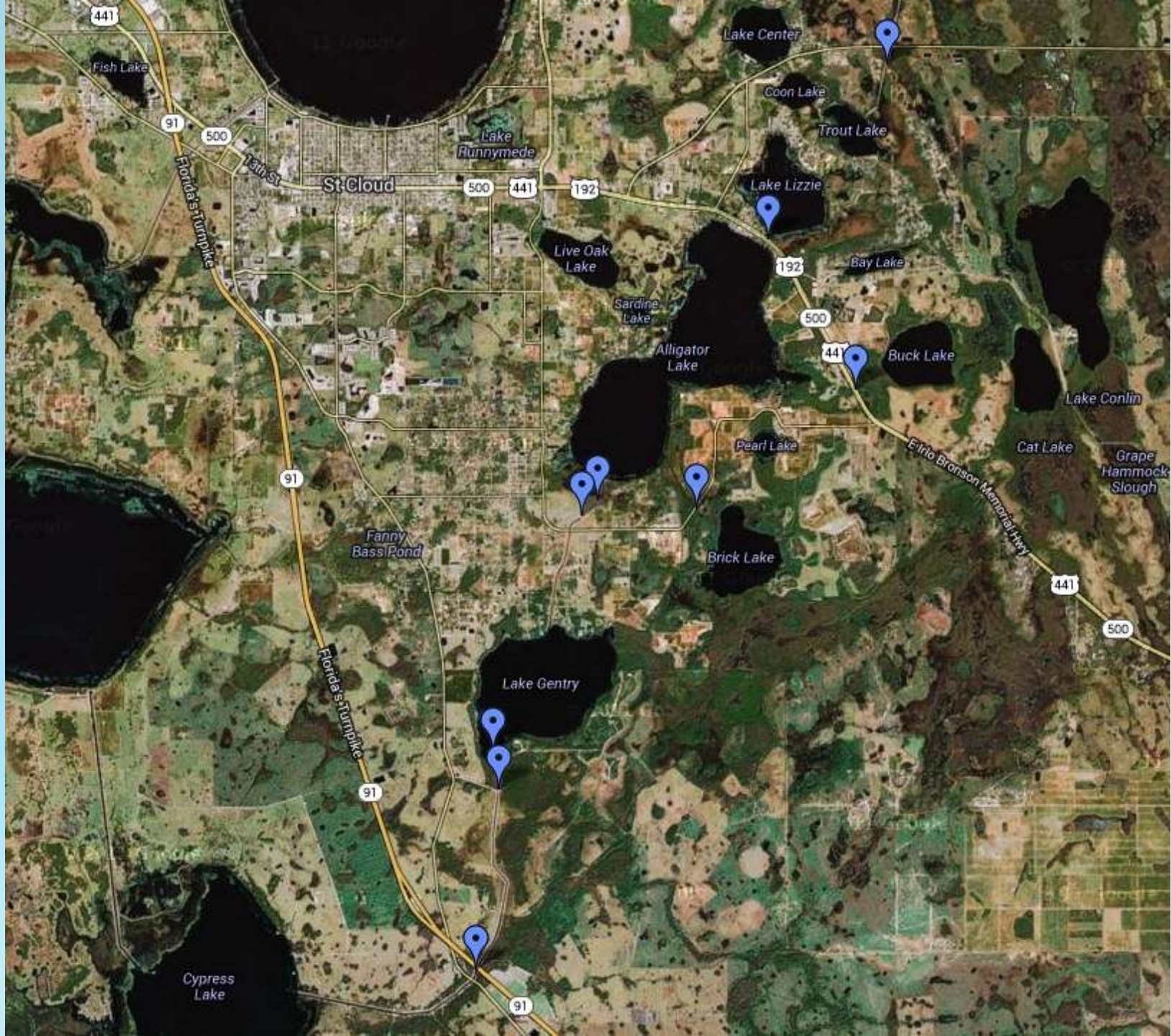


Lake Tohopekaliga Total Phosphorus Data (1981-2013)

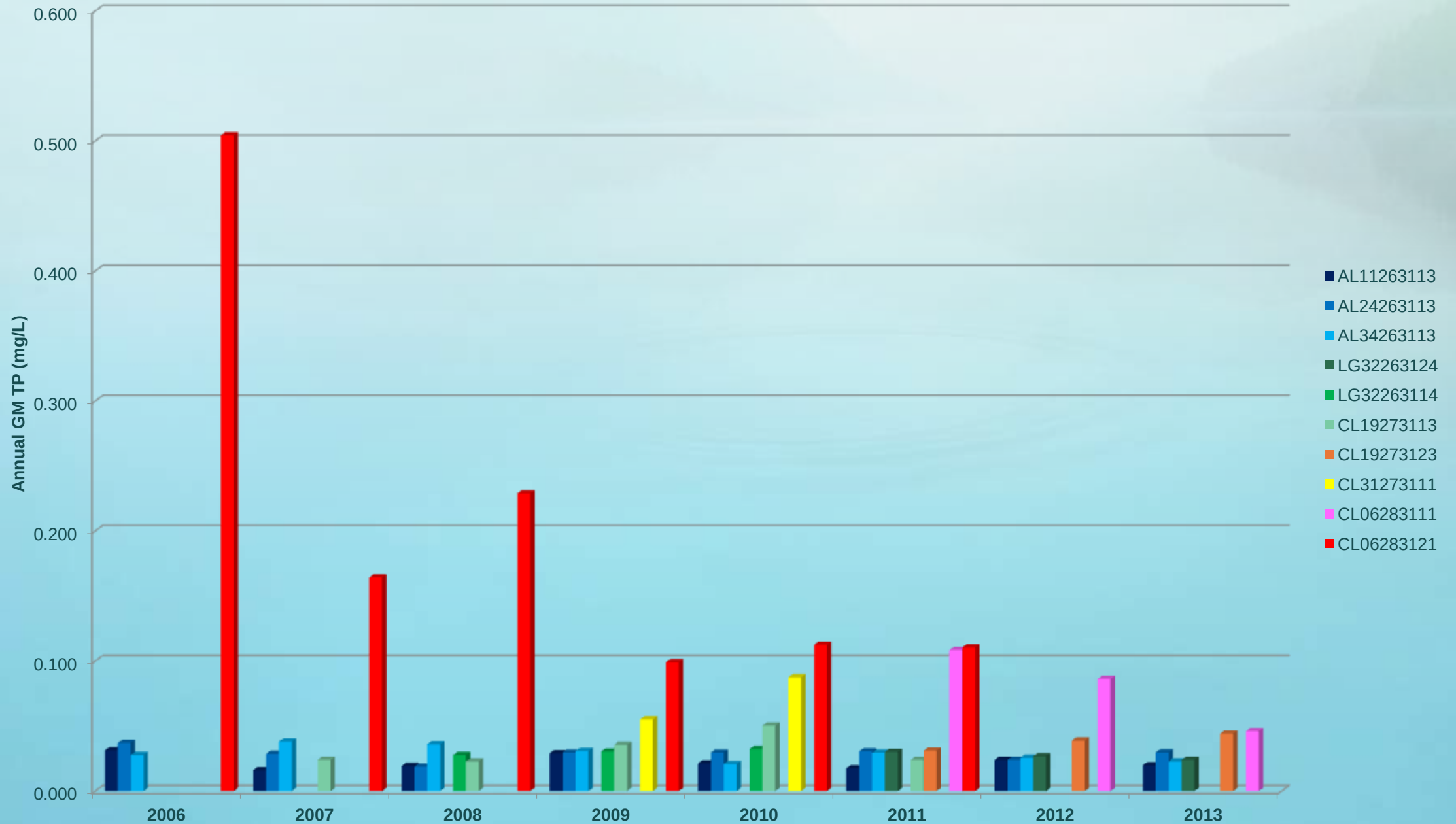


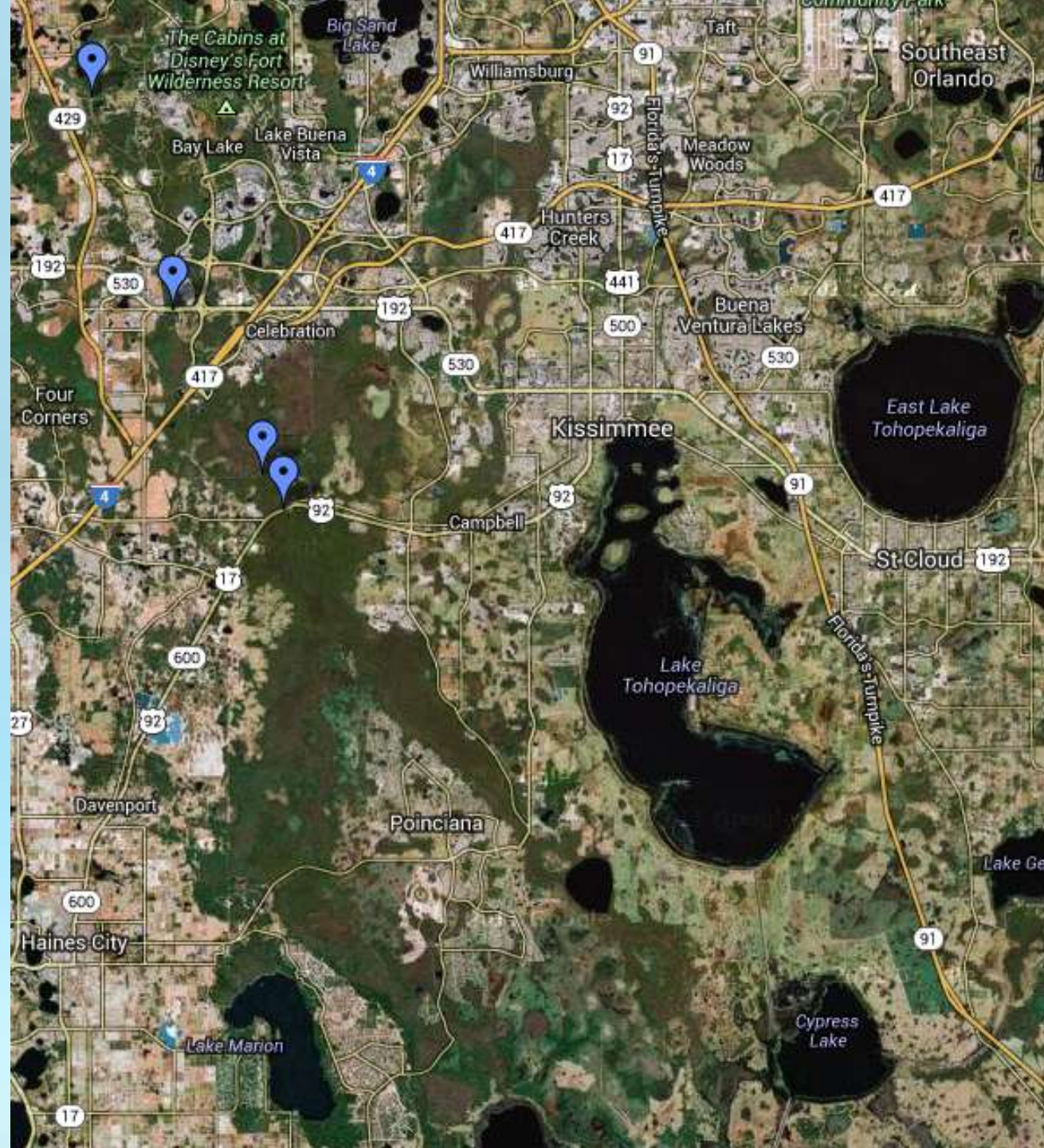
Lake Toho In-lake + Outfall Station TP Data



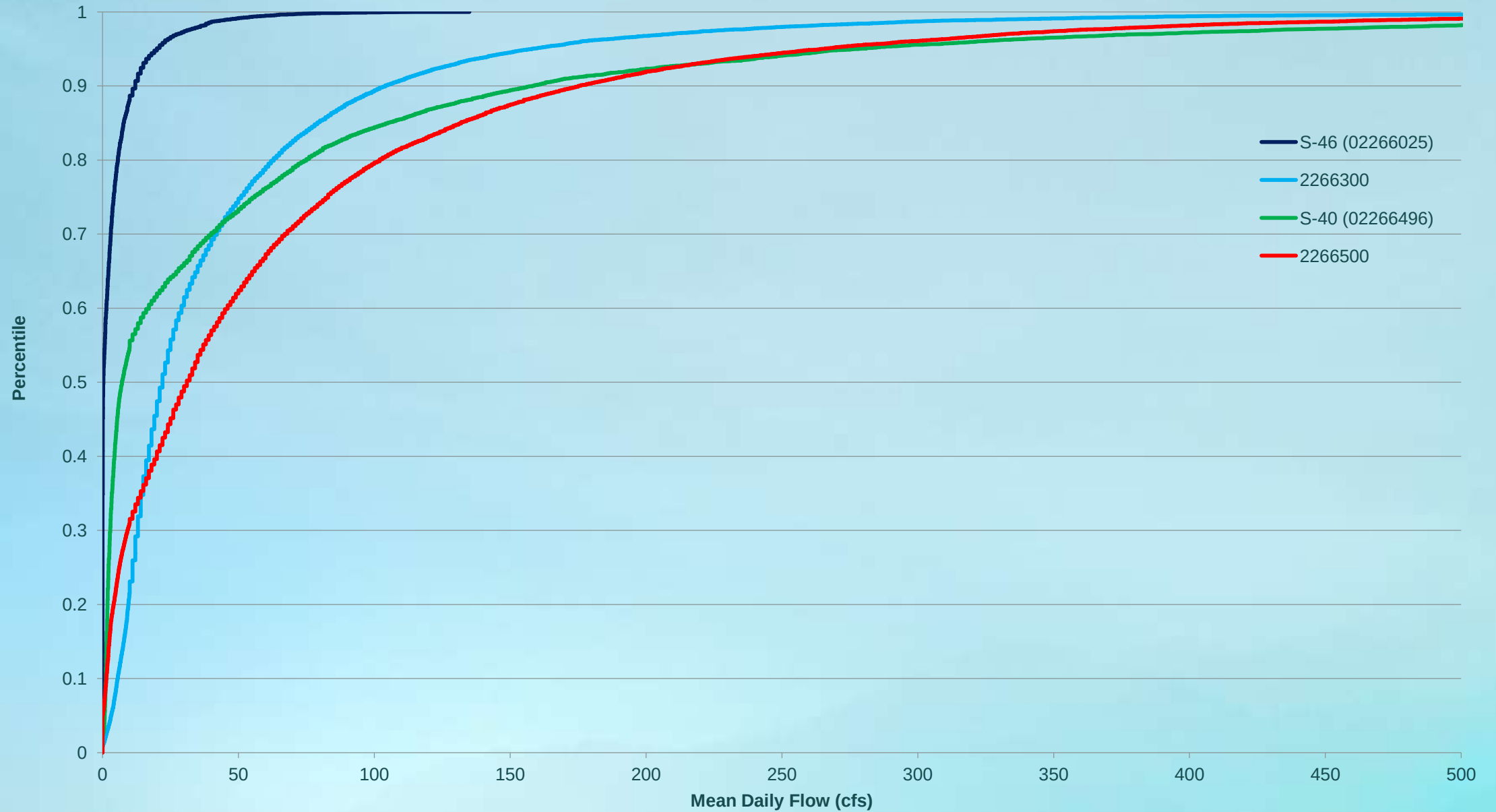


East Chain (Alligator Lake, Lake Gentry) Total Phosphorus

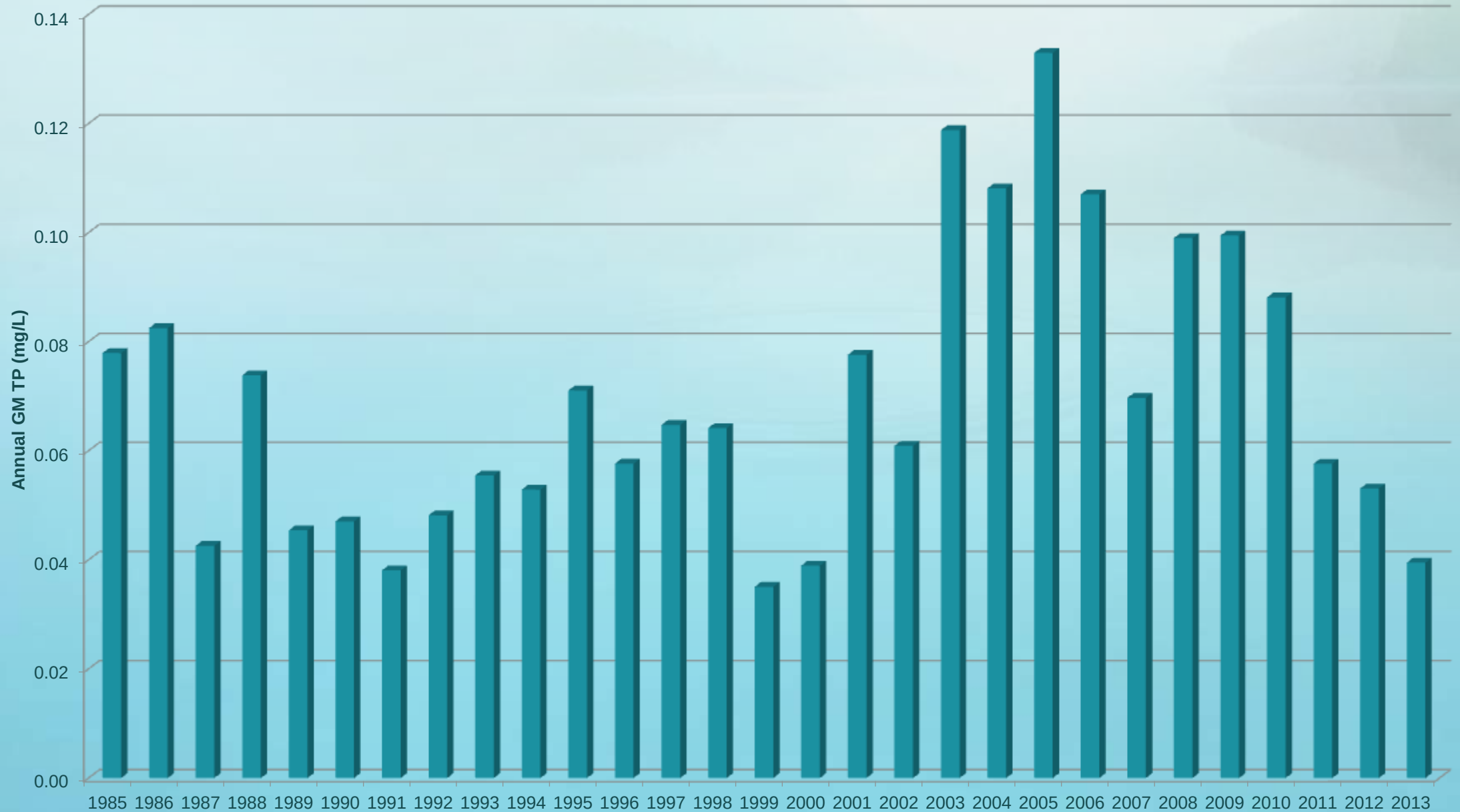




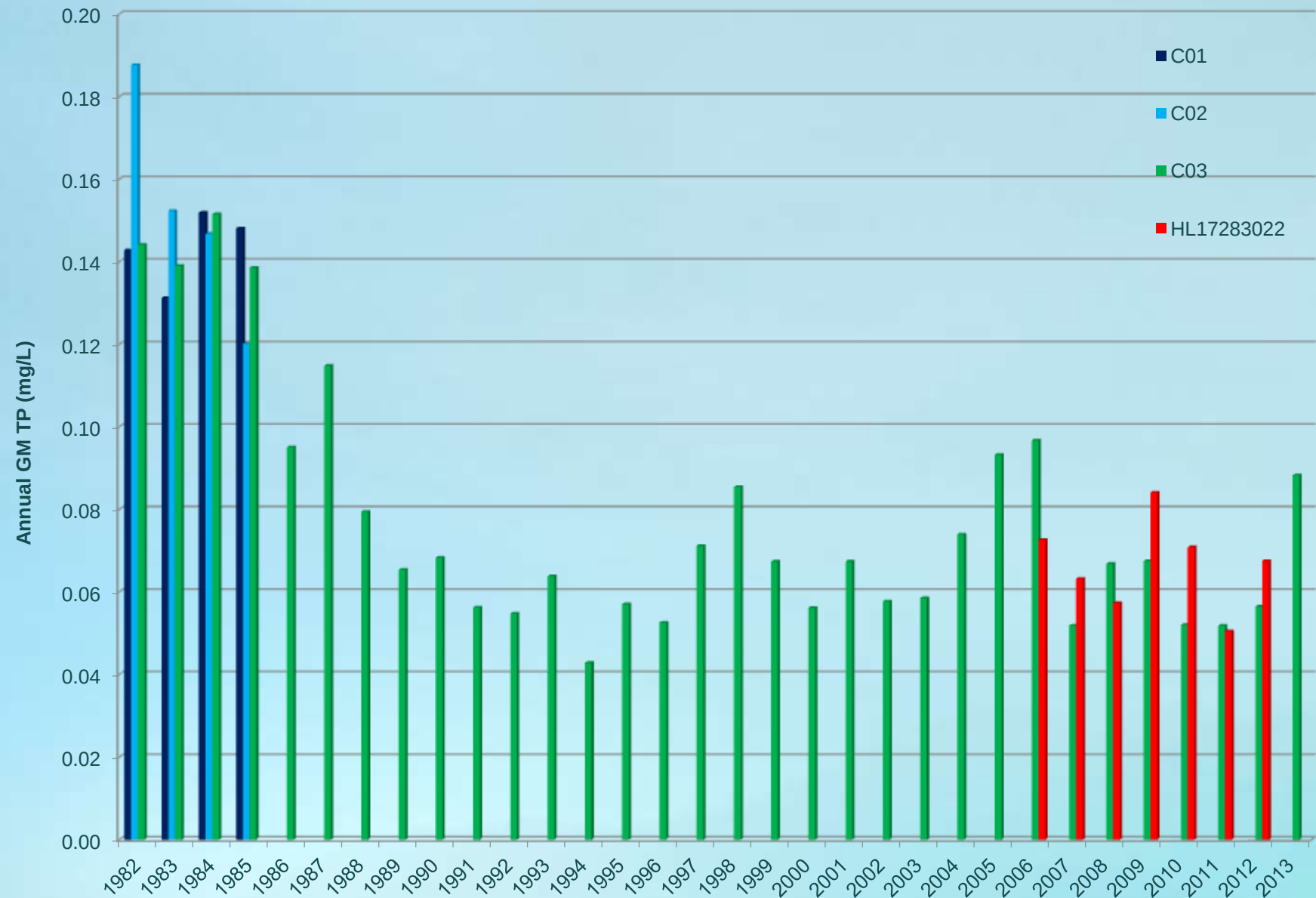
Reedy Creek Flow Stations - Frequency Distribution



Reedy Creek Total Phosphorus (1985-2013)

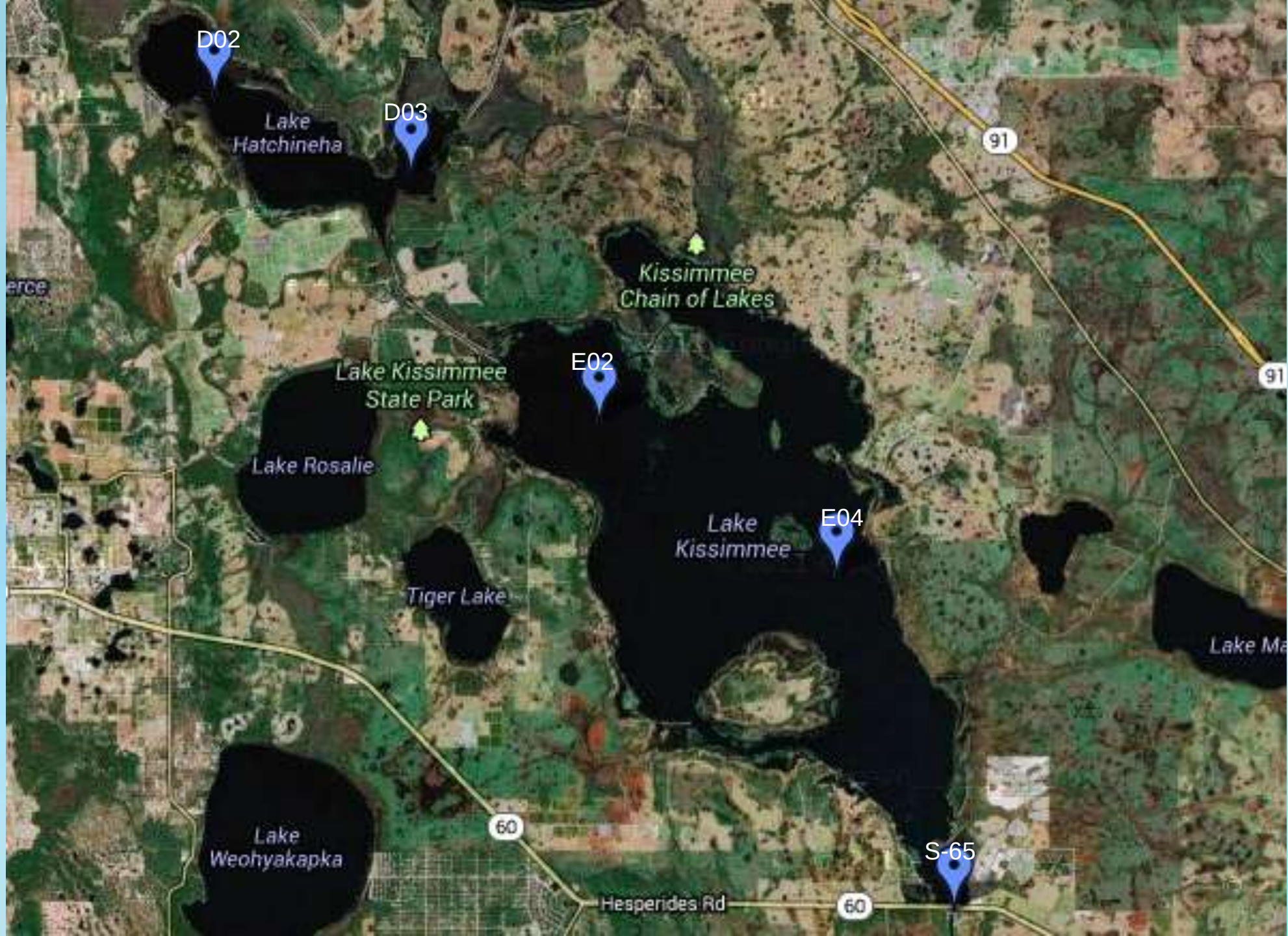


Cypress Lake Total Phosphorus (1982-2013)

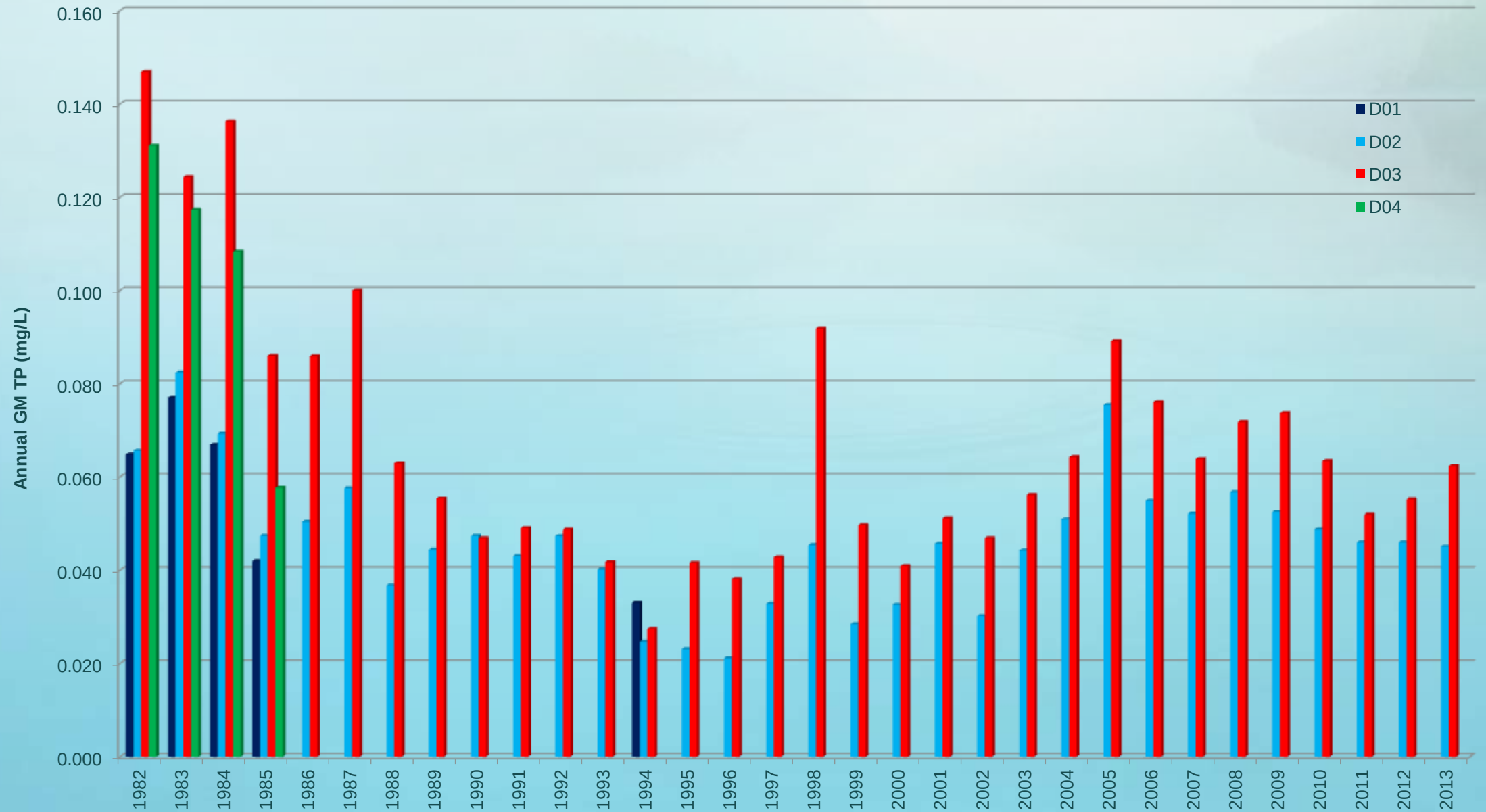


Batman's Secret Seems to Have Been Compromised

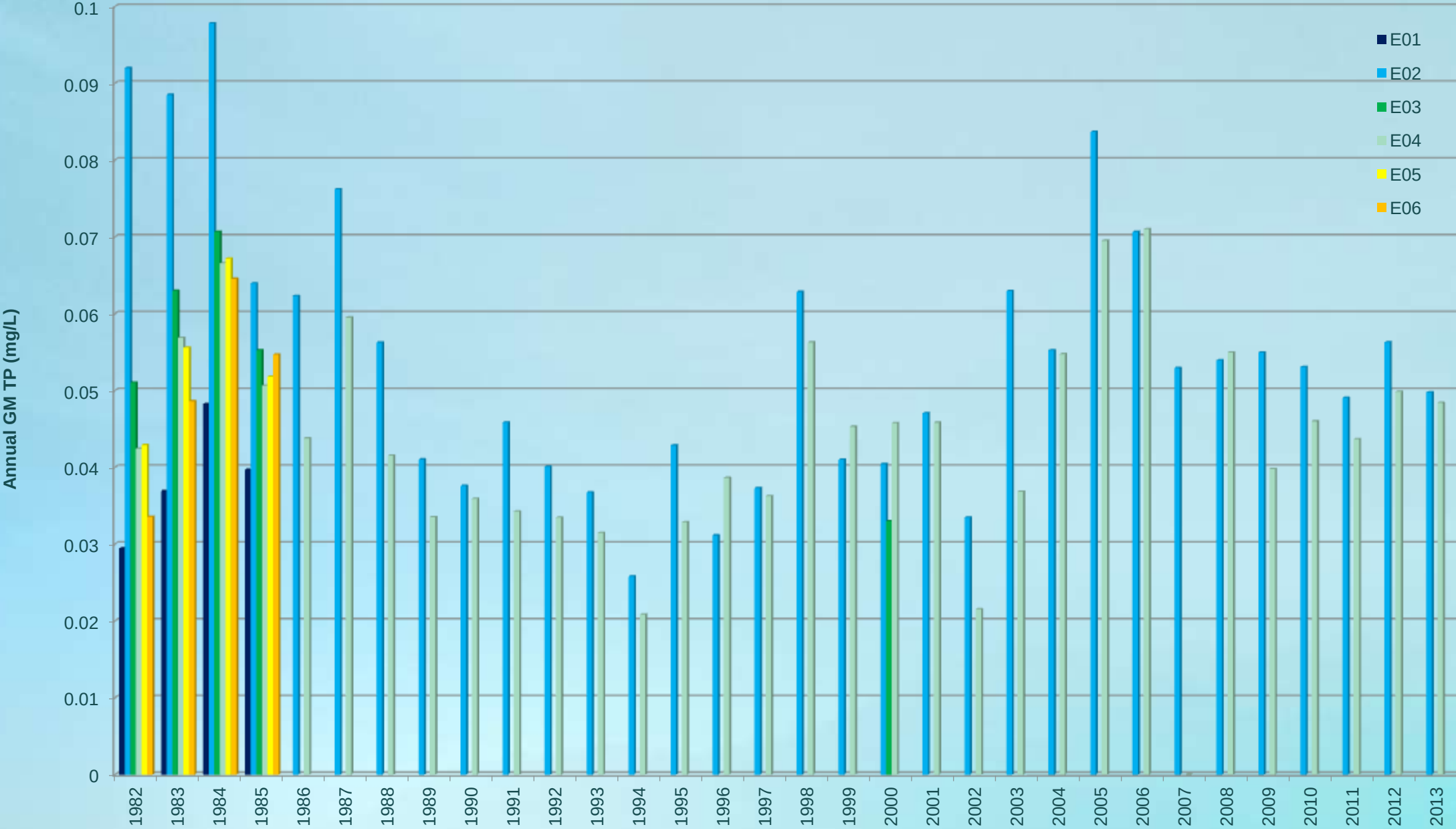




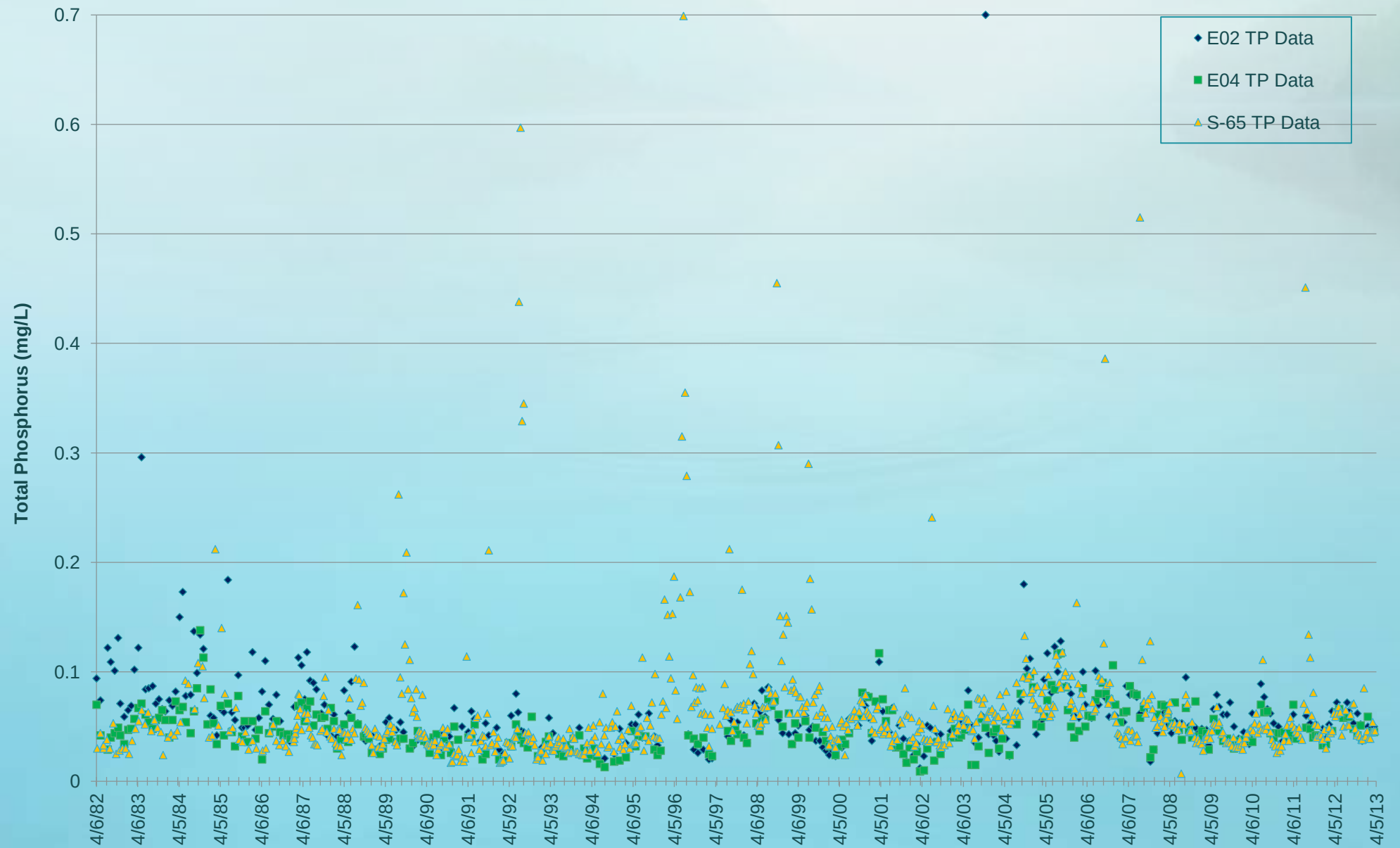
Lake Hatchineha Total Phosphorus (1982-2013)



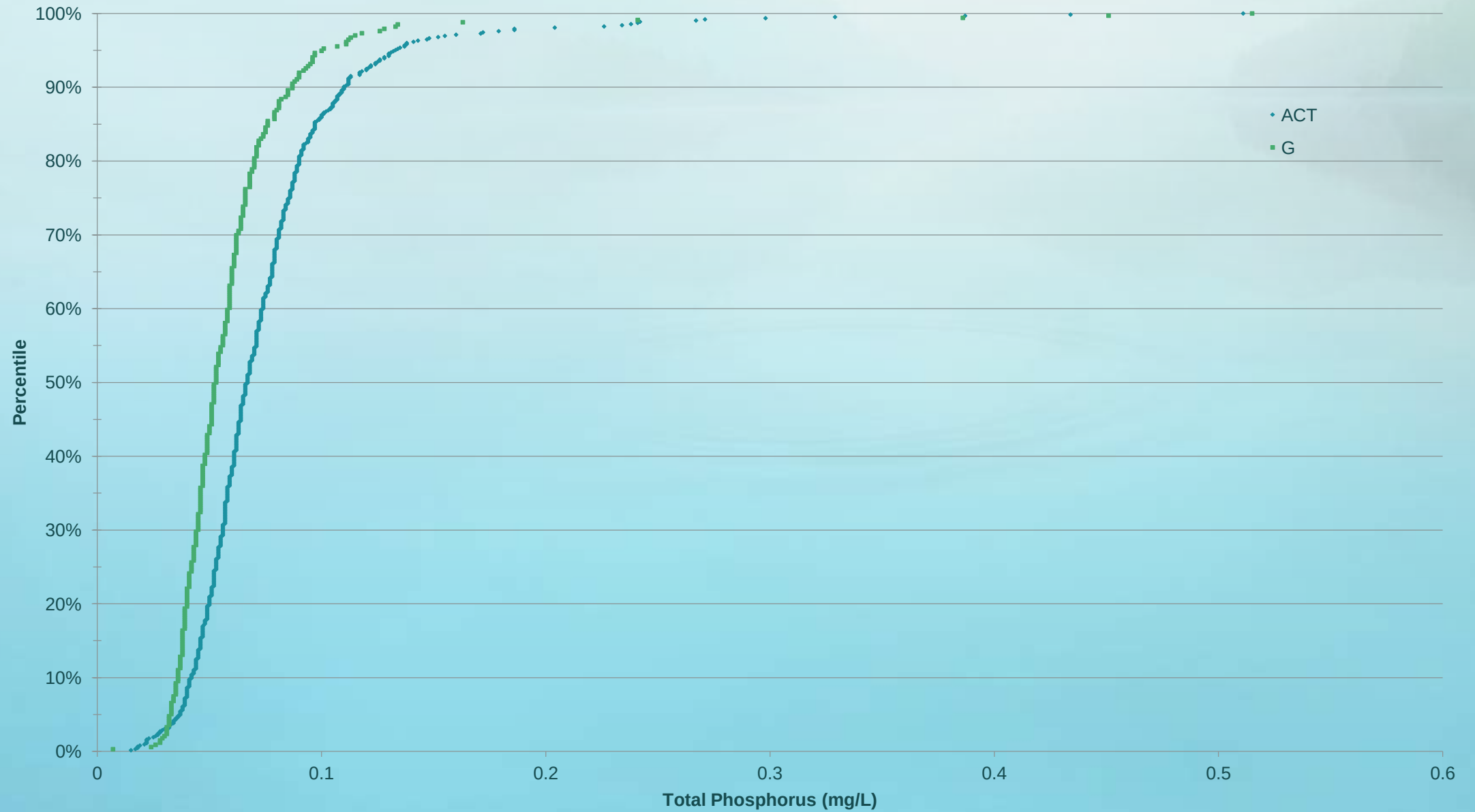
Lake Kissimmee Total Phosphorus



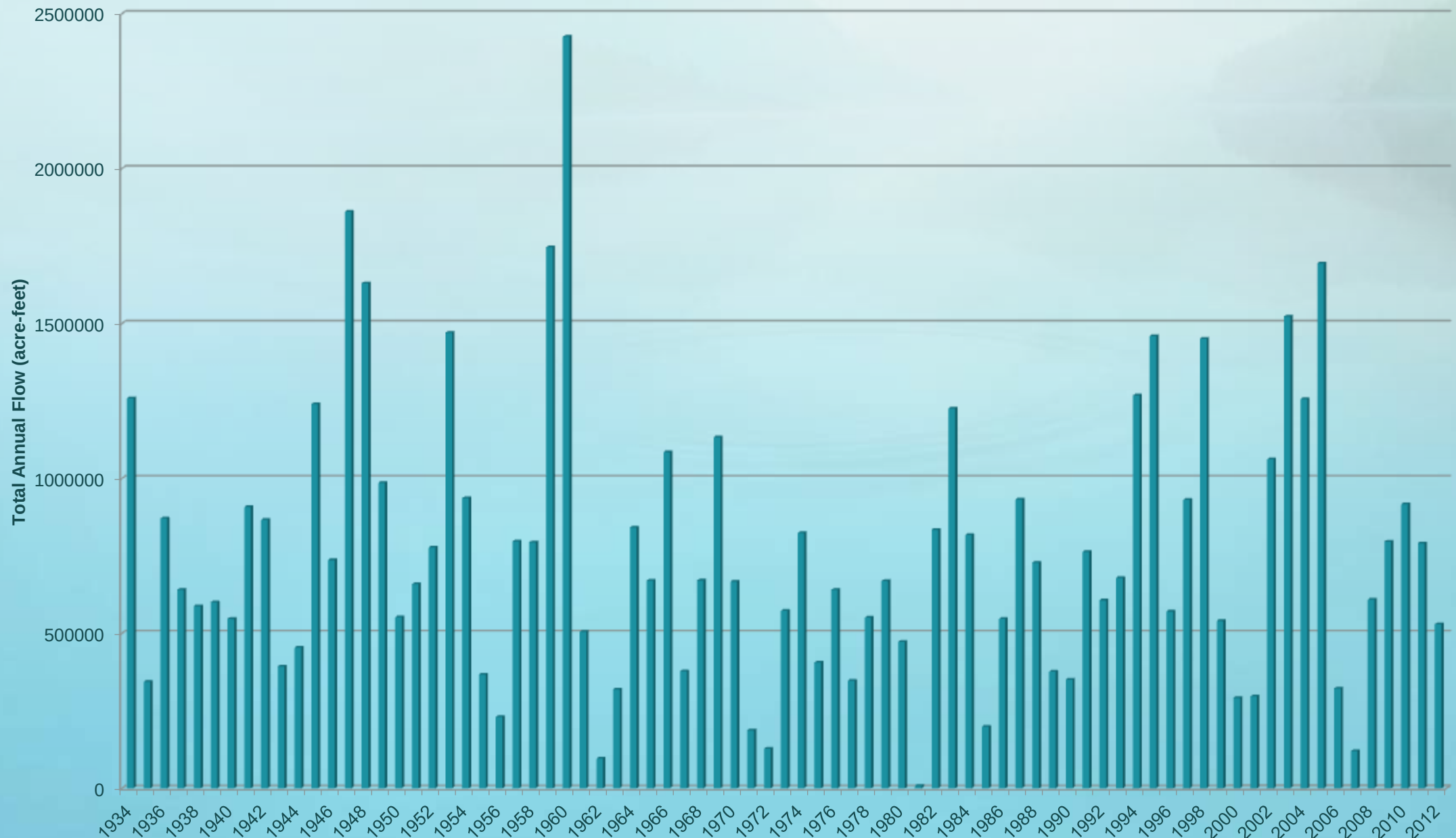
Lake Kissimmee In-Lake and S-65 Total Phosphorus



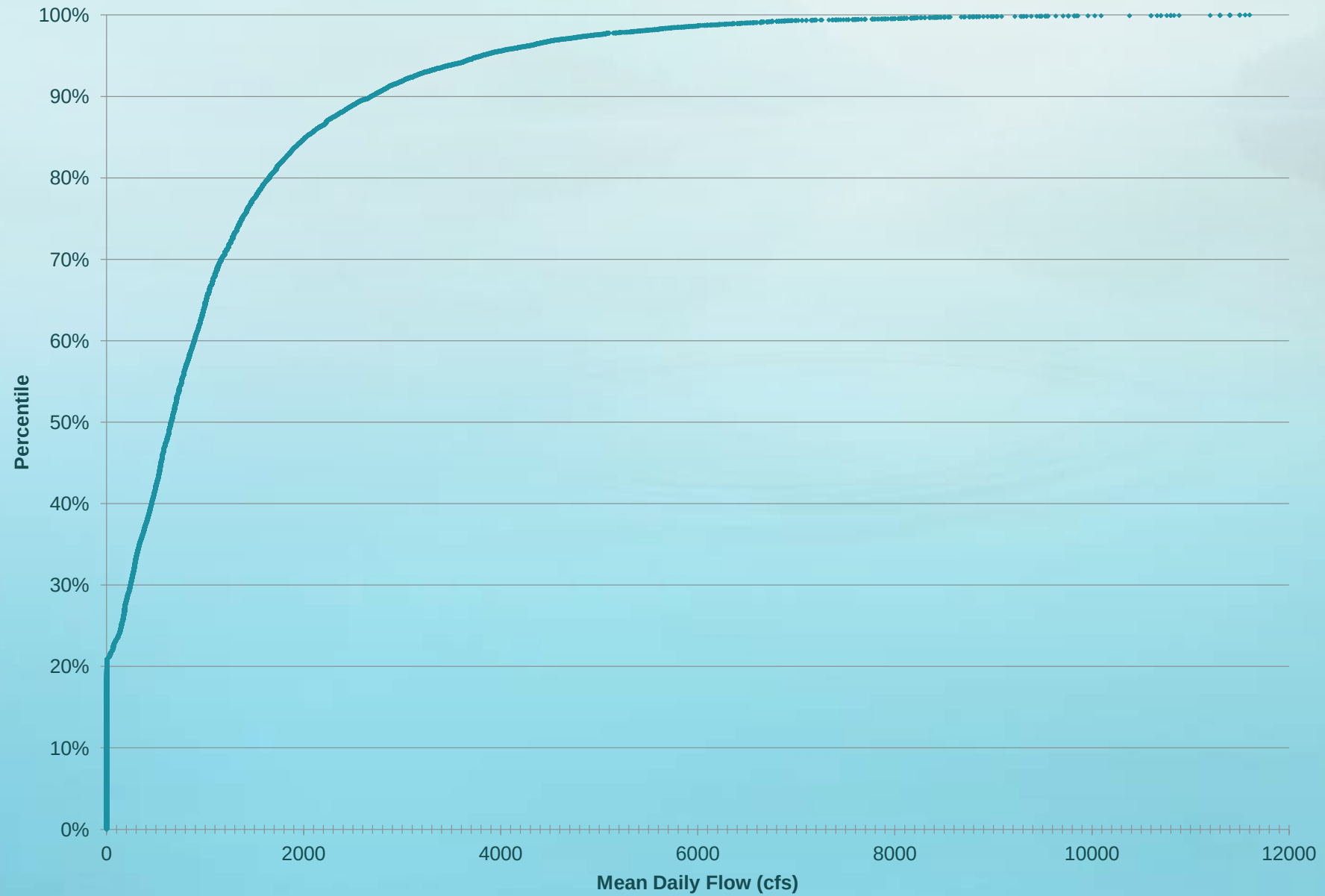
S-65 ACT Data vs Grab Samples



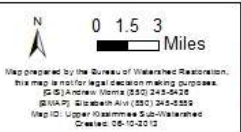
S-65 Total Annual Flows (1934-2012)



S-65 Mean Daily Flow Distribution



Sub-Watershed

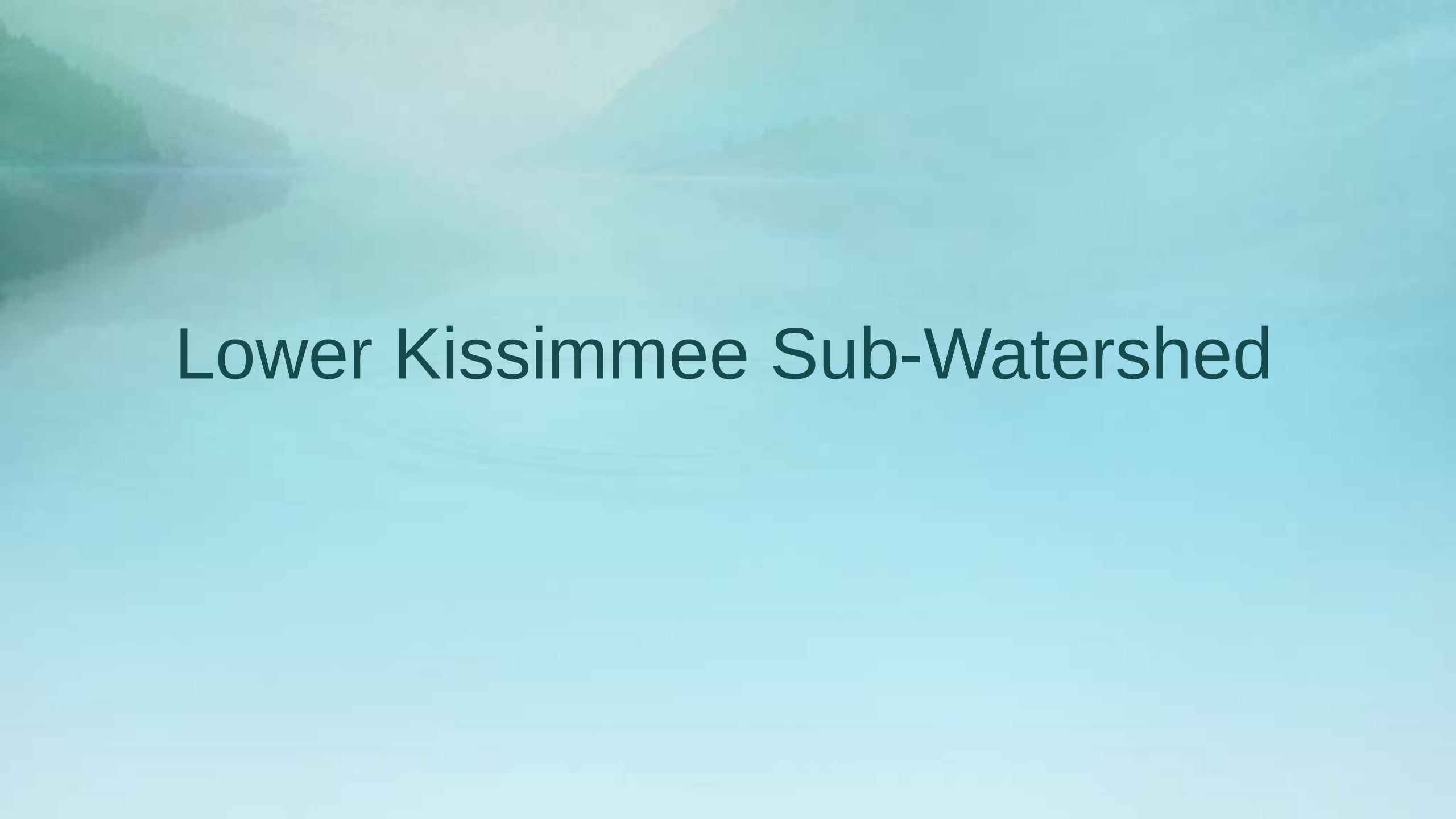


An Example of More Clear Computer Messages

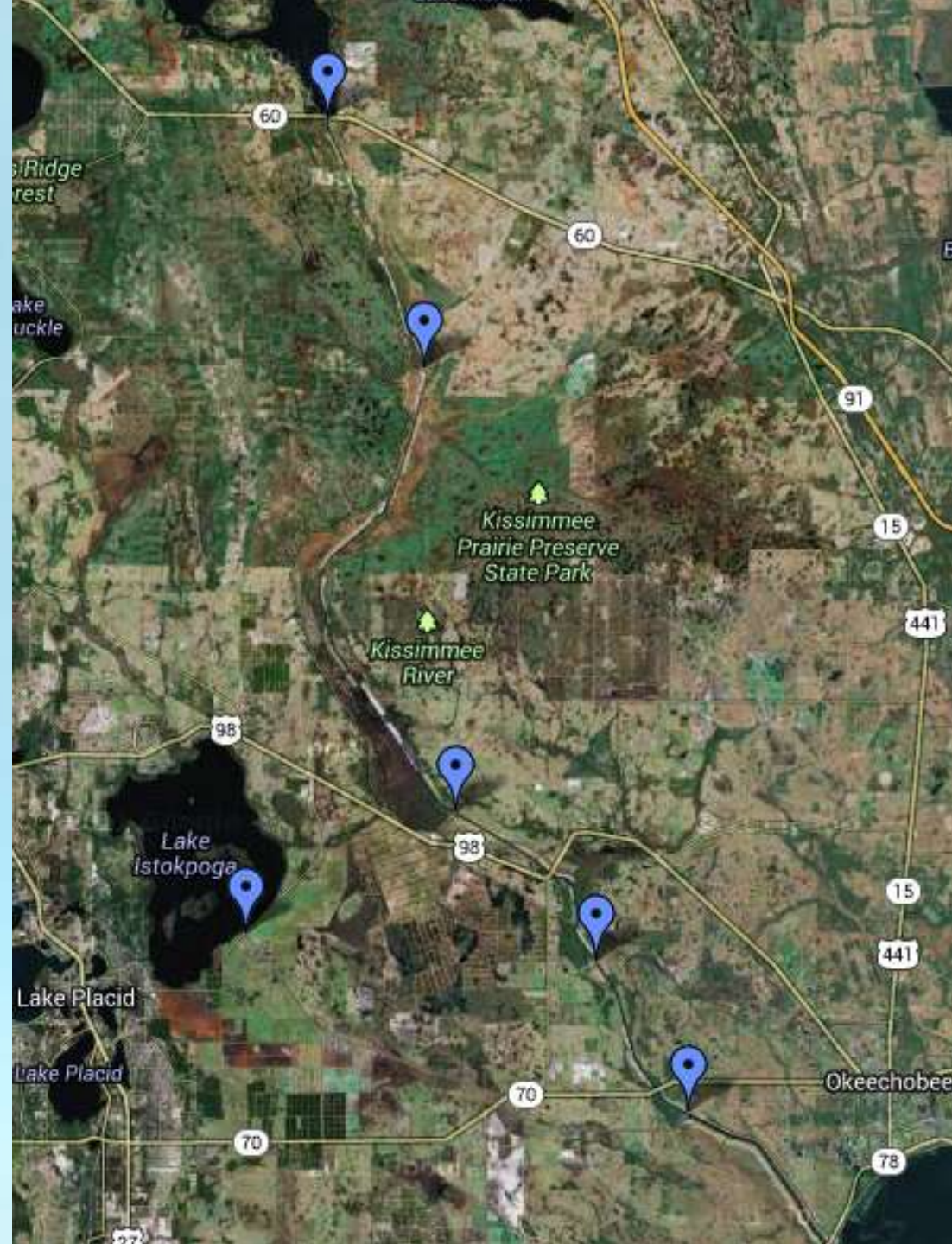


Upper Kissimmee Watershed Data Summary

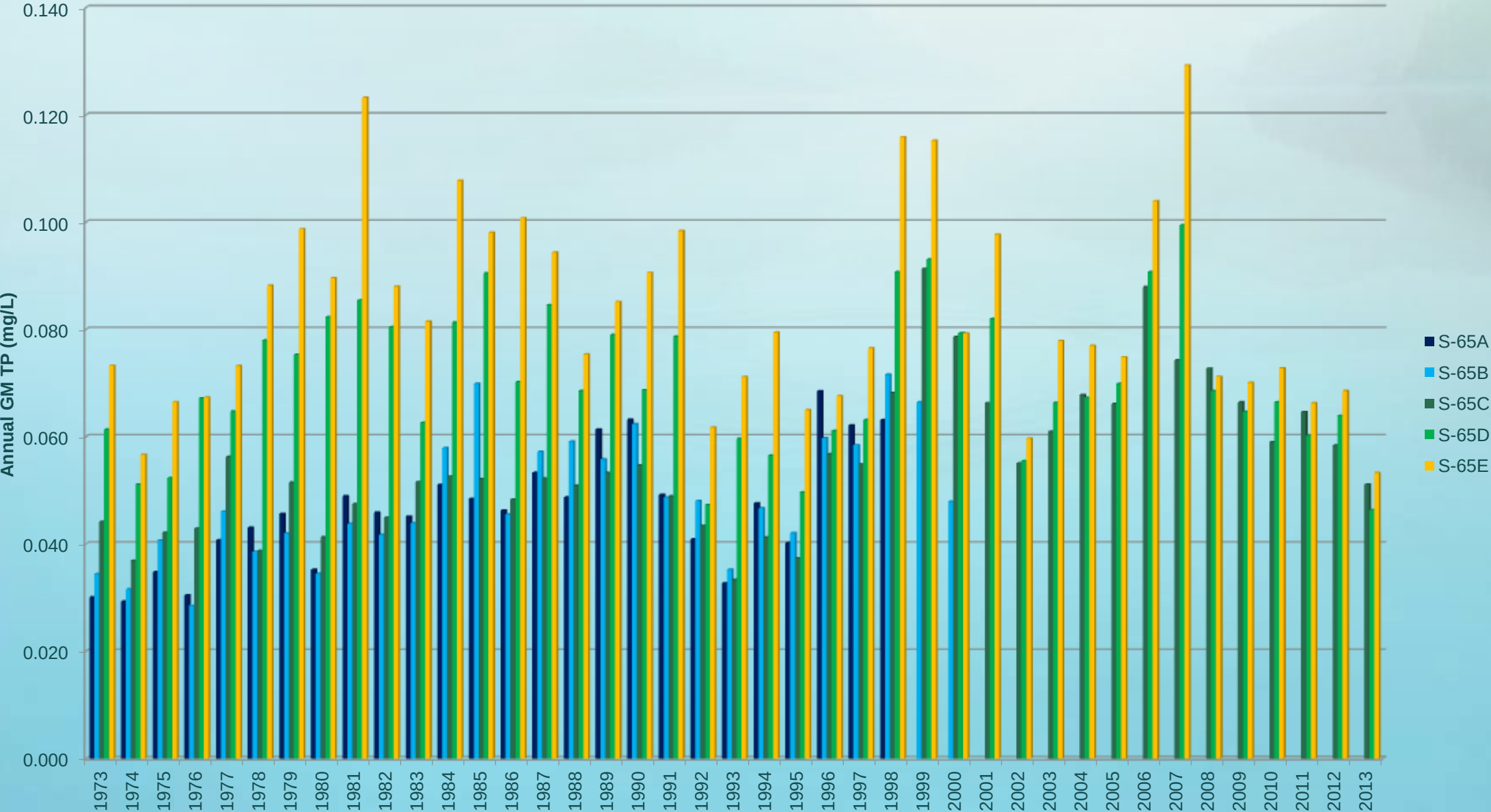
- TP Levels generally low
- Some indications in data of local sources
- Flow data typically “flashy”

The background image is a soft-focus, blue-toned photograph of a natural landscape. It depicts a calm body of water, possibly a river or a lake, which reflects the light from the sky. In the distance, there are rolling hills or mountains covered in dense green forest. The overall atmosphere is serene and misty, with a cool color palette dominated by various shades of blue and teal.

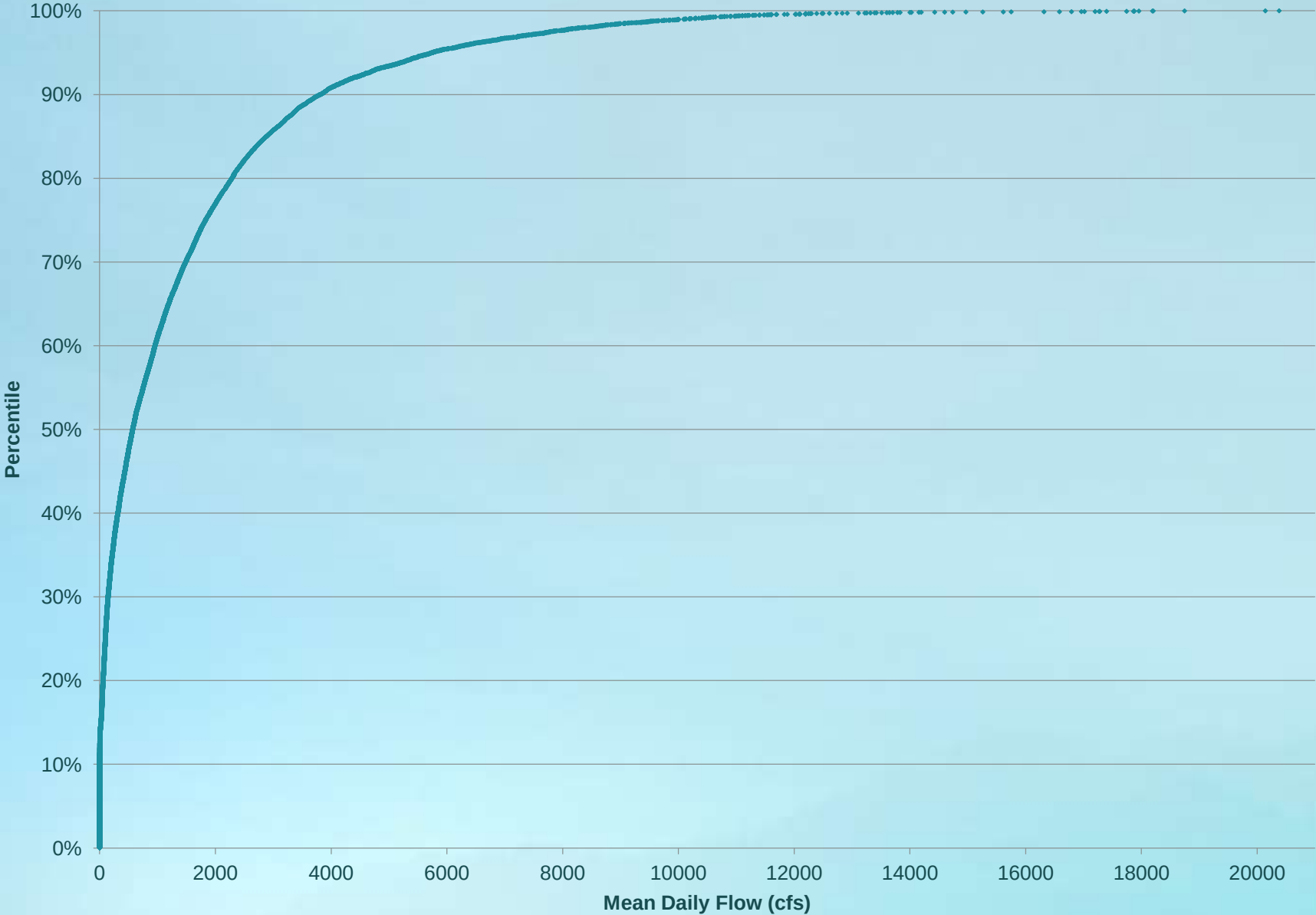
Lower Kissimmee Sub-Watershed



S-65A, B, C, D, & E Total Phosphorus

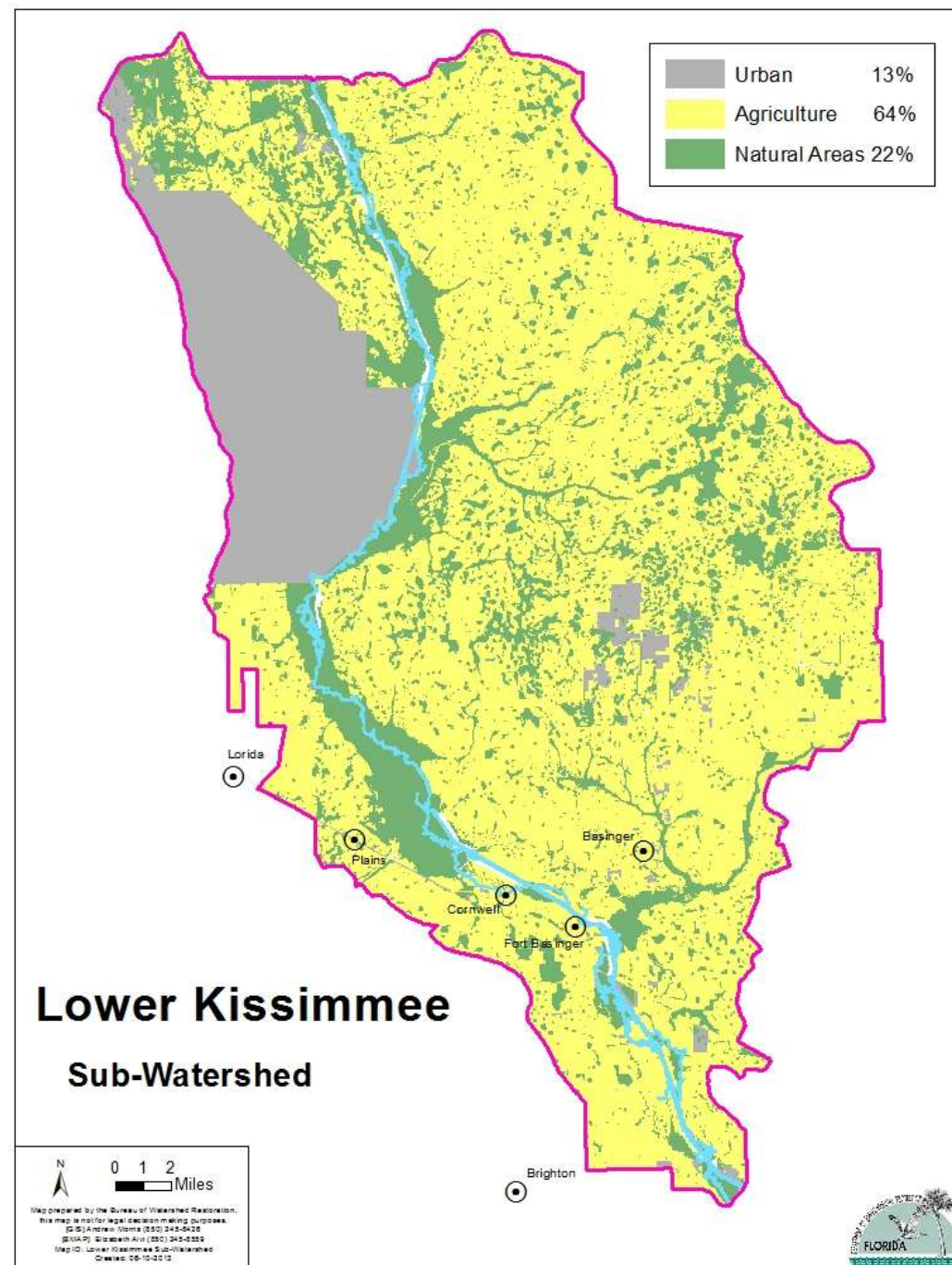


S-65E Flow Distribution



S-65E Flows vs S-65 Flows





Take Home Message

- Continue emphasis on storage/hydrologic restoration to attenuate peak flows.
- Continue to implement source controls – may need targeted program to identify and remediate specific sources.
 - TP in upper Kissimmee sub-watershed generally lower than in lower Kissimmee sub-watershed
 - Upper Kissimmee sub-watershed provides ~ 64% of total flow from total of two sub-watersheds to Lake O

Questions?

