

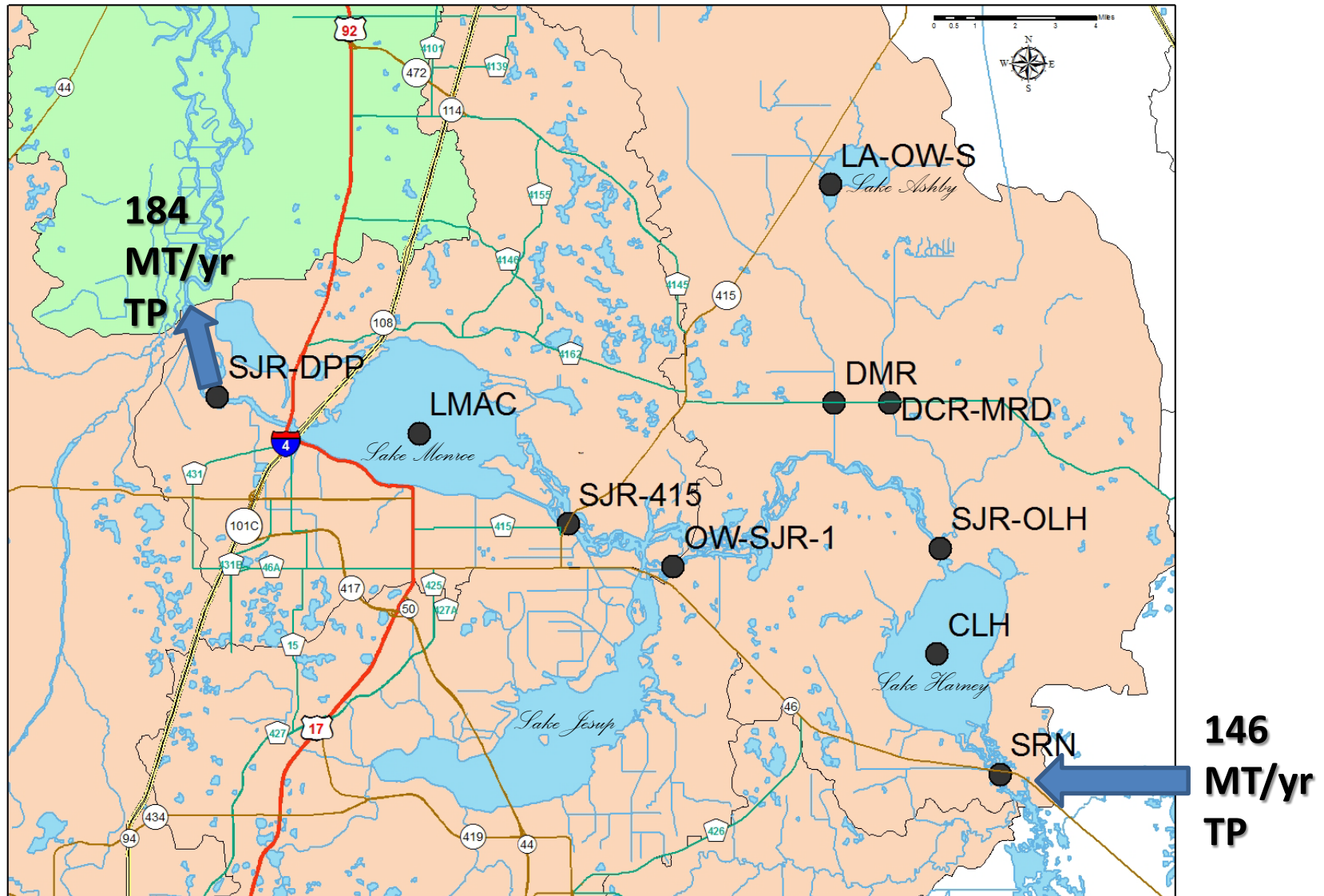
MSJRB Water Quality Update October 2014

SJRWMD Monitoring Network in BMAP

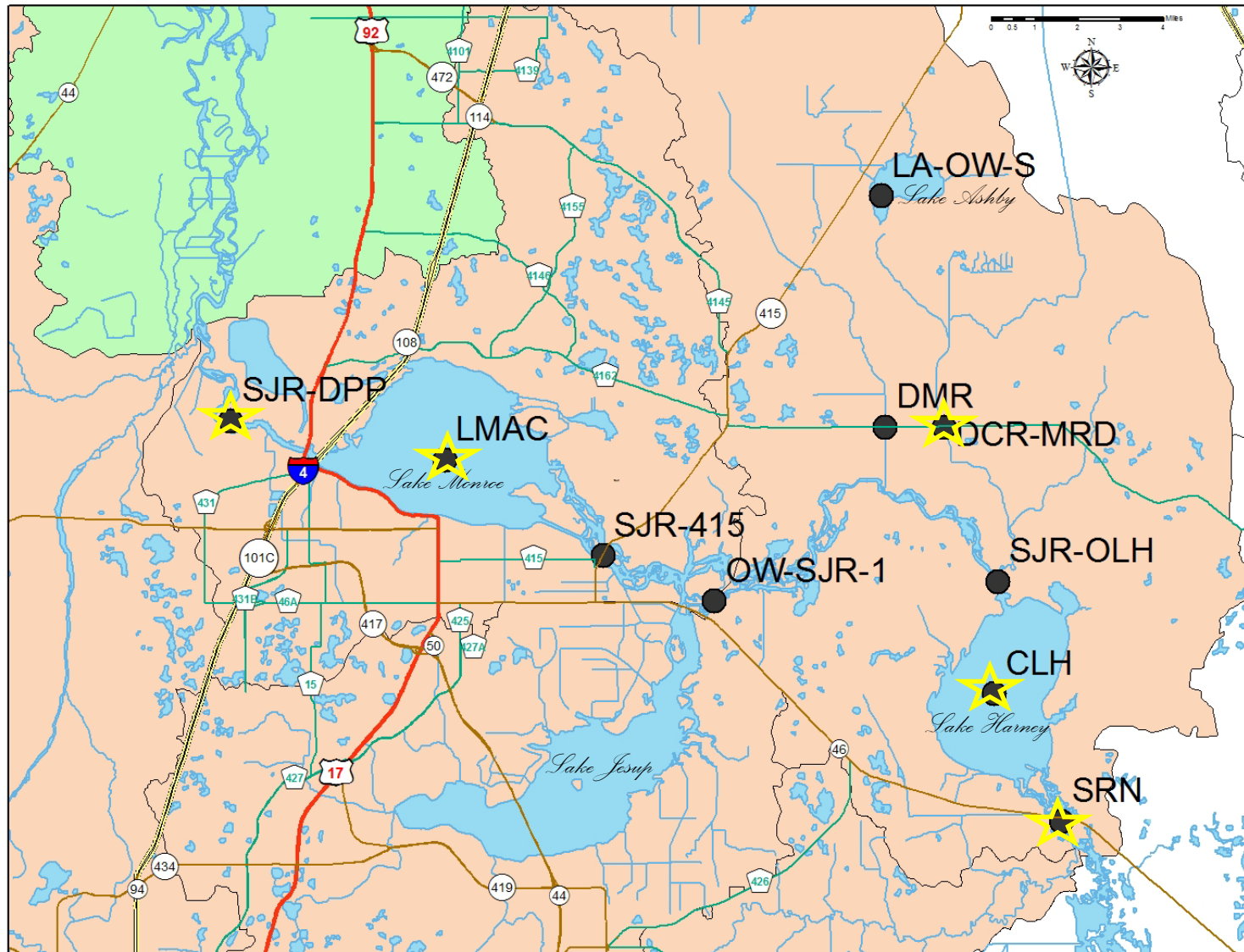
BMAP Monitoring Network SJRWMD

Station	Description	Start	Type
SRN	Lake Harney inflow - St. Johns River at SR46 Bridge	1982	Water Quality
CLH	Center of Lake Harney	2001	Water Quality
LA-OW-S	Lake Ashby open water	2003	Water Quality
DMR	Deep Creek Diversion at Maytown Road	2002	Water Quality
DCR-MRD	Deep Creek at Maytown Road	2002	Water Quality
SJR-OLH	Lake Harney Outfall - St. Johns River	2002	Water Quality
OW-SJR-1	Mid SJR upstream of Lake Jesup	1996	Water Quality
SJR-415	St. Johns River at 415 Bridge at Sanford	2002	Water Quality
LMAC	Lake Monroe at Center	1991	Water Quality
SJR-DPP	St. Johns River downstream of Power Plant	2002	Water Quality

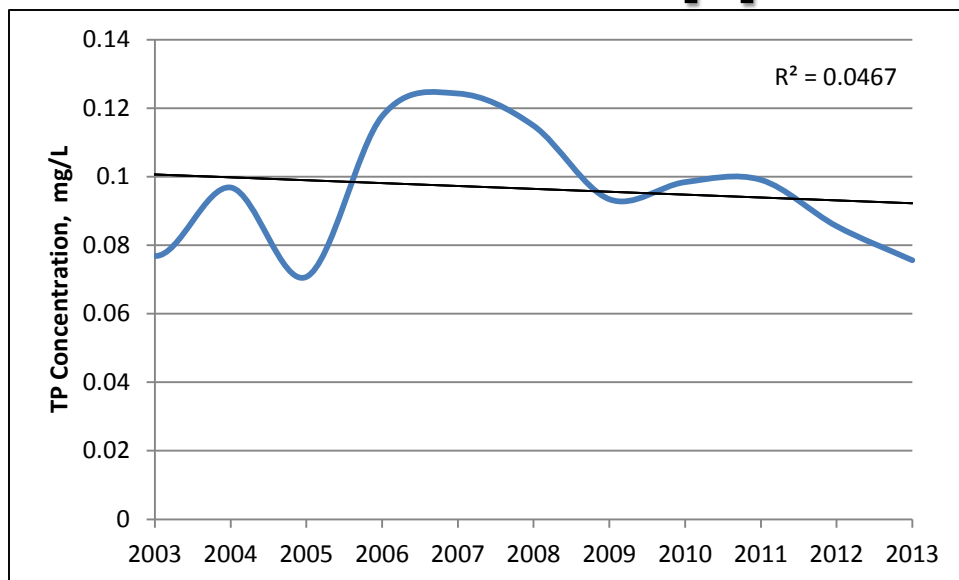
BMAP Monitoring Network SJRWMD



BMAP Monitoring Network SJRWMD

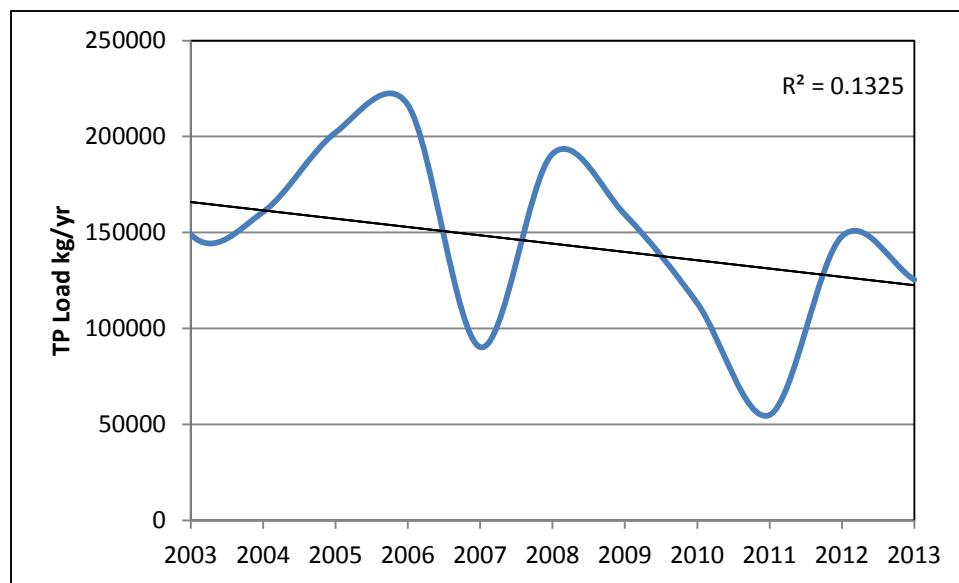


TP from Upper Basin & Econ R.

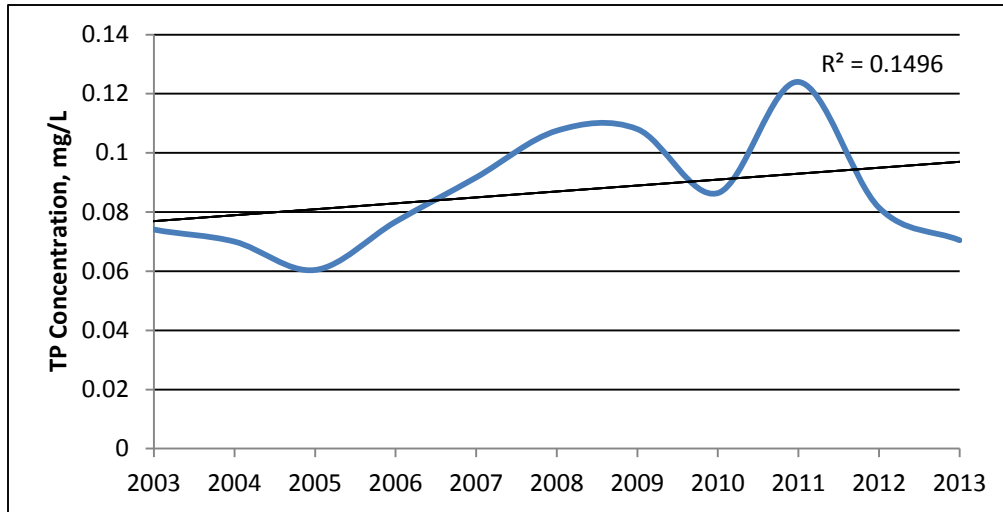


TP Concentration
Slight decrease but not a significant change
10-yr average: 0.096 mg/L

TP Load
Slight decrease but not a significant change
10-yr average: 146 MT/yr

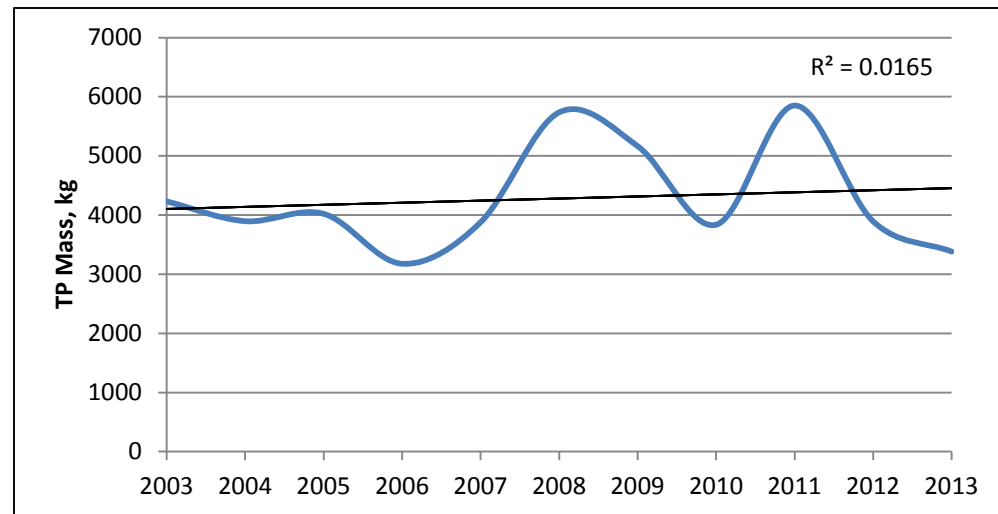


TP in Lake Harney

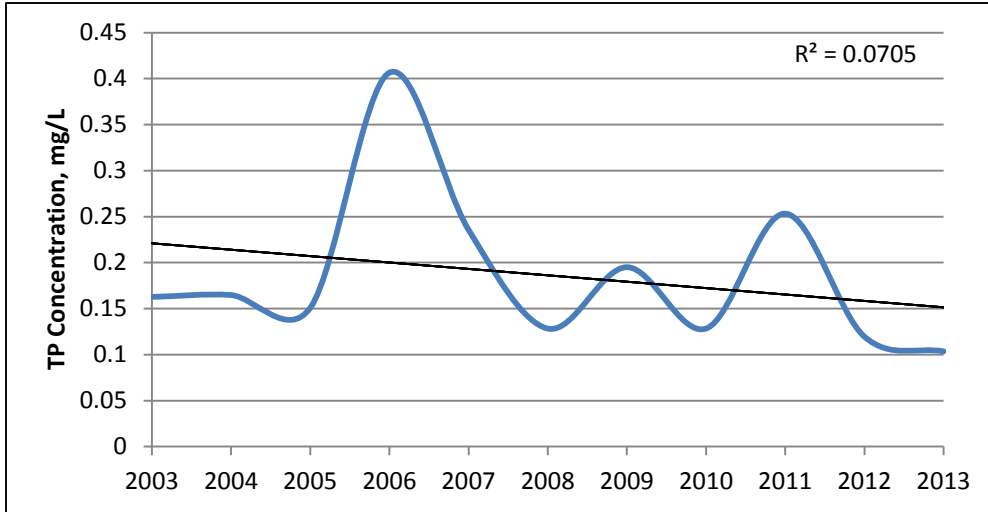


TP Concentration
Small but significant increase
10-yr average: 0.086 mg/L

TP Water Column Mass
Slight increase but not a
significant change
10-yr average: 4.3 MT/yr

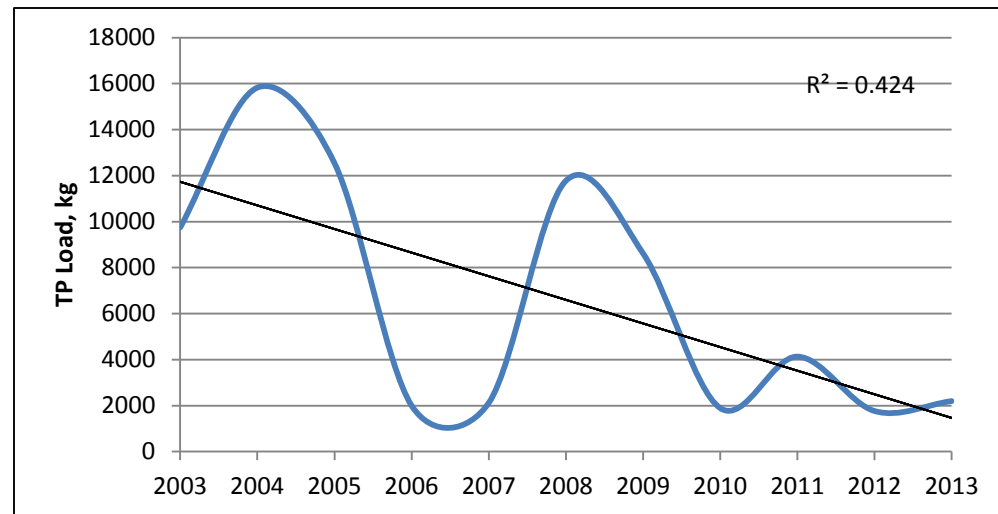


TP from Deep Creek

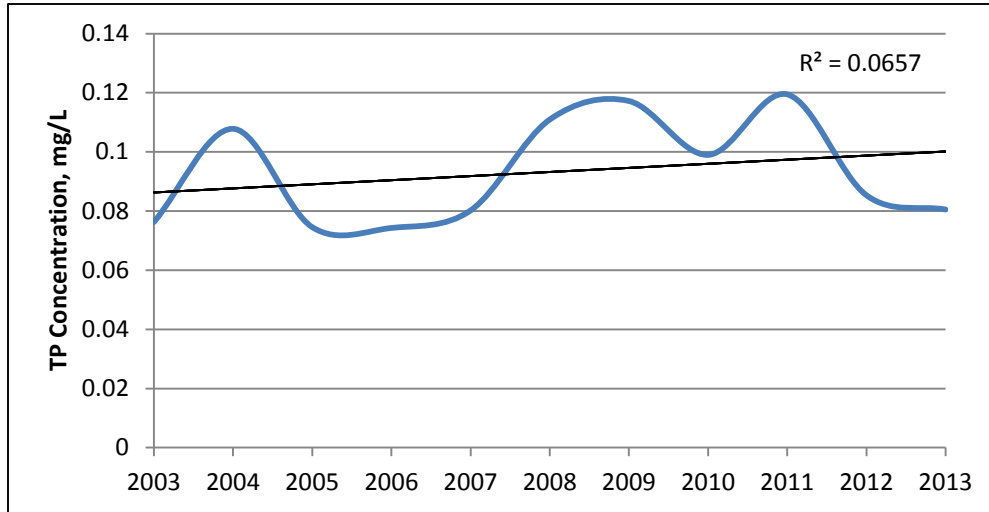


TP Concentration
Slight decrease but not a significant change
10-yr average: 0.186 mg/L

TP Load
Significant decrease
10-yr average: 6.6 MT/yr

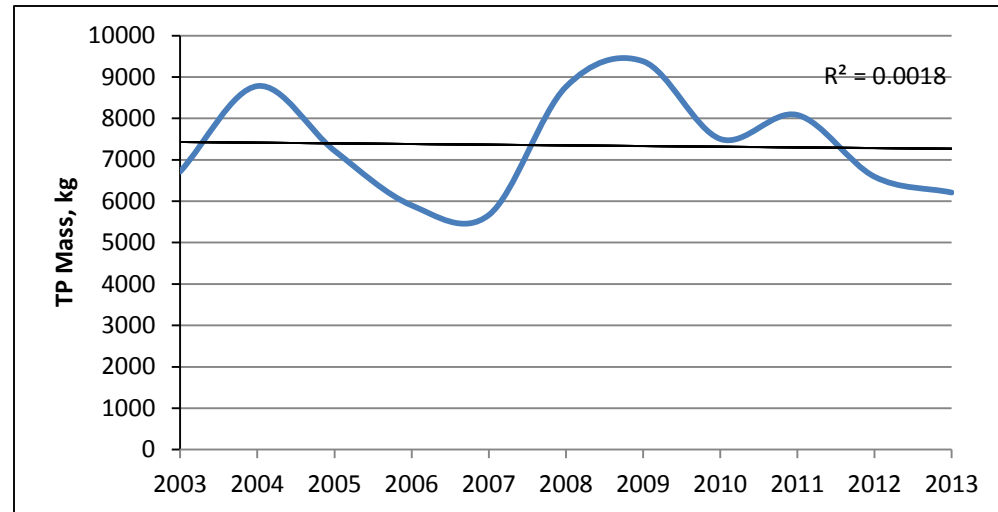


TP in Lake Monroe

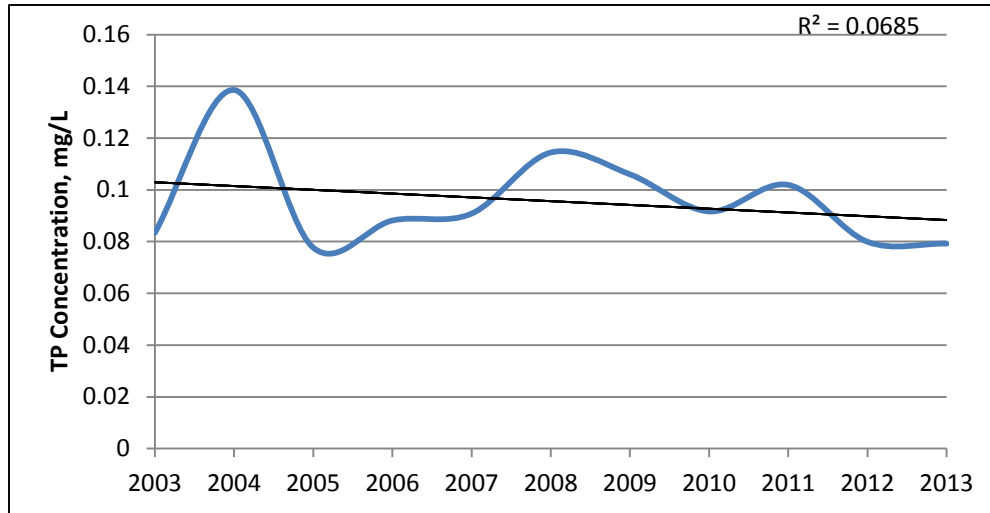


TP Concentration
Slight increase but not significant
10-yr average: 0.093 mg/L

TP Water Column Mass
No change
10-yr average: 7.4 MT/yr

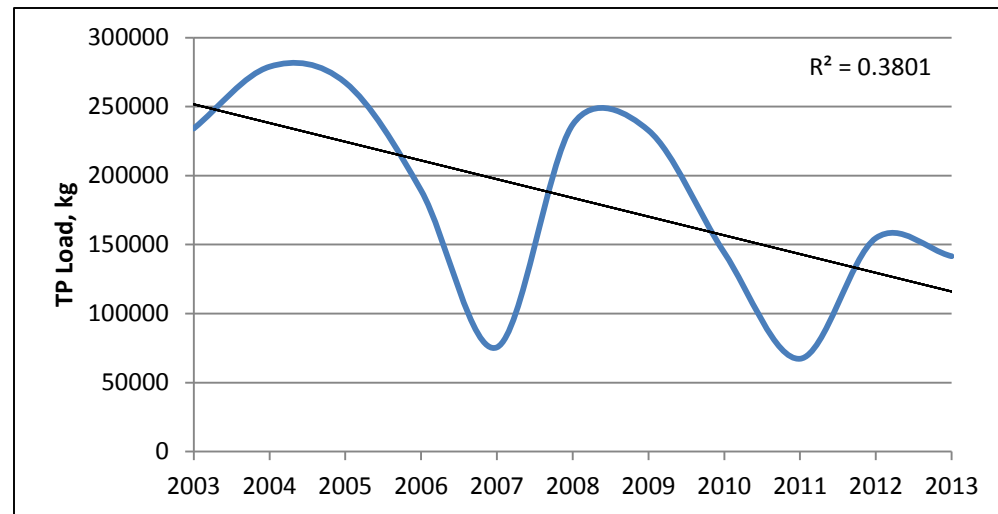


TP Downstream of Lake Monroe



TP Concentration
Slight decrease but not a significant change
10-yr average: 0.096 mg/L

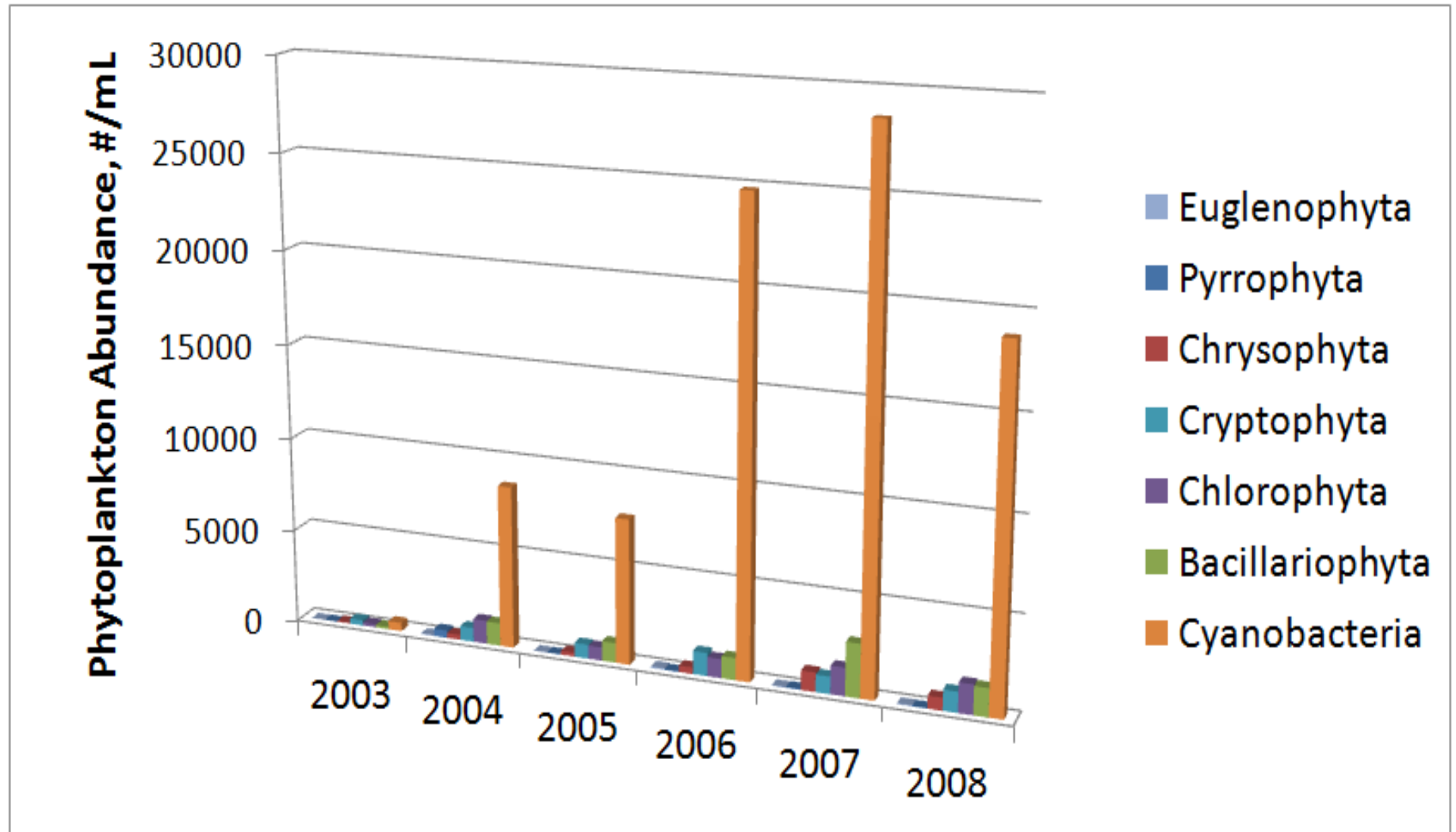
TP Load
Significant decrease
10-yr average: 184 MT/yr



Other Monitoring Sites

- **Lake Ashby**
 - Significant decrease
- **Deep Creek Diversion**
 - No change
- **Downstream of Jesup**
 - No change

Annual Average Phytoplankton Abundance



Summary

- No change in incoming TP load or concentration
- Some decrease in TP export
- Increasing TP in Lake Harney
- Significant decrease in Lake Ashby TP leading to lower TP load from Deep Creek
- Cyanobacteria abundance 42x higher between 2003 and 2008