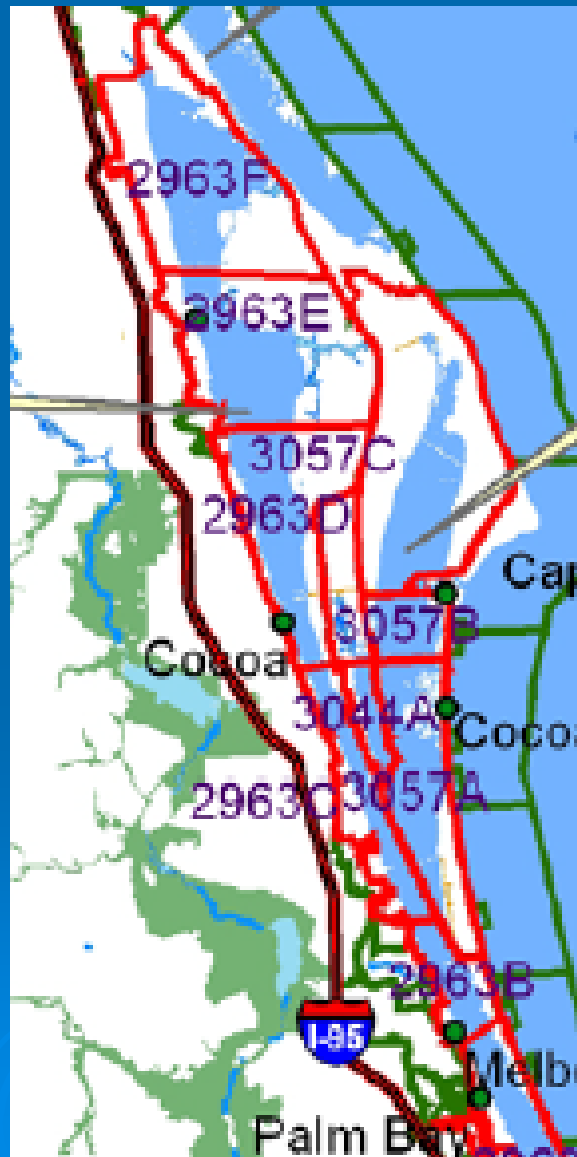


IRL North and Tributaries TMDLs



WBIDs in North IRL



Nonpoint Source TN LAs

WBID	Existing Nonpoint Load (lbs/yr)	LA (lbs/yr)	% Reduction
<i>Without Atmospheric Deposition</i>			
2963F	134,968	88,322	35%
2963E	146,598	95,932	35%
2963D	115,901	73,882	36%
2963B+2963C	178,946	114,459	36%
Total	576,413	372,595	35%
<i>With Atmospheric Deposition</i>			
2963F	223,866	177,220	21%
2963E	223,898	173,232	23%
2963D	181,432	139,413	23%
2963B+2963C	244,355	179,868	26%
Total	873,551	669,733	23%

Nonpoint Source TP LAs

WBID	Existing Nonpoint Load (lbs/yr)	LA (lbs/yr)	% Reduction
<i>Without Atmospheric Deposition</i>			
2963F	13,901	7,307	47%
2963E	24,812	13,042	47%
2963D	18,618	8,752	53%
2963B+2963C	36,176	18,886	48%
Total	93,507	47,987	49%
<i>With Atmospheric Deposition</i>			
2963F	15,914	9,320	41%
2963E	26,563	14,793	44%
2963D	20,102	10,236	49%
2963B+2963C	37,657	20,367	46%
Total	100,236	54,716	45%

Point Source TN WLAs

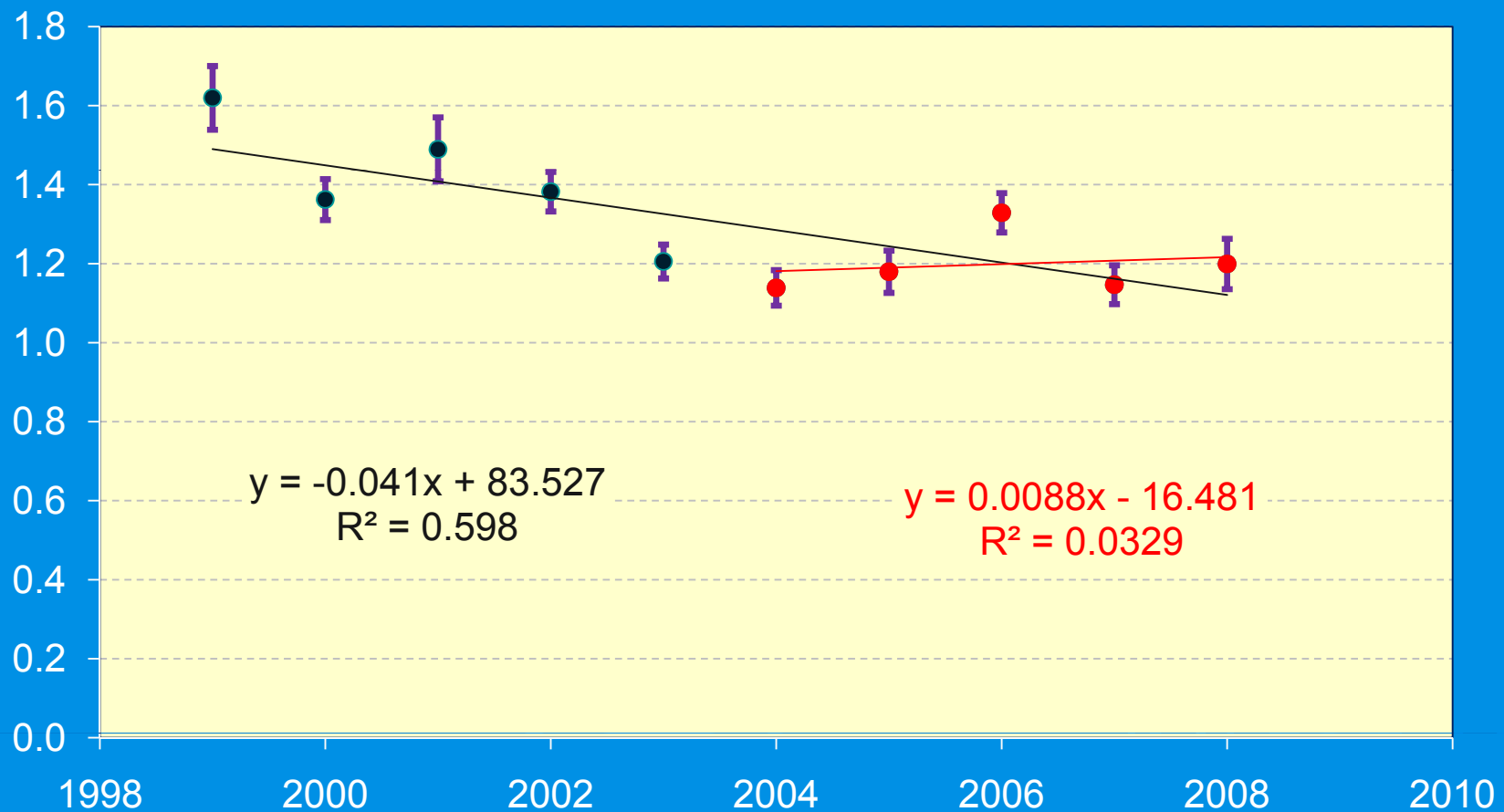
NPDES Facility	Annual Average Load 2001–05 (lbs/yr)	95 th Percentile Annual Load (lbs/yr)	WLA (lbs/yr)
FL0021521 Cocoa/ J. Sellers	5,556	8,932	5,556
FL0001473 Cape Canaveral PP	N/A	N/A	
FL0000680 Reliant Energy Indian River	N/A	N/A	
FL0021571 Rockledge	0	0	30
FL0043443 Melbourne RO	6,585	9,170	9,170

Point Source TP WLAs

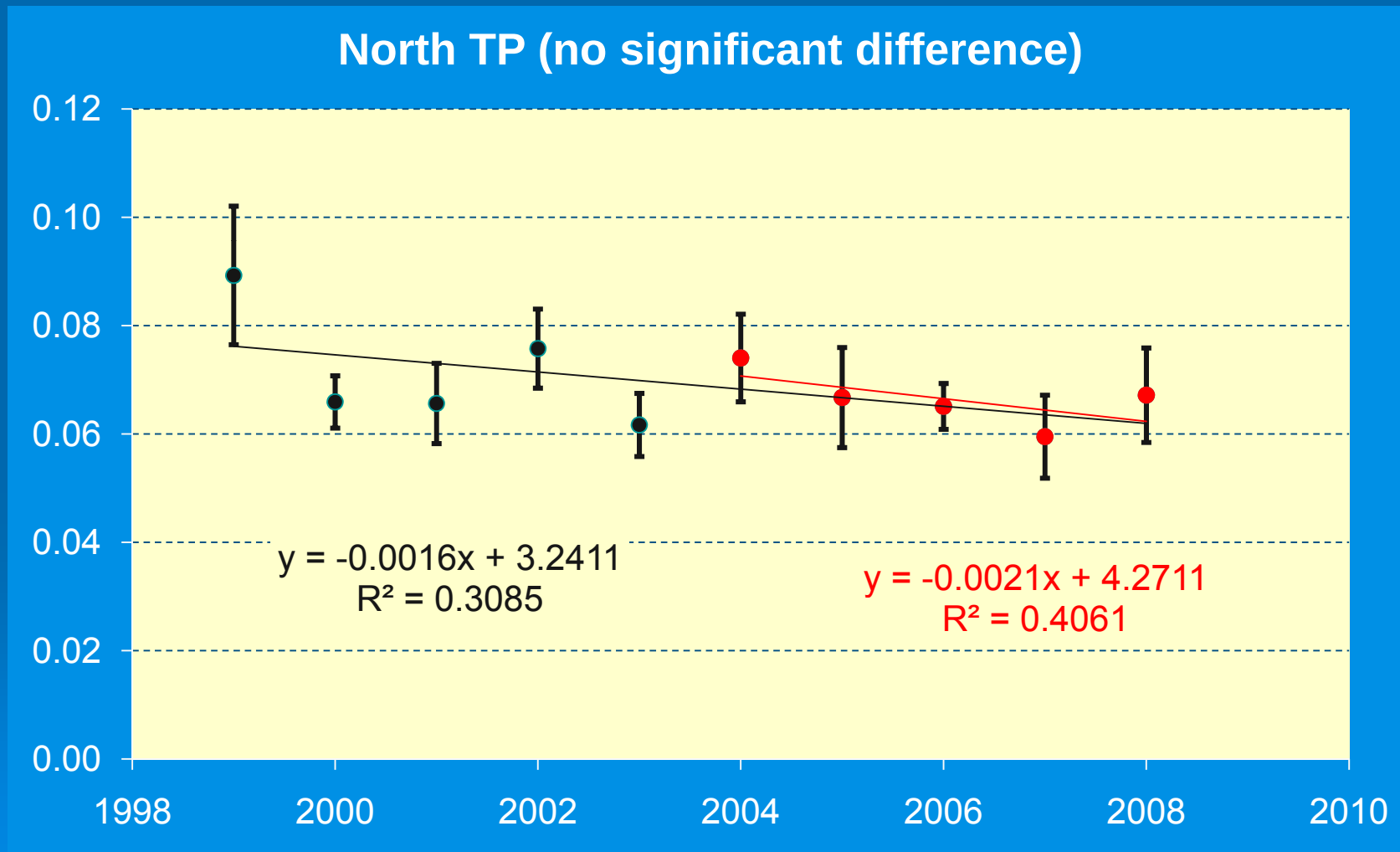
NPDES Facility	Annual Average Load 2001–05 (lbs/yr)	95 th Percentile Annual Load (lbs/yr)	WLA (lbs/yr)
FL0021521 Cocoa/J. Sellers	578	1,423	1,423
FL0001473 Cape Canaveral PP			146
FL0000680 Reliant Energy Indian River	12	40	40
FL0021571 Rockledge	0	0	30
FL0043443 Melbourne RO	101	195	195

Recent water quality trends—TKN

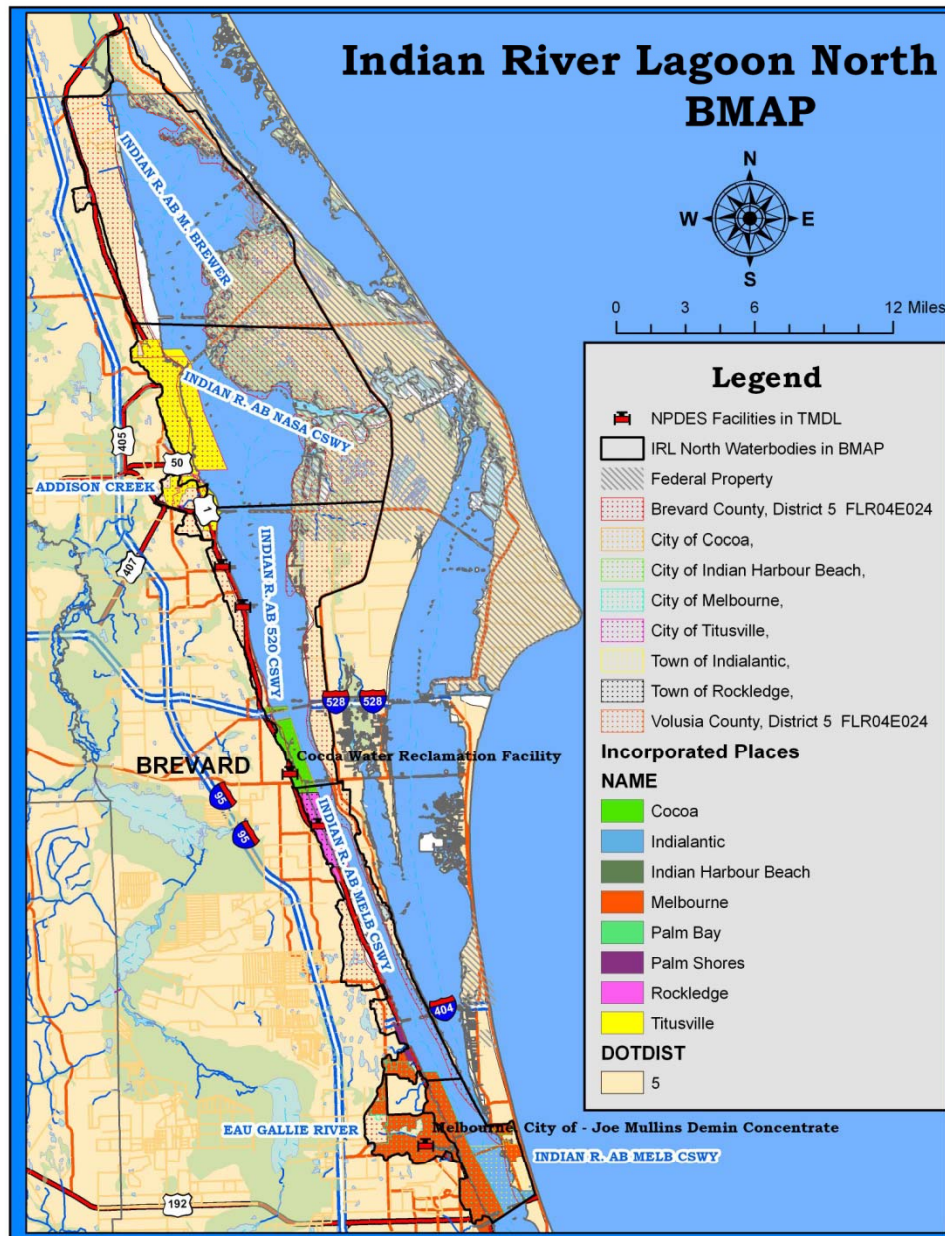
North TKN (significant difference, 15% reduction)



Recent water quality trends—TP



Indian River Lagoon North BMAP



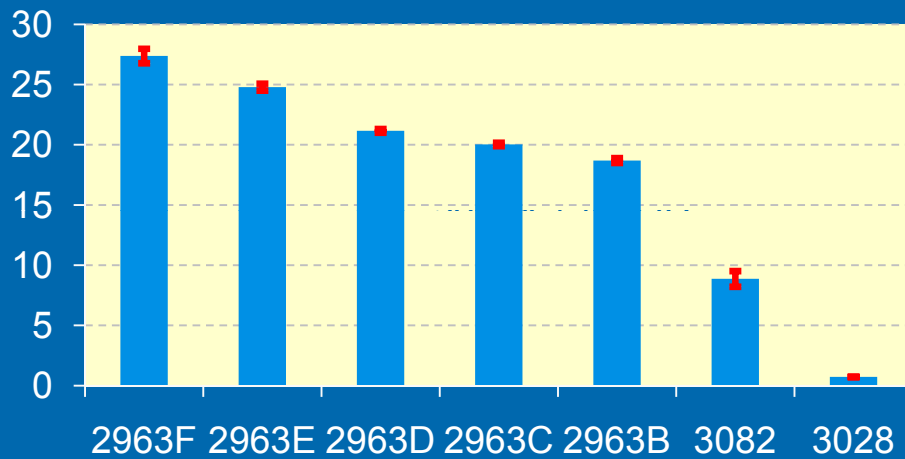
Tributaries and Point Source Discharges in North IRL

Tributaries TMDLs

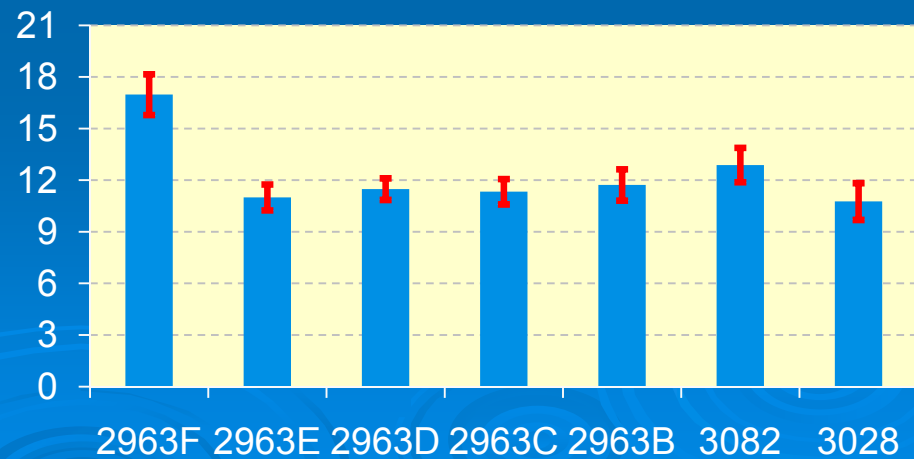
- Are still on schedule to be completed late this year or early next year
- Approach not yet finalized, but may use combination of literature targets and simulated natural background
- Results, if above approach is used, likely to require reductions similar to those for IRL

Salinity and TSS Concentrations

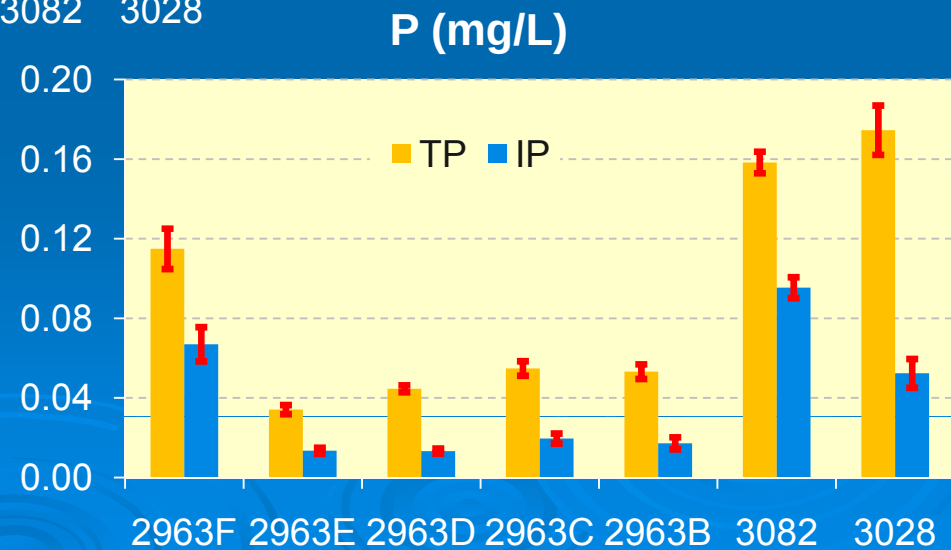
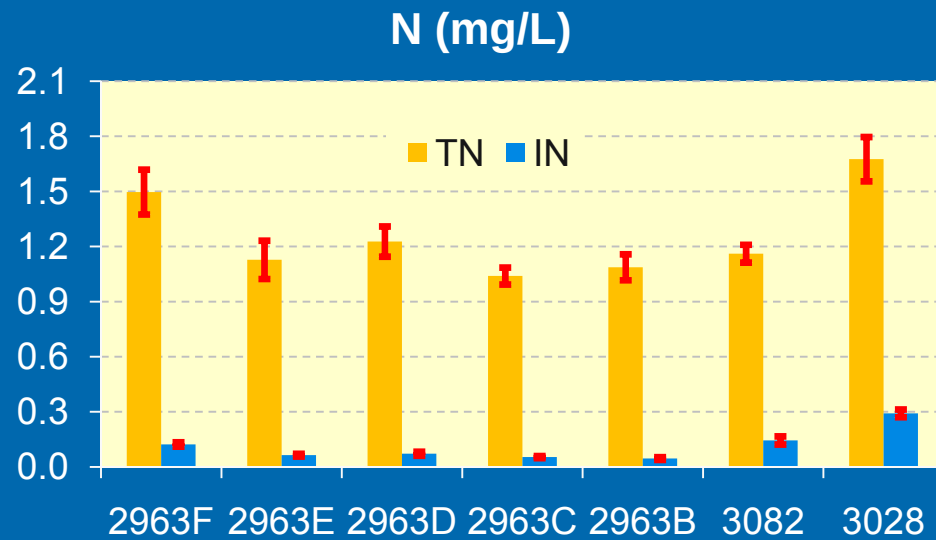
Salinity (ppt)



TSS (mg/L)

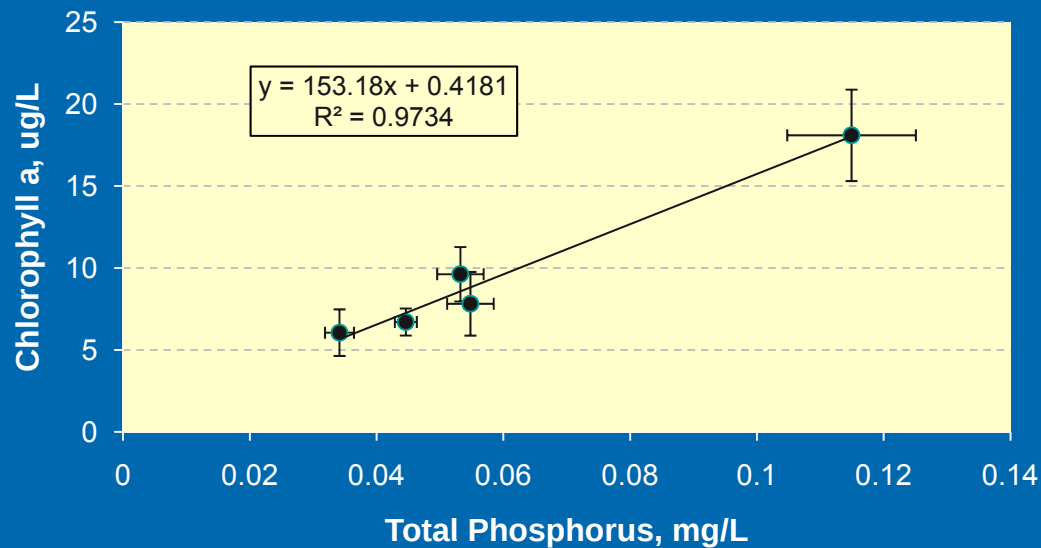


TN and TP Concentrations



Chlorophyll - Nutrients

Chlorophyll a - Total Phosphorus, Main Stem



Chlorophyll a - Total Nitrogen, Main Stem

