

CITY OF CAPE CORAL

MEMORANDUM

TO: Oliver Clarke  
FROM: Connie Jarvis  
DATE: January 7, 2011  
RE: North Cape / Matlacha Data re Ceitus Issue

The City's Environmental Resources Section has the following comments in reference to the charts graphing the data supplied by our section and data taken from the Lee County website. These graphs do show that the water quality in the Northern Cape system is better than the water quality standards both proposed by the Environmental Protection Agency (EPA) and the current standards of the Florida Department of Health (FDOH) the majority of the time. I've also attached a map which includes our specific sample locations. The specific parameters most linked to nutrient issues are better defined as follows:

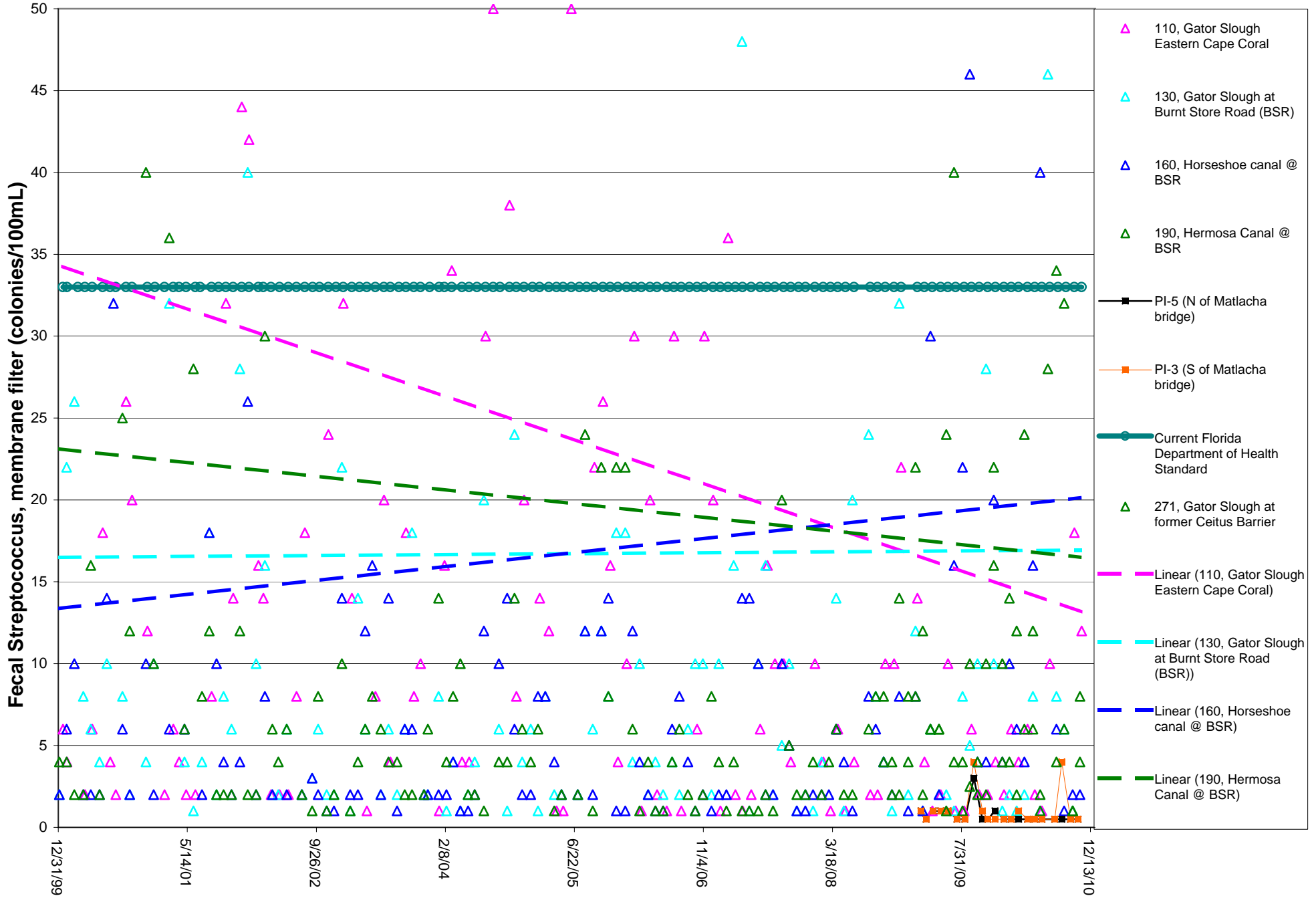
Nitrogen levels are predominately well below the proposed EPA canal water quality criteria and appear to be trending lower at these Cape canal and Matlacha Pass sample locations.

Phosphorous levels appear to have declined consistently over the past decade at these Cape canal and Matlacha Pass sampling locations. Concentrations at these canal sampling sites over the past five years are predominately below the proposed EPA canal water quality criteria.

Fecal streptococcus levels are predominately well below the current FDOH standards in these canal and Matlacha sample locations.

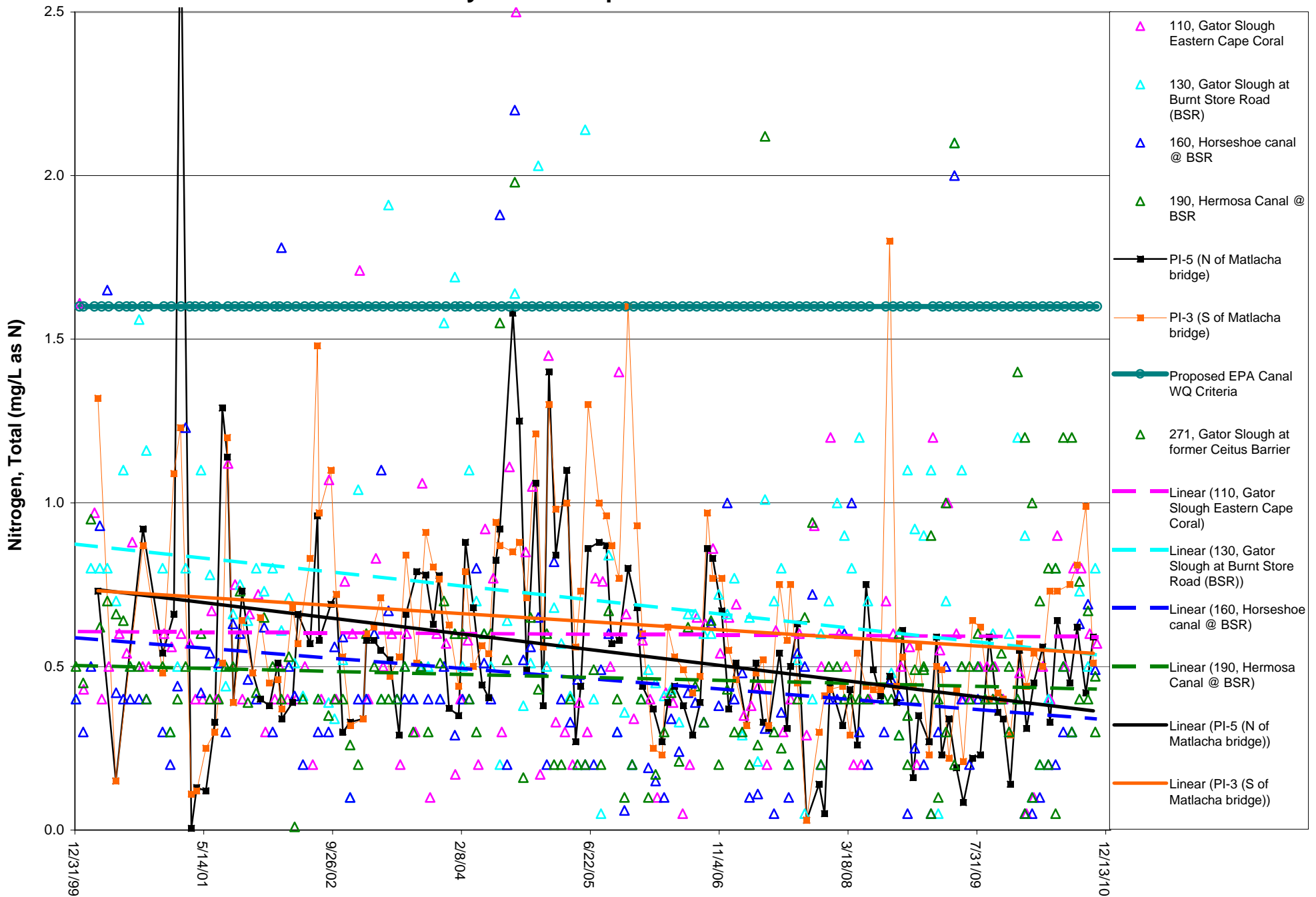
Oc/csj

# Water Quality - North Cape Coral Canals & Matlacha Pass



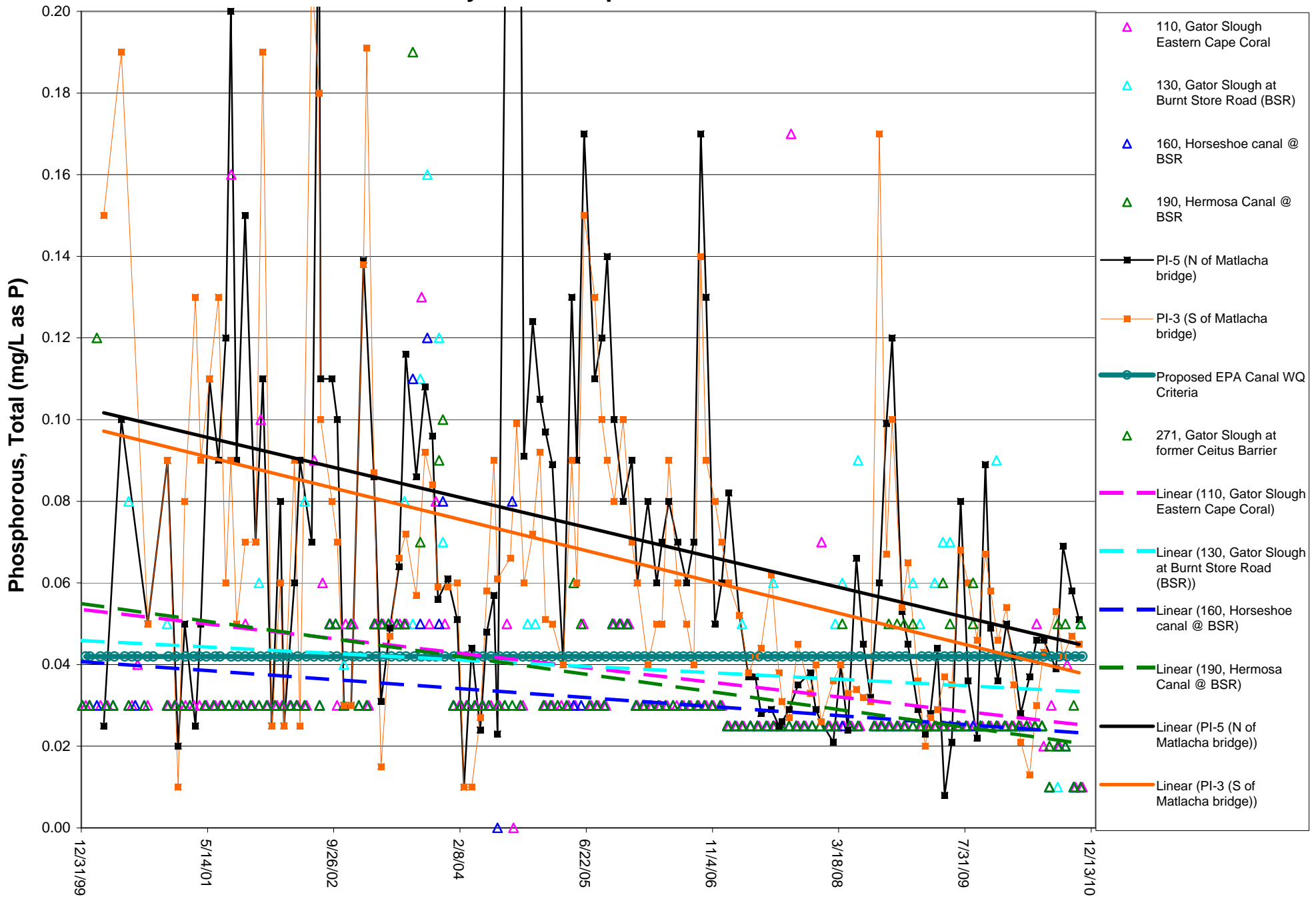
Source data: Lee County Environmental Resources, City of Cape Coral Environmental Resources . Y axis scale limited to better distinguish the preponderance of readings and trend lines.

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# CITY OF CAPE CORAL Water Quality Sampling Stations

