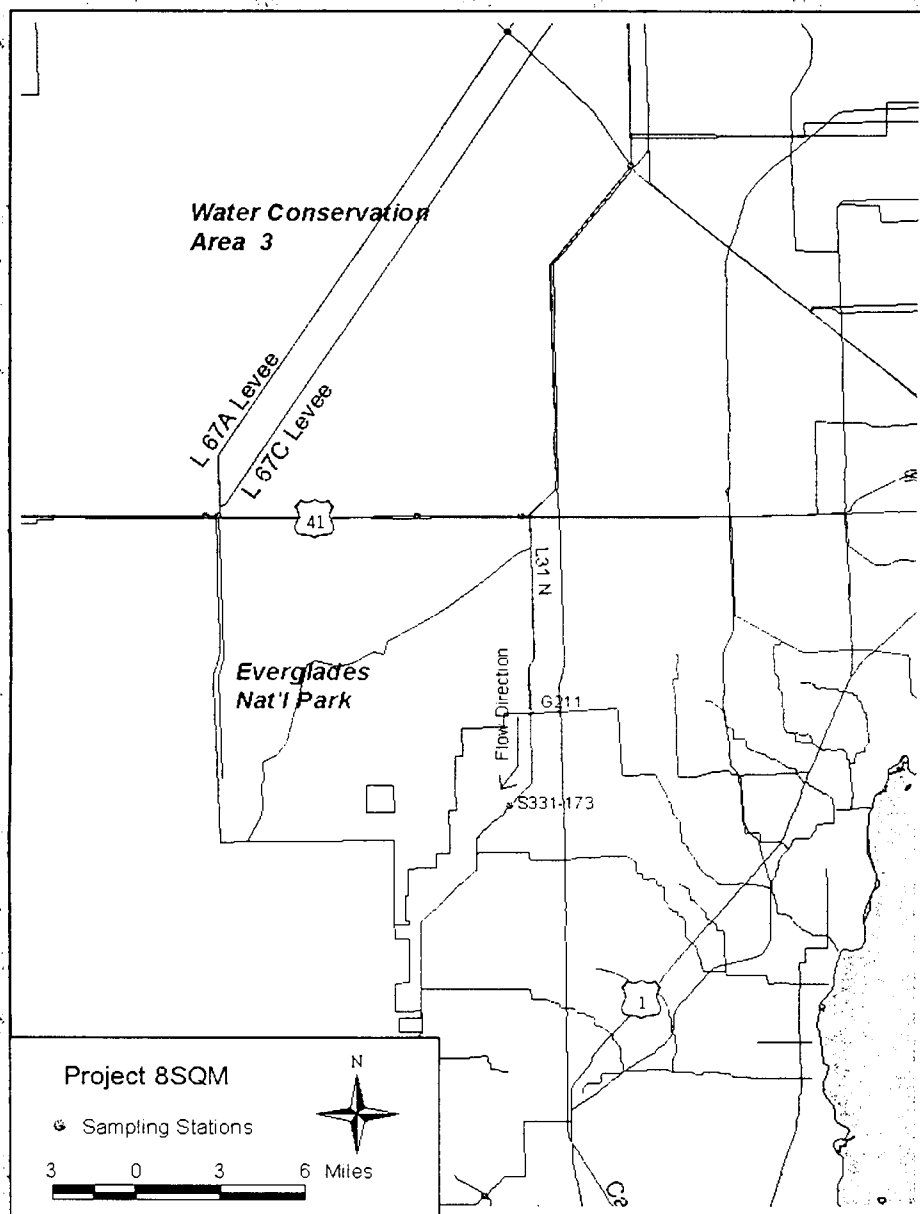


G-211 Sampling Change Request

A Request to the Everglades
Technical Oversight Committee

Bahram Charkhian

January 28, 2002



Objective of G-211 Structure

As part of the C-111 Interim Plan, G-211 was installed to increase ground water stage control in Northeast Shark River Slough immediately upstream of the structure, and reduce seepage to the L-31N canal.

DEP Operating Permit No.
131654749

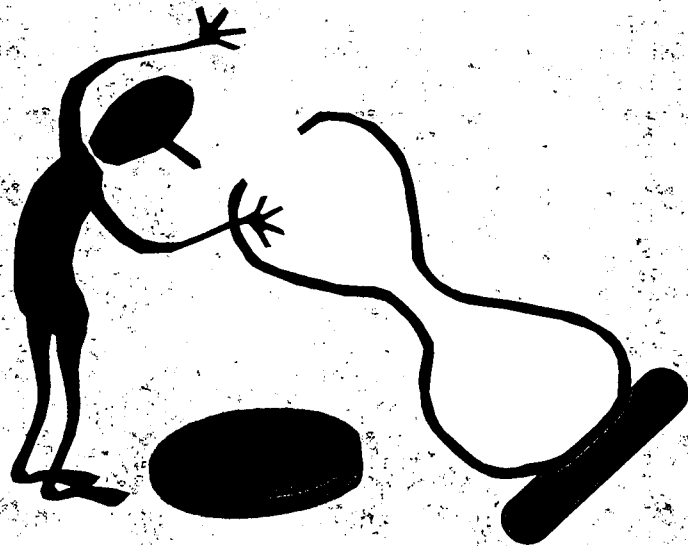
Mod. dated 7/8/91

Monitoring Criteria Statement

“Operating and monitoring criteria as specified in this plan will be followed for the first two years after completion of the S-197 and G-211 construction. At the conclusion of this initial two year period and following analysis of hydrology data, the Interagency Review Committee may evaluate and recommend alternative operating criteria that will enhance the environment without compromising flood control.”

DEP Operating Permit No.
131654749

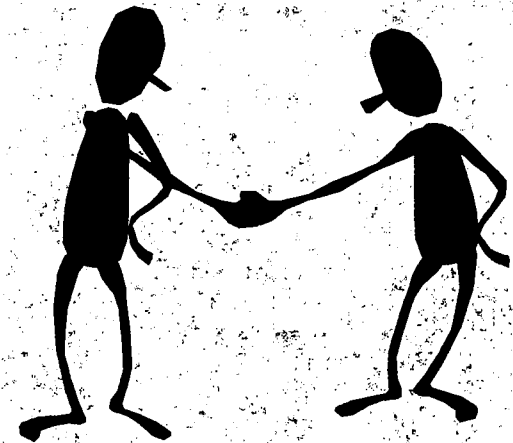
Mod. dated 7/8/91



Part 5.0 Monitoring Strategy

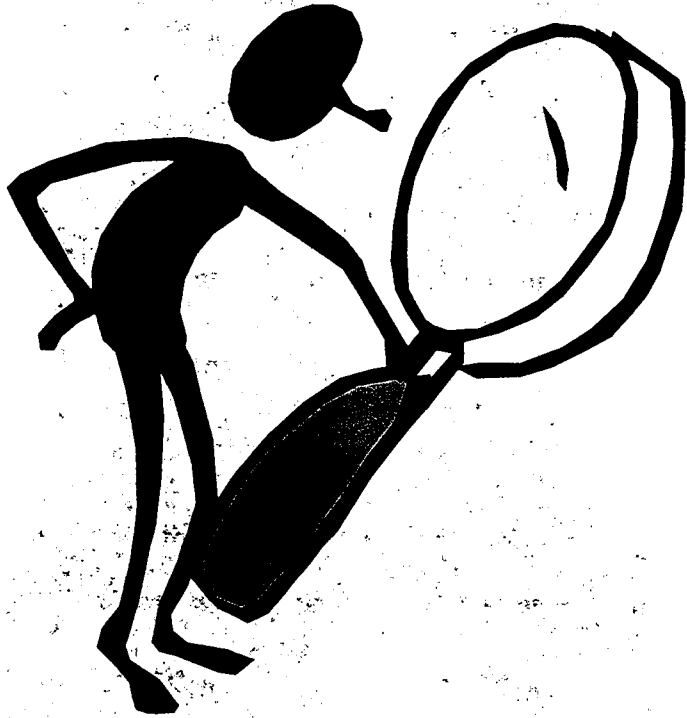
Six different areas of interest were to be monitored to evaluate changes in baseline hydrology.

1. Changes in Northeast Shark River Slough hydrology.
2. Changes to Bird Drive Basin.
3. C-1W Seepage discharges.
4. Changes in C-111 marsh hydrology
5. S-197 discharges
6. Flows to ENP Eastern Panhandle



Focused primarily on hydrology and flow.

Part 6.3 Water Quality Monitoring

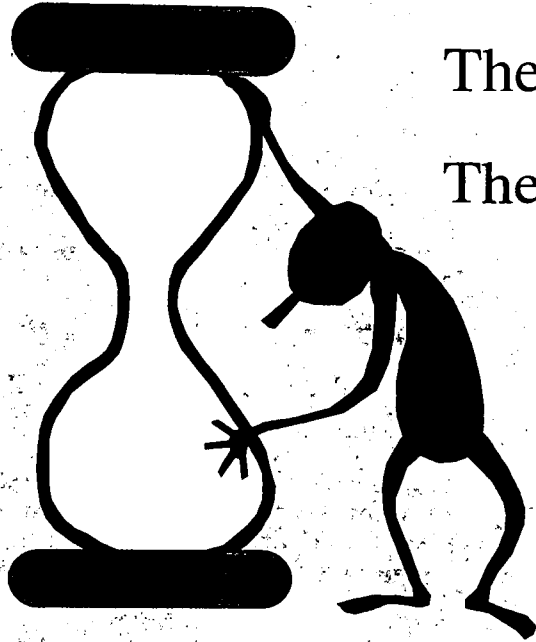


“The District currently maintains a water quality monitoring network in the lower C-11 basin. . . . Results of these analyses will be included in the reporting schedule for the monitoring plan. The District will expand existing cooperative agreements or conduct other specific monitoring for the ENP Eastern Panhandle and portions of Biscayne bay and Manatee Bay that may be affected by the interim plan.”

Is the Permit Still Relevant for G-211?

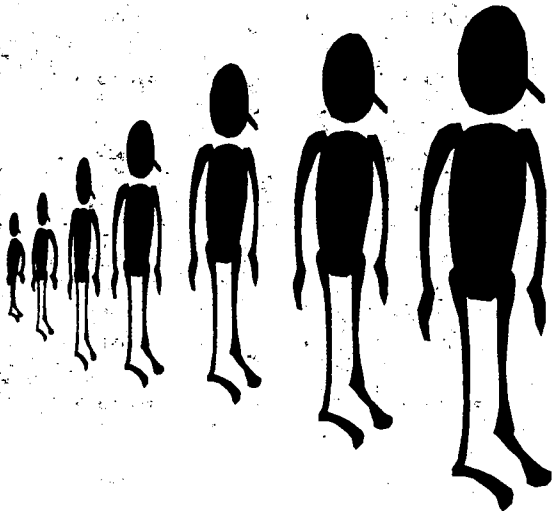
According to District Records, construction of G-211 was completed in May of 1991.

G-211 has operated under Iteration 7 of the Experimental Program of Water Deliveries to Everglades National Park since 11/1/95.



The two years after construction have passed.
The interim operating plan has been replaced.

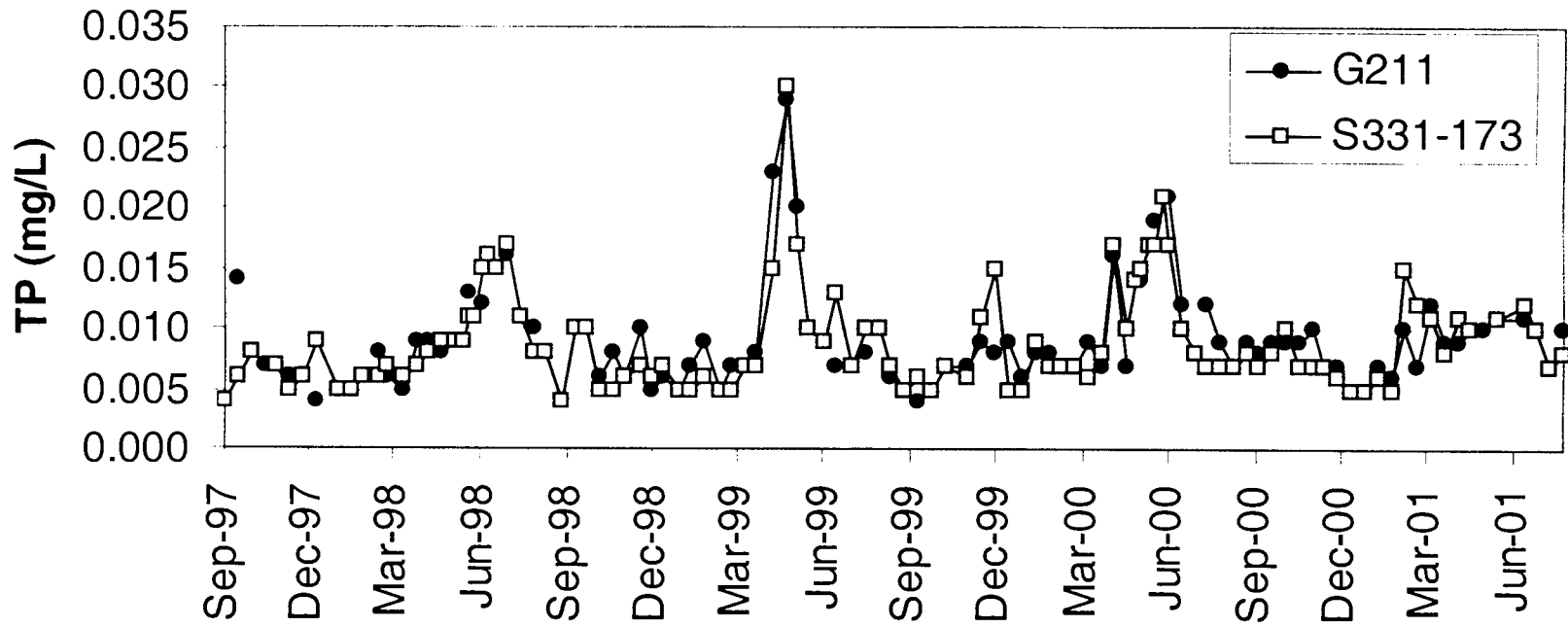
Is G-211 providing unique information?



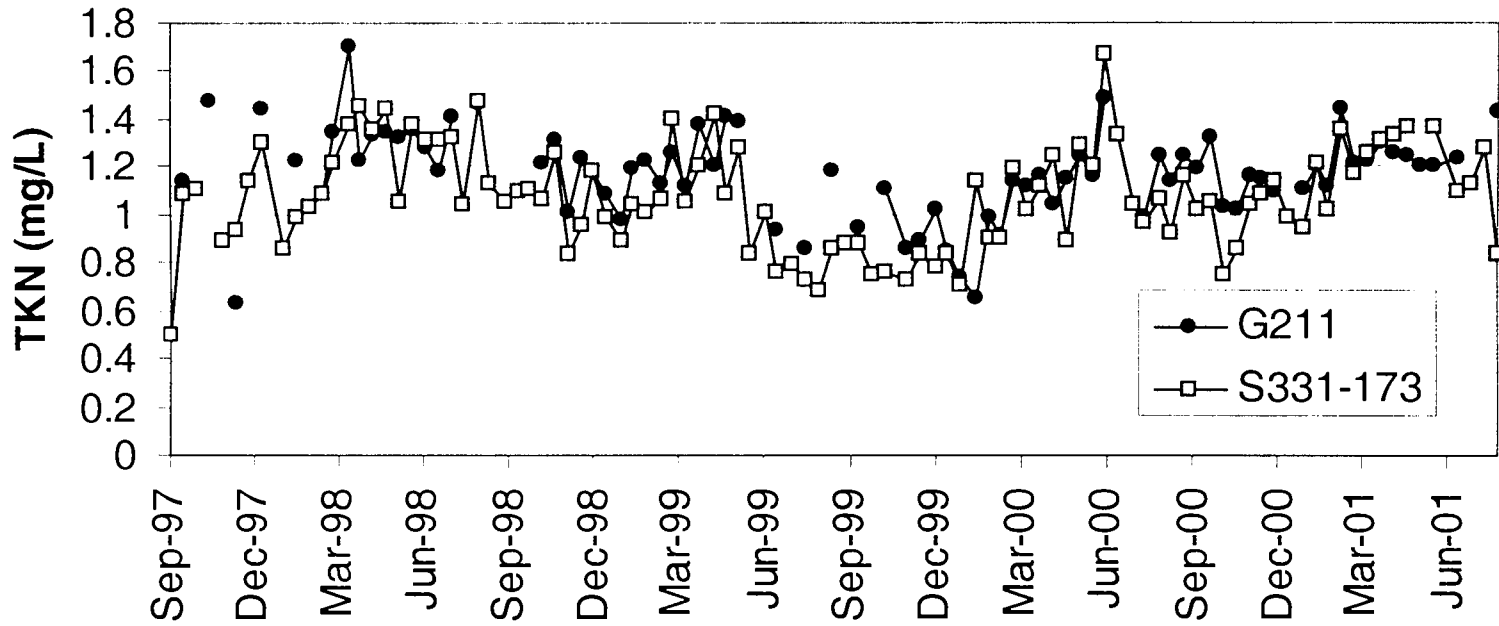
S331-173 is 4 miles downstream and is sampled by the same contractor (Dade County DERM), mean time difference between sites is 45 minutes. S331-173 is sampled under the NECP project.

Both sites sampled at the same frequency and criteria for virtually the same parameters.

Total Phosphorus



TKN



What about pesticides?

Sampling initiated in 8/97

15 surface water events

atrazine is most commonly detected

(50% of samples, max of 0.093 ug/L)

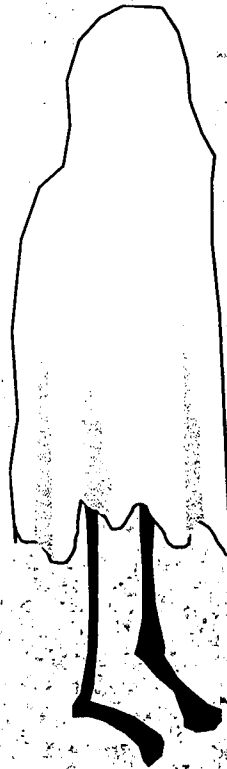
6 sediment events

Only DDE detected

(33% of samples)

What about the data users?

Inquiries have not identified any current users of this data.



Summary

There appears to be no hard mandate for monitoring G-211.

Time specific requirements have expired.

S331-173 appears to be a surrogate station for G-211.

There does not appear to be an active user of the data.



Staff of the SFWMD respectfully suggest that the goals and terms associated with monitoring G-211 have been met and that monitoring of this site, which is the sole component of the 8SQM Project, should cease.