

Modification of Rain/Precipitation Monitoring Program

A Request to the Everglades
Technical Oversight Committee

Larry Grosser

Water Quality Monitoring Division

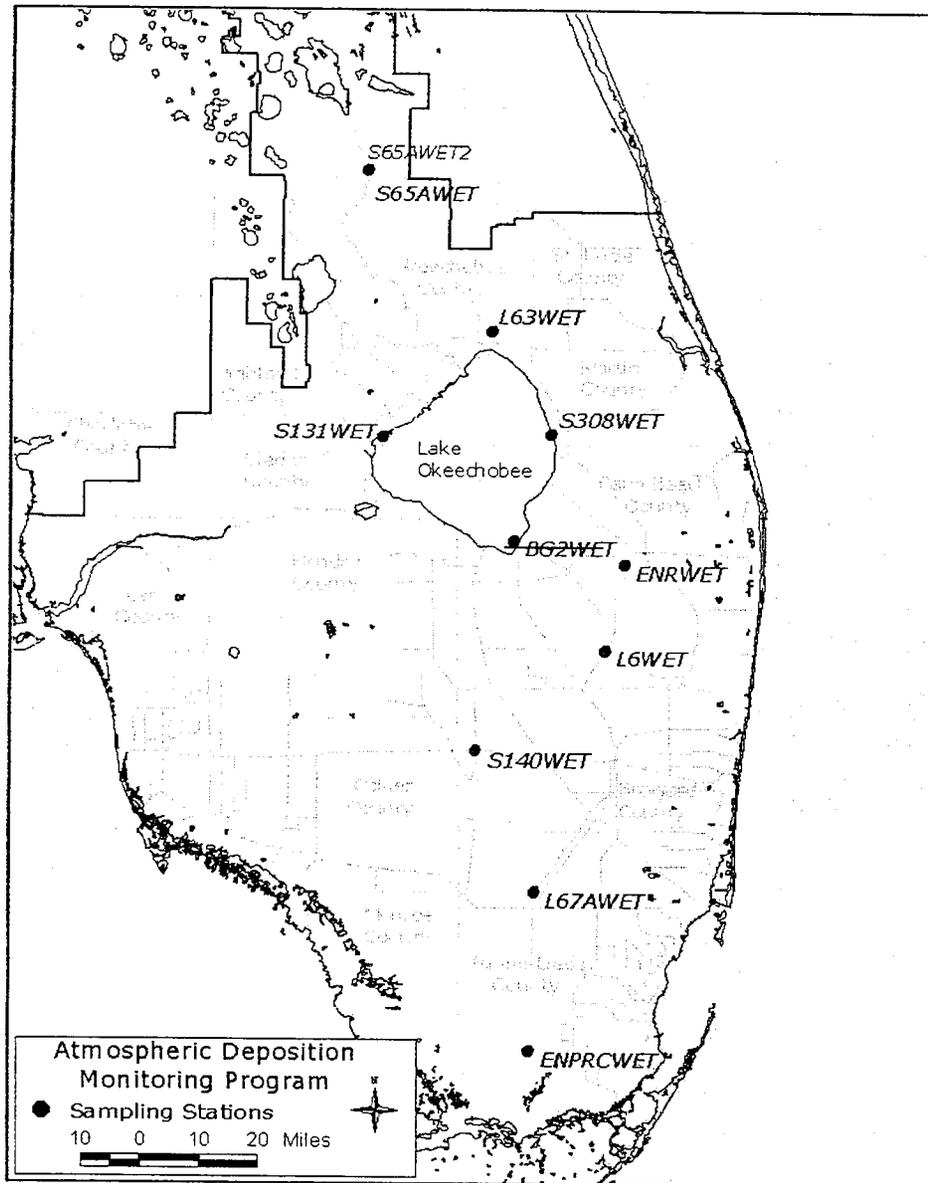
Thursday, August 1, 2002

Current Collection of Rain

- Previous rainfall monitoring, via alternate methods, began in 1974
- The current precipitation monitoring program was initiated 1993 based on a USGS recommendation
- Weekly sample collection by SFWMD and contractors

Current Rain Collection Locations

- 9 rain sites
- Okee/Kiss sites:
S65A, S131, S308, &
L63
- Everglades sites:
ENPRC, S140, ENR,
L67A, & L6,



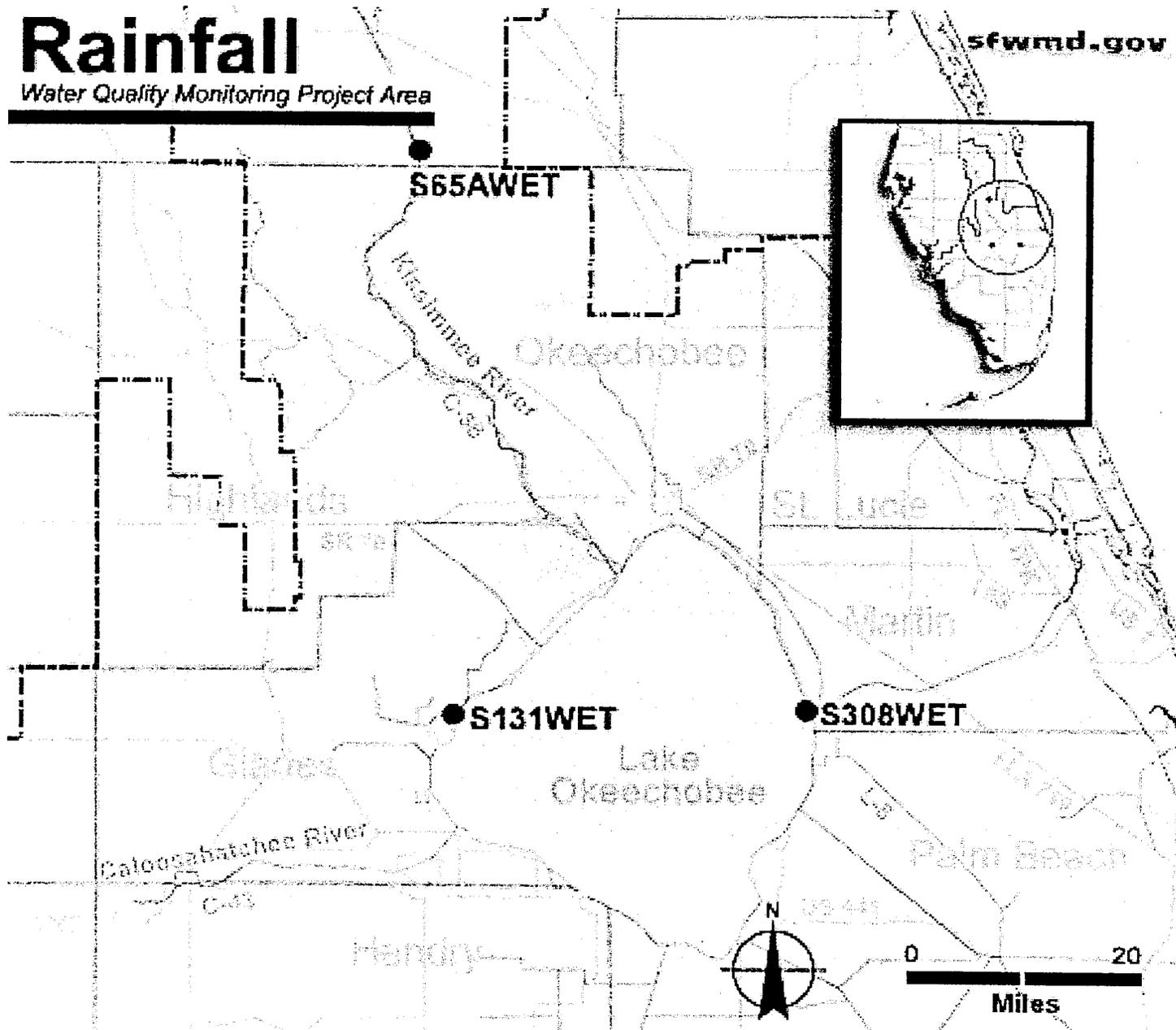
Interpreting Data from the Rain Program “Post Splashguard”

- 38% reduction in TPO4 at all 9 sites.
- “Clean” sites continue to show relatively low [TP].
- “Dirty” sites have shown marked decreases in [TP].
- The increases in contaminated samples, flagged data, and equipment malfunctions may be indicative of (1) changes in QA procedures; (2) aging equipment; (3) a combination of both.

Rainfall

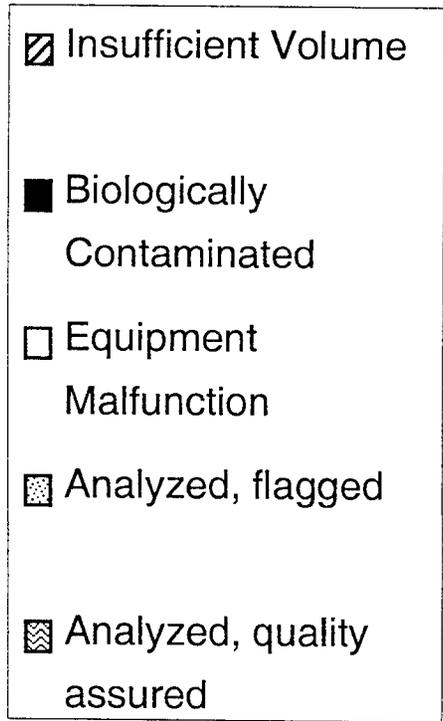
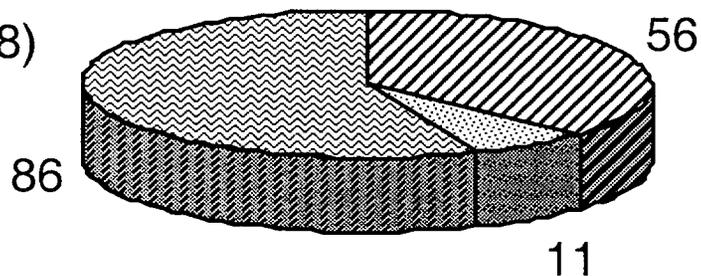
Water Quality Monitoring Project Area

sfwmd.gov

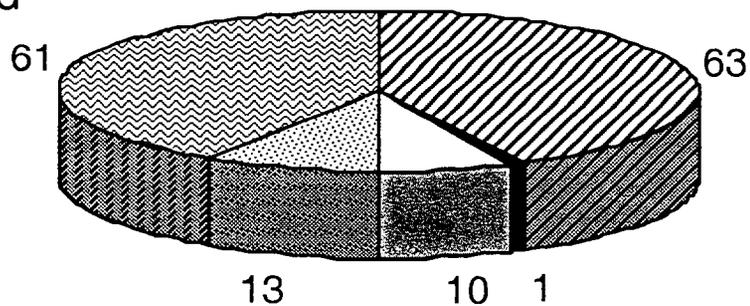


S131 "Clean Site"

No Splashguard
(1996,1997,1998)



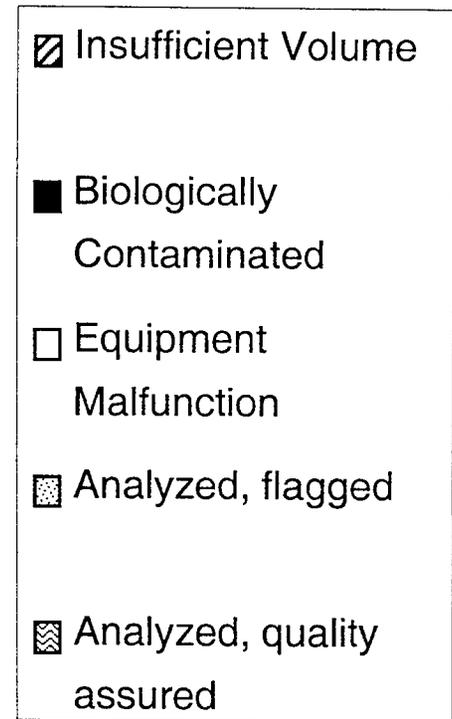
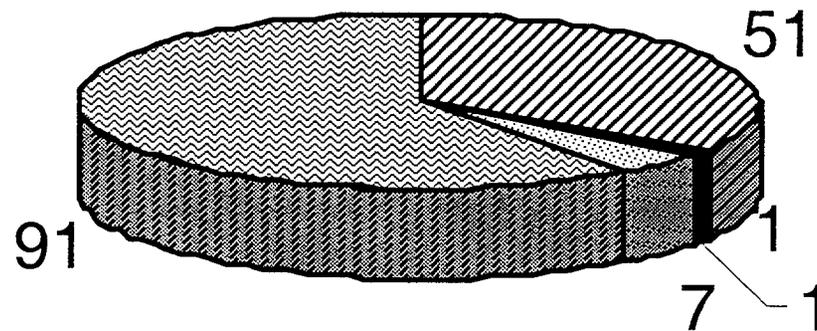
Splashguard installed
(1999,2000,2001)



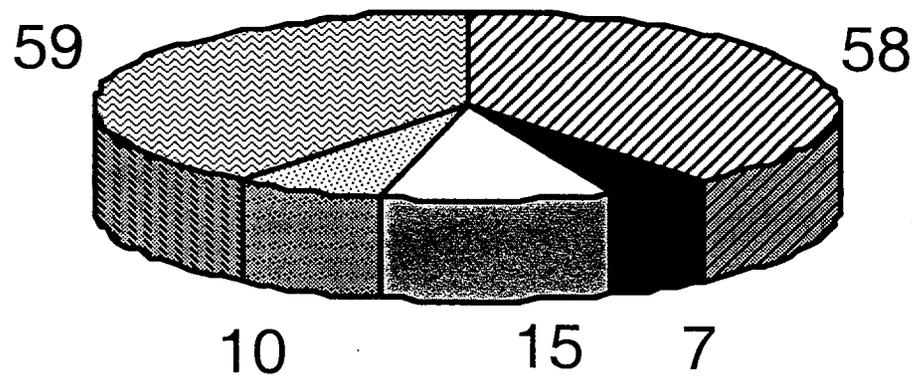
Sampling metadata at S131 before and after splashguard installation

S65A "Moderate Site"

No Splashguard
(1996,1997,1998)



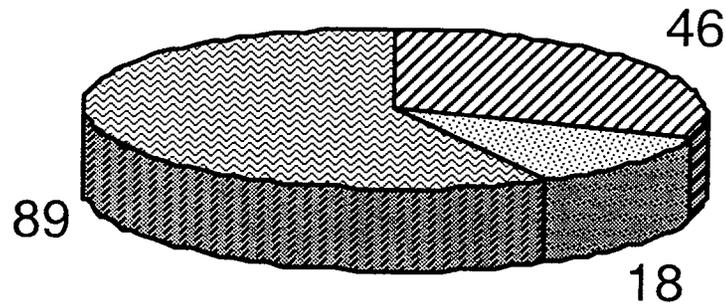
Splashguard installed
(1999,2000,2001)



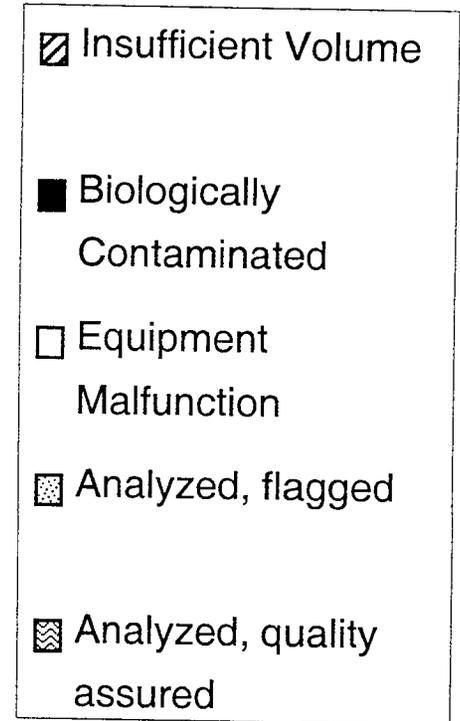
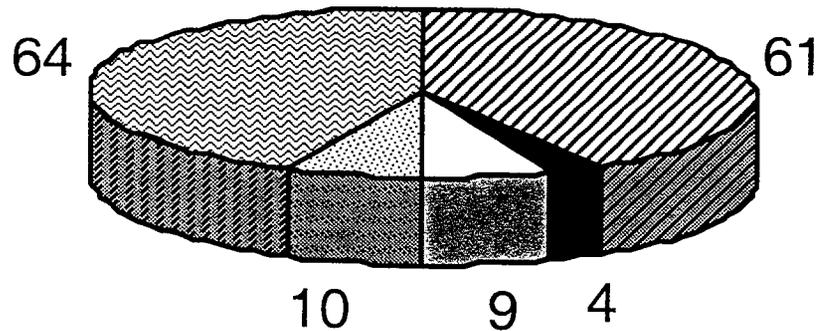
Sampling metadata at S65A before and after splashguard installation

S308 "Dirty Site"

No Splashguard
(1996,1997,1998)

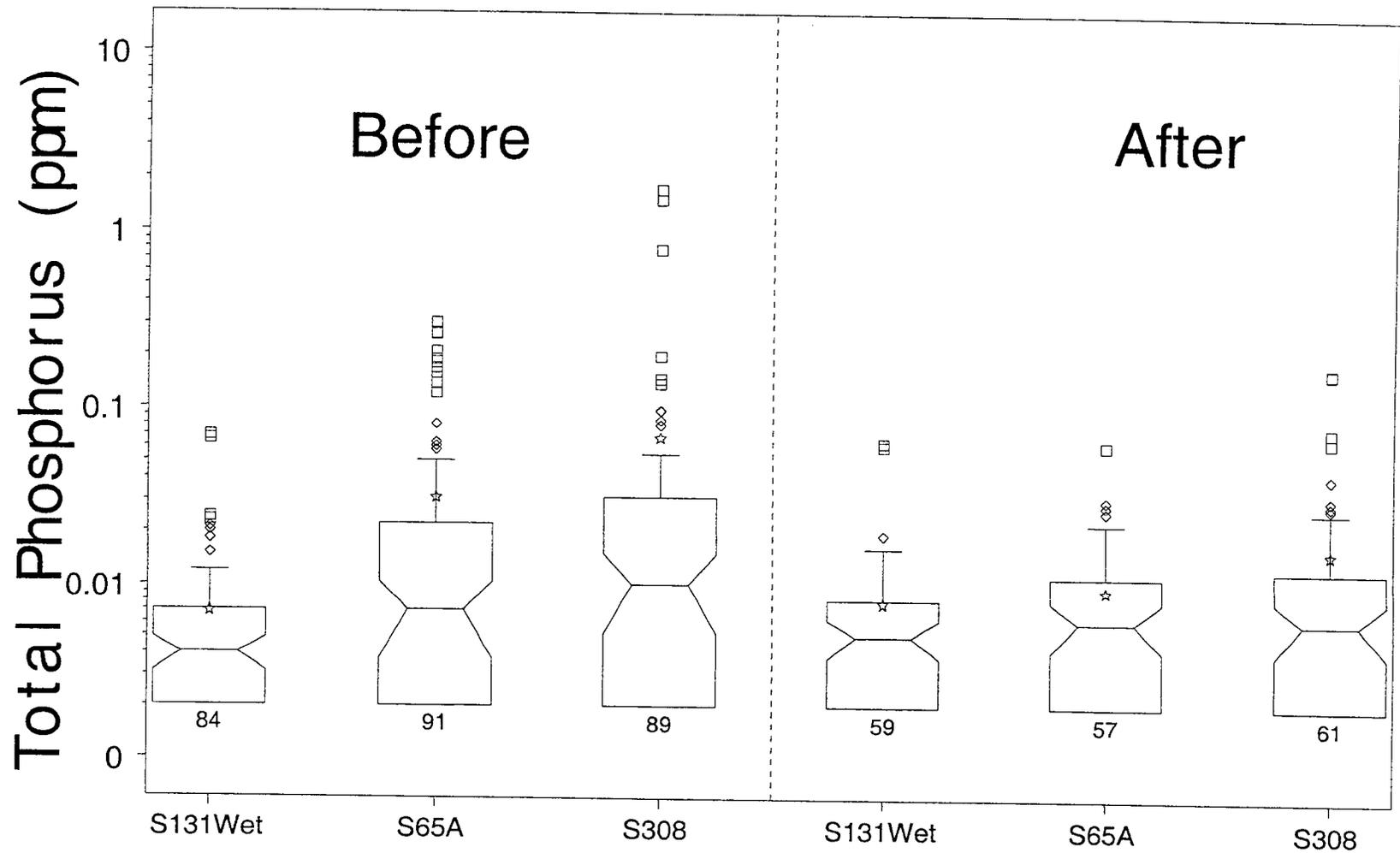


Splashguard installed
(1999,2000,2001)



Sampling metadata at S308 before and after splashguard installation

Rainfall TP



Before (01/02/96-12/29/98) and After (01/05/99-12/25/01)
Splashguard Installation on Precipitation Collectors

Options for the Future

- Continue with no modifications to network.
- Eliminate all precipitation monitoring.
- Modify network, concentrate on 3 locations.

Rainfall

Water Quality Monitoring Project Area

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