



# Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

May 18, 2010

MOCK • ROOS

MAY 21 2010

REC'D P.A. # \_\_\_\_\_

Alan Wertepny  
Mock Roos and Associates, Inc.  
5720 Corporate Way  
West Palm Beach, FL 33407

Subject: WBID 3226F boundary line and Nutrients (Historic Chlorophyll-a) impairment

Dear Mr. Wertepny:

We agree that WBIDs 3226F1 and 3226F2 should extend to the west boundary line of WBID 3226F, changing the northern boundary of 3226F to begin somewhere near the S-41 control structure. The data used to verify WBID 3226F as impaired for Nutrients (Historic Chlorophyll-a) is representative of stations located in the southern portion of WBID 3226F near the cities of Deerfield Beach and Boca Raton (Please See Attached Map). There is one station currently assigned to WBID 3226F in the northern portion of the WBID which needs to be reassigned to WBID 3245F due to the fact that it is located above control structure S-155 within WBID 3245F (C-51 East). We plan to revise the WBID lines and station assignments in the near future.

Furthermore, the East C-51 canal does not discharge to WBID 3226F, but actually discharges into the Lake Worth Lagoon which discharges into the Atlantic Ocean. Although there is a very small portion of WBID 3226F between WBIDs 3245F and 3226F1, the C-51 canal directs water through WBID 3226 and into WBID 3226F1. There does not appear to be any contribution of water from WBID 3245F into WBID 3226F.

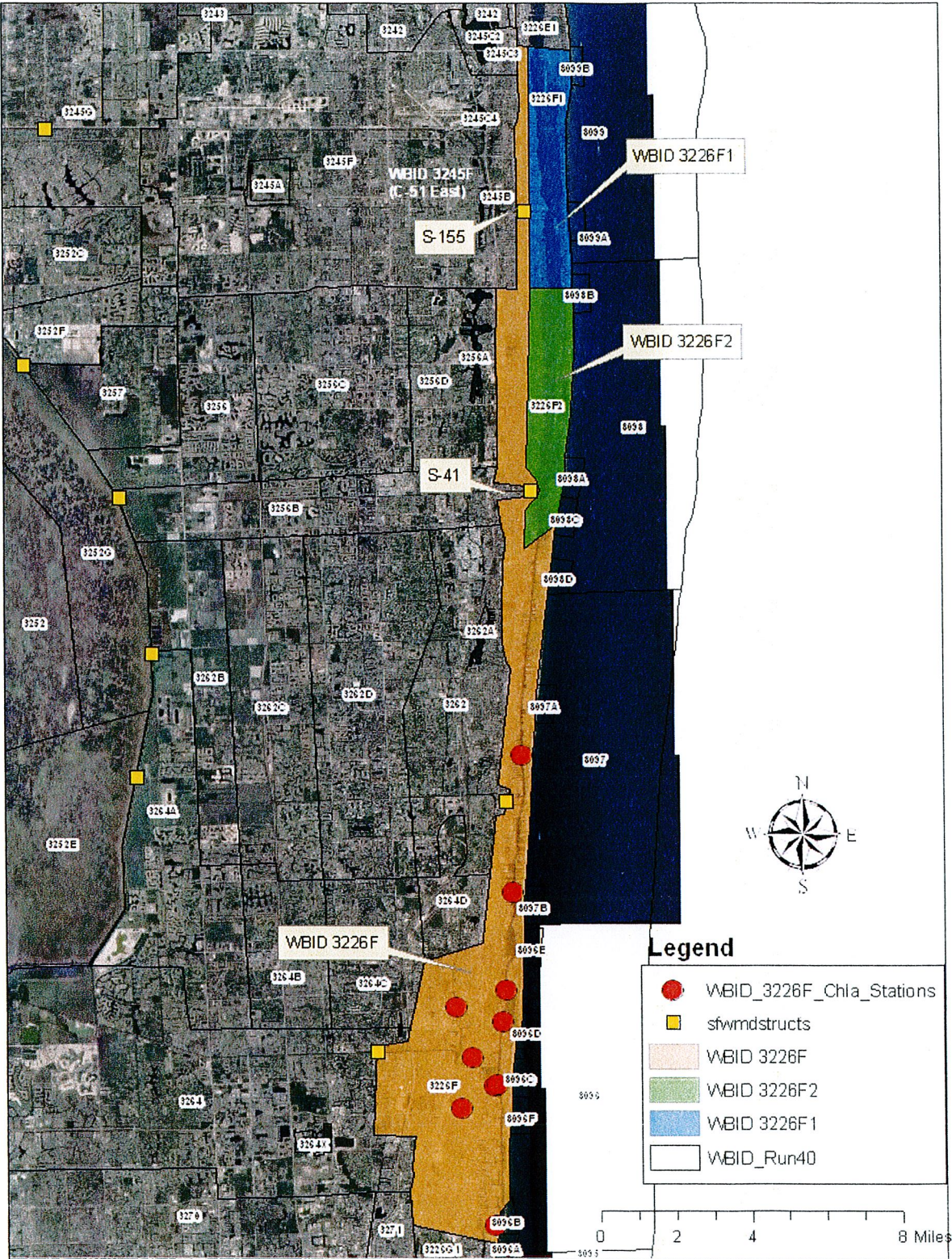
WBID 3226F is made up of a northern, inland portion and a southern, coastal portion. WBIDs 3226F1 and F2 make up the Lake Worth Lagoon Inner Channel. At the base of WBID 3226F2, the channel converges to a small canal instead of a wide lagoon. At this point, 3226F picks up its coastal, southern portion. While the three are connected, the water in 3226F is very different from that of the other two WBIDs. They are much larger waterbodies compared to the smaller waterway found in 3226F. Furthermore, WBIDs 3226F1 and F2 also have more direct access to the Atlantic with 2 outlets; one just north of the 3226F1 border and the other in the southern portion of 3226F2. This allows for better mixing and flushing. There is only one outlet to the Atlantic in 3226F and that is down in the southern portion near Boca Raton.

Please let us know if you have any questions or concerns!

Sincerely,

Julie Espy, Environmental Administrator  
Watershed Assessment Section





**Legend**

- WBID\_3226F\_Chla\_Stations
- sfwmdstructs
- WBID 3226F
- WBID 3226F2
- WBID 3226F1
- WBID\_Run40

0 2 4 8 Miles



