TMDL AUDIT Executive Summary

Audited Organization:
Southwest Florida Water Management District

DEP Auditors:
Environmental Assessment Section
2600 Blair Stone Road, MS 6511
Tallahassee, FL 32399-2400
(850) 245-8065

Audit Dates: 4/18/05 - 4/20/05

This audit was conducted to evaluate past data for TMDL listing purposes as specified in Chapter 62-303, F.A.C.

Data produced by the Southwest Florida Water Management District was retrieved from STORET for verification.

The audit was performed using criteria that were developed to meet specific data quality objectives for the TMDL program. Selected laboratory and field records were reviewed to determine if sufficient information was available to verify the quality of the data, with emphasis on calibration, quality control procedures and documentation. The purpose of the audit was to determine data usability and was not intended as a regulatory action against the audited party.

The Environmental Assessment Section determined that, based on the examination of records for the selected STORET data set, the Southwest Florida Water Management District did have adequate documentation to allow verification of the quality of the reported results.

Inspection of the laboratory's records revealed some procedural and documentation problems affecting specific analytical results for some of the audited sample data. The table below recommends that certain chlorophyll and orthophosphate results should be further evaluated prior to use for establishing the verified status of any water body listing.

The Southwest Florida Water Management District has initiated a plan of corrective action in response to the reported deficiencies.

Other supporting documentation is available upon request.

Recommendations for use of TMDL data submitted by SWFWMD

	Audited Date Range			
Analyte	***Start***	***End***	***Verified Use***	***Planning Use***
Ammonia	6-Nov-01	2-Jun-03	X	
Chlorophyll A	24-Mar-99	7-Jul-03		X
Dissolved Oxygen	1-Mar-99	7-Jul-03	X	
Nitrate/Nitrite	1-Mar-99	7-May-02	X	
Nitrite	24-Mar-99	7-Jul-03	X	
Orthophosphate	6-Nov-01	7-May-02		X
pH	1-Mar-99	7-Jul-03	X	
Specific Conductance	1-Mar-99	7-Jul-03	X	
Total Nitrogen*	1-Mar-99	7-May-03	X	
Total Phosphorus	6-Nov-01	3-Jun-02	X	
Turbidity	6-Nov-01	7-Jul-03	X	

*The total nitrogen data are not calculated from constituent analytical results, but are produced by direct analysis of the samples using a non-standard method.