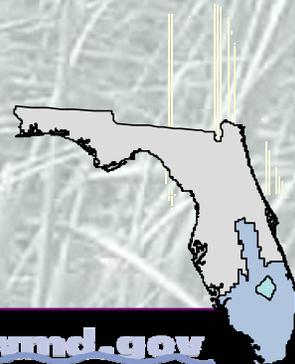


Quality Assessment Report for Water Quality Monitoring October-December 2003

Delia Ivanoff
Water Quality Analysis Division
Environmental Monitoring and Assessment Department



Comparison of Impact of Changes in MDL and Equipment Blank Criteria Criteria 1

- Old MDL and Blank Criteria (Used until 17-Sep-2002)
- MDL = 0.004 mg/L
- Criteria :> 2xMDL = >0.008 mg/L
- Minimum positive blank value required for data flagging = 0.009 mg/L
- Criteria for samples: <3 x positive blank value = Qualify sample data falling below this concentration (e.g., <3x 0.009 or <0.027 mg/L, minimum).



Criteria 2

- **New MDL and Old Blank Criteria (Implemented date 17-Sep-2002)**
- **MDL = 0.002 mg/L**
- **Criteria :> 2xMDL = >0.004 mg/L**
- **Minimum positive blank value require for data flagging = 0.005 mg/L**
- **Criteria for samples: <3 x positive blank value = Qualify sample data falling below this concentration (e.g., <3x 0.005 or <0.015 mg/L, minimum).**



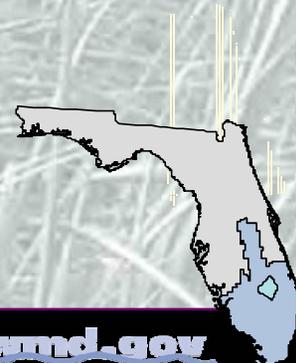
Criteria 3

- **New MDL and Blank Criteria (Implemented date 01-Oct-2003)**
- **MDL = 0.002 mg/L**
- **Criteria :> MDL = >0.002 mg/L**
- **Minimum positive blank value required for data flagging = 0.003 mg/L**
- **Criteria for samples: <5 x positive blank value = Qualify sample data falling below this concentration (e.g., <5x 0.003 or <0.015 mg/L, minimum).**



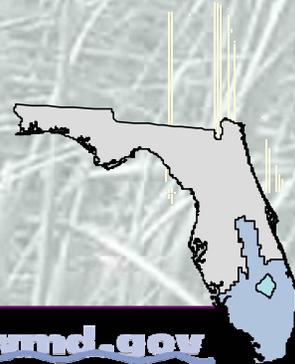
Data Comparison for all criteria and samples collected from January to December 2003

Project	Total Samples Collected	Affected Samples					
		Criteria 1		Criteria 2		Criteria 3	
	#	#	%	#	%	#	%
CAMB	1360	14	0.6	40	1.6	117	4.6
ENP	383	0	0	0	0	0	0
EVPA	582	0	0	5	0.2	7	0.3
NECP	197	0	0	2	0.1	2	0.1
Total	2522	14	0.6	47	1.9	126	5.0



Qualifiers Interpretation

Non conformances are documented by qualifying the data. Qualifiers are used to alert end users. The data can be used depending on project requirements.



S O U T H F L O R I D A W A T E R M A N A G E M E N T D I S T R I C T

Project	Date Collected	Station	Type	Flag Code	Comments
CAMB	8-Oct-2003	S6	FCEB	V	FCEB>MDL
CAMB	13-Oct-2003	S34	FCEB	V	FCEB>MDL
CAMB	27-Oct-2003	S145	SAMP	V	Sample associated with positive FCEB
CAMB	27-Oct-2003	S38	SAMP	V	Sample associated with positive FCEB
CAMB	27-Oct-2003	S38B	SAMP	V	Sample associated with positive FCEB
CAMB	27-Oct-2003	S34	FCEB	V	FCEB>MDL
CAMB	28-Oct-2003	G123	FCEB	V	FCEB>MDL
CAMB	12-Nov-2003	G123	FCEB	V	FCEB>MDL
CAMB	12-Nov-2003	S6	SAMP	J5	Not Flow Proportional
CAMB	24-Nov-2003	S151	SAMP	V	Sample associated with positive FCEB
CAMB	24-Nov-2003	S151	FCEB	V	FCEB>MDL
CAMB	16-Dec-2003	S140	SAMP	V	Sample associated with positive FCEB
CAMB	16-Dec-2003	S140	SAMP	V	Sample associated with positive FCEB
CAMB	16-Dec-2003	G123	SAMP	V	Sample associated with positive FCEB
CAMB	16-Dec-2003	G123	SAMP	V	Sample associated with positive FCEB
CAMB	16-Dec-2003	S140	FCEB	V	FCEB>MDL
CAMB	17-Dec-2003	S6	SAMP	J5	Not Flow Proportional

