

# Water Column (Discrete) Indicator Quantile Report

## SEACAR Analysis

Last compiled on 24 October, 2023

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# Overview

## Purpose

The purpose of the indicator quantiles is to flag records that are “unusual” relative to all of the data in the DDI for a given indicator in order to facilitate QA/QC. They are not used to filter any of the data for SEACAR analyses, and the presence of a LowerQuantile or UpperQuantile flag on a DDI record alone does not necessarily indicate there is any issue with the record (neither does the absence of a LowerQuantile or UpperQuantile flag necessarily mean that a data record is correct).

## Relevant file locations

Current values can be found in the “LowQuantile” and “HighQuantile” columns of the “Ref\_Parameters” worksheet.

The R script described below and the output file can be found in the *FloridaSEACAR IndicatorQuantiles* repository on GitHub:

- <https://github.com/FloridaSEACAR/IndicatorQuantiles>

## Process steps

### **IQ\_Report\_Render.R & IQ\_Report.Rmd**

1. The *IQ\_Report\_Render.R* script lists all files in a given directory and filters it to a list of DDI exports to evaluate considering a list of parameters to skip (user-defined).
2. User sets the desired upper and lower quantile thresholds, as well as a number of standard deviations away from the mean to use for the calculations.
3. User sets the string value(s) in the DDI exports that should be considered as NA values.
4. The remainder of the script loops through the file list, returning the values listed below and binding them together by row into a single Excel spreadsheet that is saved to the User’s working directory.
5. For each habitat included in the User’s working directory a PDF report will be created in the “output” folder using *IQ\_Report.Rmd*, which provides an overview of questionable / flagged values.
6. In addition to the PDF reports, each habitat will provide a .txt data output file in the “output/data” folder containing questionable values.

## Summary

The following quantile thresholds are used for flagging “questionable” values:

- Lower quantile: **0.001**
- Upper quantile: **0.999**

Potential Included Parameters:

- Ammonia- Un-ionized (NH<sub>3</sub>)
- Chlorophyll a corrected for pheophytin
- Chlorophyll a uncorrected for pheophytin
- Colored dissolved organic matter, CDOM
- Light Extinction Coefficient
- NH<sub>4</sub> Filtered
- Nitrate (N)
- Nitrite (N)
- Nitrogen, organic
- NO<sub>2</sub>+3 Filtered
- PO<sub>4</sub> Filtered
- Total Kjeldahl Nitrogen TKN
- Total Nitrogen
- Total Phosphorus
- Total Suspended Solids, TSS
- Turbidity

The data files used for the analysis:

- Combined\_WQ\_WC\_NUT\_Ammonia\_Un-ionized\_NH3-2023-Oct-11.txt
- Combined\_WQ\_WC\_NUT\_Chlorophyll\_a\_corrected\_for\_pheophytin-2023-Oct-11.txt
- Combined\_WQ\_WC\_NUT\_Chlorophyll\_a\_uncorrected\_for\_pheophytin-2023-Oct-11.txt
- Combined\_WQ\_WC\_NUT\_Colored\_dissolved\_organic\_matter\_CDOM-2023-Oct-11.txt
- Combined\_WQ\_WC\_NUT\_Light\_Extinction\_Coefficient-2023-Oct-11.txt
- Combined\_WQ\_WC\_NUT\_NH4\_Filtered-2023-Oct-11.txt
- Combined\_WQ\_WC\_NUT\_Nitrate\_N-2023-Oct-11.txt
- Combined\_WQ\_WC\_NUT\_Nitrite\_N-2023-Oct-11.txt
- Combined\_WQ\_WC\_NUT\_Nitrogen\_organic-2023-Oct-11.txt
- Combined\_WQ\_WC\_NUT\_NO2\_3\_Filtered-2023-Oct-11.txt
- Combined\_WQ\_WC\_NUT\_PO4\_Filtered-2023-Oct-11.txt
- Combined\_WQ\_WC\_NUT\_Total\_Kjeldahl\_Nitrogen\_TKN-2023-Oct-11.txt
- Combined\_WQ\_WC\_NUT\_Total\_Nitrogen-2023-Oct-11.txt
- Combined\_WQ\_WC\_NUT\_Total\_Phosphorus-2023-Oct-11.txt
- Combined\_WQ\_WC\_NUT\_Total\_Suspended\_Solids\_TSS-2023-Oct-11.txt
- Combined\_WQ\_WC\_NUT\_Turbidity-2023-Oct-11.txt

Table 1: Indicator Quantile Overview

parameter	sub_param	q_low	q_high	mean	n_tot	n_q_low	n_q_high	%_flagged
Ammonia- Un-ionized (NH3)		0.00	0.48	0.03	523	1	1	
Chlorophyll a corrected for pheophytin		0.08	120.06	6.72	53833	54	54	
Chlorophyll a uncorrected for pheophytin		0.01	100.00	21.44	58089	56	54	
Colored dissolved organic matter, CDOM		1.00	714.83	26.34	20518	12	21	
Light Extinction Coefficient		0.00	7.94	0.56	15545	16	16	
NH4 Filtered		0.00	5.82	0.10	116615	117	117	
NO2+3 Filtered		0.00	3.30	0.06	128933	0	129	
Nitrate (N)		0.00	0.82	0.02	17050	2	18	
Nitrite (N)		0.00	0.08	0.00	23549	2	24	
Nitrogen (All)	All	0.00	4.25	0.50	123570	123	124	
Nitrogen (No calc)	No calc	0.00	2.67	0.34	78029	123	124	
Nitrogen, organic		0.03	2.70	0.57	7121	6	7	
PO4 Filtered		0.00	0.78	0.04	55371	39	56	
Total Kjeldahl Nitrogen TKN		0.00	5.40	5.87	88006	67	89	
Total Phosphorus		0.00	0.75	0.19	127494	98	127	
Total Suspended Solids, TSS		0.12	186.00	14.67	67333	41	67	
Turbidity		0.02	128.00	5.14	284511	235	284	

*q\_low*: Value corresponding to the qval\_low quantile for the parameter in the DDI export.

*q\_high*: Value corresponding to the qval\_high quantile for the parameter in the DDI export.

*mean*: Mean value for the parameter in the DDI export.

*n\_tot*: Total number of records in the DDI export for the parameter.

*n\_q\_low*: Number of records in the DDI export that are below q\_low for the parameter.

*n\_q\_high*: Number of records in the DDI export that are above q\_high for the parameter.

*%\_flagged*: Proportion of total records in the DDI export for the parameter which have been flagged as above q\_high, or below q\_low.

## Low Quantile

### Ammonia- Un-ionized (NH3)

Table 2: Flagged Values - Low Indicator Quantile: **0.00304**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
324496	5028	MP3C	2020-06-11	0

#### Programs containing flagged data:

5028 - Charlotte Harbor Aquatic Preserves Monthly Water Quality Program

## Chlorophyll a corrected for pheophytin

Table 3: Flagged Values - Low Indicator Quantile: **0.08416**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4450519	4054	gtmpenut	2003-01-22 07:55:00	0.01
4411327	4054	gtmpenut	2003-03-22 20:27:00	0.01
4410991	4054	gtmpenut	2003-03-22 22:57:00	0.01
4427567	4054	gtmpenut	2004-09-13 08:05:00	0.01
4411227	4054	gtmpenut	2004-09-15 07:00:00	0.01
4432055	4054	gtmpenut	2005-04-05 14:00:00	0.01
4420361	4054	gtmpenut	2005-04-05 16:30:00	0.01
4411567	4054	gtmpenut	2005-04-06 00:00:00	0.01
4411062	4054	gtmpenut	2005-04-06 02:30:00	0.01
4409339	4054	gtmpenut	2005-07-06 09:45:00	0.01
4440279	4054	gtmpenut	2005-07-06 19:45:00	0.01
4413881	4054	gtmpenut	2005-07-07 00:45:00	0.01
4433106	4054	gtmpenut	2006-02-14 16:40:00	0.01
4426721	4054	gtmpenut	2006-02-14 19:10:00	0.01
4421315	4054	gtmpenut	2006-02-14 21:40:00	0.01
4415647	4054	gtmpenut	2006-02-15 02:40:00	0.01
4316632	5002	STORET_21FLSUW_SRE010C1	1995-11-16 00:00:00	0.01
4316633	5002	STORET_21FLSUW_SRE010C1	1996-01-10 00:00:00	0.01
4316634	5002	STORET_21FLSUW_SRE010C1	1996-02-07 00:00:00	0.01
4316635	5002	STORET_21FLSUW_SRE010C1	1996-04-03 00:00:00	0.01
4316636	5002	STORET_21FLSUW_SRE010C1	1996-05-16 00:00:00	0.01
4046345	5002	STORET_21FLSUW_SRE010C1	1996-06-13 00:00:00	0.01
4316638	5002	STORET_21FLSUW_SRE010C1	1996-09-19 00:00:00	0.01
4316651	5002	STORET_21FLSUW_SRE020C1	1995-11-16 00:00:00	0.01
4316654	5002	STORET_21FLSUW_SRE020C1	1996-05-16 00:00:00	0.01
4316656	5002	STORET_21FLSUW_SRE020C1	1996-09-19 00:00:00	0.01
4046381	5002	STORET_21FLSUW_SRE020C1	1996-12-04 00:00:00	0.01
4316668	5002	STORET_21FLSUW_SRE030C1	1995-11-16 00:00:00	0.01
4316669	5002	STORET_21FLSUW_SRE030C1	1996-05-16 00:00:00	0.01
4316670	5002	STORET_21FLSUW_SRE030C1	1996-09-19 00:00:00	0.01
4316671	5002	STORET_21FLSUW_SRE030C1	1996-10-11 00:00:00	0.01
4316677	5002	STORET_21FLSUW_SRE040C1	1995-11-16 00:00:00	0.01
4316678	5002	STORET_21FLSUW_SRE040C1	1996-04-03 00:00:00	0.01
4316679	5002	STORET_21FLSUW_SRE040C1	1996-05-16 00:00:00	0.01
4316743	5002	STORET_21FLSUW_SRE050C1	1995-11-16 00:00:00	0.01
4316744	5002	STORET_21FLSUW_SRE050C1	1996-05-16 00:00:00	0.01
4046918	5002	STORET_21FLSUW_SRE050C1	1996-06-13 00:00:00	0.01
4316746	5002	STORET_21FLSUW_SRE050C1	1996-09-19 00:00:00	0.01
4316747	5002	STORET_21FLSUW_SRE050C1	1996-10-11 00:00:00	0.01
4047056	5002	STORET_21FLSUW_SRE050C1	1996-12-04 00:00:00	0.01
4316756	5002	STORET_21FLSUW_SRE060C1	1995-11-16 00:00:00	0.01
4047086	5002	STORET_21FLSUW_SRE060C1	1996-04-03 00:00:00	0.01
4316759	5002	STORET_21FLSUW_SRE060C1	1996-05-16 00:00:00	0.01
4316762	5002	STORET_21FLSUW_SRE060C1	1996-09-19 00:00:00	0.01
4316763	5002	STORET_21FLSUW_SRE060C1	1996-10-11 00:00:00	0.01
4047088	5002	STORET_21FLSUW_SRE060C1	1996-11-06 00:00:00	0.01
4047089	5002	STORET_21FLSUW_SRE060C1	1996-12-04 00:00:00	0.01
4316774	5002	STORET_21FLSUW_SRE070C1	1995-11-16 00:00:00	0.01

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4316775	5002	STORET_21FLSUW_SRE070C1	1996-05-16 00:00:00	0.01
4047167	5002	STORET_21FLSUW_SRE070C1	1996-06-13 00:00:00	0.01
4316779	5002	STORET_21FLSUW_SRE080C1	1995-11-16 00:00:00	0.01
4316780	5002	STORET_21FLSUW_SRE080C1	1996-05-16 00:00:00	0.01
4316781	5002	STORET_21FLSUW_SRE080C1	1996-09-19 00:00:00	0.01
5518821	5033	WIN_21FLCRCP_BAK033	2021-05-12 11:30:00	0.08

**Programs containing flagged data:**

*4054* - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program

*5002* - Florida STORET / WIN

*5033* - Southeast Florida Water Quality Assessment Survey



## Chlorophyll a uncorrected for pheophytin

Table 4: Flagged Values - Low Indicator Quantile: **0.01**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1807107	297	213	2003-08-07	0.00
1804764	297	214	1999-06-10	0.01
1807975	297	214	2005-05-11	0.01
1808467	297	216	2006-04-27	0.01
1808468	297	218	2006-04-26	0.01
1805760	297	220	2001-01-26	0.00
1807399	297	223	2004-02-12	0.01
1807976	297	223	2005-05-12	0.00
1808542	297	223	2006-09-14	0.01
1807532	297	224	2004-06-10	0.01
1806989	297	225	2003-05-05	0.00
1808935	297	229	2007-06-07	0.00
1808543	297	231	2006-09-14	0.00
1807868	297	232	2005-02-16	0.01
1808357	297	233	2006-03-22	0.00
1805632	297	234	2000-11-15	0.01
1808242	297	234	2005-10-12	0.00
1807872	297	236	2005-02-17	0.00
1806997	297	237	2003-05-21	0.01
1808361	297	237	2006-03-22	0.01
1808474	297	238	2006-04-21	0.00
1806023	297	241	2001-08-09	0.00
1805907	297	243	2001-06-21	0.00
1806024	297	245	2001-08-10	0.01
1805910	297	246	2001-06-22	0.01
1808959	297	254	2007-06-12	0.01
1808133	297	258	2005-08-03	0.01
1808961	297	258	2007-06-12	0.00
1807765	297	261	2004-10-26	0.00
1807439	297	263	2004-04-01	0.00
1807157	297	264	2003-08-11	0.01
1808139	297	266	2005-08-02	0.01
1807554	297	269	2004-05-27	0.00
1808503	297	280	2006-05-04	0.00
1807911	297	285	2005-01-27	0.01
1808287	297	285	2005-12-08	0.00
1808031	297	287	2005-05-04	0.01
1807916	297	292	2005-01-27	0.00
1807791	297	293	2004-10-28	0.01
1807917	297	293	2005-01-27	0.01
1808588	297	293	2006-09-28	0.01
1805826	297	300	2001-02-08	0.01
1808301	297	300	2005-12-08	0.00
1808414	297	304	2006-01-24	0.01
1805708	297	311	2000-12-01	0.01
1805837	297	311	2001-02-09	0.00
1805972	297	311	2001-07-02	0.01
1806932	297	311	2003-02-13	0.01

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1808606	297	312	2006-07-12	0.00
1808309	297	313	2005-11-29	0.00
1805990	297	334	2001-05-23	0.01
1804871	297	336	1999-05-03	0.00
1808209	297	339	2005-07-19	0.01
1807093	297	343	2003-04-16	0.01
1804878	297	347	1999-05-02	0.00
1807101	297	401	2003-05-21	0.00

**Programs containing flagged data:**

*297* - Florida Keys National Marine Sanctuary Water Quality Monitoring Project

## Colored dissolved organic matter, CDOM

Table 5: Flagged Values - Low Indicator Quantile: 1

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2032421	3	12048A	2010-07-07 00:00:00	0.54
2032423	3	12433A	2010-07-07 00:00:00	0.68
2032422	3	12618A	2010-07-07 00:00:00	0.35
2032417	3	12827A	2010-07-07 00:00:00	0.57
2032478	3	6366A	2010-07-08 00:00:00	0.27
2032419	3	9472A	2010-07-07 00:00:00	0.32
2032420	3	9539A	2010-07-07 00:00:00	0.63
2032418	3	9656A	2010-07-07 00:00:00	0.20
2032424	3	9740A	2010-07-07 00:00:00	0.24
5618585	5002	WIN_21FLMCGL_WS P	2021-09-17 09:00:00	0.00
5518995	5002	WIN_21FLMCGL_WS P	2021-09-22 09:00:00	0.00
5505580	5008	WIN_21FLUFSW_HER-WEE-7	2022-03-04 13:53:00	0.09

### Programs containing flagged data:

3 - Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Ship-board Surveys

5002 - Florida STORET / WIN

5008 - Project COAST (Coastal Assessment Team) - Springs Coast Ecosystem Region

## Light Extinction Coefficient

Table 6: Flagged Values - Low Indicator Quantile: **0.001**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1906080	297	212	2002-10-22	0
1908755	297	218	2009-04-22	0
1908894	297	223	2009-07-13	0
1908672	297	252	2009-02-12	0
1906392	297	263	2003-10-01	0
1907474	297	272	2006-05-04	0
1907713	297	279	2006-12-14	0
1913700	297	280	2017-12-12	0
1911393	297	295	2012-02-08	0
1907740	297	307	2006-11-02	0
1907609	297	310	2006-07-12	0
1907610	297	312	2006-07-12	0
1912802	297	318	2015-09-13	0
1907622	297	326	2006-07-19	0
1912500	297	328	2014-11-17	0
1907780	297	403	2006-12-14	0

### Programs containing flagged data:

297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project

## NH4 Filtered

Table 7: Flagged Values - Low Indicator Quantile: **0.00019**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1778036	297	212	2018-02-07	0
1764495	297	212	2019-02-05	0
1778800	297	215	2020-03-11	0
1764649	297	216	2020-01-16	0
1778920	297	216	2020-09-19	0
1777748	297	217	2017-05-02	0
1778042	297	218	2018-02-07	0
1761999	297	219	2009-10-01	0
1764728	297	219	2020-07-07	0
1777751	297	220	2017-05-02	0
1764606	297	220	2019-08-16	0
1778637	297	223	2019-08-16	0
1764607	297	223	2019-08-16	0
1764828	297	223	2020-11-14	0
1764774	297	227	2020-09-11	0
1778855	297	228	2020-07-07	0
1764733	297	228	2020-07-07	0
1777758	297	229	2017-05-04	0
1768494	297	231	1999-08-27	0
1778641	297	231	2019-09-25	0
1777761	297	232	2017-05-04	0
1778857	297	232	2020-06-15	0
1759356	297	234	2001-08-09	0
1769617	297	237	2001-08-09	0
1764697	297	237	2020-03-30	0
1759598	297	239	2002-05-03	0
1760241	297	239	2004-06-03	0
1774765	297	239	2010-07-13	0
1778645	297	239	2019-09-25	0
1764612	297	239	2019-09-25	0
1778810	297	241	2020-03-30	0
1778939	297	241	2020-10-28	0
1764698	297	242	2020-03-30	0
1778477	297	243	2019-02-15	0
1764567	297	243	2019-05-22	0
1778563	297	246	2019-05-22	0
1758363	297	248	1998-05-20	0
1767836	297	248	1998-05-20	0
1764207	297	248	2017-12-07	0
1777964	297	248	2017-12-07	0
1764570	297	248	2019-05-22	0
1764788	297	249	2020-09-20	0
1764702	297	250	2020-03-30	0
1771207	297	252	2004-05-28	0
1764521	297	252	2019-02-15	0
1764739	297	252	2020-07-09	0
1774206	297	259	2009-07-17	0
1778951	297	259	2020-10-11	0

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1767849	297	261	1998-05-19	0
1764795	297	264	2020-09-20	0
1778747	297	266	2020-01-29	0
1778748	297	267	2020-01-29	0
1764796	297	267	2020-10-11	0
1764671	297	270	2020-01-29	0
1764747	297	270	2020-07-09	0
1778582	297	272	2019-05-29	0
1764709	297	272	2020-03-27	0
1778959	297	272	2020-10-11	0
1764834	297	273	2020-12-14	0
1778585	297	276	2019-05-29	0
1778962	297	276	2020-10-11	0
1759625	297	277	2002-05-09	0
1768011	297	280	1998-08-03	0
1778879	297	281	2020-07-10	0
1778880	297	282	2020-07-01	0
1778670	297	284	2019-09-29	0
1778590	297	285	2019-05-30	0
1768016	297	287	1998-08-02	0
1768815	297	288	2000-03-24	0
1769235	297	288	2000-11-30	0
1768833	297	308	2000-04-07	0
1779033	297	309	2020-12-16	0
1777506	297	310	2016-09-10	0
1778828	297	310	2020-03-24	0
1768835	297	311	2000-04-07	0
1779035	297	312	2020-12-16	0
1764289	297	318	2018-04-04	0
1779039	297	318	2020-12-15	0
1778986	297	319	2020-10-12	0
1764809	297	319	2020-10-12	0
1764714	297	322	2020-03-26	0
1778987	297	322	2020-10-12	0
1761483	297	324	2008-01-08	0
1778988	297	324	2020-10-12	0
1764839	297	324	2020-12-15	0
1764840	297	325	2020-12-15	0
1771562	297	328	2004-10-13	0
1763223	297	328	2013-12-02	0
1777823	297	328	2017-05-15	0
1764594	297	328	2019-06-03	0
1764841	297	328	2020-12-15	0
1778613	297	330	2019-06-03	0
1762059	297	333	2009-10-12	0
1764595	297	333	2019-06-03	0
1770134	297	334	2002-04-15	0
1764682	297	335	2020-01-28	0
1764843	297	335	2020-12-15	0
1778616	297	337	2019-06-03	0
1779041	297	337	2020-12-15	0
1764844	297	337	2020-12-15	0

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1770140	297	342	2002-04-16	0
1759494	297	344	2001-11-10	0
1778997	297	402	2020-09-28	0
1778998	297	403	2020-10-11	0
1779044	297	502	2020-11-15	0
1778842	297	507	2020-03-19	0
686355	505	P09	2016-05-04	0
683025	505	P11	2003-10-21	0
410295	509	104	1999-12-28	0
379547	509	129	2001-05-09	0
381285	509	452	2002-06-05	0
381047	509	453	2002-03-14	0
4229672	5002	STORET_21FLSJWM_IRLI27	2007-07-12	0
4230157	5002	STORET_21FLSJWM_IRLIRJ01	2009-04-06	0
4198371	5002	STORET_21FLSJWM_JAXSJR01	2015-03-11	0
4202061	5002	STORET_21FLSJWM_MAT	2009-07-13	0
4202434	5002	STORET_21FLSJWM_MAT	2015-03-12	0

**Programs containing flagged data:**

*297* - Florida Keys National Marine Sanctuary Water Quality Monitoring Project  
*505* - Pensacola Bay Water Quality Monitoring Program  
*509* - SERC Water Quality Monitoring Network  
*5002* - Florida STORET / WIN

## Nitrate (N)

Table 8: Flagged Values - Low Indicator Quantile: **0.001**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4326312	5002	STORET_21FLFTM_LV-2	2006-03-13	0
4326315	5002	STORET_21FLFTM_LV-2	2006-06-14	0

### Programs containing flagged data:

5002 - Florida STORET / WIN



## Nitrite (N)

Table 9: Flagged Values - Low Indicator Quantile: **0.00014**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4278801	5002	STORET_21FLFTM_LV-2	2006-03-13	0
4278811	5002	STORET_21FLFTM_LV-4	2006-03-13	0

### Programs containing flagged data:

5002 - Florida STORET / WIN

## Nitrogen, organic

Table 10: Flagged Values - Low Indicator Quantile: **0.029**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4379541	5002	STORET_21FLHILL_025	2007-06-26	0.02
4379545	5002	STORET_21FLHILL_046	2008-01-08	0.02
4379551	5002	STORET_21FLHILL_092	2004-06-22	0.02
4348140	5002	STORET_21FLLOX_40	2012-12-17	0.02
4357859	5002	STORET_21FLLOX_78	2017-02-13	0.01
4275574	5002	STORET_21FLWPB_28010064	2001-08-31	0.02

### Programs containing flagged data:

5002 - Florida STORET / WIN

## PO4 Filtered

Table 11: Flagged Values - Low Indicator Quantile: **2e-05**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2018703	513	STORET_CHNEPMP-212	2016-03-23	0
2018705	513	STORET_CHNEPMP-212	2016-04-26	0
2018707	513	STORET_CHNEPMP-212	2016-04-26	0
2018751	513	STORET_CHNEPMP-213	2016-01-29	0
2018805	513	STORET_CHNEPMP-222	2016-02-23	0
2018807	513	STORET_CHNEPMP-222	2016-04-26	0
2018874	513	STORET_CHNEPMP-223	2016-04-26	0
2018877	513	STORET_CHNEPMP-223	2016-04-26	0
2018952	513	STORET_CHNEPMP-233	2013-09-24	0
2018983	513	STORET_CHNEPMP-233	2016-01-29	0
2018986	513	STORET_CHNEPMP-233	2016-01-29	0
2018988	513	STORET_CHNEPMP-233	2016-06-23	0
2019030	513	STORET_CHNEPMP-234	2013-03-26	0
2019042	513	STORET_CHNEPMP-234	2016-03-23	0
2019097	513	STORET_CHNEPMP-245	2016-02-23	0
2019101	513	STORET_CHNEPMP-245	2016-03-23	0
2019172	513	STORET_CHNEPMP-246	2013-01-24	0
2019177	513	STORET_CHNEPMP-246	2013-04-23	0
2019198	513	STORET_CHNEPMP-246	2016-01-29	0
2019199	513	STORET_CHNEPMP-246	2016-06-23	0
2019201	513	STORET_CHNEPMP-246	2016-09-22	0
2019203	513	STORET_CHNEPMP-246	2016-10-25	0
2019239	513	STORET_CHNEPMP-257	2013-11-26	0
2019242	513	STORET_CHNEPMP-257	2013-11-26	0
2019249	513	STORET_CHNEPMP-257	2016-09-22	0
2019252	513	STORET_CHNEPMP-257	2016-11-21	0
2019257	513	STORET_CHNEPMP-257	2016-11-21	0
2019324	513	STORET_CHNEPMP-258	2016-05-24	0
2019326	513	STORET_CHNEPMP-258	2016-07-26	0
2019401	513	STORET_CHNEPMP-268	2013-02-26	0
2019434	513	STORET_CHNEPMP-268	2016-06-23	0
2019436	513	STORET_CHNEPMP-268	2016-06-23	0
2019446	513	STORET_CHNEPMP-268	2016-11-21	0
2019536	513	STORET_CHNEPMP-280	2013-12-26	0
2019553	513	STORET_CHNEPMP-280	2016-01-29	0
2019555	513	STORET_CHNEPMP-280	2016-04-26	0
2019557	513	STORET_CHNEPMP-280	2016-09-22	0
2019719	513	STORET_CHNEPMP-302	2016-12-22	0
4325027	5002	STORET_21FLSJWM_IRLIRJ01	1998-02-11	0

### Programs containing flagged data:

513 - Coastal Charlotte Harbor Monitoring Network

5002 - Florida STORET / WIN

## Total Kjeldahl Nitrogen TKN

Table 12: Flagged Values - Low Indicator Quantile: **1e-04**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2016701	513	STORET_CHNEPCHE-109	2003-08-06	0
2016757	513	STORET_CHNEPCHE-122	2004-03-25	0
2016758	513	STORET_CHNEPCHE-122	2004-03-25	0
2016811	513	STORET_CHNEPCHE-123	2003-10-13	0
2016841	513	STORET_CHNEPCHE-125	2003-10-13	0
2016853	513	STORET_CHNEPCHE-134	2002-02-25	0
2016856	513	STORET_CHNEPCHE-134	2002-02-25	0
2016879	513	STORET_CHNEPCHE-135	2003-08-27	0
2016886	513	STORET_CHNEPCHE-135	2003-09-04	0
2016971	513	STORET_CHNEPCHE-67	2003-10-13	0
2017017	513	STORET_CHNEPCHE-73	2003-08-06	0
2017083	513	STORET_CHNEPCHE-80	2002-02-25	0
2017086	513	STORET_CHNEPCHE-80	2002-02-25	0
2017125	513	STORET_CHNEPCHE-82	2002-02-25	0
2017201	513	STORET_CHNEPCHE-93	2002-06-04	0
2017214	513	STORET_CHNEPCHE-93	2003-10-13	0
2017217	513	STORET_CHNEPCHE-93	2003-10-13	0
2017227	513	STORET_CHNEPCHE-94	2002-02-25	0
2017249	513	STORET_CHNEPCHP-113	2002-01-29	0
2017301	513	STORET_CHNEPCHP-114	2001-10-03	0
2017278	513	STORET_CHNEPCHP-114	2002-02-21	0
2017325	513	STORET_CHNEPCHP-115	2001-10-03	0
2017321	513	STORET_CHNEPCHP-115	2003-08-27	0
2017328	513	STORET_CHNEPCHP-115	2003-10-15	0
2017334	513	STORET_CHNEPCHP-116	2002-02-21	0
2017373	513	STORET_CHNEPCHP-118	2003-10-15	0
2017381	513	STORET_CHNEPCHP-126	2003-03-04	0
2017413	513	STORET_CHNEPCHP-127	2003-03-04	0
2017424	513	STORET_CHNEPCHP-127	2003-09-04	0
2017431	513	STORET_CHNEPCHP-128	2002-01-29	0
2017451	513	STORET_CHNEPCHP-129	2002-02-21	0
2017462	513	STORET_CHNEPCHP-129	2003-09-04	0
2017464	513	STORET_CHNEPCHP-129	2003-10-15	0
2017471	513	STORET_CHNEPCHP-130	2002-02-21	0
2017587	513	STORET_CHNEPCHP-98	2003-08-27	0
2017567	513	STORET_CHNEPCHP-98	2005-02-01	0
2017613	513	STORET_CHNEPCHP-99	2001-10-03	0
2017628	513	STORET_CHNEPCHW-105	2004-03-25	0
2017668	513	STORET_CHNEPCHW-50	2001-10-03	0
2017739	513	STORET_CHNEPCHW-54	2002-02-26	0
2017835	513	STORET_CHNEPCHW-60	2003-08-06	0
2017871	513	STORET_CHNEPCHW-61	2003-11-05	0
2017876	513	STORET_CHNEPCHW-61	2003-11-05	0
2017919	513	STORET_CHNEPCHW-64	2003-09-02	0
2017944	513	STORET_CHNEPCHW-65	2002-02-25	0
2018043	513	STORET_CHNEPCHW-72	2002-06-04	0
2018053	513	STORET_CHNEPCHW-78	2002-01-29	0
2018060	513	STORET_CHNEPCHW-78	2002-02-25	0

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2018089	513	STORET_CHNEPCHW-79	2003-10-13	0
2018091	513	STORET_CHNEPCHW-79	2003-10-13	0
2018083	513	STORET_CHNEPCHW-79	2004-03-25	0
2018102	513	STORET_CHNEPCHW-90	2002-02-25	0
2018150	513	STORET_CHNEPCHW-91	2003-10-13	0
2018155	513	STORET_CHNEPCHW-91	2003-10-13	0
2018178	513	STORET_CHNEPLL-514	2003-09-23	0
2018203	513	STORET_CHNEPLL-517	2002-02-19	0
2018227	513	STORET_CHNEPLL-517	2003-09-23	0
2018246	513	STORET_CHNEPLL-520	2004-06-24	0
2018265	513	STORET_CHNEPLL-523	2002-02-19	0
2018326	513	STORET_CHNEPLL-531	2002-12-12	0
2018308	513	STORET_CHNEPLL-531	2004-06-24	0
2018410	513	STORET_CHNEPLL-85	2001-10-03	0
2018380	513	STORET_CHNEPLL-85	2004-06-24	0
2018643	513	STORET_CHNEPSCB-346	2007-10-10	0
2018657	513	STORET_CHNEPSCB-359	2007-10-10	0
2018659	513	STORET_CHNEPSCB-359	2007-10-10	0
2018453	513	STORET_CHNEPTMR-22	2003-11-04	0

**Programs containing flagged data:**

513 - Coastal Charlotte Harbor Monitoring Network

## Total Nitrogen

Table 13: Flagged Values - Low Indicator Quantile: **8e-05**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2016854	513	STORET_CHNEPCHE-134	2002-02-25	0
2016857	513	STORET_CHNEPCHE-134	2002-02-25	0
2017084	513	STORET_CHNEPCHE-80	2002-02-25	0
2017087	513	STORET_CHNEPCHE-80	2002-02-25	0
2017126	513	STORET_CHNEPCHE-82	2002-02-25	0
2017202	513	STORET_CHNEPCHE-93	2002-06-04	0
2017228	513	STORET_CHNEPCHE-94	2002-02-25	0
2017250	513	STORET_CHNEPCHP-113	2002-01-29	0
2017302	513	STORET_CHNEPCHP-114	2001-10-03	0
2017279	513	STORET_CHNEPCHP-114	2002-02-21	0
2017326	513	STORET_CHNEPCHP-115	2001-10-03	0
2017335	513	STORET_CHNEPCHP-116	2002-02-21	0
2017432	513	STORET_CHNEPCHP-128	2002-01-29	0
2017452	513	STORET_CHNEPCHP-129	2002-02-21	0
2017472	513	STORET_CHNEPCHP-130	2002-02-21	0
2017614	513	STORET_CHNEPCHP-99	2001-10-03	0
2017740	513	STORET_CHNEPCHW-54	2002-02-26	0
2017872	513	STORET_CHNEPCHW-61	2003-11-05	0
2017877	513	STORET_CHNEPCHW-61	2003-11-05	0
2017945	513	STORET_CHNEPCHW-65	2002-02-25	0
2018044	513	STORET_CHNEPCHW-72	2002-06-04	0
2018054	513	STORET_CHNEPCHW-78	2002-01-29	0
2018061	513	STORET_CHNEPCHW-78	2002-02-25	0
2018103	513	STORET_CHNEPCHW-90	2002-02-25	0
2018204	513	STORET_CHNEPLL-517	2002-02-19	0
2018247	513	STORET_CHNEPLL-520	2004-06-24	0
2018266	513	STORET_CHNEPLL-523	2002-02-19	0
2018309	513	STORET_CHNEPLL-531	2004-06-24	0
2018411	513	STORET_CHNEPLL-85	2001-10-03	0
2018381	513	STORET_CHNEPLL-85	2004-06-24	0
2001889	514	Bay-St. Andrew Bay-6-1	2004-02-08	0
2002065	514	Bay-St. Andrew Bay-7-1	2004-01-11	0
2004788	514	Monroe-Harry Harris Park Canal-2-1	2003-08-18	0
2004858	514	Monroe-Ocean Shore-2-1	2003-11-28	0
2004867	514	Monroe-Ocean Shore-2-1	2004-08-22	0
2004880	514	Monroe-Ocean Shore-3-1	2003-11-28	0
2006605	514	Monroe-Tavernier-1-1	2003-09-18	0
2006606	514	Monroe-Tavernier-1-1	2003-10-14	0
2006610	514	Monroe-Tavernier-1-1	2004-02-21	0
2006611	514	Monroe-Tavernier-1-1	2004-03-13	0
2006612	514	Monroe-Tavernier-1-1	2004-04-24	0
2006619	514	Monroe-Tavernier-10-1	2003-07-16	0
2006621	514	Monroe-Tavernier-10-1	2003-09-18	0
2006622	514	Monroe-Tavernier-10-1	2003-10-14	0
2006623	514	Monroe-Tavernier-10-1	2003-11-28	0
2006624	514	Monroe-Tavernier-10-1	2003-12-24	0
2006625	514	Monroe-Tavernier-10-1	2004-01-17	0
2006626	514	Monroe-Tavernier-10-1	2004-02-21	0

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2006627	514	Monroe-Tavernier-10-1	2004-03-13	0
2006633	514	Monroe-Tavernier-2-1	2000-12-18	0
2006637	514	Monroe-Tavernier-2-1	2001-04-24	0
2006638	514	Monroe-Tavernier-2-1	2001-05-20	0
2006645	514	Monroe-Tavernier-2-1	2002-01-21	0
2006661	514	Monroe-Tavernier-2-1	2003-06-18	0
2006664	514	Monroe-Tavernier-2-1	2003-09-18	0
2006670	514	Monroe-Tavernier-2-1	2004-03-13	0
2006671	514	Monroe-Tavernier-2-1	2004-04-24	0
2006677	514	Monroe-Tavernier-3-1	2000-12-18	0
2006681	514	Monroe-Tavernier-3-1	2001-04-24	0
2006689	514	Monroe-Tavernier-3-1	2001-12-24	0
2006705	514	Monroe-Tavernier-3-1	2003-05-16	0
2006706	514	Monroe-Tavernier-3-1	2003-06-18	0
2006709	514	Monroe-Tavernier-3-1	2003-09-18	0
2006710	514	Monroe-Tavernier-3-1	2003-10-14	0
2006712	514	Monroe-Tavernier-3-1	2003-12-24	0
2006716	514	Monroe-Tavernier-3-1	2004-04-24	0
2006721	514	Monroe-Tavernier-4-1	2003-04-12	0
2006723	514	Monroe-Tavernier-4-1	2003-06-18	0
2006724	514	Monroe-Tavernier-4-1	2003-07-16	0
2006725	514	Monroe-Tavernier-4-1	2003-08-18	0
2006726	514	Monroe-Tavernier-4-1	2003-09-18	0
2006727	514	Monroe-Tavernier-4-1	2003-10-14	0
2006729	514	Monroe-Tavernier-4-1	2003-12-24	0
2006731	514	Monroe-Tavernier-4-1	2004-02-21	0
2006732	514	Monroe-Tavernier-4-1	2004-03-13	0
2006734	514	Monroe-Tavernier-4-1	2004-05-22	0
2006739	514	Monroe-Tavernier-5-1	2003-04-12	0
2006740	514	Monroe-Tavernier-5-1	2003-05-16	0
2006743	514	Monroe-Tavernier-5-1	2003-08-18	0
2006744	514	Monroe-Tavernier-5-1	2003-09-18	0
2006746	514	Monroe-Tavernier-5-1	2003-12-24	0
2006748	514	Monroe-Tavernier-5-1	2004-02-21	0
2006749	514	Monroe-Tavernier-5-1	2004-03-13	0
2006751	514	Monroe-Tavernier-5-1	2004-05-22	0
2006756	514	Monroe-Tavernier-6-1	2003-04-12	0
2006759	514	Monroe-Tavernier-6-1	2003-07-16	0
2006761	514	Monroe-Tavernier-6-1	2003-09-18	0
2006762	514	Monroe-Tavernier-6-1	2003-10-14	0
2006766	514	Monroe-Tavernier-6-1	2004-02-21	0
2006767	514	Monroe-Tavernier-6-1	2004-03-13	0
2006768	514	Monroe-Tavernier-6-1	2004-04-24	0
2006769	514	Monroe-Tavernier-6-1	2004-05-22	0
2006773	514	Monroe-Tavernier-6-1	2004-10-23	0
2006775	514	Monroe-Tavernier-7-1	2003-05-16	0
2006776	514	Monroe-Tavernier-7-1	2003-06-18	0
2006777	514	Monroe-Tavernier-7-1	2003-07-16	0
2006778	514	Monroe-Tavernier-7-1	2003-08-18	0
2006779	514	Monroe-Tavernier-7-1	2003-09-18	0
2006781	514	Monroe-Tavernier-7-1	2003-11-28	0
2006782	514	Monroe-Tavernier-7-1	2003-12-24	0

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2006783	514	Monroe-Tavernier-7-1	2004-01-17	0
2006784	514	Monroe-Tavernier-7-1	2004-02-21	0
2006785	514	Monroe-Tavernier-7-1	2004-03-13	0
2006786	514	Monroe-Tavernier-7-1	2004-04-24	0
2006787	514	Monroe-Tavernier-7-1	2004-06-20	0
2006791	514	Monroe-Tavernier-8-1	2003-04-12	0
2006792	514	Monroe-Tavernier-8-1	2003-05-16	0
2006793	514	Monroe-Tavernier-8-1	2003-06-18	0
2006796	514	Monroe-Tavernier-8-1	2003-09-18	0
2006797	514	Monroe-Tavernier-8-1	2003-10-14	0
2006799	514	Monroe-Tavernier-8-1	2003-12-24	0
2006802	514	Monroe-Tavernier-8-1	2004-03-13	0
2006803	514	Monroe-Tavernier-8-1	2004-04-24	0
2006804	514	Monroe-Tavernier-8-1	2004-05-22	0
2006808	514	Monroe-Tavernier-8-1	2004-10-23	0
2006811	514	Monroe-Tavernier-9-1	2003-06-18	0
2006812	514	Monroe-Tavernier-9-1	2003-07-16	0
2006814	514	Monroe-Tavernier-9-1	2003-09-18	0
2006815	514	Monroe-Tavernier-9-1	2003-10-14	0
2006816	514	Monroe-Tavernier-9-1	2003-11-28	0
2006818	514	Monroe-Tavernier-9-1	2004-01-17	0
2006819	514	Monroe-Tavernier-9-1	2004-02-21	0
2006821	514	Monroe-Tavernier-9-1	2004-04-24	0

**Programs containing flagged data:**

513 - Coastal Charlotte Harbor Monitoring Network

514 - Florida LAKEWATCH Program



## Total Phosphorus

Table 14: Flagged Values - Low Indicator Quantile: 0

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2017595	513	STORET_CHNEPCHP-98	2009-11-03	0
1954378	514	Gulf-Dove Field-1-1	2017-04-11	0
1949183	514	Miami-Dade-Biscayne-1-1	2001-08-11	0
1949233	514	Miami-Dade-Biscayne-3-1	2001-11-11	0
1949365	514	Monroe-Cudjoe-10-1	2014-10-31	0
1949624	514	Monroe-Cudjoe-3-1	2007-08-13	0
1949673	514	Monroe-Cudjoe-3-1	2014-10-31	0
1949748	514	Monroe-Cudjoe-9-1	2014-10-31	0
1949913	514	Monroe-Ocean Shore-2-1	2003-05-16	0
1949914	514	Monroe-Ocean Shore-2-1	2003-06-18	0
1949926	514	Monroe-Ocean Shore-2-1	2004-06-20	0
1949928	514	Monroe-Ocean Shore-2-1	2004-08-22	0
1949929	514	Monroe-Ocean Shore-2-1	2004-10-23	0
1949933	514	Monroe-Ocean Shore-3-1	2003-03-16	0
1949935	514	Monroe-Ocean Shore-3-1	2003-05-16	0
1949936	514	Monroe-Ocean Shore-3-1	2003-06-18	0
1949938	514	Monroe-Ocean Shore-3-1	2003-08-18	0
1950055	514	Monroe-Ramrod Key-4-1	2007-11-18	0
1950064	514	Monroe-Ramrod Key-4-1	2009-02-08	0
1950145	514	Monroe-Ramrod Key-5-1	2007-12-29	0
1950154	514	Monroe-Ramrod Key-5-1	2009-02-08	0
1950330	514	Monroe-Ramrod Key-9-1	2004-12-04	0
1950377	514	Monroe-Ramrod Key-9-1	2014-12-08	0
1950708	514	Monroe-Sugarloaf B-2-1	2014-10-05	0
1950825	514	Monroe-Sugarloaf F-2-1	2003-03-18	0
1950890	514	Monroe-Sugarloaf F-2-1	2014-10-05	0
1950925	514	Monroe-Sugarloaf F-3-1	2000-06-19	0
1951101	514	Monroe-Sugarloaf J-1-1	2000-06-19	0
1951127	514	Monroe-Sugarloaf J-2-1	2000-08-20	0
1951149	514	Monroe-Sugarloaf J-3-1	2000-06-19	0
1951153	514	Monroe-Sugarloaf J-3-1	2000-10-20	0
1951199	514	Monroe-Sugarloaf K-2-1	2000-05-20	0
1951322	514	Monroe-Sugarloaf N-1-1	2003-07-22	0
1951351	514	Monroe-Sugarloaf N-1-1	2009-01-03	0
1951381	514	Monroe-Sugarloaf N-1-1	2014-10-05	0
1951431	514	Monroe-Tarpon Basin-1-1	2014-10-15	0
1951507	514	Monroe-Tarpon Basin-2-1	2014-10-15	0
1951509	514	Monroe-Tarpon Basin-2-1	2015-01-17	0
1951635	514	Monroe-Tavernier-1-1	2000-12-18	0
1951636	514	Monroe-Tavernier-1-1	2001-01-24	0
1951640	514	Monroe-Tavernier-1-1	2001-05-20	0
1951655	514	Monroe-Tavernier-1-1	2002-09-26	0
1951657	514	Monroe-Tavernier-1-1	2002-11-24	0
1951658	514	Monroe-Tavernier-1-1	2002-12-26	0
1951659	514	Monroe-Tavernier-1-1	2003-02-16	0
1951661	514	Monroe-Tavernier-1-1	2003-04-12	0
1951662	514	Monroe-Tavernier-1-1	2003-05-16	0
1951663	514	Monroe-Tavernier-1-1	2003-06-18	0

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1951680	514	Monroe-Tavernier-10-1	2003-07-16	0
1951681	514	Monroe-Tavernier-10-1	2003-08-18	0
1951695	514	Monroe-Tavernier-2-1	2000-12-18	0
1951697	514	Monroe-Tavernier-2-1	2001-02-22	0
1951713	514	Monroe-Tavernier-2-1	2002-07-23	0
1951714	514	Monroe-Tavernier-2-1	2002-08-21	0
1951717	514	Monroe-Tavernier-2-1	2002-11-24	0
1951719	514	Monroe-Tavernier-2-1	2003-02-16	0
1951720	514	Monroe-Tavernier-2-1	2003-03-16	0
1951723	514	Monroe-Tavernier-2-1	2003-06-18	0
1951724	514	Monroe-Tavernier-2-1	2003-07-16	0
1951739	514	Monroe-Tavernier-3-1	2000-12-18	0
1951740	514	Monroe-Tavernier-3-1	2001-01-24	0
1951742	514	Monroe-Tavernier-3-1	2001-03-18	0
1951743	514	Monroe-Tavernier-3-1	2001-04-24	0
1951758	514	Monroe-Tavernier-3-1	2002-08-21	0
1951759	514	Monroe-Tavernier-3-1	2002-09-26	0
1951761	514	Monroe-Tavernier-3-1	2002-11-24	0
1951762	514	Monroe-Tavernier-3-1	2002-12-26	0
1951764	514	Monroe-Tavernier-3-1	2003-03-16	0
1951765	514	Monroe-Tavernier-3-1	2003-04-12	0
1951766	514	Monroe-Tavernier-3-1	2003-05-16	0
1951767	514	Monroe-Tavernier-3-1	2003-06-18	0
1951768	514	Monroe-Tavernier-3-1	2003-07-16	0
1951782	514	Monroe-Tavernier-3-1	2004-10-23	0
1951783	514	Monroe-Tavernier-4-1	2003-04-12	0
1951785	514	Monroe-Tavernier-4-1	2003-06-18	0
1951787	514	Monroe-Tavernier-4-1	2003-08-18	0
1951797	514	Monroe-Tavernier-4-1	2004-06-20	0
1951800	514	Monroe-Tavernier-4-1	2004-10-23	0
1951802	514	Monroe-Tavernier-5-1	2003-05-16	0
1951803	514	Monroe-Tavernier-5-1	2003-06-18	0
1951804	514	Monroe-Tavernier-5-1	2003-07-16	0
1951805	514	Monroe-Tavernier-5-1	2003-08-18	0
1951814	514	Monroe-Tavernier-5-1	2004-06-20	0
1951817	514	Monroe-Tavernier-5-1	2004-10-23	0
1951818	514	Monroe-Tavernier-6-1	2003-04-12	0
1951819	514	Monroe-Tavernier-6-1	2003-05-16	0
1951822	514	Monroe-Tavernier-6-1	2003-08-18	0
1951835	514	Monroe-Tavernier-6-1	2004-10-23	0
1951845	514	Monroe-Tavernier-7-1	2004-01-17	0
1951846	514	Monroe-Tavernier-7-1	2004-02-21	0
1951852	514	Monroe-Tavernier-7-1	2004-08-22	0
1951856	514	Monroe-Tavernier-8-1	2003-06-18	0
1951858	514	Monroe-Tavernier-8-1	2003-08-18	0
1951863	514	Monroe-Tavernier-8-1	2004-01-17	0
1951871	514	Monroe-Tavernier-8-1	2004-10-23	0
1951876	514	Monroe-Tavernier-9-1	2003-08-18	0
1951882	514	Monroe-Tavernier-9-1	2004-02-21	0
1952034	514	Okaloosa-CBA Niceville-1-1	2014-11-22	0

Programs containing flagged data:

513 - Coastal Charlotte Harbor Monitoring Network  
514 - Florida LAKEWATCH Program

## Total Suspended Solids, TSS

Table 15: Flagged Values - Low Indicator Quantile: **0.125**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2032839	3	12473A	2005-01-19 00:00:00	0.03
2027319	3	12843A	2006-09-13 00:00:00	0.10
2032840	3	9741A	2005-01-19 00:00:00	0.09
2019089	513	STORET_CHNEPMP-245	2012-09-25 00:00:00	0.05
2019317	513	STORET_CHNEPMP-258	2012-10-23 00:00:00	0.05
2019394	513	STORET_CHNEPMP-268	2012-08-23 00:00:00	0.05
2019526	513	STORET_CHNEPMP-280	2012-03-27 00:00:00	0.05
2019634	513	STORET_CHNEPMP-290	2012-11-27 00:00:00	0.05
2019682	513	STORET_CHNEPMP-291	2012-05-22 00:00:00	0.05
4000386	5002	STORET_21FLDADE_BB04	2015-03-02 00:00:00	0.07
4000409	5002	STORET_21FLDADE_BB05A	2015-03-02 00:00:00	0.08
4000450	5002	STORET_21FLDADE_BB09	2015-03-02 00:00:00	0.08
4000475	5002	STORET_21FLDADE_BB11	2015-03-02 00:00:00	0.08
4000502	5002	STORET_21FLDADE_BB14	2015-03-02 00:00:00	0.06
4000527	5002	STORET_21FLDADE_BB17	2015-03-03 00:00:00	0.05
4000703	5002	STORET_21FLDADE_BB22	2015-03-03 00:00:00	0.08
4000728	5002	STORET_21FLDADE_BB24	2015-03-03 00:00:00	0.07
4000761	5002	STORET_21FLDADE_BB31	2015-03-05 00:00:00	0.05
4003350	5002	STORET_21FLDADE_BB34	2015-03-05 00:00:00	0.11
4003396	5002	STORET_21FLDADE_BB47	2015-03-04 00:00:00	0.11
4003654	5002	STORET_21FLDADE_BL01	2010-09-15 00:00:00	0.01
4003670	5002	STORET_21FLDADE_CD01A	2015-03-05 00:00:00	0.12
4003697	5002	STORET_21FLDADE_CG01	2015-03-05 00:00:00	0.08
4003719	5002	STORET_21FLDADE_CM02	2010-09-14 00:00:00	0.01
4003714	5002	STORET_21FLDADE_CM02	2015-03-03 00:00:00	0.02
4003744	5002	STORET_21FLDADE_LR01	2010-09-13 00:00:00	0.01
4003734	5002	STORET_21FLDADE_LR01	2015-03-02 00:00:00	0.04
4003761	5002	STORET_21FLDADE_MR01	2015-03-03 00:00:00	0.08
4003849	5002	STORET_21FLDADE_SP01	2010-09-16 00:00:00	0.01
4003839	5002	STORET_21FLDADE_SP01	2015-03-05 00:00:00	0.08
4020910	5002	STORET_21FLPNS_300546728411373	2006-04-27 00:00:00	0.00
4020924	5002	STORET_21FLPNS_300743908411593	2006-04-27 00:00:00	0.00
5504123	5002	WIN_21FLMCGL_WS B	2020-06-18 11:00:00	0.10
5504124	5002	WIN_21FLMCGL_WS B	2020-06-25 10:55:00	0.10
5504125	5002	WIN_21FLMCGL_WS B	2020-07-02 11:00:00	0.10
5504128	5002	WIN_21FLMCGL_WS B	2021-01-21 10:30:00	0.10
5451696	5033	WIN_21FLCRCP_GOC008	2017-06-06 12:41:00	0.10
5355776	5033	WIN_21FLCRCP_GOC009	2016-09-27 08:23:00	0.11
5451983	5033	WIN_21FLCRCP_GOC011	2017-02-09 10:41:00	0.10
5356031	5033	WIN_21FLCRCP_GOC013	2017-03-09 09:10:00	0.10
5356065	5033	WIN_21FLCRCP_GOC014	2017-03-09 08:45:00	0.10

### Programs containing flagged data:

3 - Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Ship-board Surveys

513 - Coastal Charlotte Harbor Monitoring Network

5002 - Florida STORET / WIN

5033 - Southeast Florida Water Quality Assessment Survey

## Turbidity

Table 16: Flagged Values - Low Indicator Quantile: **0.02**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1818878	297	213	1995-12-06 00:00:00	0.01
1820522	297	213	1998-05-12 00:00:00	0.00
1874582	297	213	1998-07-14 00:00:00	0.01
1822200	297	213	2003-08-07 00:00:00	0.01
1822516	297	213	2004-08-20 00:00:00	0.01
1823483	297	213	2007-09-25 13:59:08	0.00
1841694	297	213	2013-12-24 00:00:00	0.01
1820066	297	213	2015-05-15 00:00:00	0.01
1844032	297	213	2019-08-15 00:00:00	0.01
1841096	297	215	2012-05-30 00:00:00	0.01
1842210	297	215	2015-02-04 00:00:00	0.01
1844340	297	216	2020-07-07 00:00:00	0.01
1820194	297	219	2015-12-03 00:00:00	0.01
1837988	297	219	2018-11-26 00:00:00	0.01
1838426	297	219	2020-09-19 00:00:00	0.01
1838672	297	219i	1995-03-28 00:00:00	0.01
1825778	297	220	2013-01-17 00:00:00	0.01
1821799	297	221	2002-04-25 00:00:00	0.01
1841907	297	222	2014-04-25 00:00:00	0.01
1837673	297	222	2017-08-14 00:00:00	0.01
1844449	297	222	2020-09-19 00:00:00	0.01
1838428	297	222	2020-09-19 00:00:00	0.01
1856074	297	224	1996-07-24 00:00:00	0.01
1841606	297	224	2013-09-08 00:00:00	0.01
1825899	297	224	2013-09-08 00:00:00	0.01
1874594	297	225	1998-07-16 00:00:00	0.01
1823488	297	225	2007-09-25 11:35:42	0.00
1823568	297	225	2007-11-26 12:27:35	0.01
1842012	297	225	2014-07-16 00:00:00	0.01
1844043	297	225	2019-09-25 00:00:00	0.01
1838431	297	225	2020-09-20 00:00:00	0.01
1818736	297	225i	1995-03-28 00:00:00	0.01
1820610	297	228	1998-07-16 00:00:00	0.01
1841708	297	228	2013-12-24 00:00:00	0.01
1844351	297	228	2020-07-07 00:00:00	0.01
1841213	297	229	2012-08-23 00:00:00	0.00
1825905	297	231	2013-09-08 00:00:00	0.01
1842018	297	231	2014-07-17 00:00:00	0.01
1842831	297	231	2016-09-13 00:00:00	0.01
1838180	297	231	2019-09-25 00:00:00	0.01
1844458	297	231	2020-09-20 00:00:00	0.01
1856081	297	233	1996-07-24 00:00:00	0.01
1821725	297	234	2002-02-26 00:00:00	0.01
1822930	297	234	2005-10-12 00:00:00	0.01
1837045	297	234	2007-08-01 11:57:35	0.00
1819029	297	236	1996-07-23 00:00:00	0.01
1819030	297	237	1996-07-23 00:00:00	0.00
1840478	297	237	2011-01-29 00:00:00	0.01

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1842021	297	237	2014-07-17 00:00:00	0.01
1842627	297	237	2016-03-03 00:00:00	0.01
1837453	297	237	2016-11-14 00:00:00	0.01
1843455	297	237	2018-02-28 00:00:00	0.01
1838119	297	237	2019-05-07 00:00:00	0.01
1838439	297	237	2020-09-20 00:00:00	0.01
1837050	297	239	2007-08-01 11:15:36	0.00
1842230	297	239	2015-02-17 00:00:00	0.01
1843951	297	239	2019-05-07 00:00:00	0.01
1856088	297	240	1996-07-23 00:00:00	0.00
1819110	297	240	1996-12-07 00:00:00	0.01
1856608	297	240	1997-04-03 00:00:00	0.00
1819189	297	240	1997-04-03 00:00:00	0.01
1828590	297	240	2002-10-30 00:00:00	0.01
1821972	297	240	2002-10-30 00:00:00	0.01
1822934	297	240	2005-10-18 00:00:00	0.01
1825434	297	242	2011-12-02 00:00:00	0.01
1821974	297	243	2002-10-30 00:00:00	0.01
1825256	297	243	2011-04-05 00:00:00	0.01
1841719	297	243	2013-12-06 00:00:00	0.01
1842233	297	243	2015-02-17 00:00:00	0.01
1818738	297	243i	1995-03-24 00:00:00	0.01
1842841	297	246	2016-09-15 00:00:00	0.01
1838124	297	246	2019-05-22 00:00:00	0.01
1825602	297	247	2012-06-05 00:00:00	0.01
1842843	297	248	2016-09-15 00:00:00	0.01
1841623	297	249	2013-09-11 00:00:00	0.01
1825915	297	249	2013-09-11 00:00:00	0.01
1842238	297	249	2015-02-17 00:00:00	0.01
1837185	297	251	2007-10-25 10:46:20	0.01
1921178	297	252	2000-09-13 00:00:00	0.01
1837186	297	252	2007-10-25 11:29:05	0.01
1841931	297	252	2014-04-24 00:00:00	0.01
1842639	297	252	2016-03-03 00:00:00	0.01
1842950	297	252	2016-11-15 00:00:00	0.01
1843961	297	252	2019-05-22 00:00:00	0.01
1837187	297	253	2007-10-25 15:54:53	0.01
1842953	297	255	2016-11-22 00:00:00	0.01
1844372	297	255	2020-07-09 00:00:00	0.01
1822864	297	256	2005-08-03 00:00:00	0.01
1835951	297	259	2005-08-03 00:00:00	0.00
1842955	297	259	2016-11-22 00:00:00	0.01
1844478	297	259	2020-10-11 00:00:00	0.01
1838453	297	259	2020-10-11 00:00:00	0.01
1825269	297	262	2011-04-13 00:00:00	0.01
1829649	297	263	2003-10-01 00:00:00	0.01
1841938	297	263	2014-04-24 00:00:00	0.01
1842438	297	263	2015-09-17 00:00:00	0.01
1825186	297	264	2011-01-29 00:00:00	0.01
1825986	297	264	2013-12-24 00:00:00	0.01
1842647	297	264	2016-03-02 00:00:00	0.01
1843270	297	264	2017-08-16 00:00:00	0.01

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1825868	297	267	2013-06-24 00:00:00	0.01
1825453	297	269	2011-12-09 00:00:00	0.01
1842359	297	280	2015-06-02 00:00:00	0.01
1838273	297	280	2020-01-28 00:00:00	0.01
1844285	297	280	2020-03-27 00:00:00	0.01
1824523	297	317	2009-07-28 00:00:00	0.01
1840850	297	319	2011-07-13 00:00:00	0.01
1837002	297	331	2007-04-10 00:00:00	0.01
1841076	297	333	2012-03-24 00:00:00	0.01
1842795	297	333	2016-06-28 00:00:00	0.01
1841677	297	335	2013-09-20 00:00:00	0.01
1820117	297	335	2015-05-21 00:00:00	0.01
1842589	297	335	2015-12-15 00:00:00	0.01
1841678	297	337	2013-09-20 00:00:00	0.01
1891067	297	344	1998-07-08 00:00:00	0.01
1822909	297	345	2005-07-19 00:00:00	0.00
1823474	297	345	2007-04-11 00:00:00	0.01
1823558	297	400	2007-09-25 12:25:40	0.00
1837147	297	400	2007-09-25 12:25:40	0.01
1841182	297	400	2012-05-30 00:00:00	0.01
1837148	297	401	2007-08-01 11:41:34	0.01
1841679	297	401	2013-09-11 00:00:00	0.01
1837299	297	401	2016-03-03 00:00:00	0.01
1837726	297	401	2017-08-16 00:00:00	0.01
1838222	297	401	2019-09-25 00:00:00	0.01
1838482	297	401	2020-09-20 00:00:00	0.01
1840449	297	402	2010-10-17 00:00:00	0.00
1841784	297	402	2013-12-06 00:00:00	0.01
1837430	297	402	2016-09-15 00:00:00	0.01
1844531	297	402	2020-09-28 00:00:00	0.01
1823560	297	403	2007-08-23 12:30:31	0.01
4656830	297	WIN_21FLFWC_213-W	2015-05-15 11:27:00	0.01
4656831	297	WIN_21FLFWC_213-W	2015-05-15 11:27:00	0.01
4656841	297	WIN_21FLFWC_213-W	2016-09-12 15:32:00	0.01
4656849	297	WIN_21FLFWC_213-W	2017-05-03 11:38:00	0.01
4786055	297	WIN_21FLFWC_216-W	2020-07-07 10:41:00	0.01
4651158	297	WIN_21FLFWC_219-W	2018-11-26 11:41:00	0.01
4651166	297	WIN_21FLFWC_219-W	2020-09-19 12:46:00	0.01
4654113	297	WIN_21FLFWC_222-W	2014-04-25 14:53:00	0.01
4782795	297	WIN_21FLFWC_222-W	2017-08-14 13:23:00	0.01
4782809	297	WIN_21FLFWC_222-W	2020-09-19 13:39:00	0.01
4782810	297	WIN_21FLFWC_222-W	2020-09-19 13:39:00	0.01
4650594	297	WIN_21FLFWC_225-W	2014-07-16 13:13:00	0.01
4779385	297	WIN_21FLFWC_225-W	2020-09-20 11:31:00	0.01
4779572	297	WIN_21FLFWC_228-W	2020-07-07 13:33:00	0.01
4651134	297	WIN_21FLFWC_231-W	2014-07-17 19:29:00	0.01
4779891	297	WIN_21FLFWC_231-W	2016-09-13 15:15:00	0.01
4780052	297	WIN_21FLFWC_231-W	2020-09-20 12:27:00	0.01
4780604	297	WIN_21FLFWC_237-W	2014-07-17 18:12:00	0.01
4651895	297	WIN_21FLFWC_237-W	2015-05-19 11:22:00	0.01
4781018	297	WIN_21FLFWC_237-W	2016-11-14 12:58:00	0.01
4652285	297	WIN_21FLFWC_237-W	2017-08-16 14:29:00	0.01



RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4652304	297	WIN_21FLFWC_237-W	2019-05-07 13:30:00	0.01
4654536	297	WIN_21FLFWC_237-W	2020-09-20 13:08:00	0.01
4783254	297	WIN_21FLFWC_237-W	2021-06-22 11:14:00	0.01
4783255	297	WIN_21FLFWC_237-W	2021-06-22 11:14:00	0.01
4783259	297	WIN_21FLFWC_237-W	2021-08-20 12:24:00	0.01
4651778	297	WIN_21FLFWC_239-W	2019-05-07 13:51:00	0.01
4780564	297	WIN_21FLFWC_239-W	2021-10-14 13:25:00	0.01
4781179	297	WIN_21FLFWC_246-W	2016-09-15 12:37:00	0.01
4652448	297	WIN_21FLFWC_246-W	2019-05-22 11:40:00	0.01
4652458	297	WIN_21FLFWC_246-W	2021-06-14 11:21:00	0.01
4652459	297	WIN_21FLFWC_246-W	2021-06-14 11:21:00	0.01
4783371	297	WIN_21FLFWC_248-W	2016-09-15 13:10:00	0.01
4781278	297	WIN_21FLFWC_249-W	2015-02-17 15:09:00	0.01
4652559	297	WIN_21FLFWC_249-W	2016-09-15 13:27:00	0.01
4781823	297	WIN_21FLFWC_249-W	2019-05-22 12:12:00	0.01
4653306	297	WIN_21FLFWC_252-W	2016-11-15 14:38:00	0.01
4782024	297	WIN_21FLFWC_252-W	2019-05-22 13:07:00	0.01
4653712	297	WIN_21FLFWC_255-W	2016-11-22 10:39:00	0.01
4653820	297	WIN_21FLFWC_255-W	2020-07-09 12:33:00	0.01
4783732	297	WIN_21FLFWC_256-W	2021-06-16 13:35:00	0.01
4655236	297	WIN_21FLFWC_259-W	2014-04-24 14:32:00	0.01
4780278	297	WIN_21FLFWC_259-W	2016-11-22 11:19:00	0.01
4651749	297	WIN_21FLFWC_259-W	2020-10-11 10:29:00	0.01
4651947	297	WIN_21FLFWC_259-W	2020-10-11 10:29:00	0.01
4651958	297	WIN_21FLFWC_259-W	2021-06-16 12:59:00	0.01
4780965	297	WIN_21FLFWC_263-W	2014-04-24 14:52:00	0.01
4652232	297	WIN_21FLFWC_263-W	2015-09-17 13:34:00	0.01
4652968	297	WIN_21FLFWC_267-W	2016-11-22 13:17:00	0.01
4781136	297	WIN_21FLFWC_267-W	2020-12-14 12:15:00	0.01
4652416	297	WIN_21FLFWC_267-W	2021-08-10 15:22:00	0.01
4782300	297	WIN_21FLFWC_280-W	2015-06-02 15:01:00	0.01
4782315	297	WIN_21FLFWC_280-W	2020-03-27 09:25:00	0.01
4782932	297	WIN_21FLFWC_284-W	2021-06-22 11:35:00	0.01
4783059	297	WIN_21FLFWC_287-W	2014-11-24 11:36:00	0.01
4783184	297	WIN_21FLFWC_288-W	2021-06-22 12:25:00	0.01
4780814	297	WIN_21FLFWC_333-W	2016-06-28 12:55:00	0.01
4780836	297	WIN_21FLFWC_335-W	2015-05-21 12:33:00	0.01
4652922	297	WIN_21FLFWC_401-W	2017-08-16 14:12:00	0.01
4782420	297	WIN_21FLFWC_401-W	2020-09-20 12:53:00	0.01
4782428	297	WIN_21FLFWC_401-W	2021-08-20 12:43:00	0.01
4782429	297	WIN_21FLFWC_401-W	2021-08-20 12:43:00	0.01
4653762	297	WIN_21FLFWC_402-W	2016-09-15 14:19:00	0.01
4651825	297	WIN_21FLFWC_402-W	2020-09-28 11:00:00	0.01
412475	509	132	2000-01-28 00:00:00	0.01
499495	509	135	2001-04-12 00:00:00	0.00
499540	509	4	1991-11-13 00:00:00	0.01
3727366	5002	STORET_21FLDADE_BB06	2010-08-02 00:00:00	0.01
3727769	5002	STORET_21FLDADE_BB09	2010-09-13 00:00:00	0.01
3728044	5002	STORET_21FLDADE_BB11	2015-03-02 00:00:00	0.01
3728416	5002	STORET_21FLDADE_BB14	2010-08-02 00:00:00	0.01
3728417	5002	STORET_21FLDADE_BB14	2010-09-13 00:00:00	0.01
3728289	5002	STORET_21FLDADE_BB14	2015-03-02 00:00:00	0.00

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
3729091	5002	STORET_21FLDADE_BB17	2010-09-14 00:00:00	0.01
3731026	5002	STORET_21FLDADE_BB24	2010-09-14 00:00:00	0.01
3740145	5002	STORET_21FLDADE_BB26	2010-08-03 00:00:00	0.01
3740146	5002	STORET_21FLDADE_BB26	2010-09-14 00:00:00	0.01
3740761	5002	STORET_21FLDADE_BB27	2010-08-05 00:00:00	0.01
3683373	5002	STORET_21FLDADE_BB31	2010-08-05 00:00:00	0.01
3683833	5002	STORET_21FLDADE_BB34	2010-08-05 00:00:00	0.01
3683702	5002	STORET_21FLDADE_BB34	2015-03-05 00:00:00	0.00
3684056	5002	STORET_21FLDADE_BB36	2010-08-05 00:00:00	0.01
3684057	5002	STORET_21FLDADE_BB36	2010-09-16 00:00:00	0.01
3684340	5002	STORET_21FLDADE_BB47	2010-08-04 00:00:00	0.01
3684341	5002	STORET_21FLDADE_BB47	2010-09-15 00:00:00	0.01
3684561	5002	STORET_21FLDADE_BB48	2010-08-04 00:00:00	0.01
3686097	5002	STORET_21FLDADE_BB54	2010-08-03 00:00:00	0.01
3686098	5002	STORET_21FLDADE_BB54	2010-09-14 00:00:00	0.01
3686308	5002	STORET_21FLDADE_BISC121	2010-09-21 00:00:00	0.01
3686384	5002	STORET_21FLDADE_BISC127	2010-08-10 00:00:00	0.01
3686385	5002	STORET_21FLDADE_BISC127	2010-09-21 00:00:00	0.01
3686871	5002	STORET_21FLDADE_CD01A	2010-08-05 00:00:00	0.01
3687114	5002	STORET_21FLDADE_CG01	2010-08-05 00:00:00	0.01
3687115	5002	STORET_21FLDADE_CG01	2010-09-16 00:00:00	0.01
3687166	5002	STORET_21FLDADE_CM02	2015-03-03 00:00:00	0.02
3687298	5002	STORET_21FLDADE_FLAB01	2010-09-21 00:00:00	0.01
3687455	5002	STORET_21FLDADE_LR01	2015-03-02 00:00:00	0.00
3688687	5002	STORET_21FLDADE_OL03	2015-03-02 00:00:00	0.01
3688924	5002	STORET_21FLDADE_SP01	2015-03-05 00:00:00	0.00
3867948	5002	STORET_21FLSEAS_25SEAS370	2016-04-19 00:00:00	0.01
5412370	5002	WIN_21FLSABR_BAY-ST-EWBAY-7	2022-05-17 08:19:00	0.01
5412321	5002	WIN_21FLSABR_BAY-ST-EWBAY-7	2022-11-22 09:42:00	0.01
279385	5026	JT29	2019-07-01 00:00:00	0.01
474868	5058	PB1	2010-03-31 00:00:00	0.01

**Programs containing flagged data:**

297 - Florida Keys National Marine Sanctuary Water Quality Monitoring Project

509 - SERC Water Quality Monitoring Network

5002 - Florida STORET / WIN

5026 - North Biscayne Bay Seagrass Loss Water Quality Program

5058 - Southeast Florida Coral Reef Initiative (SEFCRI) Water Quality Monitoring Report

## High Quantile

### Ammonia- Un-ionized (NH3)

Table 17: Flagged Values - High Indicator Quantile: **0.4778**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
323944	5028	MP1A	2017-10-18	0.53

#### Programs containing flagged data:

5028 - Charlotte Harbor Aquatic Preserves Monthly Water Quality Program

## Chlorophyll a corrected for pheophytin

Table 18: Flagged Values - High Indicator Quantile: **120.0551**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4745740	103	11NPSWRD_WQX-GUIS_MSU_BIGLAG	1994-04-01 00:00:00	492.90
4746496	103	21FLSJWM_WQX-44897	2020-12-02 00:00:00	151.92
4746514	103	21FLSJWM_WQX-44898	2020-12-02 00:00:00	175.82
4789723	303	WIN_21FLSCCF_NWR08	2019-10-23 14:35:00	193.00
2008145	476	STORET_CHV006	2016-06-06 00:00:00	150.00
4684584	479	WIN_21FLSWFD_670065	2021-07-20 09:07:00	128.00
5494082	514	WIN_21FLKWAT_GUL-DOVEFD-1	2020-04-10 07:30:00	351.00
4806912	514	WIN_21FLKWAT_PIN-SEMINOLE-1	2022-07-12 10:00:00	124.00
4683576	514	WIN_21FLKWAT_PIN-SEMINOLE-2	2022-07-12 10:30:00	131.00
4683578	514	WIN_21FLKWAT_PIN-SEMINOLE-2	2022-08-08 10:45:00	127.00
4806979	514	WIN_21FLKWAT_PIN-SEMINOLE-3	2022-08-08 11:10:00	125.00
5526291	540	WIN_21FLWQA_79SEAS172	2018-02-20 11:40:00	130.00
5028954	540	WIN_21FLWQA_79SEAS172	2018-06-19 09:30:00	130.00
5040970	4054	WIN_21FLWQA_GTMPCNUT	2015-06-29 22:00:00	140.00
4044413	5002	STORET_21FLGW_20077	2003-10-29 00:00:00	155.00
4044414	5002	STORET_21FLGW_20089	2003-10-29 00:00:00	150.00
4051135	5002	STORET_21FLHILL_136	2009-09-28 00:00:00	163.40
4041164	5002	STORET_21FLLOX_78	2016-08-15 00:00:00	151.60
4041165	5002	STORET_21FLLOX_78	2016-09-19 00:00:00	127.10
4048062	5002	STORET_21FLTPA_24040131	2009-06-22 00:00:00	150.00
4049110	5002	STORET_21FLTPA_275007824641	2004-05-25 00:00:00	150.00
4049106	5002	STORET_21FLTPA_275007824641	2009-06-22 00:00:00	180.00
4049219	5002	STORET_21FLTPA_275020824650	2004-05-25 00:00:00	130.00
4049227	5002	STORET_21FLTPA_275054824656	2004-05-25 00:00:00	155.00
4049222	5002	STORET_21FLTPA_275054824656	2009-06-22 00:00:00	190.00
4049323	5002	STORET_21FLTPA_275200824646	2004-05-25 00:00:00	150.00
4049319	5002	STORET_21FLTPA_275200824646	2009-06-22 00:00:00	140.00
5304942	5002	WIN_21FLPDEM_SB-A-20-05	2020-07-23 12:18:00	128.00
5427408	5002	WIN_21FLPDEM_SB-A-22-07	2022-11-09 11:23:00	122.00
5304967	5002	WIN_21FLPDEM_SB-B-20-05	2020-07-23 11:50:00	124.00
5304968	5002	WIN_21FLPDEM_SB-B-20-05	2020-07-23 11:50:00	134.00
5424959	5002	WIN_21FLPDEM_SB-B-22-05	2022-08-02 09:53:00	123.00
5412952	5002	WIN_21FLSJWM_411653	2020-10-01 10:27:00	128.31
5307685	5002	WIN_21FLSJWM_411653	2020-11-02 10:17:00	152.90
5308057	5002	WIN_21FLSJWM_44897	2020-10-05 10:11:00	187.24
5413324	5002	WIN_21FLSJWM_44897	2020-10-28 09:17:00	189.31
5308058	5002	WIN_21FLSJWM_44897	2020-11-03 10:00:00	173.13
5308074	5002	WIN_21FLSJWM_44897	2020-11-17 09:24:00	201.27
5308059	5002	WIN_21FLSJWM_44897	2020-12-02 10:58:00	151.92
5308060	5002	WIN_21FLSJWM_44897	2020-12-02 10:58:00	158.99
5308118	5002	WIN_21FLSJWM_44898	2020-11-03 10:20:00	192.79
5308119	5002	WIN_21FLSJWM_44898	2020-12-02 11:21:00	175.82
5308120	5002	WIN_21FLSJWM_44898	2020-12-02 11:21:00	182.87
5413711	5002	WIN_21FLSJWM_471650	2020-12-02 12:04:00	120.33
5413712	5002	WIN_21FLSJWM_471650	2020-12-02 12:04:00	126.15
5314548	5002	WIN_21FLWQA_BLOOM11	2019-08-22 10:50:00	140.00
5314549	5002	WIN_21FLWQA_BLOOM11	2019-08-22 10:50:00	160.00
5336635	5014	WIN_21FLGTM_GTMGL1NUT	2021-06-07 12:13:00	209.00

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
5336636	5014	WIN_21FLGTM_GTMGL1NUT	2021-06-07 12:13:00	239.00
5337160	5014	WIN_21FLGTM_GTMGL2NUT	2019-04-02 12:14:00	123.00
5603420	5014	WIN_21FLGTM_GTMGL2NUT	2020-03-09 12:45:00	146.00
5603421	5014	WIN_21FLGTM_GTMGL2NUT	2020-03-09 12:45:00	180.00
5337168	5014	WIN_21FLGTM_GTMGL2NUT	2021-05-10 12:11:00	125.00
5010849	10000	72	2016-09-14 00:00:00	132.50

**Programs containing flagged data:**

*103* - EPA STORage and RETrieval Data Warehouse (STORET)  
*303* - River, Estuary and Coastal Observing Network  
*476* - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network  
*479* - Southwest Florida Water Management District - Water Quality Monitoring  
*514* - Florida LAKEWATCH Program  
*540* - Shellfish Harvest Area Classification Program  
*4054* - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program  
*5002* - Florida STORET / WIN  
*5014* - Guana River and Guana Lake Water Quality Monitoring  
*10000* - RiverKeeper

## Chlorophyll a uncorrected for pheophytin

Table 19: Flagged Values - High Indicator Quantile: **100**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
300879	95	15873	2016-07-18 00:00:00	295.30
300880	95	16062	2016-07-18 00:00:00	290.00
297076	95	17821	2018-09-17 00:00:00	232.80
297077	95	17823	2018-09-17 00:00:00	155.50
300882	95	17868	2016-07-18 00:00:00	261.70
296895	95	18373	2013-08-01 00:00:00	105.50
296864	95	18583	2013-07-16 00:00:00	275.30
300881	95	18675	2016-07-18 00:00:00	266.90
296902	95	18815	2013-08-06 00:00:00	146.70
301020	95	18946	2016-08-15 00:00:00	123.00
301017	95	19161	2016-08-15 00:00:00	122.99
301126	95	19741	2016-08-16 00:00:00	123.01
301124	95	19848	2016-08-16 00:00:00	123.00
2007525	476	STORET_GSV006	2006-09-05 00:00:00	119.00
4962493	479	20130	2007-03-20 12:11:00	1000000.00
1961037	514	Gulf-Depot Creek-1-1	2018-04-10 00:00:00	153.00
1961061	514	Gulf-Simmons Bayou-1-1	2016-07-11 00:00:00	152.00
1961441	514	Pinellas-Seminole-2	2003-07-19 00:00:00	129.00
1961442	514	Pinellas-Seminole-2	2003-08-10 00:00:00	149.00
1961444	514	Pinellas-Seminole-2	2004-07-10 00:00:00	156.00
4038107	5002	STORET_21FLGW_35645	2008-12-22 00:00:00	110.00
4028930	5002	STORET_21FLHILL_046	2009-08-04 00:00:00	111.10
4030000	5002	STORET_21FLHILL_064	2007-09-04 00:00:00	117.10
4030467	5002	STORET_21FLHILL_065	2004-09-01 00:00:00	140.85
4037652	5002	STORET_21FLHILL_136	2000-07-19 00:00:00	179.50
4037654	5002	STORET_21FLHILL_136	2000-09-20 00:00:00	108.80
4037400	5002	STORET_21FLHILL_136	2009-09-28 00:00:00	178.80
4051473	5002	STORET_21FLKWAT_PIN-SEMINOLE-1	2003-07-19 00:00:00	159.00
4051474	5002	STORET_21FLKWAT_PIN-SEMINOLE-1	2003-08-10 00:00:00	133.00
4051472	5002	STORET_21FLKWAT_PIN-SEMINOLE-1	2004-07-10 00:00:00	148.00
4051476	5002	STORET_21FLKWAT_PIN-SEMINOLE-1	2004-12-18 00:00:00	107.00
4051482	5002	STORET_21FLKWAT_PIN-SEMINOLE-2	2003-07-19 00:00:00	129.00
4051483	5002	STORET_21FLKWAT_PIN-SEMINOLE-2	2003-08-10 00:00:00	149.00
4051481	5002	STORET_21FLKWAT_PIN-SEMINOLE-2	2004-07-10 00:00:00	156.00
4051491	5002	STORET_21FLKWAT_PIN-SEMINOLE-3	2003-07-19 00:00:00	139.00
4051492	5002	STORET_21FLKWAT_PIN-SEMINOLE-3	2003-08-10 00:00:00	146.00
4051490	5002	STORET_21FLKWAT_PIN-SEMINOLE-3	2004-07-10 00:00:00	152.00
4051503	5002	STORET_21FLKWAT_PIN-SYLVIA-3	2008-09-11 00:00:00	168.00
4051504	5002	STORET_21FLKWAT_PIN-SYLVIA-3	2008-10-20 00:00:00	104.00
4051506	5002	STORET_21FLKWAT_PIN-SYLVIA-3	2008-12-06 00:00:00	115.00
4051495	5002	STORET_21FLKWAT_PIN-SYLVIA-3	2009-01-07 00:00:00	126.00
4042779	5002	STORET_21FLLOX_78	2016-08-15 00:00:00	159.80
4042780	5002	STORET_21FLLOX_78	2016-09-19 00:00:00	132.40
4052776	5002	STORET_21FLTPA_24040131	2009-06-22 00:00:00	160.00
4052778	5002	STORET_21FLTPA_24040131	2009-10-07 00:00:00	120.00
4053244	5002	STORET_21FLTPA_275007824641	2009-06-22 00:00:00	190.00
4053341	5002	STORET_21FLTPA_275054824656	2009-06-22 00:00:00	190.00
4053342	5002	STORET_21FLTPA_275054824656	2009-07-28 00:00:00	110.00

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4053345	5002	STORET_21FLTPA_275200824646	2009-06-22 00:00:00	140.00
4054341	5002	STORET_21FLTPA_280845508245483	2010-09-13 00:00:00	110.00
4068168	5002	STORET_FLPRMRWS_PR04_1102	2002-11-12 00:00:00	137.00
4071041	5002	STORET_FLPRMRWS_PR9	1998-04-21 00:00:00	119.80
5012930	10000	72	2012-07-12 00:00:00	105.00
5013596	10000	72	2016-09-14 00:00:00	136.50

**Programs containing flagged data:**

*95* - Harmful Algal Bloom Marine Observation Network

*476* - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network

*479* - Southwest Florida Water Management District - Water Quality Monitoring

*514* - Florida LAKEWATCH Program

*5002* - Florida STORET / WIN

*10000* - RiverKeeper

## Colored dissolved organic matter, CDOM

Table 20: Flagged Values - High Indicator Quantile: **714.83**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4400683	4054	gtmpcnut	2009-06-09 08:55:00	762.8
4400763	4054	gtmpcnut	2009-06-09 13:55:00	754.3
4400770	4054	gtmpcnut	2009-06-09 15:01:00	743.0
4400781	4054	gtmpcnut	2009-06-09 15:02:00	782.6
4429658	4054	gtmpcnut	2012-09-10 07:30:00	858.4
4429666	4054	gtmpcnut	2012-09-10 10:00:00	847.1
4429674	4054	gtmpcnut	2012-09-10 12:30:00	840.0
4429683	4054	gtmpcnut	2012-09-10 15:00:00	852.8
4429692	4054	gtmpcnut	2012-09-10 17:30:00	829.8
4429701	4054	gtmpcnut	2012-09-10 20:00:00	830.4
4429709	4054	gtmpcnut	2012-09-10 22:30:00	850.1
4429719	4054	gtmpcnut	2012-09-11 01:00:00	851.8
4429729	4054	gtmpcnut	2012-09-11 03:30:00	854.0
4429739	4054	gtmpcnut	2012-09-11 06:00:00	876.5
4429840	4054	gtmpcnut	2012-09-11 08:30:00	833.2
4429918	4054	gtmpcnut	2012-09-11 12:20:00	876.6
4429931	4054	gtmpcnut	2012-09-11 12:21:00	864.3
5329151	5002	WIN_21FLA_27010078	2022-03-29 13:25:00	780.0
5329153	5002	WIN_21FLA_27010078	2022-11-07 11:10:00	720.0
5315265	5002	WIN_21FLA_27010079	2020-10-15 12:35:00	880.0
5427439	5002	WIN_21FLGW_6976	2020-07-07 13:10:00	750.0

### Programs containing flagged data:

*4054* - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program  
*5002* - Florida STORET / WIN



## Light Extinction Coefficient

Table 21: Flagged Values - High Indicator Quantile: **7.93999**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
1911910	297	217	2013-09-08	8.52
1911923	297	231	2013-09-08	11.21
1911961	297	285	2013-09-06	12.72
1911962	297	287	2013-09-06	10.46
1911964	297	289	2013-09-06	12.38
1911967	297	292	2013-09-06	11.87
1911996	297	500	2013-09-08	10.53
1911524	297	501	2012-05-31	16.93
1911997	297	501	2013-09-08	26.42
1911999	297	503	2013-09-06	10.27
1912000	297	504	2013-09-11	9.00
1912001	297	506	2013-09-12	10.04
1914508	297	506	2020-01-29	11.55
4056519	5002	STORET_21FLPDEM_RB-B-06-08	2006-11-01	32.68
4058805	5002	STORET_21FLPDEM_W6-A-09-03	2009-05-14	8.08
4059207	5002	STORET_21FLPDEM_W7-B-06-06	2006-07-27	8.98

### Programs containing flagged data:

*297* - Florida Keys National Marine Sanctuary Water Quality Monitoring Project

*5002* - Florida STORET / WIN

## NH4 Filtered

Table 22: Flagged Values - High Indicator Quantile: **5.82316**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2028318	3	12025A	2005-11-09	6.40
2028712	3	12026A	2005-07-11	11.96
2028277	3	12042A	2005-08-31	35.90
2028398	3	12043A	2012-02-22	6.40
4485382	3	12246B	2006-08-14	7.00
2028714	3	12396A	2005-07-11	8.50
2028749	3	12415A	2009-09-01	6.38
2028530	3	12424A	2010-10-20	6.02
2028485	3	12426A	2010-08-24	11.32
2028761	3	12434A	2005-08-17	10.70
2028494	3	12444A	2003-06-16	10.67
2028279	3	12446A	2005-08-31	17.00
2028721	3	12462A	2004-09-14	7.40
2028236	3	12619A	2004-11-16	7.40
2028445	3	12626A	2003-04-28	6.80
2028713	3	12647A	2005-07-11	10.34
2028493	3	12657A	2003-06-16	6.80
2028278	3	12665A	2005-08-31	13.80
2028825	3	12783A	2005-08-31	13.70
2028734	3	12841A	2005-07-11	8.35
2028565	3	12843A	2006-09-13	9.70
4480241	3	14246B	2021-12-05	6.83
4485365	3	1461B	2006-08-13	18.80
4453781	3	1509B	2012-06-05	5.96
4480393	3	1690B	2011-08-03	11.39
2028306	3	6331A	2004-12-17	8.10
2028480	3	6337A	2003-05-20	7.07
2028281	3	6340A	2001-09-24	7.80
2028293	3	6341A	2004-11-17	15.40
2028365	3	6357A	2006-01-24	7.10
2028525	3	6358A	2002-06-18	5.86
2028659	3	6359A	2002-07-17	8.12
2028305	3	6360A	2001-11-27	8.86
2028821	3	6361A	2007-05-17	13.30
2028829	3	6371A	2004-10-21	10.10
2028246	3	6373A	2005-09-01	10.60
2028360	3	6374A	2005-11-10	32.00
2028661	3	6383A	2006-09-14	10.30
2028820	3	6389A	2001-08-20	8.22
2028230	3	6396A	1998-10-15	8.90
2028461	3	6398A	2000-09-19	25.02
2028248	3	6403A	2001-10-16	11.91
2028308	3	6404A	2007-07-11	10.40
2028489	3	6405A	2010-08-25	6.36
2028777	3	6406A	2005-07-12	10.40
2028437	3	6409A	2005-01-20	8.00
2028264	3	6412A	2011-10-27	7.54
2028724	3	6418A	2007-02-13	21.10

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2028475	3	6419A	2012-02-23	7.12
2028229	3	6420A	2003-12-04	7.50
2028532	3	6421A	2008-09-16	15.20
2028462	3	6424A	2000-11-13	7.31
2028618	3	6424A	2001-01-18	10.55
2028672	3	6424A	2001-05-17	7.51
2028709	3	6429A	2001-06-14	5.92
2028499	3	6429A	2004-04-20	6.10
2028753	3	6441A	2004-09-15	11.60
2028657	3	6446A	2002-08-21	5.95
2028654	3	6454A	2003-09-30	7.21
2028231	3	6462A	1998-10-30	6.67
2028517	3	6463A	2000-12-12	8.18
2028448	3	6474A	2004-03-30	11.25
2028317	3	6480A	2004-01-14	6.02
2028383	3	6490A	2011-12-21	12.45
2028234	3	9462A	2004-11-16	11.20
2028349	3	9475A	2010-02-09	6.58
2028267	3	9486A	2004-12-14	13.50
2028736	3	9491A	2005-07-11	8.40
2028811	3	9508A	2004-10-20	10.10
2028827	3	9509A	2005-08-31	9.30
2028457	3	9530A	2003-05-19	6.90
2028235	3	9538A	2004-11-16	18.50
2028268	3	9546A	2004-12-14	44.80
2028793	3	9548A	2011-08-31	7.94
2028819	3	9549A	2003-12-03	7.60
2028444	3	9551A	2003-04-28	5.88
2028555	3	9552A	2002-07-16	7.37
2028300	3	9554A	2011-12-20	7.26
2028828	3	9555A	2005-08-31	13.00
2028402	3	9556A	2005-02-08	6.10
2028812	3	9558A	2004-10-20	20.90
2028283	3	9573A	2009-12-09	6.19
2028633	3	9575A	2009-05-06	9.50
2028482	3	9576A	2010-08-24	9.42
2028776	3	9577A	2003-11-18	8.02
2028711	3	9583A	2005-07-11	6.37
2028646	3	9586A	2003-09-29	8.02
2028350	3	9593A	2010-02-09	8.30
2028686	3	9596A	2005-06-14	9.72
2028233	3	9630A	2004-11-16	6.70
2028735	3	9646A	2005-07-11	7.83
2028810	3	9677A	2004-10-20	7.00
2028826	3	9684A	2005-08-31	17.70
2028237	3	9736A	2004-11-16	6.30
2028781	3	9739A	2003-11-18	6.45
2028280	3	9765A	2005-08-31	12.00
2028715	3	9780A	2005-07-11	6.21
4185795	5002	STORET_21FLCOLL_BLACKW	1989-04-12	69.50
4186773	5002	STORET_21FLCOLL_FAKAUCAN	1989-04-13	69.50
4187018	5002	STORET_21FLCOLL_GOODBAY	1989-04-11	69.50

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4187025	5002	STORET_21FLCOLL_HCKEST	1989-04-11	69.50
4187168	5002	STORET_21FLCOLL_MARCPAS	1989-04-11	69.50
4187171	5002	STORET_21FLCOLL_RBAY170	1989-04-11	528.92
4187172	5002	STORET_21FLCOLL_RBAY170	1989-04-11	69.50
4187173	5002	STORET_21FLCOLL_RBAY191	1989-04-11	488.10
4187174	5002	STORET_21FLCOLL_RBAY191	1989-04-11	69.50
4187175	5002	STORET_21FLCOLL_RBAY192	1989-04-11	499.11
4187176	5002	STORET_21FLCOLL_RBAY192	1989-04-11	69.50
4187177	5002	STORET_21FLCOLL_RBAY192	1989-04-11	482.78
4187178	5002	STORET_21FLCOLL_RBAY192	1989-04-11	69.50
4187179	5002	STORET_21FLCOLL_RBAY205	1989-04-11	467.48
4187180	5002	STORET_21FLCOLL_RBAY205	1989-04-11	69.50
4187181	5002	STORET_21FLCOLL_RBAY206	1989-04-11	472.47
4187182	5002	STORET_21FLCOLL_RBAY206	1989-04-11	69.50
4187305	5002	STORET_21FLCOLL_ROOKERY2	1989-04-11	555.47
4187306	5002	STORET_21FLCOLL_ROOKERY2	1989-04-11	69.50
4189496	5002	STORET_21FLEECO_PI-11	1998-07-16	6.99

**Programs containing flagged data:**

3 - Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Ship-board Surveys

5002 - Florida STORET / WIN

## Nitrate (N)

Table 23: Flagged Values - High Indicator Quantile: **0.81951**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4321957	5002	STORET_21FLEECO_PI-03	2013-07-22	1.90
4331326	5002	STORET_21FLMANA_FC1	2007-01-10	0.96
4331603	5002	STORET_21FLMANA_FC1	2007-12-19	1.15
4331604	5002	STORET_21FLMANA_FC1	2008-01-24	1.50
4331606	5002	STORET_21FLMANA_FC1	2008-04-02	1.10
4331056	5002	STORET_21FLMANA_FC1	2009-12-15	0.83
4331057	5002	STORET_21FLMANA_FC1	2010-01-06	0.83
4331289	5002	STORET_21FLMANA_FC1	2011-01-19	1.70
4363495	5002	STORET_21FLSUW_JEF64991	1999-06-04	0.95
4363496	5002	STORET_21FLSUW_STR010C1	1999-07-06	1.00
4363500	5002	STORET_21FLSUW_SUW275C1	1990-05-15	0.86
4363519	5002	STORET_21FLSUW_SUW305C1	1990-05-15	0.82
4363534	5002	STORET_21FLSUW_SUW410C1	1990-05-15	0.84
4375330	5002	STORET_21FLWQSP_APALACH2	2013-04-03	5.00
4375331	5002	STORET_21FLWQSP_IRSL1	2013-03-28	2.50
4375332	5002	STORET_21FLWQSP_IRSL2	2013-03-28	2.50
4375333	5002	STORET_21FLWQSP_ML1	2013-04-03	5.00
4375334	5002	STORET_21FLWQSP_WACASAS1	2013-04-02	2.50

### Programs containing flagged data:

5002 - Florida STORET / WIN

## Nitrite (N)

Table 24: Flagged Values - High Indicator Quantile: **0.0819**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
5051101	4054	WIN_21FLWQA_GTMPINUT	2015-09-08 08:40:00	0.19
5229898	4054	WIN_21FLWQA_GTMPINUT	2015-09-08 08:45:00	0.19
5051100	4054	WIN_21FLWQA_GTMPINUT	2018-09-05 07:26:00	0.09
5229897	4054	WIN_21FLWQA_GTMPINUT	2018-09-05 07:30:00	0.10
5051099	4054	WIN_21FLWQA_GTMPINUT	2020-08-18 12:15:00	0.11
5229896	4054	WIN_21FLWQA_GTMPINUT	2020-08-18 12:17:00	0.11
5229900	4054	WIN_21FLWQA_GTMPINUT	2020-09-15 10:34:00	0.08
4379585	5002	STORET_21FLEECO_48-10GR	1992-07-17 00:00:00	0.12
4269671	5002	STORET_21FLEECO_CH-AD50572	2017-08-29 00:00:00	0.14
4269676	5002	STORET_21FLEECO_CH-AD50580	2017-08-29 00:00:00	0.13
4269677	5002	STORET_21FLEECO_CH-AD52976	2017-09-25 00:00:00	0.20
4269679	5002	STORET_21FLEECO_CH-AD52978	2017-09-25 00:00:00	0.20
4269680	5002	STORET_21FLEECO_CH-AD52979	2017-09-25 00:00:00	0.14
4269681	5002	STORET_21FLEECO_CH-AD52980	2017-09-25 00:00:00	0.18
4269682	5002	STORET_21FLEECO_CH-AD52981	2017-09-25 00:00:00	0.16
4269683	5002	STORET_21FLEECO_CH-AD52982	2017-09-25 00:00:00	0.10
4290308	5002	STORET_21FLSFWM_HR1	2008-09-22 00:00:00	0.15
4290679	5002	STORET_21FLSFWM_HR1	2011-09-19 00:00:00	0.16
4290703	5002	STORET_21FLSFWM_HR1	2014-10-13 00:00:00	0.09
4292678	5002	STORET_21FLSUW_SUW305C1	1991-05-14 00:00:00	0.34
5438066	5002	WIN_21FLSFWM_9552	2022-12-13 09:36:00	0.09
5466403	5033	WIN_21FLCRCP_BAK030	2018-04-04 12:55:00	0.09
5466602	5033	WIN_21FLCRCP_PEV050	2020-11-12 07:35:00	0.09
5371383	5033	WIN_21FLCRCP_PEV050	2020-12-02 10:15:00	0.13

### Programs containing flagged data:

*4054* - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program

*5002* - Florida STORET / WIN

*5033* - Southeast Florida Water Quality Assessment Survey

## Nitrogen, organic

Table 25: Flagged Values - High Indicator Quantile: **2.7**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4319593	5002	STORET_21FLHILL_046	2000-09-05	2.87
4338994	5002	STORET_21FLHILL_136	2000-07-19	3.94
4339018	5002	STORET_21FLHILL_136	2003-08-13	4.00
4338447	5002	STORET_21FLHILL_136	2009-11-09	2.76
4351569	5002	STORET_21FLLOX_62	2005-05-10	3.93
4352140	5002	STORET_21FLLOX_62	2005-09-21	3.06
4352163	5002	STORET_21FLLOX_62	2005-11-16	2.71

### Programs containing flagged data:

5002 - Florida STORET / WIN

## NO2+3 Filtered

Table 26: Flagged Values - High Indicator Quantile: **3.30034**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4480280	3	1038B	2019-09-24	12.71
4450961	3	1194B	2015-04-14	8.55
2030036	3	12026A	2005-07-11	16.00
2029783	3	12033A	2008-09-15	3.40
2030081	3	12036A	2007-02-12	6.40
2029657	3	12039A	2010-02-09	8.34
2029579	3	12042A	2005-08-31	16.00
2030010	3	12060A	2005-06-14	14.40
2029839	3	12063A	2006-08-09	5.30
4461368	3	12301B	2009-04-20	3.51
4453187	3	12304B	2019-09-23	4.02
4462815	3	12333B	2010-03-08	5.45
4473840	3	12357B	2011-04-04	7.31
2029854	3	12379A	2012-06-12	9.90
2029841	3	12383A	2006-08-09	25.80
2029785	3	12395A	2008-09-15	4.50
2030038	3	12396A	2005-07-11	4.94
2030083	3	12400A	2007-02-12	16.30
2029749	3	12402A	2012-02-22	4.07
2029557	3	12406A	2007-10-17	8.90
2029706	3	12408A	2010-05-03	5.28
2030080	3	12415A	2009-09-01	4.53
2029921	3	12416A	2006-09-13	19.00
2029848	3	12424A	2010-10-20	3.92
2029801	3	12426A	2010-08-24	4.40
2030012	3	12431A	2005-06-14	11.00
2030094	3	12434A	2005-08-17	7.40
2029888	3	12438A	2002-07-16	9.19
2029810	3	12444A	2003-06-16	3.95
2029581	3	12446A	2005-08-31	12.80
2030045	3	12462A	2004-09-14	4.50
2029542	3	12467A	2007-07-10	5.50
2029659	3	12482A	2010-02-09	8.85
2029624	3	12529A	2005-11-09	4.00
2029784	3	12598A	2008-09-15	6.00
2029853	3	12604A	2012-06-12	4.75
2029658	3	12605A	2010-02-09	7.45
2029847	3	12609A	2010-10-20	4.72
2030082	3	12611A	2007-02-12	12.80
2030011	3	12613A	2005-06-14	3.99
2029538	3	12619A	2004-11-16	13.90
2029966	3	12628A	2003-09-29	7.19
2029623	3	12631A	2005-11-09	5.40
2029920	3	12633A	2006-09-13	17.50
2030019	3	12639A	2006-11-01	4.20
2029840	3	12643A	2006-08-09	7.50
2030037	3	12647A	2005-07-11	4.14
2030044	3	12651A	2004-09-14	6.00



RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2029887	3	12654A	2002-07-16	6.99
2030079	3	12655A	2009-09-01	8.61
2029809	3	12657A	2003-06-16	6.12
2029580	3	12665A	2005-08-31	20.30
2030113	3	12666A	2003-11-18	12.05
2030087	3	12771A	2007-05-16	5.60
2029544	3	12772A	2011-10-26	5.07
2030136	3	12779A	2009-11-03	11.57
2030164	3	12783A	2005-08-31	15.40
2030068	3	12818A	2007-02-12	12.30
2029618	3	12831A	2010-02-09	8.56
2030064	3	12841A	2005-07-11	3.82
4450960	3	1297B	2015-04-14	8.86
4454192	3	14237B	2021-08-01	5.17
4454187	3	14259B	2021-08-01	6.32
4454184	3	14318B	2021-08-01	4.40
4454182	3	14322B	2021-08-01	6.75
4454193	3	14341B	2021-08-01	4.28
4454178	3	14424B	2021-08-01	5.50
4454176	3	14439B	2021-07-31	5.20
4454179	3	14448B	2021-08-01	3.83
4454175	3	14455B	2021-07-31	5.29
4454171	3	14490B	2021-07-31	3.40
4454173	3	14548B	2021-07-31	4.73
4454170	3	14556B	2021-07-31	5.47
4480277	3	1530B	2019-09-24	3.66
4450959	3	1547B	2015-04-14	8.92
4454196	3	15593B	2021-08-03	4.61
4461377	3	1846B	2009-04-21	4.35
4450987	3	2013B	2015-06-02	8.64
4450985	3	2355B	2015-06-02	3.79
4450983	3	2420B	2015-06-02	8.21
4450978	3	2949B	2015-06-01	9.18
4480283	3	301B	2019-09-24	3.33
4461386	3	302B	2009-04-21	4.44
2029686	3	4137A	1998-12-09	3.34
4479645	3	424B	2015-07-28	4.53
4450964	3	434B	2015-04-14	8.88
4452910	3	437B	2017-10-10	11.99
4450946	3	4671B	2015-04-13	7.76
4463924	3	5738B	2012-06-04	7.26
2029609	3	6331A	2004-12-17	4.10
2029851	3	6347A	2005-03-09	6.50
2029739	3	6349A	2005-02-09	3.70
2029608	3	6360A	2001-11-27	4.02
2029667	3	6392A	2010-02-10	9.30
2029805	3	6405A	2010-08-25	3.31
2029751	3	6409A	2005-01-20	4.60
2029834	3	6416A	2012-06-13	4.37
2030054	3	6418A	2007-02-13	11.50
2029790	3	6419A	2012-02-23	5.95
2029826	3	6453A	2012-04-19	6.82

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2029763	3	6474A	2004-03-30	9.44
2029697	3	6490A	2011-12-21	5.73
4450943	3	6821B	2015-04-13	7.13
4452909	3	704B	2017-10-10	14.60
2029655	3	9475A	2010-02-09	8.81
2030070	3	9477A	2007-02-12	7.40
2030166	3	9509A	2005-08-31	7.00
2030076	3	9520A	2009-09-01	7.23
2029859	3	9542A	2012-06-12	4.45
2030167	3	9555A	2005-08-31	9.60
2030071	3	9585A	2007-02-12	7.20
4453512	3	9604B	2019-11-18	4.08
2029535	3	9630A	2004-11-16	4.50
2030107	3	9641A	2003-11-18	9.66
2030088	3	9675A	2007-05-16	7.20
2030165	3	9684A	2005-08-31	4.60
2029617	3	9697A	2005-11-09	6.20
2029619	3	9698A	2010-02-09	7.49
2030115	3	9739A	2003-11-18	14.99
2029738	3	9740A	2010-07-07	21.03
2029661	3	9744A	2007-10-17	10.70
2029599	3	9745A	2004-12-14	4.60
2029849	3	9748A	2010-10-20	3.57
2029582	3	9765A	2005-08-31	3.50
2029660	3	9767A	2010-02-09	7.53
4450962	3	978B	2015-04-14	7.63
2010784	476	STORET_CHV006	2009-07-06	300.00
4158561	5002	STORET_21FLNWFD_S570	2001-02-27	33.00
4168864	5002	STORET_21FLSUW_AUC050C1	2008-02-27	4.19

**Programs containing flagged data:**

*3* - Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Ship-board Surveys

*476* - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network

*5002* - Florida STORET / WIN

## PO4 Filtered

Table 27: Flagged Values - High Indicator Quantile: **0.77963**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
2030688	3	12415A	2009-09-01 00:00:00	1.04
4481034	3	14025B	2009-08-26 00:00:00	1.57
4484898	3	14046B	2004-10-19 00:00:00	2.20
4455913	3	15295B	2021-08-02 00:00:00	1.77
4479710	3	1817B	1999-08-04 00:00:00	2.50
4479708	3	2067B	1999-08-04 00:00:00	1.60
4481669	3	2354B	2015-07-28 00:00:00	0.92
4483650	3	437B	2017-10-10 00:00:00	0.81
4479995	3	609B	2000-04-18 00:00:00	0.84
2030661	3	6438A	2009-09-02 00:00:00	0.83
4483649	3	704B	2017-10-10 00:00:00	1.01
2030272	3	9506A	2006-01-23 00:00:00	0.94
2030685	3	9532A	2009-09-01 00:00:00	0.95
2030273	3	9569A	2006-01-23 00:00:00	1.10
2030321	3	9582A	2006-05-03 00:00:00	2.00
5132133	355	apacpnut	2018-10-23 08:37:00	9.00
4949641	355	apacpnut	2019-03-25 10:35:00	6.60
4949221	355	apadbnut	2019-03-25 14:18:00	6.20
4948353	355	apaebnut	2018-10-23 08:02:00	19.00
4948308	355	apaebnut	2019-03-25 08:55:00	8.20
4940936	355	apaesnut	2018-10-23 08:00:00	20.00
4940986	355	apaesnut	2019-03-25 08:53:00	7.60
2016309	513	STORET_CHNEPLLB-85	2003-06-24 00:00:00	3.07
2016348	513	STORET_CHNEPTMR-22	2003-08-05 00:00:00	1.58
4233146	5002	STORET_21FLA_G4NE0002	2016-06-02 00:00:00	4.50
4234556	5002	STORET_21FLBREV_MR03	2000-10-25 00:00:00	20.00
4358086	5002	STORET_21FLBREV_MR03	2002-08-28 00:00:00	20.00
4234718	5002	STORET_21FLBREV_MR03	2005-04-13 00:00:00	0.89
4249682	5002	STORET_21FLMANA_FC1	2009-08-19 00:00:00	0.92
4249683	5002	STORET_21FLMANA_FC1	2009-09-29 00:00:00	0.80
4249098	5002	STORET_21FLMANA_FC1	2010-05-11 00:00:00	2.12
4249099	5002	STORET_21FLMANA_FC1	2010-06-29 00:00:00	0.82
4249122	5002	STORET_21FLMANA_FC1	2012-06-12 00:00:00	0.91
4249130	5002	STORET_21FLMANA_FC1	2013-02-13 00:00:00	1.05
4249342	5002	STORET_21FLMANA_FC1	2015-02-03 00:00:00	0.79
4249344	5002	STORET_21FLMANA_FC1	2015-05-07 00:00:00	0.78
4249347	5002	STORET_21FLMANA_FC1	2015-08-04 00:00:00	0.78
4297626	5002	STORET_21FLPDEM_W4-D-10-07	2010-10-19 00:00:00	3.40
4279249	5002	STORET_21FLSFWM_HR1	2004-09-20 00:00:00	0.88
4274999	5002	STORET_21FLSUW_SRE040C1	1996-05-16 00:00:00	0.96
4275479	5002	STORET_21FLSUW_SRE050C1	1996-05-16 00:00:00	0.82
4276363	5002	STORET_21FLSUW_SRE070C1	1996-05-16 00:00:00	0.92
4276850	5002	STORET_21FLSUW_SRE080C1	1996-05-16 00:00:00	1.00
4299948	5002	STORET_FLPRMRWS_PR10	2001-09-26 00:00:00	0.82
4299238	5002	STORET_FLPRMRWS_PR10	2004-08-25 00:00:00	0.96
4299239	5002	STORET_FLPRMRWS_PR10	2004-08-25 00:00:00	1.25
4299227	5002	STORET_FLPRMRWS_PR10	2004-09-23 00:00:00	0.84
4299228	5002	STORET_FLPRMRWS_PR10	2004-09-23 00:00:00	0.96

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4299108	5002	STORET_FLPRMRWS_PR10	2004-10-21 00:00:00	1.11
4299109	5002	STORET_FLPRMRWS_PR10	2004-10-21 00:00:00	1.30
4299105	5002	STORET_FLPRMRWS_PR10	2006-09-21 00:00:00	1.01
4300083	5002	STORET_FLPRMRWS_PR101_0904	2004-09-08 00:00:00	0.79
4300440	5002	STORET_FLPRMRWS_PR103_1104	2004-11-10 00:00:00	0.86
4300442	5002	STORET_FLPRMRWS_PR103_1204	2004-12-08 00:00:00	0.79
4302347	5002	STORET_FLPRMRWS_PR9	2007-07-30 00:00:00	0.93
4302348	5002	STORET_FLPRMRWS_PR9	2007-07-30 00:00:00	0.94

**Programs containing flagged data:**

*3* - Atlantic Oceanographic and Meteorological Laboratory (AOML) South Florida Program Synoptic Ship-board Surveys

*355* - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program

*513* - Coastal Charlotte Harbor Monitoring Network

*5002* - Florida STORET / WIN

## Total Kjeldahl Nitrogen TKN

Table 28: Flagged Values - High Indicator Quantile: **5.39975**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4659839	303	WIN_21FLSCCF_CLEW12	2022-06-06 15:32:00	6.70
4659914	303	WIN_21FLSCCF_GS01	2022-06-01 14:45:00	12.80
4788522	303	WIN_21FLSCCF_GS02	2022-06-01 14:32:00	19.90
2016381	513	STORET_CHNEPTMR-41	2005-04-12 00:00:00	10.10
4090305	5002	STORET_21FLCOLL_BLACKW	1989-06-26 00:00:00	893.00
4090306	5002	STORET_21FLCOLL_BLACKW	1990-04-17 00:00:00	712.00
4090307	5002	STORET_21FLCOLL_BLACKW	1991-04-09 00:00:00	280.00
4090316	5002	STORET_21FLCOLL_BLACKW13	1995-05-01 00:00:00	6600.00
4090317	5002	STORET_21FLCOLL_CC059	2014-07-02 00:00:00	1540.00
4090662	5002	STORET_21FLCOLL_EMARCOBY	1995-05-03 00:00:00	5.40
4090667	5002	STORET_21FLCOLL_FAKAUCAN	1989-06-26 00:00:00	379.00
4090668	5002	STORET_21FLCOLL_FAKAUCAN	1990-04-17 00:00:00	155.00
4090669	5002	STORET_21FLCOLL_FAKAUCAN	1991-04-08 00:00:00	155.00
4090670	5002	STORET_21FLCOLL_FAKAUCAN	1995-05-01 00:00:00	610.00
4090765	5002	STORET_21FLCOLL_GOODBAY	1989-06-27 00:00:00	518.00
4090766	5002	STORET_21FLCOLL_GOODBAY	1990-04-19 00:00:00	639.00
4090767	5002	STORET_21FLCOLL_GOODBAY	1991-04-21 00:00:00	1425.00
4090775	5002	STORET_21FLCOLL_GULLIVAN	1995-05-02 00:00:00	6.20
4090779	5002	STORET_21FLCOLL_HCKEST	1989-06-27 00:00:00	784.00
4090780	5002	STORET_21FLCOLL_HCKEST	1990-04-18 00:00:00	375.00
4090781	5002	STORET_21FLCOLL_HCKEST	1991-04-26 00:00:00	180.00
4090922	5002	STORET_21FLCOLL_HNDRCRK	1995-05-04 00:00:00	15.00
4090925	5002	STORET_21FLCOLL_LKMRCOSH	1995-05-04 00:00:00	16.00
4090931	5002	STORET_21FLCOLL_MARCPAS	1990-04-19 00:00:00	528.00
4090932	5002	STORET_21FLCOLL_MARCPAS	1991-04-25 00:00:00	275.00
4090938	5002	STORET_21FLCOLL_PORTAUPR	1995-05-04 00:00:00	7.70
4090943	5002	STORET_21FLCOLL_ROOKERY2	1989-06-27 00:00:00	76.00
4090944	5002	STORET_21FLCOLL_ROOKERY2	1990-04-18 00:00:00	444.00
4090945	5002	STORET_21FLCOLL_ROOKERY2	1991-04-25 00:00:00	195.00
4104633	5002	STORET_21FLEECO_48-10GR	1996-07-22 00:00:00	9.30
4108482	5002	STORET_21FLEECO_AC48993	2009-09-28 00:00:00	10.00
4103821	5002	STORET_21FLEECO_PI-13	1996-11-05 00:00:00	11.12
4110468	5002	STORET_21FLGW_22550	2004-10-20 00:00:00	30000.00
4110469	5002	STORET_21FLGW_22551	2004-10-21 00:00:00	24000.00
4110472	5002	STORET_21FLGW_22556	2004-10-21 00:00:00	2400.00
4110474	5002	STORET_21FLGW_22559	2004-10-20 00:00:00	28000.00
4110476	5002	STORET_21FLGW_22560	2004-10-20 00:00:00	22000.00
4110478	5002	STORET_21FLGW_22565	2004-10-21 00:00:00	6800.00
4110480	5002	STORET_21FLGW_22567	2004-10-20 00:00:00	16000.00
4110482	5002	STORET_21FLGW_22568	2004-10-20 00:00:00	1500.00
4110484	5002	STORET_21FLGW_22573	2004-10-21 00:00:00	1800.00
4110486	5002	STORET_21FLGW_22575	2004-10-21 00:00:00	7200.00
4110488	5002	STORET_21FLGW_22576	2004-10-21 00:00:00	2400.00
4110490	5002	STORET_21FLGW_22579	2004-10-20 00:00:00	24000.00
4112191	5002	STORET_21FLGW_34960	2008-07-30 00:00:00	29000.00
4098596	5002	STORET_21FLGW_35622	2008-11-17 00:00:00	10000.00
4098598	5002	STORET_21FLGW_35628	2008-12-04 00:00:00	1700.00
4098749	5002	STORET_21FLGW_35629	2008-12-04 00:00:00	13000.00

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4098750	5002	STORET_21FLGW_35631	2008-12-04 00:00:00	860.00
4098753	5002	STORET_21FLGW_35633	2008-12-04 00:00:00	11000.00
4098754	5002	STORET_21FLGW_35634	2008-12-04 00:00:00	1300.00
4098757	5002	STORET_21FLGW_35637	2008-12-04 00:00:00	1600.00
4099683	5002	STORET_21FLGW_35641	2008-12-22 00:00:00	720.00
4099685	5002	STORET_21FLGW_35642	2008-12-22 00:00:00	710.00
4099687	5002	STORET_21FLGW_35643	2008-12-16 00:00:00	22000.00
4099690	5002	STORET_21FLGW_35646	2008-12-22 00:00:00	3200.00
4099693	5002	STORET_21FLGW_35648	2008-12-22 00:00:00	1800.00
4100345	5002	STORET_21FLGW_38925	2010-06-08 00:00:00	26000.00
4100354	5002	STORET_21FLGW_39475	2010-12-09 00:00:00	35000.00
4100358	5002	STORET_21FLGW_39727	2011-01-12 00:00:00	21000.00
4100366	5002	STORET_21FLGW_40724	2011-07-12 00:00:00	27000.00
4100624	5002	STORET_21FLGW_41629	2012-05-15 00:00:00	16000.00
4100818	5002	STORET_21FLGW_42534	2012-10-02 00:00:00	23000.00
4100871	5002	STORET_21FLGW_45445	2014-04-09 00:00:00	27000.00
4100888	5002	STORET_21FLGW_48193	2015-10-28 00:00:00	7300.00
4131861	5002	STORET_21FLMANA_BH1	2001-11-08 00:00:00	20.08
4131862	5002	STORET_21FLMANA_BH1	2001-11-13 00:00:00	6.39
4136102	5002	STORET_21FLMANA_FC1	2013-02-13 00:00:00	6.37
4106532	5002	STORET_21FLPDEM_SA 26-08	2002-07-10 00:00:00	5.48
4107508	5002	STORET_21FLPDEM_SA-A-09-02	2009-04-02 00:00:00	6.50
4108024	5002	STORET_21FLPDEM_SA-B-09-02	2009-04-02 00:00:00	6.17
4108564	5002	STORET_21FLPDEM_SB 26-02	2000-06-28 00:00:00	5.90
4108547	5002	STORET_21FLPDEM_SB 26-02	2002-07-10 00:00:00	5.63
4109526	5002	STORET_21FLPDEM_SB 26-1B	2000-05-31 00:00:00	5.50
4108796	5002	STORET_21FLPDEM_SB 26-1B	2006-05-10 00:00:00	6.39
4108797	5002	STORET_21FLPDEM_SB 26-1B	2006-07-10 00:00:00	6.83
4108798	5002	STORET_21FLPDEM_SB 26-1B	2006-08-07 00:00:00	5.45
4109743	5002	STORET_21FLPDEM_SB 26-5B	2000-05-31 00:00:00	5.54
4109744	5002	STORET_21FLPDEM_SB 26-5B	2000-06-28 00:00:00	7.60
4109560	5002	STORET_21FLPDEM_SB 26-5B	2002-07-10 00:00:00	5.46
4109997	5002	STORET_21FLPDEM_SB-A-09-03	2009-05-21 00:00:00	5.44
4117070	5002	STORET_21FLSJWM_GAR	2010-09-22 00:00:00	13.33
4157039	5002	STORET_21FLSUW_SUW275C1	1994-12-08 00:00:00	5.90
4135800	5002	STORET_21FLTPA_24010113	2005-10-31 00:00:00	39.00
4147563	5002	STORET_FLPRMRWS_PR9	2003-09-23 00:00:00	5.45
5316669	5002	WIN_21FLCOBS_CBS 25	2022-06-14 11:10:00	57.90
5436410	5014	WIN_21FLGTM_GTMGL1NUT	2021-06-07 12:13:00	12.60
5339839	5014	WIN_21FLGTM_GTMGL2NUT	2020-03-09 12:45:00	6.75
5340654	5014	WIN_21FLGTM_GTMKNUT	2020-08-17 13:45:00	5.90

**Programs containing flagged data:**

303 - River, Estuary and Coastal Observing Network

513 - Coastal Charlotte Harbor Monitoring Network

5002 - Florida STORET / WIN

5014 - Guana River and Guana Lake Water Quality Monitoring

## Total Nitrogen

Table 29: Flagged Values - High Indicator Quantile: **4.24886**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4659452	303	WIN_21FLSCCF_CLEW12	2022-06-06 15:32:00	6.70
4788395	303	WIN_21FLSCCF_GS01	2022-06-01 14:45:00	12.80
4788420	303	WIN_21FLSCCF_GS02	2022-06-01 14:32:00	19.90
5551111	476	STORET_CHV006	2009-07-06 00:00:00	302.30
4693092	479	20941	2007-03-20 11:00:00	1000.00
4982701	479	670089	2008-10-08 10:33:00	4.44
2016382	513	STORET_CHNEPTMR-41	2005-04-12 00:00:00	10.10
2016405	513	STORET_CHNEPTMR-42	2005-07-05 00:00:00	4.44
5647509	4058	74-2018-01-01	2020-05-27 10:06:00	4.90
5572162	5002	STORET_21FLBREV_BRMIC06	2006-03-30 00:00:00	4.40
5587709	5002	STORET_21FLCOLL_CC059	2014-07-02 00:00:00	1540.44
4072196	5002	STORET_21FLEECO_48-10GR	1996-07-22 00:00:00	9.43
4061104	5002	STORET_21FLEECO_AC48993	2009-09-28 00:00:00	10.00
4061397	5002	STORET_21FLEECO_AC73810	2011-08-08 00:00:00	5.10
4063579	5002	STORET_21FLEECO_EB-01	1991-12-02 00:00:00	4.69
4086879	5002	STORET_21FLEECO_PI-13	1996-11-05 00:00:00	11.12
4086891	5002	STORET_21FLEECO_PI-13	2001-02-13 00:00:00	4.34
5576842	5002	STORET_21FLGW_10372	2001-07-18 00:00:00	4.80
4092114	5002	STORET_21FLKWAT_PIN-SEMINOLE-1	2004-12-18 00:00:00	5.42
4092119	5002	STORET_21FLKWAT_PIN-SEMINOLE-2	2005-05-14 00:00:00	6.03
5551271	5002	STORET_21FLMANA_FC1	2013-02-13 00:00:00	6.40
5580723	5002	STORET_21FLNWFD_A10	2001-02-21 00:00:00	4.30
5559206	5002	STORET_21FLPDEM_SA 26-08	1999-06-02 00:00:00	4.46
5576020	5002	STORET_21FLPDEM_SA 26-08	2000-05-03 00:00:00	4.31
5566461	5002	STORET_21FLPDEM_SA 26-08	2000-05-31 00:00:00	4.43
5550510	5002	STORET_21FLPDEM_SA 26-08	2000-06-28 00:00:00	5.11
5559207	5002	STORET_21FLPDEM_SA 26-08	2001-03-07 00:00:00	4.44
5557517	5002	STORET_21FLPDEM_SA 26-08	2002-02-06 00:00:00	4.42
5577549	5002	STORET_21FLPDEM_SA 26-08	2002-03-05 00:00:00	4.84
5577548	5002	STORET_21FLPDEM_SA 26-08	2002-04-03 00:00:00	4.40
5567983	5002	STORET_21FLPDEM_SA 26-08	2002-05-29 00:00:00	4.31
5573251	5002	STORET_21FLPDEM_SA 26-08	2002-06-26 00:00:00	4.60
5553808	5002	STORET_21FLPDEM_SA 26-08	2002-07-10 00:00:00	5.50
5573250	5002	STORET_21FLPDEM_SA 26-08	2002-08-21 00:00:00	4.40
5559210	5002	STORET_21FLPDEM_SA 26-10	1999-06-02 00:00:00	4.27
5586064	5002	STORET_21FLPDEM_SA 26-10	2000-05-03 00:00:00	4.26
5570840	5002	STORET_21FLPDEM_SA 26-10	2000-05-31 00:00:00	4.63
5586065	5002	STORET_21FLPDEM_SA 26-10	2000-06-28 00:00:00	4.41
5583002	5002	STORET_21FLPDEM_SA 26-10	2002-02-06 00:00:00	4.61
5577550	5002	STORET_21FLPDEM_SA 26-10	2002-03-05 00:00:00	4.43
5573252	5002	STORET_21FLPDEM_SA 26-10	2002-05-29 00:00:00	4.38
5588520	5002	STORET_21FLPDEM_SA 26-10	2002-06-26 00:00:00	4.44
5567987	5002	STORET_21FLPDEM_SA 26-10	2002-08-21 00:00:00	4.33
5550518	5002	STORET_21FLPDEM_SA 26-9B	2000-05-31 00:00:00	4.40
5559215	5002	STORET_21FLPDEM_SA 26-9B	2000-06-28 00:00:00	5.10
5552036	5002	STORET_21FLPDEM_SA 26-9B	2001-03-07 00:00:00	4.43
5583004	5002	STORET_21FLPDEM_SA 26-9B	2002-02-06 00:00:00	4.26
5562682	5002	STORET_21FLPDEM_SA 26-9B	2002-03-05 00:00:00	5.00

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
5562690	5002	STORET_21FLPDEM_SA 26-9B	2002-05-29 00:00:00	4.40
5553819	5002	STORET_21FLPDEM_SA 26-9B	2002-06-26 00:00:00	4.53
5577553	5002	STORET_21FLPDEM_SA 26-9B	2002-07-10 00:00:00	5.15
5588530	5002	STORET_21FLPDEM_SA 26-9B	2002-08-21 00:00:00	4.50
5550521	5002	STORET_21FLPDEM_SA-A-05-08	2005-10-19 00:00:00	4.59
5581492	5002	STORET_21FLPDEM_SA-A-09-02	2009-04-02 00:00:00	6.52
5566479	5002	STORET_21FLPDEM_SA-A-12-03	2012-05-21 00:00:00	4.59
5552048	5002	STORET_21FLPDEM_SA-B-05-08	2005-10-19 00:00:00	4.72
5550534	5002	STORET_21FLPDEM_SA-B-09-02	2009-04-02 00:00:00	6.19
5570864	5002	STORET_21FLPDEM_SA-B-12-03	2012-05-21 00:00:00	4.25
5550544	5002	STORET_21FLPDEM_SB 26-02	1999-03-10 00:00:00	4.30
5577575	5002	STORET_21FLPDEM_SB 26-02	2000-05-03 00:00:00	4.50
5570871	5002	STORET_21FLPDEM_SB 26-02	2000-05-31 00:00:00	5.09
5586095	5002	STORET_21FLPDEM_SB 26-02	2000-06-28 00:00:00	5.91
5576050	5002	STORET_21FLPDEM_SB 26-02	2001-03-07 00:00:00	4.28
5581511	5002	STORET_21FLPDEM_SB 26-02	2001-05-02 00:00:00	4.36
5553832	5002	STORET_21FLPDEM_SB 26-02	2002-03-05 00:00:00	4.47
5557538	5002	STORET_21FLPDEM_SB 26-02	2002-05-01 00:00:00	4.36
5562707	5002	STORET_21FLPDEM_SB 26-02	2002-05-29 00:00:00	5.04
5557540	5002	STORET_21FLPDEM_SB 26-02	2002-06-26 00:00:00	5.22
5588542	5002	STORET_21FLPDEM_SB 26-02	2002-07-10 00:00:00	5.65
5553833	5002	STORET_21FLPDEM_SB 26-02	2002-08-21 00:00:00	4.54
5581514	5002	STORET_21FLPDEM_SB 26-06	1999-03-10 00:00:00	4.33
5550548	5002	STORET_21FLPDEM_SB 26-06	2000-05-31 00:00:00	4.98
5566497	5002	STORET_21FLPDEM_SB 26-06	2000-06-28 00:00:00	5.01
5570876	5002	STORET_21FLPDEM_SB 26-06	2001-05-30 00:00:00	4.54
5577576	5002	STORET_21FLPDEM_SB 26-06	2002-05-01 00:00:00	4.86
5553835	5002	STORET_21FLPDEM_SB 26-06	2002-05-29 00:00:00	4.50
5568004	5002	STORET_21FLPDEM_SB 26-06	2002-06-26 00:00:00	4.83
5573281	5002	STORET_21FLPDEM_SB 26-06	2002-07-10 00:00:00	5.25
5559250	5002	STORET_21FLPDEM_SB 26-1B	1999-04-07 00:00:00	4.39
5581516	5002	STORET_21FLPDEM_SB 26-1B	1999-05-12 00:00:00	4.36
5566502	5002	STORET_21FLPDEM_SB 26-1B	2000-05-03 00:00:00	4.27
5552086	5002	STORET_21FLPDEM_SB 26-1B	2000-05-31 00:00:00	5.52
5576060	5002	STORET_21FLPDEM_SB 26-1B	2001-03-07 00:00:00	4.47
5577577	5002	STORET_21FLPDEM_SB 26-1B	2002-03-05 00:00:00	4.26
5568005	5002	STORET_21FLPDEM_SB 26-1B	2002-05-01 00:00:00	4.85
5573285	5002	STORET_21FLPDEM_SB 26-1B	2002-05-29 00:00:00	4.52
5588546	5002	STORET_21FLPDEM_SB 26-1B	2002-06-26 00:00:00	5.16
5583030	5002	STORET_21FLPDEM_SB 26-1B	2002-07-10 00:00:00	5.23
5568007	5002	STORET_21FLPDEM_SB 26-1B	2002-08-21 00:00:00	4.37
5570878	5002	STORET_21FLPDEM_SB 26-1B	2006-05-10 00:00:00	6.41
5586104	5002	STORET_21FLPDEM_SB 26-1B	2006-07-10 00:00:00	6.85
5570879	5002	STORET_21FLPDEM_SB 26-1B	2006-08-07 00:00:00	5.47
5559255	5002	STORET_21FLPDEM_SB 26-5B	1999-04-07 00:00:00	4.50
5586109	5002	STORET_21FLPDEM_SB 26-5B	1999-05-12 00:00:00	4.35
5566503	5002	STORET_21FLPDEM_SB 26-5B	1999-06-02 00:00:00	4.97
5586111	5002	STORET_21FLPDEM_SB 26-5B	2000-05-03 00:00:00	4.50
5570885	5002	STORET_21FLPDEM_SB 26-5B	2000-05-31 00:00:00	5.56
5552091	5002	STORET_21FLPDEM_SB 26-5B	2000-06-28 00:00:00	7.61
5581525	5002	STORET_21FLPDEM_SB 26-5B	2001-05-02 00:00:00	4.77
5576065	5002	STORET_21FLPDEM_SB 26-5B	2001-05-30 00:00:00	5.04



RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
5557565	5002	STORET_21FLPDEM_SB 26-5B	2002-05-01 00:00:00	5.09
5588570	5002	STORET_21FLPDEM_SB 26-5B	2002-05-29 00:00:00	4.53
5573306	5002	STORET_21FLPDEM_SB 26-5B	2002-06-26 00:00:00	4.93
5577603	5002	STORET_21FLPDEM_SB 26-5B	2002-07-10 00:00:00	5.48
5553860	5002	STORET_21FLPDEM_SB 26-5B	2002-08-21 00:00:00	4.46
5570892	5002	STORET_21FLPDEM_SB-A-09-02	2009-04-02 00:00:00	4.95
5586119	5002	STORET_21FLPDEM_SB-A-09-04	2009-06-25 00:00:00	4.37
5559257	5002	STORET_21FLPDEM_SB-A-12-03	2012-05-21 00:00:00	4.30
5566517	5002	STORET_21FLPDEM_SB-B-05-08	2005-10-19 00:00:00	4.42
5581540	5002	STORET_21FLPDEM_SB-B-09-02	2009-04-02 00:00:00	5.37
5581541	5002	STORET_21FLPDEM_SB-B-09-04	2009-06-25 00:00:00	4.39
5583693	5002	STORET_21FLSJWM_ICWWSJRN	2007-03-21 00:00:00	5.14
5583694	5002	STORET_21FLSJWM_ICWWSJRN	2007-03-21 00:00:00	4.56
5582691	5002	STORET_21FLSUW_AUC050C1	2008-02-27 00:00:00	6.36
5583522	5002	STORET_21FLTPA_24010113	2005-10-31 00:00:00	39.01
5558037	5002	STORET_21FLTPA_24040131	2009-06-22 00:00:00	4.31
5549864	5002	STORET_21FLTPA_275007824641	2009-06-22 00:00:00	5.00
5589119	5002	STORET_21FLTPA_275054824656	2009-06-22 00:00:00	4.41
5565833	5002	STORET_21FLTPA_275200824646	2009-06-22 00:00:00	4.50
5573151	5002	STORET_FLPRMRWS_PR9	2003-09-23 00:00:00	5.53
5574872	5002	WIN_21FLCOBS_CBS 25	2022-06-14 11:10:00	57.94
5584864	5002	WIN_21FLSJWM_442663	2021-08-25 10:55:00	5.22
5574852	5014	WIN_21FLGTM_GTMGL1NUT	2021-06-07 12:13:00	12.60
5584617	5014	WIN_21FLGTM_GTMMKNUT	2020-08-17 13:45:00	5.90

**Programs containing flagged data:**

303 - River, Estuary and Coastal Observing Network  
 476 - Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network  
 479 - Southwest Florida Water Management District - Water Quality Monitoring  
 513 - Coastal Charlotte Harbor Monitoring Network  
 4058 - City of Miami Beach Water Monitoring  
 5002 - Florida STORET / WIN  
 5014 - Guana River and Guana Lake Water Quality Monitoring

## Total Phosphorus

Table 30: Flagged Values - High Indicator Quantile: **0.75**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4749610	103	11NPSWRD_WQX-GUIS_SCBL	2017-05-17 00:00:00	1.70
4751234	103	21FLHILL_WQX-66	2020-12-07 00:00:00	16.26
4751236	103	21FLHILL_WQX-66	2021-02-09 00:00:00	1.15
4627575	103	21FLSWFD_WQX-670116	2020-12-15 00:00:00	2.78
4618132	103	NARS_WQX-CHA200204	2002-07-15 00:00:00	0.77
4618136	103	NARS_WQX-CHA200206	2002-07-15 00:00:00	0.77
4644697	355	apacpnut	2018-10-23 08:37:00	26.00
4644696	355	apaebnut	2018-10-23 08:02:00	26.00
4644694	355	apaesnut	2018-10-23 08:00:00	12.00
4813025	479	20941	2007-03-20 11:00:00	1000.00
4941800	479	WIN_21FLSWFD_670116	2020-12-15 12:14:00	2.78
2015639	513	STORET_CHNEPCHP-132	2003-12-03 00:00:00	1.26
2016248	513	STORET_CHNEPLLB-531	2003-05-21 00:00:00	1.30
2016383	513	STORET_CHNEPTMR-41	2005-04-12 00:00:00	3.71
2016453	513	STORET_CHNEPTPR-36	2002-12-17 00:00:00	1.79
2016440	513	STORET_CHNEPTPR-36	2003-02-05 00:00:00	1.60
4920578	513	WIN_CHNEPMP_268_220	2021-10-28 09:40:00	1.39
4209588	5002	STORET_21FLA_27010016	2015-11-09 00:00:00	0.80
4212101	5002	STORET_21FLA_27010183	2002-03-05 00:00:00	0.76
4217515	5002	STORET_21FLCEN_27020346	2015-08-11 00:00:00	0.87
4210105	5002	STORET_21FLDADE_CM02	2011-06-07 00:00:00	200.00
4210834	5002	STORET_21FLDADE_OL03	2011-06-06 00:00:00	16415.00
4208045	5002	STORET_21FLGW_9717	2003-10-13 00:00:00	1.10
4221994	5002	STORET_21FLHILL_092	2007-04-24 00:00:00	1.67
4223230	5002	STORET_21FLHILL_112	2007-07-25 00:00:00	1.10
4209355	5002	STORET_21FLMANA_362	2002-03-25 00:00:00	1.97
4209675	5002	STORET_21FLMANA_365	2007-03-28 00:00:00	0.78
4209701	5002	STORET_21FLMANA_386	2017-04-11 00:00:00	0.80
4210290	5002	STORET_21FLMANA_400	2002-05-06 00:00:00	0.90
4210282	5002	STORET_21FLMANA_400	2017-04-11 00:00:00	0.87
4210577	5002	STORET_21FLMANA_408	1996-07-15 00:00:00	1.26
4210733	5002	STORET_21FLMANA_421	2011-12-06 00:00:00	0.76
4210907	5002	STORET_21FLMANA_422	2002-10-08 00:00:00	0.78
4211151	5002	STORET_21FLMANA_425	2008-08-26 00:00:00	1.14
4211128	5002	STORET_21FLMANA_425	2017-04-11 00:00:00	0.89
4214144	5002	STORET_21FLMANA_BH1	2001-10-30 00:00:00	1.57
4214145	5002	STORET_21FLMANA_BH1	2001-11-01 00:00:00	2.93
4214146	5002	STORET_21FLMANA_BH1	2001-11-06 00:00:00	3.05
4214147	5002	STORET_21FLMANA_BH1	2001-11-08 00:00:00	27.58
4214148	5002	STORET_21FLMANA_BH1	2001-11-13 00:00:00	5.08
4214149	5002	STORET_21FLMANA_BH1	2001-11-15 00:00:00	4.24
4214150	5002	STORET_21FLMANA_BH1	2001-11-30 00:00:00	0.92
4214151	5002	STORET_21FLMANA_BH1	2001-12-04 00:00:00	1.10
4214152	5002	STORET_21FLMANA_BH1	2001-12-06 00:00:00	1.39
4214153	5002	STORET_21FLMANA_BH1	2001-12-11 00:00:00	0.92
4214154	5002	STORET_21FLMANA_BH1	2001-12-13 00:00:00	1.55
4214166	5002	STORET_21FLMANA_BH1	2002-03-21 00:00:00	0.76
4214185	5002	STORET_21FLMANA_BH1	2002-08-09 00:00:00	0.76

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4214186	5002	STORET_21FLMANA_BH1	2002-08-12 00:00:00	0.77
4214306	5002	STORET_21FLMANA_BH1	2002-08-29 00:00:00	0.78
4214309	5002	STORET_21FLMANA_BH1	2003-01-02 00:00:00	0.92
4214322	5002	STORET_21FLMANA_BH1	2003-02-18 00:00:00	1.70
4214340	5002	STORET_21FLMANA_BH1	2003-04-10 00:00:00	0.82
4214555	5002	STORET_21FLMANA_BH1	2003-09-19 00:00:00	0.77
4214687	5002	STORET_21FLMANA_BH1	2004-11-03 00:00:00	0.88
4214814	5002	STORET_21FLMANA_BH1A	2003-04-10 00:00:00	0.82
4214901	5002	STORET_21FLMANA_BH2	2001-11-01 00:00:00	2.92
4214902	5002	STORET_21FLMANA_BH2	2001-11-06 00:00:00	1.22
4214903	5002	STORET_21FLMANA_BH2	2001-11-08 00:00:00	1.78
4214950	5002	STORET_21FLMANA_BH2	2001-11-13 00:00:00	1.70
4214951	5002	STORET_21FLMANA_BH2	2001-11-15 00:00:00	0.79
4214954	5002	STORET_21FLMANA_BH2	2001-12-06 00:00:00	0.75
4215462	5002	STORET_21FLMANA_BH3	2001-11-08 00:00:00	1.04
4215463	5002	STORET_21FLMANA_BH3	2001-11-13 00:00:00	0.95
4215473	5002	STORET_21FLMANA_BH3	2002-01-23 00:00:00	0.87
4215487	5002	STORET_21FLMANA_BH3	2002-05-21 00:00:00	1.07
4215557	5002	STORET_21FLMANA_BH3	2002-06-26 00:00:00	1.55
4215585	5002	STORET_21FLMANA_BH3	2003-02-25 00:00:00	0.81
4215685	5002	STORET_21FLMANA_BH3	2003-09-09 00:00:00	1.80
4216263	5002	STORET_21FLMANA_FC1	2006-06-14 00:00:00	0.84
4216266	5002	STORET_21FLMANA_FC1	2006-09-06 00:00:00	0.77
4216420	5002	STORET_21FLMANA_FC1	2008-07-15 00:00:00	0.77
4216429	5002	STORET_21FLMANA_FC1	2009-08-19 00:00:00	1.01
4216430	5002	STORET_21FLMANA_FC1	2009-09-29 00:00:00	0.89
4215952	5002	STORET_21FLMANA_FC1	2010-05-11 00:00:00	2.72
4215953	5002	STORET_21FLMANA_FC1	2010-06-29 00:00:00	0.87
4215954	5002	STORET_21FLMANA_FC1	2010-07-20 00:00:00	0.77
4215955	5002	STORET_21FLMANA_FC1	2010-08-17 00:00:00	0.83
4215960	5002	STORET_21FLMANA_FC1	2011-01-19 00:00:00	1.07
4215965	5002	STORET_21FLMANA_FC1	2011-06-22 00:00:00	0.84
4215967	5002	STORET_21FLMANA_FC1	2011-08-10 00:00:00	0.98
4215975	5002	STORET_21FLMANA_FC1	2012-04-17 00:00:00	1.22
4215976	5002	STORET_21FLMANA_FC1	2012-06-12 00:00:00	1.06
4216046	5002	STORET_21FLMANA_FC1	2013-02-13 00:00:00	1.29
4216063	5002	STORET_21FLMANA_FC1	2014-07-15 00:00:00	0.88
4216065	5002	STORET_21FLMANA_FC1	2014-09-09 00:00:00	0.81
4216075	5002	STORET_21FLMANA_FC1	2015-07-01 00:00:00	0.79
4216076	5002	STORET_21FLMANA_FC1	2015-08-04 00:00:00	1.00
4216248	5002	STORET_21FLMANA_FC1	2017-07-27 00:00:00	0.85
4216250	5002	STORET_21FLMANA_FC1	2017-09-27 00:00:00	0.98
4224986	5002	STORET_21FLPDEM_E1 11-01	2002-11-13 00:00:00	0.86
4225240	5002	STORET_21FLPDEM_E1-A-08-01	2008-02-19 00:00:00	0.82
4225910	5002	STORET_21FLPDEM_E1-C-07-04	2007-05-15 00:00:00	1.10
4229322	5002	STORET_21FLPDEM_E3-D-08-01	2008-02-05 00:00:00	0.80
4231303	5002	STORET_21FLPDEM_E5-B-10-02	2010-03-22 00:00:00	0.94
4234101	5002	STORET_21FLPDEM_E6-C-05-05	2005-06-29 00:00:00	0.76
4247983	5002	STORET_21FLPDEM_W4-A-11-06	2011-09-08 00:00:00	0.77
4250233	5002	STORET_21FLPDEM_W5-C-06-03	2006-03-27 00:00:00	0.83
4251765	5002	STORET_21FLPDEM_W6-A-06-06	2006-08-02 00:00:00	0.95
4259687	5002	STORET_21FLPNS_300743908411593	2006-03-30 00:00:00	3.50

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4264671	5002	STORET_21FLSARA_LB-3-12	2006-12-05 00:00:00	0.83
4237628	5002	STORET_21FLSFWM_HR1	2004-09-20 00:00:00	1.04
4273324	5002	STORET_21FLSJWM_CCC	1999-06-14 00:00:00	0.96
4275827	5002	STORET_21FLSJWM_GAR	1999-06-14 00:00:00	1.16
4275690	5002	STORET_21FLSJWM_GAR	2010-09-22 00:00:00	1.02
4235236	5002	STORET_21FLSJWM_JXTR17	1999-06-14 00:00:00	1.18
4236812	5002	STORET_21FLSJWM_JXTR21	1999-06-21 00:00:00	1.13
4239053	5002	STORET_21FLSJWM_MAT	2005-09-14 00:00:00	0.86
4242904	5002	STORET_21FLSJWM_MRT	1999-06-21 00:00:00	0.78
4251283	5002	STORET_21FLSJWM_SMITHCR	1998-12-14 00:00:00	0.89
4251289	5002	STORET_21FLSJWM_SMITHCR	1999-06-14 00:00:00	1.23
4254579	5002	STORET_21FLSJWM_STOKESCR	1999-06-14 00:00:00	1.13
4257505	5002	STORET_21FLSJWM_TOL	1999-06-14 00:00:00	1.24
4271077	5002	STORET_21FLTPA_2821288240456	2005-04-05 00:00:00	1.50
4294175	5002	STORET_21FLWQSP_TC3	2011-09-27 00:00:00	0.84
5350244	5002	WIN_21FLHILL_66	2020-12-07 11:40:00	16.26
5394677	5002	WIN_21FLHILL_66	2021-02-09 13:03:00	1.15
5350984	5002	WIN_21FLJXWQ_TIM11	2022-02-08 13:45:00	0.89
5448157	5002	WIN_21FLMANA_FC1	2018-06-05 10:49:00	0.80
5448160	5002	WIN_21FLMANA_FC1	2018-09-05 10:55:00	0.93
5448163	5002	WIN_21FLMANA_FC1	2019-01-14 11:43:00	0.81
5448170	5002	WIN_21FLMANA_FC1	2019-08-05 11:07:00	0.77
5352394	5002	WIN_21FLMANA_FC1	2020-08-26 11:33:00	0.83
5447791	5002	WIN_21FLSJWM_442663	2021-08-25 10:55:00	1.14
5435483	5002	WIN_21FLTPA_G1SW0120	2022-09-12 12:20:00	0.77
5440055	5014	WIN_21FLGTM_GTMGL1NUT	2021-06-07 12:13:00	0.93
5344027	5014	WIN_21FLGTM_GTMLSNT	2023-02-02 08:55:00	0.93

**Programs containing flagged data:**

103 - EPA STOrage and RETrieval Data Warehouse (STORET)  
355 - Apalachicola National Estuarine Research Reserve System-Wide Monitoring Program  
479 - Southwest Florida Water Management District - Water Quality Monitoring  
513 - Coastal Charlotte Harbor Monitoring Network  
5002 - Florida STORET / WIN  
5014 - Guana River and Guana Lake Water Quality Monitoring

## Total Suspended Solids, TSS

Table 31: Flagged Values - High Indicator Quantile: **186**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4740200	103	11NPSWRD_WQX-CANA_NPS_4	1992-11-16 00:00:00	240
4607727	103	11NPSWRD_WQX-TIMU_BESD_FG6A	1988-08-09 00:00:00	287
4610567	103	21FLPDEM_WQX-W6-A-21-03	2021-05-10 00:00:00	930
2016074	513	STORET_CHNEPCHW-78	2004-07-13 00:00:00	212
2016213	513	STORET_CHNEPLLB-520	2004-06-24 00:00:00	277
5590599	513	WIN_CHNEPMP_268_226	2022-04-28 10:17:00	525
5038632	4054	WIN_21FLWQA_GTMPCNUT	2015-06-29 19:30:00	460
5038653	4054	WIN_21FLWQA_GTMPCNUT	2015-06-29 22:00:00	232
5038493	4054	WIN_21FLWQA_GTMPCNUT	2015-06-30 10:30:00	254
5219684	4054	WIN_21FLWQA_GTMPCNUT	2015-08-10 19:30:00	360
5219712	4054	WIN_21FLWQA_GTMPCNUT	2015-08-10 22:00:00	428
5219688	4054	WIN_21FLWQA_GTMPCNUT	2015-09-07 19:30:00	216
4000418	5002	STORET_21FLDADE_BB05A	2010-12-06 00:00:00	188
4000413	5002	STORET_21FLDADE_BB05A	2016-06-06 00:00:00	284
4000454	5002	STORET_21FLDADE_BB09	2016-06-06 00:00:00	267
4000479	5002	STORET_21FLDADE_BB11	2016-06-06 00:00:00	288
4000503	5002	STORET_21FLDADE_BB14	2015-06-01 00:00:00	188
4000506	5002	STORET_21FLDADE_BB14	2016-06-06 00:00:00	266
4000528	5002	STORET_21FLDADE_BB17	2015-06-02 00:00:00	244
4000531	5002	STORET_21FLDADE_BB17	2016-06-07 00:00:00	194
4000704	5002	STORET_21FLDADE_BB22	2015-06-02 00:00:00	290
4000707	5002	STORET_21FLDADE_BB22	2016-06-07 00:00:00	278
4000732	5002	STORET_21FLDADE_BB24	2016-06-07 00:00:00	320
4003406	5002	STORET_21FLDADE_BB47	2007-06-06 00:00:00	201
4003438	5002	STORET_21FLDADE_BB47	2015-09-16 00:00:00	211
4003671	5002	STORET_21FLDADE_CD01A	2015-06-04 00:00:00	189
4003738	5002	STORET_21FLDADE_LR01	2016-06-06 00:00:00	295
4003762	5002	STORET_21FLDADE_MR01	2015-06-02 00:00:00	196
4003765	5002	STORET_21FLDADE_MR01	2016-06-07 00:00:00	259
3996588	5002	STORET_21FLEECO_EB-04	2006-01-17 00:00:00	193
3996624	5002	STORET_21FLEECO_EB-04	2009-01-20 00:00:00	239
3999263	5002	STORET_21FLGW_7437	2000-06-07 00:00:00	350
4002178	5002	STORET_21FLMANA_361	2006-07-25 00:00:00	298
4009366	5002	STORET_21FLMANA_400	2006-07-25 00:00:00	244
4009451	5002	STORET_21FLMANA_408	2006-07-25 00:00:00	272
4010098	5002	STORET_21FLMANA_425	2006-07-25 00:00:00	312
4020375	5002	STORET_21FLPNS_294420008459335	2007-10-30 00:00:00	863
4020384	5002	STORET_21FLPNS_294507108500387	2007-10-30 00:00:00	904
4020396	5002	STORET_21FLPNS_294607808502290	2007-06-05 00:00:00	794
4020397	5002	STORET_21FLPNS_294607808502290	2007-07-17 00:00:00	849
4020482	5002	STORET_21FLPNS_294607808502290	2007-10-31 00:00:00	816
4020490	5002	STORET_21FLPNS_294653208502492	2007-10-16 00:00:00	232
4020501	5002	STORET_21FLPNS_294723608502575	2007-10-24 00:00:00	732
4020503	5002	STORET_21FLPNS_294723608502575	2007-10-30 00:00:00	910
4020510	5002	STORET_21FLPNS_294747008503098	2007-01-31 00:00:00	244
4020506	5002	STORET_21FLPNS_294747008503098	2007-06-20 00:00:00	619
4020508	5002	STORET_21FLPNS_294747008503098	2007-10-24 00:00:00	284
4020512	5002	STORET_21FLPNS_294811008503068	2007-01-31 00:00:00	251

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4020601	5002	STORET_21FLPNS_294828708503058	2007-01-31 00:00:00	237
4020604	5002	STORET_21FLPNS_294834108503266	2007-01-31 00:00:00	257
4020603	5002	STORET_21FLPNS_294834108503266	2007-10-30 00:00:00	914
4020862	5002	STORET_21FLPNS_300546728411373	2006-03-02 00:00:00	10200
4020917	5002	STORET_21FLPNS_300546728411373	2006-11-01 00:00:00	20400
4020918	5002	STORET_21FLPNS_300546728411373	2006-11-29 00:00:00	6980
4020921	5002	STORET_21FLPNS_300743908411593	2006-03-02 00:00:00	406
4020928	5002	STORET_21FLPNS_300743908411593	2006-11-01 00:00:00	5480
4020931	5002	STORET_21FLPNS_300743908411593	2006-11-29 00:00:00	24800
4032851	5002	STORET_21FLSJWM_GAR	2009-04-15 00:00:00	201
4020170	5002	STORET_21FLSJWM_MAT	1999-06-21 00:00:00	199
4020288	5002	STORET_21FLSJWM_MAT	1999-08-09 00:00:00	206
5622825	5002	WIN_21FLPDEM_W6-A-21-03	2021-05-10 12:45:00	930
5450738	5033	WIN_21FLCRCP_BAK020	2017-10-24 11:50:00	251
5450737	5033	WIN_21FLCRCP_BAK020	2017-10-24 11:55:00	361
5450740	5033	WIN_21FLCRCP_BAK021	2017-10-24 12:05:00	434
5450742	5033	WIN_21FLCRCP_BAK022	2017-10-24 11:25:00	225
5450745	5033	WIN_21FLCRCP_BAK023	2017-10-24 11:35:00	228
5356135	5033	WIN_21FLCRCP_HIL052	2017-12-12 09:10:00	260

**Programs containing flagged data:**

*103* - EPA STORage and RETrieval Data Warehouse (STORET)

*513* - Coastal Charlotte Harbor Monitoring Network

~~*4054*~~ - Guana Tolomato Matanzas National Estuarine Research Reserve System-Wide Monitoring Program

*5002* - Florida STORET / WIN

*5033* - Southeast Florida Water Quality Assessment Survey

## Turbidity

Table 32: Flagged Values - High Indicator Quantile: **128**

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
443751	95	18583	2013-07-16 00:00:00	2127.90
4766663	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-02-23 00:00:00	307.00
4767142	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-03-20 00:00:00	129.00
4637729	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-03-23 00:00:00	383.00
4767371	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-03-26 00:00:00	663.00
4767389	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-03-27 00:00:00	170.00
4638042	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-04-02 00:00:00	346.00
4767566	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-04-02 00:00:00	168.00
4638118	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-04-06 00:00:00	242.00
4638152	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-04-06 00:00:00	498.00
4638234	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-04-10 00:00:00	180.00
4638235	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-04-10 00:00:00	203.00
4767922	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-04-14 00:00:00	135.00
4767923	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-04-14 00:00:00	170.00
4767987	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-04-16 00:00:00	135.00
4638462	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-04-18 00:00:00	240.00
4638744	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-05-31 00:00:00	605.00
4768343	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-05-31 00:00:00	170.00
4768374	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-06-01 00:00:00	187.00
4638798	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-06-02 00:00:00	272.00
4638799	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-06-02 00:00:00	277.00
4768405	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-06-02 00:00:00	150.00
4768417	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-06-02 00:00:00	216.00
4768430	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-06-02 00:00:00	627.00
4638840	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-06-03 00:00:00	241.00
4768450	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-06-03 00:00:00	168.00
4768456	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-06-03 00:00:00	179.00
4638884	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-06-04 00:00:00	163.00
4768490	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-06-04 00:00:00	169.00
4638971	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-06-06 00:00:00	789.00
4768572	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-06-06 00:00:00	146.00
4639442	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-06 00:00:00	288.00
4769057	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-06 00:00:00	144.00
4639446	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-07 00:00:00	150.00
4639655	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-13 00:00:00	709.00
4639656	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-13 00:00:00	714.00
4769290	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-13 00:00:00	232.00
4639732	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-16 00:00:00	132.00
4639734	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-16 00:00:00	157.00
4639948	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-26 00:00:00	163.00
4639949	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-26 00:00:00	170.00
4769678	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-27 00:00:00	143.00
4769679	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-27 00:00:00	157.00
4769680	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-27 00:00:00	158.00
4769681	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-27 00:00:00	175.00
4769682	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-27 00:00:00	196.00
4769683	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-27 00:00:00	201.00
4769735	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-28 00:00:00	224.00

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4769768	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-28 00:00:00	739.00
4640075	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-29 00:00:00	130.00
4640076	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-29 00:00:00	134.00
4640077	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-29 00:00:00	146.00
4640078	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-29 00:00:00	172.00
4640079	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-29 00:00:00	181.00
4640080	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-29 00:00:00	234.00
4640081	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-29 00:00:00	293.00
4769790	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-29 00:00:00	493.00
4769811	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-30 00:00:00	130.00
4769812	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-30 00:00:00	163.00
4769813	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-30 00:00:00	172.00
4769814	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-30 00:00:00	247.00
4769865	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-31 00:00:00	131.00
4769866	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-31 00:00:00	132.00
4769867	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-31 00:00:00	136.00
4769868	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-31 00:00:00	143.00
4769869	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-31 00:00:00	149.00
4769870	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-10-31 00:00:00	175.00
4769952	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-02 00:00:00	143.00
4769953	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-02 00:00:00	149.00
4640364	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-05 00:00:00	143.00
4640365	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-05 00:00:00	153.00
4640366	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-05 00:00:00	157.00
4640367	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-05 00:00:00	170.00
4770109	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-06 00:00:00	152.00
4770150	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-07 00:00:00	129.00
4770151	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-07 00:00:00	137.00
4770152	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-07 00:00:00	167.00
4640472	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-08 00:00:00	214.00
4770205	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-08 00:00:00	191.00
4640521	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-09 00:00:00	156.00
4770286	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-10 00:00:00	142.00
4770287	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-10 00:00:00	166.00
4770330	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-11 00:00:00	136.00
4641016	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-24 00:00:00	163.00
4641021	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-24 00:00:00	176.00
4770770	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-24 00:00:00	184.00
4770773	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-24 00:00:00	194.00
4770782	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-24 00:00:00	278.00
4770805	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-11-25 00:00:00	308.00
4641213	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-02 00:00:00	134.00
4771020	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-02 00:00:00	272.00
4641266	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-03 00:00:00	130.00
4641281	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-03 00:00:00	249.00
4641285	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-03 00:00:00	276.00
4641294	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-03 00:00:00	794.00
4771032	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-03 00:00:00	145.00
4771059	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-03 00:00:00	189.00
4641365	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-06 00:00:00	162.00
4641386	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-06 00:00:00	236.00
4641389	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-06 00:00:00	304.00



RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4641391	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-06 00:00:00	333.00
4641392	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-06 00:00:00	350.00
4771151	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-06 00:00:00	149.00
4771156	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-06 00:00:00	159.00
4771165	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-06 00:00:00	480.00
4641412	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-07 00:00:00	181.00
4641415	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-07 00:00:00	196.00
4641419	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-07 00:00:00	200.00
4771176	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-07 00:00:00	137.00
4771209	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-07 00:00:00	654.00
4641427	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-08 00:00:00	145.00
4641428	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-08 00:00:00	149.00
4771220	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-08 00:00:00	135.00
4771236	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-08 00:00:00	233.00
4771238	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-08 00:00:00	256.00
4641545	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-11 00:00:00	144.00
4771333	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-11 00:00:00	163.00
4771351	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-11 00:00:00	208.00
4641576	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-12 00:00:00	148.00
4641579	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-12 00:00:00	159.00
4641605	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-12 00:00:00	683.00
4771362	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-12 00:00:00	161.00
4771374	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-12 00:00:00	186.00
4771381	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-12 00:00:00	193.00
4771390	103	11NPSWRD_WQX-TIMU_BRD_CPK	1997-12-12 00:00:00	212.00
4771415	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-01-19 00:00:00	386.00
4641627	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-01-20 00:00:00	220.00
4641647	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-01-21 00:00:00	343.00
4771484	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-01-22 00:00:00	185.00
4771487	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-01-22 00:00:00	251.00
4771518	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-01-23 00:00:00	276.00
4733303	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-01-26 00:00:00	696.00
4733394	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-01-29 00:00:00	145.00
4733402	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-01-29 00:00:00	160.00
4600001	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-01-29 00:00:00	484.00
4733424	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-01-30 00:00:00	142.00
4733425	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-01-30 00:00:00	143.00
4733431	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-01-30 00:00:00	177.00
4733435	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-01-30 00:00:00	185.00
4600018	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-01-30 00:00:00	253.00
4733464	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-01-31 00:00:00	150.00
4600049	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-01-31 00:00:00	204.00
4600050	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-01-31 00:00:00	208.00
4600051	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-01-31 00:00:00	224.00
4733481	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-01 00:00:00	245.00
4733526	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-06 00:00:00	288.00
4733554	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-07 00:00:00	607.00
4600180	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-07 00:00:00	180.00
4600187	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-07 00:00:00	492.00
4600299	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-12 00:00:00	181.00
4600307	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-12 00:00:00	297.00
4600314	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-12 00:00:00	382.00

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4733727	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-13 00:00:00	292.00
4733761	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-14 00:00:00	205.00
4600378	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-14 00:00:00	144.00
4733792	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-15 00:00:00	153.00
4733796	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-15 00:00:00	160.00
4733797	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-15 00:00:00	162.00
4733798	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-15 00:00:00	165.00
4733806	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-15 00:00:00	186.00
4733840	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-16 00:00:00	431.00
4733964	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-18 00:00:00	210.00
4733966	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-18 00:00:00	226.00
4600567	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-18 00:00:00	144.00
4600571	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-18 00:00:00	160.00
4600572	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-18 00:00:00	163.00
4600573	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-18 00:00:00	165.00
4734008	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-19 00:00:00	157.00
4734020	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-19 00:00:00	280.00
4734065	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-21 00:00:00	154.00
4600722	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-22 00:00:00	143.00
4600806	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-24 00:00:00	167.00
4600822	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-24 00:00:00	228.00
4600849	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-25 00:00:00	152.00
4734283	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-26 00:00:00	269.00
4600877	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-26 00:00:00	129.00
4734292	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-27 00:00:00	134.00
4600930	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-27 00:00:00	421.00
4734325	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-28 00:00:00	129.00
4734347	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-28 00:00:00	179.00
4600957	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-28 00:00:00	298.00
4600969	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-02-28 00:00:00	644.00
4600987	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-03-01 00:00:00	197.00
4601023	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-03-02 00:00:00	165.00
4734446	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-03-03 00:00:00	134.00
4734452	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-03-03 00:00:00	155.00
4601062	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-03-03 00:00:00	259.00
4601156	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-03-04 00:00:00	144.00
4734571	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-03-06 00:00:00	178.00
4734844	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-03-11 00:00:00	135.00
4734847	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-03-11 00:00:00	302.00
4734914	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-03-11 00:00:00	418.00
4734923	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-03-11 00:00:00	551.00
4734933	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-03-11 00:00:00	853.00
4601479	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-03-11 00:00:00	142.00
4601499	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-03-11 00:00:00	194.00
4601502	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-03-11 00:00:00	223.00
4601563	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-03-11 00:00:00	310.00
4734950	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-03-12 00:00:00	273.00
4734951	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-03-12 00:00:00	292.00
4734957	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-03-12 00:00:00	329.00
4734961	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-03-12 00:00:00	537.00
4601701	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-03-16 00:00:00	145.00
4601934	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-04-27 00:00:00	221.00

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
4735340	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-04-29 00:00:00	179.00
4602144	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-06-09 00:00:00	142.00
4602184	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-06-11 00:00:00	136.00
4735560	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-06-12 00:00:00	151.00
4735569	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-06-12 00:00:00	228.00
4602211	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-06-12 00:00:00	239.00
4602215	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-06-12 00:00:00	329.00
4602374	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-06-18 00:00:00	139.00
4736418	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-06-22 00:00:00	186.00
4603176	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-06-22 00:00:00	138.00
4603179	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-06-22 00:00:00	142.00
4603180	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-06-22 00:00:00	143.00
4736557	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-06-28 00:00:00	166.00
4736610	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-06-30 00:00:00	191.00
4603338	103	11NPSWRD_WQX-TIMU_BRD_CPK	1998-06-30 00:00:00	234.00
4739151	103	21FLSCCF_WQX-NWR09	2021-02-17 00:00:00	138.69
4787744	303	WIN_21FLSCCF_DZPIS03	2019-08-21 09:15:00	142.45
4787745	303	WIN_21FLSCCF_DZPIS03	2019-09-18 09:43:00	558.85
4658585	303	WIN_21FLSCCF_NWR01	2019-06-05 08:53:00	143.21
4658593	303	WIN_21FLSCCF_NWR01	2020-02-24 09:34:00	163.39
4787138	303	WIN_21FLSCCF_NWR01	2020-11-17 09:46:00	353.31
4787145	303	WIN_21FLSCCF_NWR02	2019-06-05 08:38:00	433.09
4914107	303	WIN_21FLSCCF_NWR02	2019-11-20 12:06:00	379.22
4787218	303	WIN_21FLSCCF_NWR02	2020-09-10 10:45:00	847.26
4658675	303	WIN_21FLSCCF_NWR03	2019-10-23 08:30:00	185.33
4658878	303	WIN_21FLSCCF_NWR09	2020-09-10 09:35:00	331.88
4658883	303	WIN_21FLSCCF_NWR09	2021-02-17 10:15:00	138.69
4787438	303	WIN_21FLSCCF_NWR10	2019-06-05 10:10:00	292.84
4787439	303	WIN_21FLSCCF_NWR10	2019-07-15 10:47:00	152.92
4787440	303	WIN_21FLSCCF_NWR10	2019-08-21 10:07:00	190.70
4787441	303	WIN_21FLSCCF_NWR10	2019-10-23 10:09:00	181.17
4658936	303	WIN_21FLSCCF_NWR10	2020-02-24 11:14:00	634.29
4787477	303	WIN_21FLSCCF_NWR10	2020-11-17 11:17:00	614.58
4787484	303	WIN_21FLSCCF_SCAL_SPAT03	2019-10-23 11:15:00	166.22
4658956	303	WIN_21FLSCCF_SCAL_SPAT06	2019-11-20 11:17:00	204.12
4659010	303	WIN_21FLSCCF_SCAL_SPAT06	2020-02-24 12:35:00	152.46
4787568	303	WIN_21FLSCCF_SCAL_SPAT09	2019-06-05 13:27:00	327.57
4787571	303	WIN_21FLSCCF_SCAL_SPAT09	2019-09-18 12:40:00	264.88
4787576	303	WIN_21FLSCCF_SCAL_SPAT09	2020-02-24 13:08:00	182.99
3767005	354	rkblhnut	2004-08-30 08:30:00	192.00
3767184	354	rkblhnut	2004-08-30 11:00:00	197.00
3767196	354	rkblhnut	2004-08-30 13:30:00	202.00
3767208	354	rkblhnut	2004-08-30 16:00:00	207.00
3767220	354	rkblhnut	2004-08-30 18:30:00	212.00
3767383	354	rkblhnut	2004-08-30 21:00:00	217.00
3767395	354	rkblhnut	2004-08-30 23:30:00	222.00
3767407	354	rkblhnut	2004-08-31 02:00:00	227.00
3767416	354	rkblhnut	2004-08-31 04:30:00	232.00
3767565	354	rkblhnut	2004-08-31 07:00:00	237.00
3765587	354	rkblhnut	2005-10-16 08:30:00	294.80
3765809	354	rkblhnut	2005-10-16 16:00:00	358.10
3766862	354	rkblhnut	2005-10-16 21:00:00	197.60

RowID	ProgramID	ProgramLocationID	SampleDate	ResultValue
3766868	354	rkblhnut	2005-10-16 23:30:00	371.50
4457849	4058	56	2017-04-18 12:45:00	478.00
3726520	5002	STORET_21FLCOLL_LKMRCOSH	1995-04-13 00:00:00	154.00
3846566	5002	STORET_21FLSEAS_16SEAS360	2010-01-26 00:00:00	164.00
3889411	5002	STORET_21FLSEAS_30SEAS190	2017-10-17 00:00:00	129.10
3890987	5002	STORET_21FLSEAS_30SEAS200	2017-05-01 00:00:00	131.40
4006533	5002	STORET_21FLWQA_300751208544378	2005-04-27 00:00:00	830.00
5311685	5002	WIN_21FLMWK_KBBC	2022-01-04 13:20:00	409.06
5311692	5002	WIN_21FLMWK_KBBC	2022-02-23 15:15:00	168.52
5311695	5002	WIN_21FLMWK_KBBC	2022-03-14 09:20:00	221.71
5416423	5002	WIN_21FLMWK_KBBC	2022-06-16 15:38:00	266.71
5416428	5002	WIN_21FLMWK_KBBC	2022-07-18 11:06:00	132.92
5416435	5002	WIN_21FLMWK_KBBC	2022-08-29 12:30:00	174.50
5311703	5002	WIN_21FLMWK_KBBC	2022-11-07 14:25:00	259.45
5311709	5002	WIN_21FLMWK_KBBC	2022-12-19 11:17:00	176.67
5311627	5002	WIN_21FLMWK_KP	2022-05-12 11:05:00	203.80
5311430	5002	WIN_21FLMWK_SSB	2022-02-07 15:44:00	265.88
5311432	5002	WIN_21FLMWK_SSB	2022-02-23 15:46:00	1121.60
5311435	5002	WIN_21FLMWK_SSB	2022-03-14 09:45:00	239.08
5311438	5002	WIN_21FLMWK_SSB	2022-04-04 14:03:00	224.97
5311439	5002	WIN_21FLMWK_SSB	2022-04-11 11:49:00	133.57
5311445	5002	WIN_21FLMWK_SSB	2022-05-23 09:55:00	157.69
5311455	5002	WIN_21FLMWK_SSB	2022-07-18 11:23:00	132.10
5311458	5002	WIN_21FLMWK_SSB	2022-08-08 13:23:00	167.42
5311470	5002	WIN_21FLMWK_SSB	2022-11-07 14:46:00	359.67
5311472	5002	WIN_21FLMWK_SSB	2022-11-21 12:05:00	140.27
5311476	5002	WIN_21FLMWK_SSB	2022-12-19 11:30:00	574.35
279452	5026	WQ01	2019-09-10 00:00:00	495.76

**Programs containing flagged data:**

*95* - Harmful Algal Bloom Marine Observation Network  
*103* - EPA STORage and RETrieval Data Warehouse (STORET)  
*303* - River, Estuary and Coastal Observing Network  
*354* - Rookery Bay National Estuarine Research Reserve System-Wide Monitoring Program  
*4058* - City of Miami Beach Water Monitoring  
*5002* - Florida STORET / WIN  
*5026* - North Biscayne Bay Seagrass Loss Water Quality Program